Mode1

Bruchbemessung Stäbe

Norm

EuroNorm: OEN EN 1992-1-1:2004 (NA:2011) Stahlbeton- und Spannbetontragwerke (Austria) V 2024

Materialien

Mat	Materialbezeichnung
1	C 30/37 N (EN 1992) Beton C30/37
2	B 550 B (EN 1992) Bewehrung B550

Gewählte Stabelemente

Selekt	ion	NrA	NrE	x[m]	Тур
STAB		alle	Elemente		
NrA,NrE	Bere:	ich der Ele	mentnummern		
x[m]	x-Wei	rt des Stab	schnitts ode	r Station	
Тур	Eleme	enttyp			

Zweiachsige Biegung, Randspannungen im y-z System Schlaffe Bewehrung wird bei Querschnitten so wie in AQUA berücksichtigt Speicherung der Bewehrung als Bemessungsfall 1

Untersuchte Lastfälle

	LF	ACT	REF	BA	Bezeichnung	
21	.21	(D)			MAX-N STAB	
21	.22	(D)			MIN-N STAB	
21	.25	(D)			MAX-VZ STAB	
21	.26	(D)			MIN-VZ STAB	
21	.29	(D)			MAX-MY STAB	
21	.30	(D)			MIN-MY STAB	
LF	Las	tfall	REF	Referenzpunl	kt der Schnittgrößen	
ACT	Ein	wirkung	BA	Querschnitt	auf den die Schnittgrößen wirken	

		ren Querschil								
Stab	x[m]	Querschnitt	A[m2]	yc[m]	zc[m]	Iyz[m4]	Iy[m4]	Iz[m4]		zcr[m]
				i[o/oo]	i[o/oo]				n[o/oo]	n[o/oo]
1001	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1002	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1003	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1004	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1005	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1006	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1007	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1008	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1009	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1010	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1011	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1012	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1013	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
Ī	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1014	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
Ţ	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1015	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
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Model Bruchbemessung Stäbe

Schnitte	und der	en Querschni	ittswerte						4	
Stab		Querschnitt	A[m2]	yc[m]	zc[m]	Iyz[m4]	Iy[m4]	Iz[m4]	ycr[m]	zcr[m]
					i[o/oo]		, , ,			
1015	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1016	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1017	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1018	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1010	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1019	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1015	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1020	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1020	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1021	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1021	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1022	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1022	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1023	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1023	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1024	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1024	1.003		2.031E+00 2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1025	0.000		2.031E+00		0.000		6.980E-01			0.000
1025	1.003		2.031E+00 2.031E+00	0.000	0.000	0.00E+00		1.692E-01	0.000	0.000
1026	0.000		2.031E+00 2.031E+00	0.000	0.000	0.00E+00 0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1026				0.000	0.000	0.00E+00	6.980E-01	1.692E-01		0.000
1027	1.003		2.031E+00				6.980E-01	1.692E-01	0.000	
1027	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1020	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1028	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1020	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1029	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1020	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1030	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1021	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1031	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1022	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1032	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01		0.000
1022	1.003		2.031E+00			0.00E+00	6.980E-01	1.692E-01	0.000	
1033	0.000 1.003		2.031E+00 2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1034				0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1034	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01 1.692E-01	0.000	0.000
1025	1.003		2.031E+00			0.00E+00	6.980E-01			
1035	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1026	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	
1036	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1027	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1037	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1020	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1038	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
4020	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1039	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1010	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1040	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
40	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1041	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1042	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1043	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1	1.003	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000

Model Bruchbemessung Stäbe

Schnitte	und der	ren Querschni	ittswerte							
Stab	x[m]	Querschnitt	A[m2]	yc[m]	zc[m]	Iyz[m4]	Iy[m4]	Iz[m4]	ycr[m]	zcr[m]
0.00.0		· ·			i[0/00]					
1044	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1011	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1045	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1043	0.997			0.000	0.000				0.000	0.000
1046			2.031E+00			0.00E+00	6.980E-01	1.692E-01		
1046	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1017	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1047	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1040	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1048	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1010	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1049	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1050	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1050	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1051	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1052	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1053	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1054	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1055	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1056	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1057	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1058	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1059	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1060	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1061	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1062	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1063	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.025		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1064	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.025		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1065	0.000	1	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.025		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1066	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.025		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1067	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1068	0.000	_	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1069	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1070	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
10,0	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1071	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
10/1	0.997		2.031E+00 2.031E+00	0.000	0.000			1.692E-01	0.000	0.000
1072				0.000	0.000	0.00E+00	6.980E-01		0.000	0.000
10/7	0.000	4	2.031E+00	טטט.ט	טטט.ט	0.00E+00	6.980E-01	1.692E-01	טטט.ט	9.000

Model Bruchbemessung Stäbe

Schnitte	und der	ren Querschni	ittswerte							
Stab		Querschnitt	A[m2]	yc[m]	zc[m]	Iyz[m4]	Iy[m4]	Iz[m4]	ycr[m]	zcr[m]
				i[0/00]			, ,			
1072	0.997	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1073	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1074	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1075	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
10,5	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1076	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
10,0	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1077	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
10,,	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1078	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1070	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1079	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
10/9	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1080	0.000			0.000	0.000			1.692E-01	0.000	0.000
1000	0.997		2.031E+00 2.031E+00	0.000	0.000	0.00E+00 0.00E+00	6.980E-01 6.980E-01	1.692E-01	0.000	0.000
1081	0.000			0.000	0.000		6.980E-01			0.000
1091	0.997		2.031E+00			0.00E+00		1.692E-01	0.000	
1002			2.031E+00 2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1082	0.000			0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1002	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1083	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1004	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1084	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1005	0.997		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1085	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1086	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1007	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1087	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1088	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1089	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	1.003		2.031E+00			0.00E+00	6.980E-01	1.692E-01	0.000	
1090	0.000		2.031E+00 2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1091	0.000			0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1031			2.031E+00			0.00E+00	6.980E-01	1.692E-01	0.000	
1092	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01 1.692E-01	0.000	0.000
1092			2.031E+00	0.000	0.000	0.00E+00	6.980E-01			0.000
1093	0.000		2.031E+00 2.031E+00	0.000	0.000	0.00E+00	6.980E-01 6.980E-01	1.692E-01	0.000	
1093	1.003		2.031E+00 2.031E+00	0.000	0.000	0.00E+00 0.00E+00	6.980E-01	1.692E-01 1.692E-01	0.000	0.000
1094				0.000	0.000				0.000	0.000
1094	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	
1005	1.003		2.031E+00			0.00E+00	6.980E-01	1.692E-01		0.000
1095	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1006	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1096	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1007	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1097	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1098	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1000	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1099	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
1100	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.000

Bruchbemessung Stäbe

Stab	x[m]	Querschnitt	A[m2]	yc[m]	zc[m]	Iyz[m4]	Iy[m4]	Iz[m4]	ycr[m]	zcr[
	[···]			i[0/00]		, []	, [·]		n[o/oo]	
1101	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1102	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1102	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.6
1103	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.6
1105	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.6
1104	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.6
1104	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.6
1105				0.000	0.000			1.692E-01	0.000	0.0
1102	0.000 1.003		2.031E+00 2.031E+00	0.000	0.000	0.00E+00 0.00E+00	6.980E-01 6.980E-01	1.692E-01	0.000	0.0
1106	0.000			0.000						0.0
1100			2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1107	1.003		2.031E+00			0.00E+00	6.980E-01	1.692E-01	0.000	
1107	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1100	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1108	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1100	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1109	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1111	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1110	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1111	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1112	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1113	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1114	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1115	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1116	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1117	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1118	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1119	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1120	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
Ī	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1121	0.000	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
İ	1.003	2	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
1122	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
İ	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1123	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1124	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1125	0.000	_	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1126	0.000		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
	1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
1127	0.000		2.031E+00 2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.
112/				0.000		0.00E+00				0.
1120	1.003		2.031E+00		0.000		6.980E-01	1.692E-01	0.000	
1128	0.000 1.003		2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0
		1/	2.031E+00	0.000	0.000	0.00E+00	6.980E-01	1.692E-01	0.000	0.0

Bruchbemessung Stäbe

i[o/oo] n[o/oo] Angesetzte Neigung der Druck- und Zuggurte für Querkraftanteil Neigung der Stabachse zur Referenzachse

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
	• 1				Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1001	0.000	1	2121	-46.8	0.00	-0.56	0.00	16.01	0.00
			2122	-501.0	0.00	-2.09	0.00	57.56	0.00
			2125	-296.8	0.00	0.35	0.00	-12.35	0.00
			2126	-251.0	0.00	-3.00	0.00	85.92	0.00
			2129	-251.0	0.00	-3.00	0.00	85.92	0.00
			2130	-296.8	0.00	0.35	0.00	-12.35	0.00
F	1.003	1	2121	-46.8	0.00	-0.56	0.00	15.44	0.00
		_	2122	-501.0	0.00	-2.09	0.00	55.46	0.00
l			2125	-296.8	0.00	0.35	0.00	-12.00	0.00
			2126	-251.0	0.00	-3.00	0.00	82.91	0.00
			2129	-251.0	0.00	-3.00	0.00	82.91	0.00
			2130	-296.8	0.00	0.35	0.00	-12.00	0.0
1002	0.000	1	2121	-46.8	0.00	-0.56	0.00	15.44	0.0
1002	0.000	_	2122	-501.0	0.00	-2.09	0.00	55.46	0.00
			2125	-296.8	0.00	0.35	0.00	-12.00	0.00
ŀ			2126	-251.0	0.00	-3.00	0.00	82.91	0.00
			2129	-251.0	0.00	-3.00	0.00	82.91	0.00
			2130	-296.8	0.00	0.35	0.00	-12.00	0.0
H	1.003	1				-0.56			
ŀ	1.003	1	2121	-46.8	0.00		0.00	14.88 53.36	0.0
			2122	-501.0	0.00	-2.09	0.00		0.0
			2125	-296.8	0.00	0.35	0.00	-11.65	0.0
			2126	-251.0	0.00	-3.00	0.00	79.89	0.0
ŀ			2129	-251.0	0.00	-3.00	0.00	79.89	0.0
4000			2130	-296.8	0.00	0.35	0.00	-11.65	0.0
1003	0.000	1	2121	-46.8	0.00	-0.56	0.00	14.88	0.0
			2122	-501.0	0.00	-2.09	0.00	53.36	0.0
			2125	-296.8	0.00	0.35	0.00	-11.65	0.0
l			2126	-251.0	0.00	-3.00	0.00	79.89	0.0
			2129	-251.0	0.00	-3.00	0.00	79.89	0.0
			2130	-296.8	0.00	0.35	0.00	-11.65	0.0
	1.003	1	2121	-46.8	0.00	-0.56	0.00	14.32	0.0
			2122	-501.0	0.00	-2.09	0.00	51.26	0.0
			2125	-296.8	0.00	0.35	0.00	-11.31	0.0
			2126	-251.0	0.00	-3.00	0.00	76.88	0.0
			2129	-251.0	0.00	-3.00	0.00	76.88	0.0
			2130	-296.8	0.00	0.35	0.00	-11.31	0.0
1004	0.000	1	2121	-46.8	0.00	-0.56	0.00	14.32	0.0
			2122	-501.0	0.00	-2.10	0.00	51.26	0.0
			2125	-296.8	0.00	0.35	0.00	-11.31	0.0
			2126	-251.0	0.00	-3.00	0.00	76.88	0.0
			2129	-251.0	0.00	-3.00	0.00	76.88	0.0
			2130	-296.8	0.00	0.35	0.00	-11.31	0.0
	1.003	1	2121	-46.8	0.00	-0.56	0.00	13.76	0.0
			2122	-501.0	0.00	-2.10	0.00	49.15	0.0
				206.0	0.00	0.35	0.00	-10.96	0.0
			2125	-296.8	0.00				
			2125 2126	-251.0	0.00	-3.00	0.00	73.87	0.0
						-3.00 -3.00	0.00 0.00	73.87 73.87	
			2126	-251.0	0.00				0.0
1005	0.000	1	2126 2129	-251.0 -251.0	0.00 0.00	-3.00	0.00	73.87	0.0 0.0
1005	0.000	1	2126 2129 2130	-251.0 -251.0 -296.8	0.00 0.00 0.00	-3.00 0.35	0.00 0.00	73.87 -10.96	0.0 0.0 0.0
1005	0.000	1	2126 2129 2130 2121	-251.0 -251.0 -296.8 -46.8 -501.0	0.00 0.00 0.00 0.00	-3.00 0.35 -0.56 -2.09	0.00 0.00 0.00 0.00	73.87 -10.96 13.76 49.15	0.0 0.0 0.0
1005	0.000	1	2126 2129 2130 2121 2122 2125	-251.0 -251.0 -296.8 -46.8 -501.0 -296.8	0.00 0.00 0.00 0.00	-3.00 0.35 -0.56 -2.09 0.35	0.00 0.00 0.00	73.87 -10.96 13.76 49.15 -10.96	0.00 0.00 0.00 0.00
1005	0.000	1	2126 2129 2130 2121 2122 2125 2126	-251.0 -251.0 -296.8 -46.8 -501.0 -296.8 -251.0	0.00 0.00 0.00 0.00 0.00 0.00	-3.00 0.35 -0.56 -2.09 0.35 -3.00	0.00 0.00 0.00 0.00 0.00	73.87 -10.96 13.76 49.15 -10.96 73.87	0.00 0.00 0.00 0.00 0.00 0.00
1005	0.000	1	2126 2129 2130 2121 2122 2125	-251.0 -251.0 -296.8 -46.8 -501.0 -296.8	0.00 0.00 0.00 0.00 0.00	-3.00 0.35 -0.56 -2.09 0.35	0.00 0.00 0.00 0.00 0.00	73.87 -10.96 13.76 49.15 -10.96	0.00 0.00 0.00 0.00

Model Bruchbemessung Stäbe

Stab	gs-Schni x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
Stab	X[III]	ŲΝΙ.	LF	N[KN]					
4005	4 000		2422	=	Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1005	1.003	1	2122	-501.0	0.00	-2.09	0.00	47.05	0.00
			2125	-296.8	0.00	0.35	0.00	-10.61	0.00
			2126	-251.0	0.00	-3.00	0.00	70.86	0.00
			2129	-251.0	0.00	-3.00	0.00	70.86	0.00
			2130	-296.8	0.00	0.35	0.00	-10.61	0.00
1006	0.000	1	2121	-46.8	0.00	-0.56	0.00	13.20	0.00
			2122	-501.0	0.00	-2.09	0.00	47.05	0.00
			2125	-296.8	0.00	0.35	0.00	-10.61	0.00
			2126	-251.0	0.00	-3.00	0.00	70.86	0.00
			2129	-251.0	0.00	-3.00	0.00	70.86	0.00
			2130	-296.8	0.00	0.35	0.00	-10.61	0.00
<u> </u>	1.003	1	2121	-46.8	0.00	-0.56	0.00	12.64	0.00
	1.005	_	2122	-501.0	0.00	-2.09	0.00	44.95	0.00
			2125						0.00
				-296.8	0.00	0.35	0.00	-10.26	
			2126	-251.0	0.00	-3.00	0.00	67.85	0.00
			2129	-251.0	0.00	-3.00	0.00	67.85	0.00
			2130	-296.8	0.00	0.35	0.00	-10.26	0.00
1007	0.000	1	2121	-46.8	0.00	-0.56	0.00	12.64	0.00
			2122	-501.0	0.00	-2.09	0.00	44.95	0.00
			2125	-296.8	0.00	0.35	0.00	-10.26	0.00
			2126	-251.0	0.00	-3.00	0.00	67.85	0.00
			2129	-251.0	0.00	-3.00	0.00	67.85	0.00
			2130	-296.8	0.00	0.35	0.00	-10.26	0.00
İ	1.003	1	2121	-46.8	0.00	-0.56	0.00	12.08	0.00
		_	2122	-501.0	0.00	-2.09	0.00	42.85	0.00
			2125	-296.8	0.00	0.35	0.00	-9.91	0.00
			2126	-251.0	0.00	-3.00	0.00	64.84	0.00
				2129	-251.0	0.00	-3.00	0.00	64.84
1000	0.000		2130	-296.8	0.00	0.35	0.00	-9.91	0.00
1008	0.000	1	2121	-46.8	0.00	-0.56	0.00	12.08	0.00
			2122	-501.0	0.00	-2.09	0.00	42.85	0.00
			2125	-296.8	0.00	0.35	0.00	-9.91	0.00
			2126	-251.0	0.00	-3.00	0.00	64.84	0.00
			2129	-251.0	0.00	-3.00	0.00	64.84	0.00
			2130	-296.8	0.00	0.35	0.00	-9.91	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	11.52	0.00
			2122	-501.0	0.00	-2.09	0.00	40.75	0.00
			2125	-296.8	0.00	0.35	0.00	-9.56	0.00
			2126	-251.0	0.00	-3.00	0.00	61.83	0.00
			2129	-251.0	0.00	-3.00	0.00	61.83	0.00
			2130	-296.8	0.00	0.35	0.00	-9.56	0.00
1009	0.000	1	2121	-46.8	0.00	-0.56	0.00	11.52	0.00
1005	0.000	_	2122	-501.0	0.00	-2.10	0.00	40.75	0.00
			2125	-296.8	0.00	0.35	0.00	-9.56	0.00
			$\overline{}$						
			2126	-251.0	0.00	-3.00	0.00	61.83	0.00
			2129	-251.0	0.00	-3.00	0.00	61.83	0.00
-			2130	-296.8	0.00	0.35	0.00	-9.56	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	10.96	0.00
			2122	-501.0	0.00	-2.10	0.00	38.65	0.00
			2125	-296.8	0.00	0.35	0.00	-9.21	0.00
			2126	-251.0	0.00	-3.00	0.00	58.82	0.00
			2129	-251.0	0.00	-3.00	0.00	58.82	0.00
			2130	-296.8	0.00	0.35	0.00	-9.21	0.0
1010	0.000	1		-46.8	0.00	-0.56	0.00	10.96	0.00
			2122	-501.0	0.00	-2.09	0.00	38.65	0.00
			2125	-296.8	0.00	0.35	0.00	-9.21	0.00
			2126	-251.0	0.00	-3.00	0.00	58.82	0.00
			2120	-231.0	0.00	-2.00	0.00	20.02	0.00

Model Bruchbemessung Stäbe

Stab	gs-Schni x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
Jeas	~[]	ę.u.			Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1010	0.000	1	2129	-251.0	0.00	-3.00	0.00	58.82	0.00
1010	0.000	_	2130	-296.8	0.00	0.35	0.00	-9.21	0.00
t	1.003	1	2121	-46.8	0.00	-0.56	0.00	10.40	0.00
	1.005	_	2122	-501.0	0.00	-2.09	0.00	36.55	0.00
			2125	-296.8	0.00	0.35	0.00	-8.86	0.00
			2126	-251.0	0.00	-3.00	0.00	55.81	0.00
			2129	-251.0	0.00	-3.00	0.00	55.81	0.00
			2130	-296.8	0.00	0.35	0.00	-8.86	0.00
1011	0.000	1	2121	-46.8	0.00	-0.56	0.00	10.40	0.00
1011	0.000	_	2122	-501.0	0.00	-2.09	0.00	36.55	0.00
			2125	-296.8	0.00	0.35	0.00	-8.86	0.00
			2126	-251.0	0.00	-3.00	0.00	55.81	0.00
			2129	-251.0	0.00	-3.00	0.00	55.81	0.00
			2130						
+	1.003	1		-296.8	0.00	0.35	0.00	-8.86 9.84	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00		0.00
			2122	-501.0	0.00	-2.09	0.00	34.45	0.00
			2125	-296.8	0.00	0.35	0.00	-8.52	0.00
			2126	-251.0	0.00	-3.00	0.00	52.80	0.00
			2129	-251.0	0.00	-3.00	0.00	52.80	0.00
4040	0.000		2130	-296.8	0.00	0.35	0.00	-8.52	0.00
1012	0.000	1	2121	-46.8	0.00	-0.56	0.00	9.84	0.00
			2122	-501.0	0.00	-2.09	0.00	34.45	0.00
			2125	-296.8	0.00	0.35	0.00	-8.52	0.00
			2126	-251.0	0.00	-3.00	0.00	52.80	0.00
			2129	-251.0	0.00	-3.00	0.00	52.80	0.00
-			2130	-296.8	0.00	0.35	0.00	-8.52	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	9.28	0.00
			2122	-501.0	0.00	-2.09	0.00	32.35	0.00
			2125	-296.8	0.00	0.35	0.00	-8.17	0.00
			2126	-251.0	0.00	-3.00	0.00	49.79	0.00
			2129	-251.0	0.00	-3.00	0.00	49.79	0.00
			2130	-296.8	0.00	0.35	0.00	-8.17	0.00
1013	0.000	1	2121	-46.8	0.00	-0.56	0.00	9.28	0.00
			2122	-501.0	0.00	-2.09	0.00	32.35	0.00
			2125	-296.8	0.00	0.35	0.00	-8.17	0.00
			2126	-251.0	0.00	-3.00	0.00	49.79	0.00
			2129	-251.0	0.00	-3.00	0.00	49.79	0.00
-			2130	-296.8	0.00	0.35	0.00	-8.17	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	8.71	0.00
			2122	-501.0	0.00	-2.09	0.00	30.24	0.00
			2125	-296.8	0.00	0.35	0.00	-7.82	0.00
			2126	-251.0	0.00	-3.00	0.00	46.78	0.00
			2129	-251.0	0.00	-3.00	0.00	46.78	0.00
			2130	-296.8	0.00	0.35	0.00	-7.82	0.00
1014	0.000	1	2121	-46.8	0.00	-0.56	0.00	8.71	0.00
			2122	-501.0	0.00	-2.10	0.00	30.24	0.00
			2125	-296.8	0.00	0.35	0.00	-7.82	0.00
			2126	-251.0	0.00	-3.00	0.00	46.78	0.00
			2129	-251.0	0.00	-3.00	0.00	46.78	0.00
			2130	-296.8	0.00	0.35	0.00	-7.82	0.0
	1.003	1	2121	-46.8	0.00	-0.56	0.00	8.15	0.0
			2122	-501.0	0.00	-2.10	0.00	28.14	0.0
			2125	-296.8	0.00	0.35	0.00	-7.47	0.0
			2126	-251.0	0.00	-3.00	0.00	43.77	0.0
			2129	-251.0	0.00	-3.00	0.00	43.77	0.00
			2130	-296.8	0.00	0.35	0.00	-7.47	0.00
1015	0.000	1	2121	-46.8	0.00	-0.56	0.00	8.15	0.00

Model Bruchbemessung Stäbe

	ngs-Schni								-
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1015	0.000	1	2122	-501.0	0.00	-2.09	0.00	28.14	0.00
			2125	-296.8	0.00	0.35	0.00	-7.47	0.00
			2126	-251.0	0.00	-3.00	0.00	43.77	0.00
			2129	-251.0	0.00	-3.00	0.00	43.77	0.00
			2130	-296.8	0.00	0.35	0.00	-7.47	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	7.59	0.00
			2122	-501.0	0.00	-2.09	0.00	26.04	0.00
			2125	-296.8	0.00	0.35	0.00	-7.12	0.00
			2126	-251.0	0.00	-3.00	0.00	40.76	0.00
			2129	-251.0	0.00	-3.00	0.00	40.76	0.00
			2130	-296.8	0.00	0.35	0.00	-7.12	0.00
1016	0.000	1	2121	-46.8	0.00	-0.56	0.00	7.59	0.00
			2122	-501.0	0.00	-2.09	0.00	26.04	0.00
			2125	-296.8	0.00	0.35	0.00	-7.12	0.00
			2126	-251.0	0.00	-3.00	0.00	40.76	0.00
			2129	-251.0	0.00	-3.00	0.00	40.76	0.00
			2130	-296.8	0.00	0.35	0.00	-7.12	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	7.03	0.00
			2122	-501.0	0.00	-2.09	0.00	23.94	0.00
			2125	-296.8	0.00	0.35	0.00	-6.77	0.00
			2126	-251.0	0.00	-3.00	0.00	37.74	0.00
			2129	-251.0	0.00	-3.00	0.00	37.74	0.00
			2130	-296.8	0.00	0.35	0.00	-6.77	0.00
1017	0.000	1	2121	-46.8	0.00	-0.56	0.00	7.03	0.00
			2122	-501.0	0.00	-2.09	0.00	23.94	0.00
			2125	-296.8	0.00	0.35	0.00	-6.77	0.00
			2126	-251.0	0.00	-3.00	0.00	37.74	0.00
			2129	-251.0	0.00	-3.00	0.00	37.74	0.00
			2130	-296.8	0.00	0.35	0.00	-6.77	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	6.47	0.00
			2122	-501.0	0.00	-2.09	0.00	21.84	0.00
			2125	-296.8	0.00	0.35	0.00	-6.42	0.00
			2126	-251.0	0.00	-3.00	0.00	34.73	0.00
			2129	-251.0	0.00	-3.00	0.00	34.73	0.00
			2130	-296.8	0.00	0.35	0.00	-6.42	0.00
1018	0.000	1	2121	-46.8	0.00	-0.56	0.00	6.47	0.00
			2122	-501.0	0.00	-2.09	0.00	21.84	0.00
			2125	-296.8	0.00	0.35	0.00	-6.42	0.00
			2126	-251.0	0.00	-3.00	0.00	34.73	0.00
			2129	-251.0	0.00	-3.00	0.00	34.73	0.00
			2130	-296.8	0.00	0.35	0.00	-6.42	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	5.91	0.00
			2122	-501.0	0.00	-2.09	0.00	19.74	0.00
			2125	-296.8	0.00	0.35	0.00	-6.07	0.00
			2126	-251.0	0.00	-3.00	0.00	31.72	0.00
			2129	-251.0	0.00	-3.00	0.00	31.72	0.00
			2130	-296.8	0.00	0.35	0.00	-6.07	0.00
1019	0.000	1	2121	-46.8	0.00	-0.56	0.00	5.91	0.00
			2122	-501.0	0.00	-2.09	0.00	19.74	0.00
			2125	-296.8	0.00	0.35	0.00	-6.07	0.00
			2126	-251.0	0.00	-3.00	0.00	31.72	0.00
			2129	-251.0	0.00	-3.00	0.00	31.72	0.00
			2130	-296.8	0.00	0.35	0.00	-6.07	0.00
ļ	1.003	1	2121	-46.8	0.00	-0.56	0.00	5.35	0.00
			2122	-501.0	0.00	-2.09	0.00	17.64	0.00
			2125	-296.8	0.00	0.35	0.00	-5.73	0.00
			2126	-251.0	0.00	-3.00	0.00	28.71	0.00
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Model Bruchbemessung Stäbe

	ngs-Schni								
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1019	1.003	1	2129	-251.0	0.00	-3.00	0.00	28.71	0.00
			2130	-296.8	0.00	0.35	0.00	-5.73	0.00
1020	0.000	1	2121	-46.8	0.00	-0.56	0.00	5.35	0.00
			2122	-501.0	0.00	-2.10	0.00	17.64	0.00
			2125	-296.8	0.00	0.35	0.00	-5.73	0.00
			2126	-251.0	0.00	-3.00	0.00	28.71	0.00
			2129	-251.0	0.00	-3.00	0.00	28.71	0.00
			2130	-296.8	0.00	0.35	0.00	-5.73	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	4.79	0.00
			2122	-501.0	0.00	-2.10	0.00	15.54	0.00
			2125	-296.8	0.00	0.35	0.00	-5.38	0.00
			2126	-251.0	0.00	-3.00	0.00	25.70	0.00
			2129	-251.0	0.00	-3.00	0.00	25.70	0.00
			2130	-296.8	0.00	0.35	0.00	-5.38	0.00
1021	0.000	1	2121	-46.8	0.00	-0.56	0.00	4.79	0.00
			2122	-501.0	0.00	-2.09	0.00	15.54	0.00
			2125	-296.8	0.00	0.35	0.00	-5.38	0.00
			2126	-251.0	0.00	-3.00	0.00	25.70	0.00
			2129	-251.0	0.00	-3.00	0.00	25.70	0.00
			2130	-296.8	0.00	0.35	0.00	-5.38	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	4.23	0.00
	1.003	_	2122	-501.0	0.00	-2.09	0.00	13.44	0.00
			2125	-296.8	0.00	0.35	0.00	-5.03	0.00
			2126	-251.0	0.00	-3.00	0.00	22.69	0.00
			2129	-251.0	0.00	-3.00	0.00	22.69	0.00
			2130	-296.8	0.00	0.35	0.00	-5.03	0.00
1022	0.000	1	2121	-46.8	0.00	-0.56	0.00	4.23	0.00
1022	0.000	1	2121						
			2125	-501.0	0.00	-2.09	0.00	13.44	0.00
			2125	-296.8	0.00	0.35	0.00	-5.03	0.00
			2126	-251.0	0.00	-3.00	0.00	22.69	0.00
				-251.0 -296.8	0.00	-3.00	0.00	22.69	0.00
	1.003	1	2130 2121	-46.8	0.00	0.35	0.00	-5.03	0.00
	1.003	1			0.00	-0.56	0.00	3.67	0.00
			2122	-501.0	0.00	-2.09	0.00	11.33	0.00
			2125	-296.8	0.00	0.35	0.00	-4.68	0.00
			2126	-251.0	0.00	-3.00	0.00	19.68	0.00
			2129	-251.0	0.00	-3.00	0.00	19.68	0.00
1000			2130	-296.8	0.00	0.35	0.00	-4.68	0.00
1023	0.000	1	2121	-46.8	0.00	-0.56	0.00	3.67	0.00
			2122	-501.0	0.00	-2.09	0.00	11.33	0.00
			2125	-296.8	0.00	0.35	0.00	-4.68	0.00
			2126	-251.0	0.00	-3.00	0.00	19.68	0.00
			2129	-251.0	0.00	-3.00	0.00	19.68	0.00
			2130	-296.8	0.00	0.35	0.00	-4.68	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	3.11	0.00
			2122	-501.0	0.00	-2.09	0.00	9.23	0.00
			2125	-296.8	0.00	0.35	0.00	-4.33	0.00
			2126	-251.0	0.00	-3.00	0.00	16.67	0.00
			2129	-251.0	0.00	-3.00	0.00	16.67	0.00
			2130	-296.8	0.00	0.35	0.00	-4.33	0.00
1024	0.000	1	2121	-46.8	0.00	-0.56	0.00	3.11	0.00
			2122	-501.0	0.00	-2.10	0.00	9.23	0.00
			2125	-296.8	0.00	0.35	0.00	-4.33	0.00
			2126	-251.0	0.00	-3.00	0.00	16.67	0.00
			2129	-251.0	0.00	-3.00	0.00	16.67	0.00
			2130	-296.8	0.00	0.35	0.00	-4.33	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	2.54	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm
1024	1.003	1	2122	-501.0	0.00	-2.10	0.00	7.13	0.0
			2125	-296.8	0.00	0.35	0.00	-3.98	0.0
			2126	-251.0	0.00	-3.00	0.00	13.66	0.0
			2129	-251.0	0.00	-3.00	0.00	13.66	0.0
			2130	-296.8	0.00	0.35	0.00	-3.98	0.0
1025	0.000	1	2121	-46.8	0.00	-0.56	0.00	2.54	0.0
			2122	-501.0	0.00	-2.09	0.00	7.13	0.0
			2125	-296.8	0.00	0.35	0.00	-3.98	0.0
			2126	-251.0	0.00	-3.00	0.00	13.66	0.0
			2129	-251.0	0.00	-3.00	0.00	13.66	0.0
L			2130	-296.8	0.00	0.35	0.00	-3.98	0.6
	1.003	1	2121	-46.8	0.00	-0.56	0.00	1.98	0.6
			2122	-501.0	0.00	-2.09	0.00	5.03	0.6
			2125	-296.8	0.00	0.35	0.00	-3.63	0.6
			2126	-251.0	0.00	-3.00	0.00	10.65	0.6
			2129	-251.0	0.00	-3.00	0.00	10.65	0.6
			2130	-296.8	0.00	0.35	0.00	-3.63	0.0
1026	0.000	1	2121	-46.8	0.00	-0.56	0.00	1.98	0.0
			2122	-501.0	0.00	-2.09	0.00	5.03	0.0
			2125	-296.8	0.00	0.35	0.00	-3.63	0.0
			2126	-251.0	0.00	-3.00	0.00	10.65	0.0
			2129	-251.0	0.00	-3.00	0.00	10.65	0.0
			2130	-296.8	0.00	0.35	0.00	-3.63	0.
	1.003	1	2121	-46.8	0.00	-0.56	0.00	1.42	0.
			2122	-501.0	0.00	-2.09	0.00	2.93	0.
			2125	-296.8	0.00	0.35	0.00	-3.28	0.
			2126	-251.0	0.00	-3.00	0.00	7.64	0.
			2129	-251.0	0.00	-3.00	0.00	7.64	0.
			2130	-296.8	0.00	0.35	0.00	-3.28	0.
1027	0.000	1	2121	-46.8	0.00	-0.56	0.00	1.42	0.
			2122	-501.0	0.00	-2.10	0.00	2.93	0.
			2125	-296.8	0.00	0.35	0.00	-3.28	0.
			2126	-251.0	0.00	-3.00	0.00	7.64	0.
			2129	-251.0	0.00	-3.00	0.00	7.64	0.
			2130	-296.8	0.00	0.35	0.00	-3.28	0.
	1.003	1	2121	-46.8	0.00	-0.56	0.00	0.86	0.
			2122	-501.0	0.00	-2.10	0.00	0.83	0.
			2125	-296.8	0.00	0.35	0.00	-2.94	0.
			2126	-251.0	0.00	-3.00	0.00	4.63	0.
			2129	-251.0	0.00	-3.00	0.00	4.63	0.
			2130	-296.8	0.00	0.35	0.00	-2.94	0.
1028	0.000	1	2121	-46.8	0.00	-0.56	0.00	0.86	0.
			2122	-501.0	0.00	-2.09	0.00	0.83	0.
			2125	-296.8	0.00	0.35	0.00	-2.94	0.
			2126	-251.0	0.00	-3.00	0.00	4.63	0.
			2129	-251.0	0.00	-3.00	0.00	4.63	0.
			2130	-296.8	0.00	0.35	0.00	-2.94	0.
	1.003	1	2121	-46.8	0.00	-0.56	0.00	0.30	0.
			2122	-501.0	0.00	-2.09	0.00	-1.27	0.
			2125	-296.8	0.00	0.35	0.00	-2.59	0.
			2126	-251.0	0.00	-3.00	0.00	1.62	0.
			2129	-251.0	0.00	-3.00	0.00	1.62	0.
			2130	-296.8	0.00	0.35	0.00	-2.59	0.
1029	0.000	1	2121	-46.8	0.00	-0.56	0.00	0.30	0.
			2122	-501.0	0.00	-2.10	0.00	-1.27	0.
			2125	-296.8	0.00	0.35	0.00	-2.59	0.
			2126	-251.0	0.00	-3.00	0.00	1.62	0.

Model Bruchbemessung Stäbe

Stab	ngs-Schni x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
Jeas	\[]		=:		Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1029	0.000	1	2129	-251.0	0.00	-3.00	0.00	1.62	0.00
1025	0.000	_	2130	-296.8	0.00	0.35	0.00	-2.59	0.00
t	1.003	1	2121	-46.8	0.00	-0.56	0.00	-0.26	0.00
	1.005	_	2122	-501.0	0.00	-2.10	0.00	-3.37	0.00
			2125	-296.8	0.00	0.35	0.00	-2.24	0.00
			2126	-251.0	0.00	-3.00	0.00	-1.39	0.00
			2129	-46.8	0.00	-0.56	0.00	-0.26	0.00
			2130	-501.0	0.00	-2.10	0.00	-3.37	0.00
1030	0.000	1	2121	-46.8	0.00	-0.56	0.00	-0.26	0.00
1030	0.000	1	2121	-501.0	0.00	-2.09	0.00	-3.37	0.0
			2125						
			2125	-296.8	0.00	0.35 -3.00	0.00	-2.24	0.0
				-251.0	0.00		0.00	-1.39	0.0
-			2129	-46.8	0.00	-0.56	0.00	-0.26	0.0
-			2130	-501.0	0.00	-2.09	0.00	-3.37	0.0
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-0.82	0.0
			2122	-501.0	0.00	-2.09	0.00	-5.47	0.0
			2125	-296.8	0.00	0.35	0.00	-1.89	0.0
			2126	-251.0	0.00	-3.00	0.00	-4.41	0.0
			2129	-46.8	0.00	-0.56	0.00	-0.82	0.0
			2130	-501.0	0.00	-2.09	0.00	-5.47	0.0
1031	0.000	1	2121	-46.8	0.00	-0.56	0.00	-0.82	0.0
			2122	-501.0	0.00	-2.09	0.00	-5.47	0.0
			2125	-296.8	0.00	0.35	0.00	-1.89	0.0
			2126	-251.0	0.00	-3.00	0.00	-4.41	0.0
			2129	-46.8	0.00	-0.56	0.00	-0.82	0.0
			2130	-501.0	0.00	-2.09	0.00	-5.47	0.0
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-1.38	0.0
			2122	-501.0	0.00	-2.09	0.00	-7.58	0.0
			2125	-296.8	0.00	0.35	0.00	-1.54	0.0
			2126	-251.0	0.00	-3.00	0.00	-7.42	0.0
			2129	-46.8	0.00	-0.56	0.00	-1.38	0.0
			2130	-501.0	0.00	-2.09	0.00	-7.58	0.0
1032	0.000	1	2121	-46.8	0.00	-0.56	0.00	-1.38	0.0
			2122	-501.0	0.00	-2.09	0.00	-7.58	0.0
			2125	-296.8	0.00	0.35	0.00	-1.54	0.0
			2126	-251.0	0.00	-3.00	0.00	-7.42	0.0
			2129	-46.8	0.00	-0.56	0.00	-1.38	0.0
			2130	-501.0	0.00	-2.09	0.00	-7.58	0.0
ł	1.003	1	2121	-46.8	0.00	-0.56	0.00	-1.94	0.0
	1.005	_	2122	-501.0	0.00	-2.09	0.00	-9.68	0.0
			2125	-296.8	0.00	0.35	0.00	-1.19	0.0
			2126	-251.0	0.00	-3.00	0.00	-10.43	0.0
			2129	-296.8	0.00	0.35	0.00	-1.19	0.0
1022	0.000	1	2130	-251.0	0.00	-3.00	0.00	-10.43	0.0
1033	0.000	1	2121	-46.8	0.00	-0.56	0.00	-1.94	0.0
			2122	-501.0	0.00	-2.09	0.00	-9.68	0.0
			2125	-296.8	0.00	0.35	0.00	-1.19	0.0
			2126	-251.0	0.00	-3.00	0.00	-10.43	0.0
			2129	-296.8	0.00	0.35	0.00	-1.19	0.0
-			2130	-251.0	0.00	-3.00	0.00	-10.43	0.0
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-2.50	0.0
			2122	-501.0	0.00	-2.09	0.00	-11.78	0.0
			2125	-296.8	0.00	0.35	0.00	-0.84	0.0
			2126	-251.0	0.00	-3.00	0.00	-13.44	0.0
			2129	-296.8	0.00	0.35	0.00	-0.84	0.0
			2130	-251.0	0.00	-3.00	0.00	-13.44	0.0
1034	0.000	1	2121	-46.8	0.00	-0.56	0.00	-2.50	0.0

Model Bruchbemessung Stäbe

Mb[kNm2] Mtp[kNm] Mts[kNm] eMy	[kNm] Mz[kNi [kNm] eMz[kNi 11.78 0.0 -0.84 0.0 13.44 0.0 -0.84 0.0 13.44 0.0
1034 0.000 1 2122 -501.0 0.00 -2.09 0.00 -2.09	11.78 0.0 -0.84 0.0 13.44 0.0 -0.84 0.0 13.44 0.0
2125 -296.8 0.00 0.35 0.00 2126 -251.0 0.00 -3.00 0.00 2129 -296.8 0.00 0.35 0.00 2130 -251.0 0.00 -3.00 0.00 1.003 1 2121 -46.8 0.00 -0.56 0.00 2122 -501.0 0.00 -2.09 0.00 -2.09 2125 -296.8 0.00 0.35 0.00	-0.84 0.0 13.44 0.0 -0.84 0.0 13.44 0.0
2126	13.44 0.0 -0.84 0.0 13.44 0.0
2129 -296.8 0.00 0.35 0.00 2130 -251.0 0.00 -3.00 0.00 1.003 1 2121 -46.8 0.00 -0.56 0.00 2122 -501.0 0.00 -2.09 0.00 -3.00 2125 -296.8 0.00 0.35 0.00	-0.84 0.0 13.44 0.0
1.003 1 2121 -46.8 0.00 -3.00 0.00 -3.00 1.003 1 2121 -46.8 0.00 -0.56 0.00 2122 -501.0 0.00 -2.09 0.00 -3.00 2125 -296.8 0.00 0.35 0.00	13.44 0.0
1.003 1 2121 -46.8 0.00 -0.56 0.00 2122 -501.0 0.00 -2.09 0.00 -2.09 2125 -296.8 0.00 0.35 0.00	
2122 -501.0 0.00 -2.09 0.00 -2.09 2125 -296.8 0.00 0.35 0.00	-3.06
2125 -296.8 0.00 0.35 0.00	
2125 -296.8 0.00 0.35 0.00	13.88 0.0
	-0.50 0.0
	16.45 0.0
	-0.50 0.0
	16.45 0.0
	-3.06 0.0
	13.88 0.0
	-0.50 0.0
	16.45 0.0
	-0.50 0.0
	16.45
	15.98 0.0
	-0.15 0.0
	19.46 0.0
	-0.15 0.0
	19.46 0.0
	-3.63 0.0
	15.98 0.0
	-0.15 0.0
	19.46 0.0
	-0.15 0.0
	19.46 0.0
	-4.19 0.0
2122 -501.0 0.00 -2.09 0.00 -2	18.08 0.0
2125 -296.8 0.00 0.35 0.00	0.20 0.0
2126 -251.0 0.00 -3.00 0.00 -2	22.47 0.0
2129 -296.8 0.00 0.35 0.00	0.20 0.0
2130 -251.0 0.00 -3.00 0.00 -2	22.47 0.0
1037 0.000 1 2121 -46.8 0.00 -0.56 0.00	-4.19 0.0
2122 -501.0 0.00 -2.09 0.00 -2	18.08 0.0
2125 -296.8 0.00 0.35 0.00	0.20 0.0
	22.47 0.0
2129 -296.8 0.00 0.35 0.00	0.20 0.0
	22.47 0.0
	-4.75 0.0
	20.18 0.0
21,25 -296.8 0.00 0.35 0.00	0.55 0.0
	25.48 0.0
2129 -296.8 0.00 0.35 0.00	0.55 0.0
	25.48 0.0
	-4.75 0.0
	20.18 0.0
2125 -296.8 0.00 0.35 0.00	0.55 0.0
1 2 1 2126 254 0 0 00 2 00 2 00 2	25.48 0.0
	0 551
2129 -296.8 0.00 0.35 0.00	0.55 0.0
2129 -296.8 0.00 0.35 0.00 2130 -251.0 0.00 -3.00 0.00 -2	25.48 0.0
2129 -296.8 0.00 0.35 0.00 2130 -251.0 0.00 -3.00 0.00 -2 1.003 1 2121 -46.8 0.00 -0.56 0.00 -3.00	25.48 0.0 -5.31 0.0
2129 -296.8 0.00 0.35 0.00 2130 -251.0 0.00 -3.00 0.00 -2 1.003 1 2121 -46.8 0.00 -0.56 0.00 -2 2122 -501.0 0.00 -2.09 0.00 -2	25.48 0.0 -5.31 0.0 22.28 0.0
2129	25.48 0.0 -5.31 0.0

Model Bruchbemessung Stäbe

	igs-Schni								
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1038	1.003	1	2129	-296.8	0.00	0.35	0.00	0.90	0.00
			2130	-251.0	0.00	-3.00	0.00	-28.49	0.00
1039	0.000	1	2121	-46.8	0.00	-0.56	0.00	-5.31	0.00
			2122	-501.0	0.00	-2.10	0.00	-22.28	0.00
			2125	-296.8	0.00	0.35	0.00	0.90	0.00
			2126	-251.0	0.00	-3.00	0.00	-28.49	0.00
			2129	-296.8	0.00	0.35	0.00	0.90	0.00
			2130	-251.0	0.00	-3.00	0.00	-28.49	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-5.87	0.00
			2122	-501.0	0.00	-2.10	0.00	-24.39	0.00
			2125	-296.8	0.00	0.35	0.00	1.25	0.00
			2126	-251.0	0.00	-3.00	0.00	-31.50	0.00
			2129	-296.8	0.00	0.35	0.00	1.25	0.00
			2130	-251.0	0.00	-3.00	0.00	-31.50	0.00
1040	0.000	1	2121	-46.8	0.00	-0.56	0.00	-5.87	0.00
			2122	-501.0	0.00	-2.09	0.00	-24.39	0.00
			2125	-296.8	0.00	0.35	0.00	1.25	0.00
			2126	-251.0	0.00	-3.00	0.00	-31.50	0.00
			2129	-296.8	0.00	0.35	0.00	1.25	0.00
			2130	-251.0	0.00	-3.00	0.00	-31.50	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-6.43	0.00
	1.005	_	2122	-501.0	0.00	-2.09	0.00	-26.49	0.00
			2125	-296.8	0.00	0.35	0.00	1.60	0.00
			2126	-251.0	0.00	-3.00	0.00	-34.51	0.00
			2129	-296.8	0.00	0.35	0.00	1.60	0.00
			2130	-251.0	0.00	-3.00	0.00	-34.51	0.00
1041	0.000	1	2121	-46.8	0.00	-0.56	0.00	-6.43	0.00
1041	0.000		2122	-501.0	0.00	-2.09	0.00	-26.49	0.00
			2125	-296.8	0.00	0.35	0.00	1.60	0.00
			2125	-251.0	0.00	-3.00	0.00	-34.51	0.00
			2129	-296.8	0.00	0.35	0.00	1.60	0.00
			2130	-251.0	0.00	-3.00	0.00	-34.51	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-6.99	0.00
	1.005		2122	-501.0	0.00		0.00		0.00
						-2.09		-28.59	
			2125	-296.8	0.00	0.35	0.00	1.95	0.00
			2126	-251.0	0.00	-3.00	0.00	-37.52	0.00
			2129	-296.8	0.00	0.35	0.00	1.95	0.00
1043	0.000	1	2130	-251.0	0.00	-3.00	0.00	-37.52	0.00
1042	0.000	1	2121	-46.8	0.00	-0.56	0.00	-6.99	0.00
			2122	-501.0	0.00	-2.09	0.00	-28.59	0.00
			2125	-296.8	0.00	0.35	0.00	1.95	0.00
			2126	-251.0	0.00	-3.00	0.00	-37.52	0.00
			2129	-296.8	0.00	0.35	0.00	1.95	0.00
			2130	-251.0	0.00	-3.00	0.00	-37.52	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-7.55	0.00
			2122	-501.0	0.00	-2.09	0.00	-30.69	0.00
			2125	-296.8	0.00	0.35	0.00	2.29	0.00
			2126	-251.0	0.00	-3.00	0.00	-40.53	0.00
			2129	-296.8	0.00	0.35	0.00	2.29	0.00
			2130	-251.0	0.00	-3.00	0.00	-40.53	0.00
1043	0.000	1	2121	-46.8	0.00	-0.56	0.00	-7.55	0.00
			2122	-501.0	0.00	-2.10	0.00	-30.69	0.00
			2125	-296.8	0.00	0.35	0.00	2.29	0.00
			2126	-251.0	0.00	-3.00	0.00	-40.53	0.00
			2129	-296.8	0.00	0.35	0.00	2.29	0.00
			2130	-251.0	0.00	-3.00	0.00	-40.53	0.00
	1.003	1	2121	-46.8	0.00	-0.56	0.00	-8.11	0.00

Model Bruchbemessung Stäbe

1.003		gs-Schni								
1,003	Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
1044 0.600 1.215 1.296.8 0.00 0.35 0.00 1.206 0.00 1.219 1.296.8 0.00 0.35 0.00 1.206 0.00 1.219 1.211 1.46.8 0.00 0.35 0.00 1.206 0.00 1.206 0.00 1.211 1.46.8 0.00 0.35 0.00 1.211 0.00 1.211 1.46.8 0.00 0.35 0.00 1.211 0.00 1.205 0.00 1.205 0.00 1.205 0.00 1.211 0.00 1.205 0.00						Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1044 0.000 1.211 0.000 -3.00 0.000 43.55 0.000 2.000 2.000 0.000 2.000 2.000 0.000 2.000 2.000 0.000 2.000 2.000 0.000 2.000	1043	1.003	1	2122	-501.0	0.00	-2.10	0.00	-32.79	0.00
1044 0.000 1.200 0.000				2125	-296.8	0.00	0.35	0.00	2.64	0.00
1044 0.000				2126	-251.0	0.00	-3.00	0.00	-43.55	0.00
1044 0.000				2129	-296.8	0.00	0.35	0.00	2.64	0.00
1.00				2130	-251.0	0.00	-3.00	0.00	-43.55	0.00
1045 1,000	1044	0.000	1	2121	-46.8	0.00	-0.56	0.00	-8.11	0.00
1045 1,000				2122	-501.0	0.00	-2.09	0.00	-32.79	0.00
1.00				2125		0.00	0.35	0.00		0.00
1.083				2126	-251.0	0.00	-3.00		-43.55	0.00
1.003										0.00
1.883										0.00
1045 1046	İ	1.003	1							
1045 1045			_				_			
1045										
1045 1045										
1045										
1045										
1046	1045	0 000	2							
1046 0.000	1045	0.000								
1046 0.000										
1046 0.000 2121 0.0 0.00										
1046 0.997 2 2121 0.0 0.00 0.00 24.58 0.00 0.00 30.84 0.00 21.62 0.00 0.00 28.66 0.00 30.84 0.00 0.00 21.62 0.00 0.00 28.66 0.00 30.84 0.00 0.00 21.62 0.00 0.										
0.997										
1845 1846	-									
1046		0.997	2							
1046 0.000 21.26 0.00 0.000 20.000 0.000 21.62 0.000										
1046 2129 0.0 0.00 113.97 0.00 122.61 0.00							-			
1046 0.000 2130 0.0 0.00 20.00 0.00 21.62 0.00 0.00 22.66 0.00 30.84 0.00 21.22 0.0 0.00 28.66 0.00 30.84 0.00 21.22 0.0 0.00 21.23 0.00 22.84 0.00 21.25 0.00 0.00 21.25 0.00 0.00 21.61 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.30 0.0 0.00 24.14 0.00 57.16 0.00 0.00 21.25 0.00 0.00 21.25 0.00 0.00 17.88 0.00 42.34 0.00 21.25 0.0 0.00 0.00 17.88 0.00 42.34 0.00 21.25 0.0 0.00 0.00 0.00 39.89 0.00 21.20 0.00 0.00 0.00 27.29 0.00 0							20.00	0.00	21.62	0.00
1046 0.000 2 2121 0.0 0.00 28.66 0.00 30.84 0.00 2122 0.0 0.00 21.23 0.00 22.84 0.00 0.00 21.25 0.0 0.00 0.113.97 0.00 122.61 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 0.00 21.62 0.00				2129	0.0	0.00	113.97	0.00	122.61	0.00
1047 1047 1048				2130	0.0		20.00	0.00	21.62	0.00
1047 0.000 2 2121 0.0 0.00 113.97 0.00 122.61 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 24.14 0.00 57.16 0.00 0.00 21.62 0.00 0.00 0.00 0.00 227.29 0.00 0.00 21.62 0.00	1046	0.000	2	2121	0.0	0.00	28.66	0.00	30.84	0.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				2122	0.0	0.00	21.23	0.00	22.84	0.00
1047 0.000 2 2121 0.0 0.00 0.00 24.14 0.00 57.16 0.00 2122 0.0 0.00 0.00 227.29 0.00				2125	0.0	0.00	113.97	0.00	122.61	0.00
1047 0.000 2 2121 0.0 0.00 0.00 21.62 0.00 0.997 2 2121 0.0 0.00 0.00 17.88 0.00 42.34 0.00 2129 0.0 0.00 95.98 0.00 227.29 0.00 0.00 95.98 0.00 227.29 0.00 0.00 95.98 0.00 227.29 0.00 0.00 0.00 0.00 0.00 39.89 0.00 227.29 0.00 0.00 0.00 0.00 0.00 39.89 0.00 0.00 2129 0.00 0.00 0.00 0.00 16.65 0.00 39.89 0.00 0.00 2130 0.0 0.00 0.00 0.00 24.14 0.00 57.16 0.00 0.00 2122 0.0 0.00 0.00 24.14 0.00 57.16 0.00 0.00 2125 0.0 0.00 95.98 0.00 227.29 0.00 0.00 2126 0.0 0.00 95.98 0.00 227.29 0.00 0.00 2130 0.0 0.00 95.98 0.00 227.29 0.00 0.00 2130 0.0 0.00 19.65 0.00 39.89 0.00 0.00 2130 0.0 0.00 19.62 0.00 78.98 0.00 0.00 2125 0.0 0.00 0.00 19.62 0.00 78.98 0.00 0.00 2126 0.00 0.00 0.00 19.62 0.00 78.98 0.00 0.00 2126 0.00 0.00 0.00 13.30 0.00 54.83 0.00 0.00 2130 0.0 0.00 0.00 13.30 0.00 54.83 0.00 0.00 19.62 0.00 78.98 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00				2126	0.0	0.00	20.00	0.00	21.62	0.00
0.997				2129	0.0	0.00	113.97	0.00	122.61	0.00
1047 0.000 2 2121 0.0 0.00 17.88 0.00 42.34 0.00 2125 0.0 0.00 95.98 0.00 227.29 0.00 0.00 2129 0.00 0.00 95.98 0.00 227.29 0.00 0.00 2129 0.00 0.00 95.98 0.00 227.29 0.00 0.00 0.00 0.00 0.00 39.89 0.00 0.00 0.00 0.00 39.89 0.00				2130	0.0	0.00	20.00	0.00	21.62	0.00
1047 0.000 2 2121 0.0 0.00 17.88 0.00 42.34 0.00 2125 0.00 0.00 95.98 0.00 227.29 0.00 0.00 2129 0.00 0.00 16.65 0.00 39.89 0.00 2129 0.00 0.00 0.00 16.65 0.00 39.89 0.00 2129 0.00 0.00 16.65 0.00 39.89 0.00 2130 0.0 0.00 0.00 16.65 0.00 39.89 0.00 2130 0.0 0.00 0.00 24.14 0.00 57.16 0.00 2122 0.0 0.00 0.00 24.14 0.00 57.16 0.00 2125 0.0 0.00 95.98 0.00 227.29 0.00 2125 0.0 0.00 95.98 0.00 227.29 0.00 2129 0.0 0.00 95.98 0.00 227.29 0.00 2129 0.0 0.00 95.98 0.00 227.29 0.00 2129 0.0 0.00 16.65 0.00 39.89 0.00 2129 0.00 0.00 19.62 0.00 78.98 0.00 0.00 2125 0.0 0.00 19.62 0.00 78.98 0.00 2125 0.0 0.00 78.00 0.00 314.04 0.00 2126 0.0 0.00 78.00 0.00 314.04 0.00 2120 0.0 0.00 0.00 78.00 0.00 314.04 0.00 2130 0.0 0.00 0.00 78.00 0.00 54.83 0.00 2120 0.0 0.00 0.00 78.98 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 13.30 0.00 54.83 0.00 2122 0.0 0.00 0.00 0.00 78.98 0.00 0.00 78.98 0.00 0.00 78.98 0.00 0.00 78.98 0.00 0.00 78.98 0.00 0.00 78.98 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.		0.997	2	2121	0.0	0.00	24.14	0.00	57.16	0.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				2122	0.0	0.00	17.88	0.00	42.34	0.00
1047 0.000 2 2121 0.0 0.00 16.65 0.00 39.89 0.00				2125	0.0	0.00	95.98	0.00	227.29	0.00
1047 0.000 2 2121 0.0 0.00 0.00 24.14 0.00 57.16 0.00 2125 0.00 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 57.16 0.00 0.00 24.14 0.00 0.00 39.89 0.00					0.0		16.65			0.00
1047									227.29	
1047										0.00
2122	1047	0.000	2							
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2126										
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1048 0.000 2 2121 0.0 0.00 19.62 0.00 78.98 0.00 2122 0.0 0.00 19.62 0.00 78.98 0.00 2125 0.0 0.00 78.00 0.00 314.04 0.00				_						
2122 0.0 0.00 19.62 0.00 78.98 0.00 2125 0.0 0.00 78.00 0.00 314.04 0.00										0.00
2125 0.0 0.00 78.00 0.00 314.04 0.00	1048	0.000	2		0.0		19.62	0.00		0.00
				2122	0.0	0.00	19.62	0.00	78.98	0.00
2126 0.0 0.00 13.30 0.00 54.83 0.00				2125	0.0	0.00	78.00	0.00	314.04	0.00
				2126	0.0	0.00	13.30	0.00	54.83	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1048	0.000	2	2129	0.0	0.00	78.00	0.00	314.04	0.00
			2130	0.0	0.00	13.30	0.00	54.83	0.00
	0.997	2	2121	0.0	0.00	15.09	0.00	96.29	0.00
			2122	0.0	0.00	15.09	0.00	96.29	0.00
			2125	0.0	0.00	60.01	0.00	382.85	0.00
			2126	0.0	0.00	9.95	0.00	66.42	0.00
			2129	0.0	0.00	60.01	0.00	382.85	0.00
			2130	0.0	0.00	9.95	0.00	66.42	0.00
1049	0.000	2	2121	0.0	0.00	15.09	0.00	96.29	0.00
1045	0.000		2122	0.0	0.00	11.18	0.00	71.32	0.00
			2125	0.0	0.00	60.01	0.00	382.85	0.00
			2125	0.0	0.00	9.95	0.00	66.42	0.0
			2129	0.0	0.00	60.01	0.00	382.85	0.0
			2130	0.0	0.00	9.95	0.00	66.42	0.0
	0.997	2	2121	0.0	0.00	10.57	0.00	109.08	0.0
			2122	0.0	0.00	7.83	0.00	80.80	0.00
			2125	0.0	0.00	42.03	0.00	433.72	0.00
			2126	0.0	0.00	6.60	0.00	74.67	0.00
			2129	0.0	0.00	42.03	0.00	433.72	0.00
			2130	0.0	0.00	6.60	0.00	74.67	0.00
1050	0.000	2	2121	0.0	0.00	10.57	0.00	109.08	0.00
			2122	0.0	0.00	10.57	0.00	109.08	0.00
			2125	0.0	0.00	42.03	0.00	433.72	0.00
			2126	0.0	0.00	6.60	0.00	74.67	0.0
			2129	0.0	0.00	42.03	0.00	433.72	0.0
			2130	0.0	0.00	6.60	0.00	74.67	0.0
	0.997	2	2121	0.0	0.00	6.05	0.00	117.37	0.00
			2122	0.0	0.00	6.05	0.00	117.37	0.00
			2125	0.0	0.00	24.04	0.00	466.67	0.0
			2126	0.0	0.00	3.25	0.00	79.58	0.0
			2129	0.0	0.00	24.04	0.00	466.67	0.0
•			2130	0.0	0.00	3.25	0.00	79.58	0.0
1051	0.000	2	2121	0.0	0.00	4.48	0.00	86.94	0.0
	0.000	_	2122	0.0	0.00	6.05	0.00	117.37	0.0
			2125	0.0	0.00	24.04	0.00	466.67	0.0
			2126	0.0		3.25	0.00	79.58	0.0
			2129	0.0	0.00	24.04	0.00	466.67	0.0
			2130	0.0	0.00			79.58	0.0
-	0.997	2	2121	0.0	0.00	3.25	0.00	89.73	0.0
	0.337					1.13			
			2122	0.0	0.00	1.52	0.00	121.14	0.0
			2125	0.0	0.00	6.06	0.00	481.68	0.0
			2126	0.0	0.00	-0.10	0.00	81.15	0.0
			2129	0.0	0.00	6.06	0.00	481.68	0.0
			2130	0.0	0.00	-0.10	0.00	81.15	0.0
1052	0.000	2	2121	0.0	0.00	1.52	0.00	121.14	0.0
			2122	0.0	0.00	1.52	0.00	121.14	0.0
			2125	0.0	0.00	6.06	0.00	481.68	0.0
			2126	0.0	0.00	-0.10	0.00	81.15	0.0
			2129	0.0	0.00	6.06	0.00	481.68	0.0
			2130	0.0	0.00	-0.10	0.00	81.15	0.0
	0.997	2	2121	0.0	0.00	-3.00	0.00	120.40	0.0
			2122	0.0	0.00	-3.00	0.00	120.40	0.0
			2125	0.0	0.00	-2.22	0.00	89.19	0.0
			2126	0.0	0.00	-13.15	0.00	468.94	0.0
			2129	0.0	0.00	-11.92	0.00	478.75	0.0
			2130	0.0	0.00	-3.45	0.00	79.38	0.0
1053	0.000	2	2121	0.0	0.00	-3.00	0.00	120.40	0.00

Model Bruchbemessung Stäbe

Bemessun		ittgr							
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1053	0.000	2	2122	0.0	0.00	-3.00	0.00	120.40	0.00
			2125	0.0	0.00	-2.22	0.00	89.19	0.00
			2126	0.0	0.00	-13.15	0.00	468.94	0.00
			2129	0.0	0.00	-11.92	0.00	478.75	0.00
			2130	0.0	0.00	-3.45	0.00	79.38	0.00
	0.997	2	2121	0.0	0.00	-7.52	0.00	115.16	0.00
	0.557	_	2122	0.0	0.00	-7.52	0.00	115.16	0.00
			2125	0.0	0.00	-5.57	0.00	85.30	0.00
			2125	0.0	0.00	-31.14	0.00	446.86	0.00
			2129	0.0	0.00	-29.91	0.00	457.90	0.00
1051			2130	0.0	0.00	-6.80	0.00	74.27	0.00
1054	0.000	2	2121	0.0	0.00	-7.52	0.00	115.16	0.00
			2122	0.0	0.00	-5.57	0.00	85.30	0.00
			2125	0.0	0.00	-5.57	0.00	85.30	0.00
			2126	0.0	0.00	-31.14	0.00	446.86	0.00
			2129	0.0	0.00	-29.91	0.00	457.90	0.00
			2130	0.0	0.00	-6.80	0.00	74.27	0.00
	0.997	2	2121	0.0	0.00	-12.04	0.00	105.40	0.00
			2122	0.0	0.00	-8.92	0.00	78.08	0.00
			2125	0.0	0.00	-8.92	0.00	78.08	0.00
			2126	0.0	0.00	-49.12	0.00	406.85	0.00
			2129	0.0	0.00	-47.89	0.00	419.11	0.00
			2130	0.0	0.00	-10.15	0.00	65.82	0.00
1055	0.000	2	2121	0.0	0.00	-12.04	0.00	105.40	0.00
1033	0.000	_	2122	0.0	0.00	-8.92	0.00	78.08	0.00
			2125	0.0	0.00	-8.92	0.00	78.08	0.00
			2126	0.0	0.00	-49.12	0.00	406.85	0.00
			2129	0.0	0.00	-47.89	0.00	419.11	0.00
			2130	0.0	0.00	-10.15	0.00	65.82	0.00
	0.997	2	2121	0.0	0.00	-16.57	0.00	91.14	0.00
			2122	0.0	0.00	-12.27	0.00	67.51	0.00
			2125	0.0	0.00	-12.27	0.00	67.51	0.00
			2126	0.0	0.00	-67.11	0.00	348.90	0.00
			2129	0.0	0.00	-65.88	0.00	362.38	0.00
			2130	0.0	0.00	-13.50	0.00	54.02	0.00
1056	0.000	2	2121	0.0	0.00	-16.57	0.00	91.14	0.00
			2122	0.0	0.00	-12.27	0.00	67.51	0.00
			2125	0.0	0.00	-12.27	0.00	67.51	0.00
			2126	0.0	0.00	-67.11	0.00	348.90	0.00
			2129	0.0	0.00	-65.88	0.00	362.38	0.00
			2130	0.0	0.00	-13.50	0.00	54.02	0.00
	0.997	2	2121	0.0	0.00	-21.09	0.00	72.36	0.00
	0.557		2122		0.00	-15.62			0.00
				0.0			0.00	53.60	
			2125	0.0	0.00	-15.62	0.00	53.60	0.00
			2126	0.0	0.00	-85.09	0.00	273.01	0.00
			2129	0.0	0.00	-83.86	0.00	287.73	0.00
			2130	0.0	0.00	-16.85	0.00	38.89	0.00
1057	0.000	2	2121	0.0	0.00	-21.09	0.00	72.36	0.00
			2122	0.0	0.00	-15.62	0.00	53.60	0.00
			2125	0.0	0.00	-15.62	0.00	53.60	0.00
			2126	0.0	0.00	-85.09	0.00	273.01	0.00
			2129	0.0	0.00	-83.86	0.00	287.73	0.00
			2130	0.0	0.00	-16.85	0.00	38.89	0.00
ļ	0.997	2		0.0	0.00	-25.61	0.00	49.08	0.00
			2122	0.0	0.00	-18.97	0.00	36.35	0.00
			2125	0.0	0.00	-18.97	0.00	36.35	0.00
			2126	0.0	0.00	-103.07	0.00	179.20	0.00
				0.0	0.00	105.07	0.00	1, 5.20	0.00

Model Bruchbemessung Stäbe

1857 8,997 2 2121 8,0 8,0 1,	Bemessun									
1857 8,997 2 2129 8,8 8,68 -191.84 8,08 195.16 8,08 195.16	Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
1858 0.000 2 2111 0.0 0.00 -20.20 0.00 20.61 0.00 40.80 0.00 2.00										eMz[kNm]
1958	1057	0.997	2	2129	0.0	0.00	-101.84	0.00		0.00
1059 1059				2130	0.0	0.00	-20.20	0.00	20.41	0.00
1859 0.000 0.000 0.000 0.000 1.18.07 0.000 1.19.01 0.000 0.000 1.19.01 0.000 0.000 1.19.01 0.000 0.000 1.19.01 0.000 0.000 1.19.01 0.000 0.000 0.000 1.19.01 0.000 0.000 1.19.01 0.000 0.000 1.19.01 0.000	1058	0.000	2	2121	0.0	0.00	-25.61	0.00	49.08	0.00
1059 1,000				2122	0.0	0.00	-18.97	0.00	36.35	0.00
1059 0.000				2125	0.0	0.00	-18.97	0.00	36.35	0.00
				2126	0.0	0.00	-103.07	0.00	179.20	0.00
0.997 2 2121 0.0 0.00 -30.14 0.00 21.28 0.00				2129	0.0	0.00	-101.84	0.00	195.14	0.00
1052 0.0 0.00 -22.32 0.00 15.76 0.00				2130	0.0	0.00	-20.20	0.00	20.41	0.00
105		0.997	2	2121	0.0	0.00	-30.14	0.00	21.28	0.00
1059 0.000 0.000 0.000 0.119.82 0.000 0.414 0.000 0.414 0.000 0.414 0.000 0.414 0.400 0.				2122	0.0	0.00	-22.32	0.00	15.76	0.00
1059 0.000 2 2121 0.0 0.00 -119.82 0.00 84.62 0.00 105.76 0.00 0.00 -23.55 0.00 1.140 0.00 0.00 1.128 0.00 0.00 -23.52 0.00 15.76 0.00 0.00 0.00 -22.32 0.00 15.76 0.00 0.00 0.00 -22.32 0.00 15.76 0.00 0.00 0.00 -22.32 0.00 15.76 0.00 0.00 0.21.28 0.00 0.00 0.22.32 0.00 15.76 0.00 0.00 0.22.32 0.00 0.576 0.00 0.00 0.22.32 0.00 0.00 0.745 0.00 0.00 0.22.32 0.00 0.00 0.745 0.00 0.00 0.23.55 0.00 0.140 0.00 0.00 0.23.55 0.00 0.140 0.00 0.00 0.23.55 0.00 0.140 0.00 0.00 0.25.67 0.00 0.817 0.00 0.00 0.25.67 0.00 0.817 0.00 0.00 0.25.67 0.00 0.817 0.00 0.00 0.25.67 0.00 0.817 0.00 0.00 0.25.67 0.00 0.817 0.00 0.00 0.25.67 0.00 0.817 0.00 0.00 0.25.67 0.00 0.62.23 0.00 0.00 0.25.67 0.00 0.25.44 0.00 0.00 0.25.67 0.00 0.25.44 0.00 0.25.67 0.00 0.25.44 0.00 0.25.67 0.00 0.25.44 0.00 0.25				2125	0.0	0.00	-22.32	0.00	15.76	0.00
1859 8.808 2 2121 0.8 0.00 -23.55 0.00 -1.40 0.00 1.57.6 0.00 21.228 0.00 0.00 -39.14 0.00 21.228 0.00 0.00 15.76 0.00 15.76 0.00 12.25 0.00 0.00 -22.32 0.00 15.76 0.00 0.00 15.76 0.00 0.00 15.76 0.00 0.00 15.76 0.00 0.00 15.76 0.00 0.00 15.76 0.00 0.00 15.76 0.00 0.00 12.25 0.00 0.00 15.76 0.00 0.00 12.25 0.00 0.00 15.76 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 12.25 0.00 0.00 12.25 0.00 12.25 0.00 0.00 12.25 0.00 12.25 0.00 0.00 12.25 0.00 12.25 0.00 0.25 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.00 12.25 0.00 0.25 0.00 12.25 0.00 0.0				2126	0.0	0.00	-121.05	0.00	67.45	0.00
1059				2129	0.0	0.00	-119.82	0.00	84.62	0.00
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2130 0.0 0.00 -175.00 0.00 -375.38 0.00					0.0	0.00	-175.00	0.00	-375.38	0.00
				2129	0.0	0.00	-32.37	0.00	-66.05	0.00
0.997 2 2121 0.0 0.00 -48.23 0.00 -135.00 0.00					0.0	0.00	-175.00	0.00	-375.38	0.00
		0.997	2	2121	0.0	0.00	-48.23	0.00	-135.00	0.00

Model Bruchbemessung Stäbe

	gs-Schni					T			
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1062	0.997	2	2122	0.0	0.00	-35.72	0.00	-100.00	0.00
			2125	0.0	0.00	-35.72	0.00	-100.00	0.00
			2126	0.0	0.00	-192.98	0.00	-558.85	0.00
			2129	0.0	0.00	-35.72	0.00	-100.00	0.00
			2130	0.0	0.00	-192.98	0.00	-558.85	0.00
1063	0.000	2	2121	-19.3	0.00	6.89	0.00	-83.61	0.00
			2122	-209.8	0.00	261.99	0.00	-499.85	0.00
			2125	-209.8	0.00	261.99	0.00	-499.85	0.00
			2126	-19.3	0.00	6.89	0.00	-83.61	0.00
			2129	-19.3	0.00	6.89	0.00	-83.61	0.00
			2130	-209.8	0.00	261.99	0.00	-499.85	0.00
	1.025	2	2121	-19.3	0.00	3.45	0.00	-78.31	0.00
			2122	-209.8	0.00	243.50	0.00	-240.71	0.00
			2125	-209.8	0.00	243.50	0.00	-240.71	0.00
			2126	-19.3	0.00	3.45	0.00	-78.31	0.00
			2129	-125.7	0.00	228.45	0.00	101.32	0.00
			2130	-103.4	0.00	18.50	0.00	-420.34	0.00
1064	0.000	2	2121	-19.3	0.00	3.45	0.00	-78.31	0.00
1004	0.000		2122	-209.8	0.00	243.50	0.00	-240.71	0.00
			2125	-209.8	0.00	243.50	0.00	-240.71	0.00
			2125	-19.3	0.00	3.45	0.00	-78.31	0.00
			2129						0.00
			2129	-125.7	0.00	228.45	0.00	101.32	
	1 025	2		-103.4	0.00	18.50	0.00	-420.34	0.00
	1.025	2	2121	-19.3	0.00	0.00	0.00	-76.54	0.00
			2122	-209.8	0.00	225.01	0.00	-0.53	0.00
			2125	-209.8	0.00	225.01	0.00	-0.53	0.00
			2126	-19.3	0.00	0.00	0.00	-76.54	0.00
			2129	-125.7	0.00	225.00	0.00	333.79	0.00
4045			2130	-103.4	0.00	0.01	0.00	-410.86	0.00
1065	0.000	2	2121	-19.3	0.00	0.00	0.00	-76.54	0.00
			2122	-209.8	0.00	-224.99	0.00	-0.53	0.00
			2125	-103.4	0.00	0.01	0.00	-410.86	0.00
			2126	-125.7	0.00	-225.00	0.00	333.79	0.00
			2129	-125.7	0.00	-225.00	0.00	333.79	0.00
			2130	-103.4	0.00	0.01	0.00	-410.86	0.00
	1.025	2	2121	-19.3	0.00	-3.44	0.00	-78.31	0.00
			2122	-209.8	0.00	-243.48	0.00	-240.70	0.00
			2125	-19.3	0.00	-3.44	0.00	-78.31	0.00
			2126	-209.8	0.00	-243.48	0.00	-240.70	0.00
			2129	-125.7	0.00	-228.44	0.00	101.33	0.00
			2130	-103.4	0.00	-18.48	0.00	-420.33	0.00
1066	0.000	2	2121	-19.3	0.00	-3.44	0.00	-78.31	0.00
			2122	-209.8	0.00	-243.48	0.00	-240.70	0.00
			2125	-19.3	0.00	-3.44	0.00	-78.31	0.00
			2126	-209.8	0.00	-243.48	0.00	-240.70	0.00
			2129	-125.7	0.00	-228.44	0.00	101.33	0.00
			2130	-103.4	0.00	-18.48	0.00	-420.33	0.00
	1.025	2	2121	-19.3	0.00	-6.89	0.00	-83.60	0.00
			2122	-209.8	0.00	-261.98	0.00	-499.83	0.00
			2125	-19.3	0.00	-6.89	0.00	-83.60	0.00
			2126	-209.8	0.00	-261.98	0.00	-499.83	0.00
			2129	-19.3	0.00	-6.89	0.00	-83.60	0.00
			2130	-209.8	0.00	-261.98	0.00	-499.83	0.00
1067	0.000	2		0.0	0.00	35.73	0.00	-100.00	0.00
			2122	0.0	0.00	48.23	0.00	-135.00	0.00
			2125	0.0	0.00	193.00	0.00	-558.86	0.00
			2126	0.0	0.00	35.73	0.00	-100.00	0.00
			2120	0.0	0.00		0.00	100.00	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
		·			Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1067	0.000	2	2129	0.0	0.00	35.73	0.00	-100.00	0.00
		_	2130	0.0	0.00	193.00	0.00	-558.86	0.00
	0.997	2	2121	0.0	0.00	32.38	0.00	-66.05	0.00
		_	2122	0.0	0.00	43.71	0.00	-89.16	0.00
			2125	0.0	0.00	175.01	0.00	-375.37	0.00
			2126	0.0	0.00	32.38	0.00	-66.05	0.00
			2129	0.0	0.00	32.38	0.00	-66.05	0.00
			2130	0.0	0.00	175.01	0.00	-375.37	0.00
1068	0.000	2	2121	0.0	0.00	43.71	0.00	-89.16	0.00
		_	2122	0.0	0.00	43.71	0.00	-89.16	0.00
			2125	0.0	0.00	175.01	0.00	-375.37	0.00
			2126	0.0	0.00	32.38	0.00	-66.05	0.00
			2129	0.0	0.00	32.38	0.00	-66.05	0.00
			2130	0.0	0.00	175.01	0.00	-375.37	0.00
-	0.997	2	2121	0.0	0.00	39.18	0.00	-47.83	0.00
	0.557	_	2122	0.0	0.00	39.18	0.00	-47.83	0.00
			2125	0.0	0.00	157.03	0.00	-209.81	0.00
			2126	0.0	0.00	29.03	0.00	-35.43	0.00
			2129	0.0	0.00	29.03	0.00	-35.43	0.00
			2130	0.0	0.00	157.03	0.00	-209.81	0.00
1069	0.000	2	2121	0.0	0.00	39.18	0.00	-47.83	0.00
1005	0.000	_	2122	0.0	0.00	39.18	0.00	-47.83	0.00
			2125	0.0	0.00	157.03	0.00	-209.81	0.00
			2126	0.0	0.00	29.03	0.00	-35.43	0.00
			2129	0.0	0.00	29.03	0.00	-35.43	0.00
			2130	0.0	0.00	157.03	0.00	-209.81	0.00
	0.997	2	2121	0.0	0.00	34.66	0.00	-11.02	0.00
	0.557	_	2122	0.0	0.00	34.66	0.00	-11.02	0.00
			2125	0.0	0.00	139.05	0.00	-62.19	0.00
			2126	0.0	0.00	25.67	0.00	-8.16	0.00
			2129	0.0	0.00	25.67	0.00	-8.16	0.00
			2130	0.0	0.00	139.05	0.00	-62.19	0.00
1070	0.000	2	2121	0.0	0.00	34.66	0.00	-11.02	0.00
10/0	0.000		2122	0.0	0.00	34.66	0.00	-11.02	0.00
			2125	0.0	0.00	139.05	0.00	-62.19	0.00
			2126	0.0	0.00	25.67	0.00	-8.16	0.00
			2129	0.0	0.00	25.67	0.00	-8.16	0.00
			2130	0.0	0.00	139.05	0.00	-62.19	0.00
-	0.997	2	2121	0.0	0.00	30.14	0.00	21.29	0.00
	0.557	_	2122	0.0	0.00	30.14	0.00	21.29	0.00
			2125	0.0	0.00	121.06	0.00	67.50	0.00
			2126	0.0	0.00	22.32	0.00	15.77	0.00
			2129	0.0	0.00	119.83	0.00	84.66	0.00
			2130	0.0	0.00	23.55	0.00	-1.39	0.00
1071	0.000	2	2121	0.0	0.00	30.14	0.00	21.29	0.00
10/1	0.000		2122	0.0	0.00	30.14	0.00	21.29	0.00
			2125	0.0	0.00	121.06	0.00	67.50	0.00
			2126	0.0	0.00	22.32	0.00	15.77	0.00
			2129	0.0	0.00	119.83	0.00	84.66	0.00
			2130	0.0	0.00	23.55	0.00	-1.39	0.00
	0.997	2	2121	0.0	0.00	25.61	0.00	49.09	0.00
	3.337		2121	0.0	0.00	25.61	0.00	49.09	0.00
			2125	0.0	0.00	103.08	0.00	179.25	0.00
			2125	0.0	0.00	18.97	0.00	36.36	0.00
			2129	0.0	0.00	101.85	0.00	195.19	0.00
			2130	0.0	0.00	20.20	0.00	20.42	0.00
1072	0.000	2	2121	0.0	0.00	25.61	0.00	49.09	0.00
10/2	0.000		4141	9.0	0.00	25.01	0.00	45.05	0.00

Model Bruchbemessung Stäbe

Bemessun									
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1072	0.000	2	2122	0.0	0.00	25.61	0.00	49.09	0.00
			2125	0.0	0.00	103.08	0.00	179.25	0.00
			2126	0.0	0.00	18.97	0.00	36.36	0.00
			2129	0.0	0.00	101.85	0.00	195.19	0.00
			2130	0.0	0.00	20.20	0.00	20.42	0.00
	0.997	2	2121	0.0	0.00	21.09	0.00	72.38	0.00
			2122	0.0	0.00	21.09	0.00	72.38	0.00
			2125	0.0	0.00	85.09	0.00	273.07	0.00
			2126	0.0	0.00	15.62	0.00	53.61	0.00
			2129	0.0	0.00	83.86	0.00	287.78	0.00
			2130	0.0	0.00	16.85	0.00	38.90	0.00
1073	0.000	2	2121	0.0	0.00	21.09	0.00	72.38	0.00
			2122	0.0	0.00	21.09	0.00	72.38	0.00
			2125	0.0	0.00	85.09	0.00	273.07	0.00
			2126	0.0	0.00	15.62	0.00	53.61	0.00
			2129	0.0	0.00	83.86	0.00	287.78	0.00
			2130	0.0	0.00	16.85	0.00	38.90	0.00
	0.997	2	2121	0.0	0.00	16.57	0.00	91.15	0.00
	0.557	_	2122	0.0	0.00	16.57	0.00	91.15	0.00
			2125	0.0	0.00	67.11	0.00	348.96	0.00
			2125	0.0	0.00	12.27	0.00	67.52	0.00
			2129	0.0	0.00	65.88	0.00	362.44	0.00
			2130	0.0	0.00	13.50	0.00	54.03	0.00
1074	0 000	2	2121		0.00				
10/4	0.000		2121	0.0	0.00	16.57	0.00	91.15	0.00
				0.0		16.57	0.00	91.15	0.00
			2125	0.0	0.00	67.11	0.00	348.96	0.00
			2126	0.0	0.00	12.27	0.00	67.52	0.00
			2129	0.0	0.00	65.88	0.00	362.44	0.00
<u> </u>	0.007	_	2130	0.0	0.00	13.50	0.00	54.03	0.00
	0.997	2	2121	0.0	0.00	12.04	0.00	105.42	0.00
			2122	0.0	0.00	12.04	0.00	105.42	0.00
			2125	0.0	0.00	49.12	0.00	406.91	0.00
			2126	0.0	0.00	8.92	0.00	78.09	0.00
			2129	0.0	0.00	47.89	0.00	419.17	0.00
			2130	0.0	0.00	10.15	0.00	65.83	0.00
1075	0.000	2	2121	0.0	0.00	8.92	0.00	78.09	0.00
			2122	0.0	0.00	12.04	0.00	105.42	0.00
			2125	0.0	0.00	49.12	0.00	406.91	0.00
			2126	0.0	0.00	8.92	0.00	78.09	0.00
			2129	0.0	0.00	47.89	0.00	419.17	0.00
			2130	0.0	0.00	10.15	0.00	65.83	0.00
	0.997	2	2121	0.0	0.00	5.57	0.00	85.31	0.00
			2122	0.0	0.00	7.52	0.00	115.17	0.00
			2125	0.0	0.00	31.14	0.00	446.92	0.00
			2126	0.0	0.00	5.57	0.00	85.31	0.00
			2129	0.0	0.00	29.91	0.00	457.95	0.00
			2130	0.0	0.00	6.80	0.00	74.28	0.00
1076	0.000	2	2121	0.0	0.00	7.52	0.00	115.17	0.00
			2122	0.0	0.00	7.52	0.00	115.17	0.00
			2125	0.0	0.00	31.14	0.00	446.92	0.00
			2126	0.0	0.00	5.57	0.00	85.31	0.00
			2129	0.0	0.00	29.91	0.00	457.95	0.00
			2130	0.0	0.00	6.80	0.00	74.28	0.00
	0.997	2	2121	0.0	0.00	3.00	0.00	120.42	0.00
			2122	0.0	0.00	3.00	0.00	120.42	0.00
			2125	0.0	0.00	13.15	0.00	469.00	0.00
			2126	0.0	0.00	2.22	0.00	89.20	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1076	0.997	2	2129	0.0	0.00	11.92	0.00	478.81	0.00
			2130	0.0	0.00	3.45	0.00	79.39	0.0
1077	0.000	2	2121	0.0	0.00	3.00	0.00	120.42	0.0
			2122	0.0	0.00	3.00	0.00	120.42	0.0
			2125	0.0	0.00	13.15	0.00	469.00	0.0
			2126	0.0	0.00	2.22	0.00	89.20	0.0
			2129	0.0	0.00	11.92	0.00	478.81	0.0
			2130	0.0	0.00	3.45	0.00	79.39	0.0
	0.997	2	2121	0.0	0.00	-1.53	0.00	121.15	0.0
			2122	0.0	0.00	-1.53	0.00	121.15	0.0
			2125	0.0	0.00	0.10	0.00	81.16	0.0
			2126	0.0	0.00	-6.06	0.00	481.73	0.0
			2129	0.0	0.00	-6.06	0.00	481.73	0.0
			2130	0.0	0.00	0.10	0.00	81.16	0.0
1078	0.000	2	2121	0.0	0.00	-1.53	0.00	121.15	0.0
			2122	0.0	0.00	-1.53	0.00	121.15	0.6
			2125	0.0	0.00	0.10	0.00	81.16	0.6
			2126	0.0	0.00	-6.06	0.00	481.73	0.6
			2129	0.0	0.00	-6.06	0.00	481.73	0.6
			2130	0.0	0.00	0.10	0.00	81.16	0.6
	0.997	2	2121	0.0	0.00	-6.05	0.00	117.38	0.6
			2122	0.0	0.00	-6.05	0.00	117.38	0.6
			2125	0.0	0.00	-3.25	0.00	79.59	0.6
			2126	0.0	0.00	-24.05	0.00	466.71	0.6
			2129	0.0	0.00	-24.05	0.00	466.71	0.0
			2130	0.0	0.00	-3.25	0.00	79.59	0.6
1079	0.000	2	2121	0.0	0.00	-6.05	0.00	117.38	0.6
			2122	0.0	0.00	-6.05	0.00	117.38	0.6
			2125	0.0	0.00	-3.25	0.00	79.59	0.6
			2126	0.0	0.00	-24.05	0.00	466.71	0.6
			2129	0.0	0.00	-24.05	0.00	466.71	0.6
			2130	0.0	0.00	-3.25	0.00	79.59	0.6
	0.997	2	2121	0.0	0.00	-10.57	0.00	109.09	0.0
			2122	0.0	0.00	-10.57	0.00	109.09	0.6
			2125	0.0	0.00	-6.60	0.00	74.68	0.6
			2126	0.0	0.00	-42.04	0.00	433.76	0.6
			2129	0.0	0.00	-42.04	0.00	433.76	0.6
			2130	0.0	0.00	-6.60	0.00	74.68	0.6
1080	0.000	2	2121	0.0	0.00	-10.57	0.00	109.09	0.6
			2122	0.0	0.00	-10.57	0.00	109.09	0.6
			2125	0.0	0.00	-6.60	0.00	74.68	0.0
			2126	0.0	0.00	-42.04	0.00	433.76	0.0
			2129	0.0	0.00	-42.04	0.00	433.76	0.0
			2130	0.0	0.00	-6.60	0.00	74.68	0.6
	0.997	2		0.0	0.00	-15.09	0.00	96.29	0.6
			2122	0.0	0.00	-15.09	0.00	96.29	0.0
			2125	0.0	0.00	-9.95	0.00	66.42	0.0
			2126	0.0	0.00	-60.02	0.00	382.88	0.6
			2129	0.0		-60.02	0.00	382.88	0.0
			2130	0.0		-9.95	0.00	66.42	0.0
1081	0.000	2	2121	0.0		-15.09	0.00	96.29	0.0
1001	3,000		2122	0.0		-15.09	0.00	96.29	0.0
			2125	0.0		-9.95	0.00	66.42	0.0
			2125	0.0	0.00	-60.02	0.00	382.88	0.6
			2126	0.0	0.00			382.88	0.6
		}				-60.02	0.00		
-	0.007	2	2130	0.0	0.00	-9.95	0.00	66.42	0.0
	0.997	2	2121	0.0	0.00	-19.62	0.00	78.99	0.0

Model Bruchbemessung Stäbe

1881 0.997 2 2122 0.0 0.00 0.19, 62 0.00 78.09 0.00 78.09 0.00 21229 0.0 0.00 0.78.09 0.00 314.06 0.00 21229 0.0 0.00 0.78.09 0.00 314.06 0.00 21229 0.0 0.00 0.78.09 0.00 0.00 314.06 0.00 0.00 21229 0.0 0.00 0.00 0.00 0.00 0.00 314.06 0.00 0.00 21225 0.0 0.00 0.00 0.13.30 0.00 54.33 0.00 21225 0.0 0.00 0.13.30 0.00 54.33 0.00 21225 0.0 0.00 0.19.62 0.00 78.99 0.00 0.20 2122 0.0 0.00 0.13.30 0.00 54.33 0.00 2122 0.0 0.00 0.78.09 0.00 314.06 0.00 2122 0.0 0.00 0.78.09 0.00 314.06 0.00 2122 0.0 0.00 0.78.09 0.00 314.06 0.00 2122 0.0 0.00 0.78.09 0.00 314.06 0.00 2122 0.0 0.00 0.78.09 0.00 314.06 0.00 2122 0.0 0.00 0.78.09 0.00 314.06 0.00 2122 0.0 0.00 0.24.14 0.00 57.17 0.00 0.00 2222 0.00 0.00 0.24.14 0.00 57.17 0.00 0.00 2222 0.00 0.00 0.24.14 0.00 0.78.71 0.00 0.00 2222 0.00 0.00 0.24.14 0.00 0.00 2227.31 0.00 0.00 0.24.14 0.00 0.227.31 0.00 0.00 2227.31 0.00 0.00 0.24.14 0.00 0.27.31 0.00 0.00 2227.31 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0.00 0.24.14 0.00 0.77.17 0.00 0		ıgs-Schni								-
1881 0.997 2 2122 0.0 0.00 -19.52 0.00 78.99 0.00	Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
1082 0.000 2.000 0.000 0.000 0.000 314.00 0.000 2129 0.0 0.000 0.000 0.000 314.00 0.000 2139 0.0 0.000 0.13.30 0.000 54.83 0.000 0.000 0.13.30 0.000 54.83 0.000 0.000 0.13.30 0.000 0.000 78.900 0.000 78.900 0.000 21225 0.0 0.000 0.000 1.13.30 0.000 54.83 0.000 21229 0.0 0.000 0.000 1.13.30 0.000 54.83 0.000 21229 0.0 0.000 0.78.000 0.000 314.000 0.000 21229 0.0 0.000 0.78.000 0.000 314.000 0.000 21229 0.0 0.000 0.78.000 0.000 314.000 0.000 21220 0.0 0.000 0.78.000 0.000 54.83 0.000 0.000 21220 0.0 0.000 0.000 0.300 314.000 0.000 21220 0.0 0.000 0.24.14 0.000 57.17 0.000 0.000 21220 0.0 0.000 0.24.14 0.000 57.17 0.000 0.000 21220 0.0 0.000 0.24.14 0.000 57.17 0.000 0.000 21220 0.0 0.000 0.55.99 0.000 227.31 0.000 0.000 21220 0.0 0.000 0.55.99 0.000 227.31 0.000						Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1082 0.000 2121 0.0 0.00 -78.00 0.00 314.06 0.00	1081	0.997	2	2122	0.0	0.00	-19.62	0.00	78.99	0.00
1082 0.000 0.000 -78.000 0.000 314.00 0.000				2125	0.0	0.00	-13.30	0.00	54.83	0.00
1082 0.000 2 2121 0.0 0.00 -13.30 0.00 78.99 0.00 2122 0.0 0.00 -19.62 0.00 78.99 0.00 2125 0.0 0.00 -19.62 0.00 78.99 0.00 2126 0.0 0.00 -13.30 0.00 54.83 0.00 2126 0.0 0.00 -78.00 0.00 314.06 0.00 2130 0.0 0.00 -78.00 0.00 314.06 0.00 2130 0.0 0.00 -78.00 0.00 54.83 0.00 0.00 2130 0.0 0.00 -78.00 0.00 54.83 0.00 0.00 2122 0.0 0.00 0.00 -78.00 0.00 54.83 0.00 0.00 2122 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 222.12 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 222.12 0.0 0.00 0.00 -16.65 0.00 39.89 0.00 222.13 0.00 0.00 -224.14 0.00 57.17 0.00 0.00 222.13 0.00 0.00 -224.14 0.00 57.17 0.00 0.00 222.12 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 222.13 0.00 0.00 -224.14 0.00 57.17 0.00 0.00 222.13 0.00 0.00 224.14 0.00 57.17 0.00 0.00 222.14 0.00 0.00 39.89 0.00 222.31 0.00 0.00 224.14 0.00 57.17 0.00 0.00 222.14 0.00 0.00 39.89 0.00 222.31 0.00 0.00 222.14 0.00 0.00 39.89 0.00 222.31 0.00 0.00 222.14 0.00 0.00 39.89 0.00 222.31 0.00 0.00 222.00 0.00 39.89 0.00 222.31 0.00 0.00 222.00 0.00 39.89 0.00 222.00				2126	0.0	0.00	-78.00	0.00	314.06	0.00
1882 8,000 2 2121 9,0 9,00 -19,62 0,00 78,99 9,00				2129	0.0	0.00	-78.00	0.00	314.06	0.00
1083 0.000 2 2121 0.0 0.00 0.00 0.00 0.00 314.06 0.00 0.00 0.00 0.00 0.00 0.00 314.06 0.00 0.00 0.00 0.00 314.06 0.00 0.00 0.00 0.00 0.00 314.06 0.00 0.00 0.00 0.00 0.00 314.06 0.00				2130	0.0	0.00	-13.30	0.00	54.83	0.00
1883 0.000 2.121 0.0 0.00 -13.30 0.00 54.83 0.00 12.125 0.0 0.00 -78.00 0.00 314.06 0.00 12.125 0.0 0.00 -78.00 0.00 314.06 0.00 0.00 -78.00 0.00 314.06 0.00 0.00 12.125 0.0 0.00 0.00 -78.00 0.00 54.83 0.00 54.83 0.00 54.83 0.00 54.83 0.00 0.00 12.125 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 12.125 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 12.125 0.0 0.00 0.00 -95.99 0.00 227.31 0.00 0.00 12.130 0.0 0.00 0.00 -95.99 0.00 227.31 0.00 0.00 0.00 -95.99 0.00 227.31 0.00 0.00 12.125 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 12.125 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 12.125 0.0 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 12.125 0.0 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -24.14 0.00 57.17 0.00 0.00 12.125 0.0 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99 0.00 227.31 0.00 0.00 -35.99	1082	0.000	2	2121	0.0	0.00	-19.62	0.00	78.99	0.00
100 110				2122	0.0	0.00	-19.62	0.00	78.99	0.00
1083 0.000 0.000 0.000 0.000 0.000 314.066 0.000 0.0				2125	0.0	0.00	-13.30	0.00	54.83	0.00
1083				2126	0.0	0.00			314.06	0.00
										0.00
0.997 2 2121 0.0 0.00 -24.14 0.00 57.17 0.00										
1083		0.997	2				A			
1083 1083 1084 1084 1085 1086 39,88 0.00			_							
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1083 0.000 2 2121 0.0 0.00 -16.65 0.00 39.89 0.00 0.00 12125 0.0 0.00 -24.14 0.00 57.17 0.00 0.00 12125 0.0 0.00 -24.14 0.00 57.17 0.00 0.00 12125 0.0 0.00 -24.14 0.00 57.17 0.00 0.00 12126 0.0 0.00 -95.99 0.00 227.31 0.00 0.00 12129 0.0 0.00 -95.99 0.00 227.31 0.00 0.00 12129 0.0 0.00 -95.99 0.00 227.31 0.00 0.00 12120 0.00 0.00 -16.65 0.00 39.89 0.00 0.00 12120 0.00 0.00 -16.65 0.00 39.89 0.00 0.00 12120 0.00 0.00 -28.66 0.00 39.89 0.00 0.00 12125 0.00 0.00 -28.66 0.00 39.89 0.00 0.00 12125 0.00 0.00 -28.66 0.00 30.84 0.00 0.00 12120 0.00 0.00 121.62 0.00 0										
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1084 0.000 2 2121 0.0 0.00 0.00 22.66 0.00 39.89 0.00 22.73 0.00 0.00 21.62 0.00 0.00 22.66 0.00 39.89 0.00 0.00 21.62 0.00 0.00 22.66 0.00 39.89 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00	1083	0.000								
1084 0.000 2121 0.0 0.00 0.95.99 0.00 227.31 0.00 0.00 0.95.99 0.00 0.27.31 0.00 0.00 0.9										
1084 0.000 2121 0.0 0.00 0.00 227.31 0.00 0.00 0.00 1-16.65 0.00 39.89 0.00 0.00 1-16.65 0.00 39.89 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 39.84 0.00 0.00 1-16.65 0.00 0.										
1084 0.997 2 2121 0.0 0.00 0.00 0.28.66 0.00 39.89 0.06 0.00 22.62 0.00 0.00 0.28.66 0.00 30.84 0.06 0.00 21.62 0.00 0.00 0.28.66 0.00 30.84 0.06 0.00 21.62 0.00 0.00										
0.997										
1084 0.000 2121 0.0 0.00 -28.66 0.00 30.84 0.00 2125 0.0 0.00 -20.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 -113.98 0.00 122.62 0.00 0.00 -113.98 0.00 122.62 0.00 0.00 -113.98 0.00 122.62 0.00 0.00 21.60 0.00 0.00 -113.98 0.00 122.62 0.00 0.00 21.60 0.00 0.00 -28.66 0.00 30.84 0.00 0.00 21.62 0.00					0.0					
1084 No. 1085 No. 108		0.997	2		0.0			0.00	30.84	
1084 0.000 2126 0.00 0.000 -113.98 0.000 122.62 0.000 0.2130 0.00 0.000 -20.000 0.000 21.62 0.000 0.000 0.2000 0.000 21.62 0.000 0.000 0.2000 0.000 21.62 0.000 0.000 0.2000 0.000 21.62 0.000 0.000 0.28.66 0.000 30.84 0.000 0.2000 0.000 21.62 0.000 0.000 21.62 0.000 0.000 21.62 0.000 0.000 21.62 0.000 0.000 21.62 0.000 0.000 21.62 0.000 0.000 21.62 0.000 0.000 0.2000 0.000 0.2000 0.000 0.2000 0.000 0.2000 0.000 0.2000 0.000				2122			-28.66	0.00	30.84	0.00
1084 0.000 2129 0.0 0.00 -113.98 0.00 122.62 0.00				2125		0.00	-20.00	0.00		0.00
1084 0.000 2130 0.0 0.00 -20.00 0.00 21.62 0.00 0.00 21.10 0.00 0.00 0.00 0.00 30.84 0.00 0.00 21.10 0.00 0.00 0.00 0.00 30.84 0.00 0.00 21.10 0.00 0.00 0.00 0.00 0.00 21.62 0.00 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.62 0.00 0.00 21.30 0.0 0.00 0.00 0.00 0.00 21.62 0.00 0.00 0.00 21.62 0.00				2126	0.0	0.00	-113.98	0.00	122.62	0.00
1084 0.000 2 2121 0.0 0.00 -28.66 0.00 30.84 0.00 2122 0.0 0.00 0.00 -28.66 0.00 30.84 0.00 2125 0.0 0.00 0.00 -20.00 0.00 21.62 0.00 2126 0.00 0.00 -113.98 0.00 122.62 0.00 0.00 -113.98 0.00 122.62 0.00 0.00 -20.00 0.00 0.162 0.00				2129	0.0	0.00	-113.98	0.00	122.62	0.00
1085 0.000 2 2121 -46.8 0.00 -24.58 0.00 -34.87 0.00 2129 -296.8 0.00 0.00 -35 0.00 0.00 -32.77 0.00 0.00 -35 0.00 -32.77 0.00 0.00 -32.19 0.00 0.00 -32.19 0.00 0.00 -32.19 0.00 0.00 -32.77 0.00 0.00 -32.17 0.00 0.00 0.00 -32.17 0.00 0.				2130	0.0	0.00	-20.00	0.00	21.62	0.00
1085 0.000 0.00 0.00 0.00 0.00 0.162 0.00 0.00 0.12262 0.00 0.00 0.133.98 0.00 122.62 0.00 0.00 0.00 0.133.98 0.00 122.62 0.00	1084	0.000	2	2121	0.0	0.00	-28.66	0.00	30.84	0.00
1085 0.000 2 2121 0.00 0.				2122	0.0	0.00	-28.66	0.00	30.84	0.00
1085 0.000 2 2121 0.00 0.				2125	0.0	0.00	-20.00	0.00	21.62	0.00
1085 0.000 2 2121 0.00 0.				2126	0.0	0.00	-113.98	0.00	122.62	0.00
1085 0.000 2 2 2 2 2 2 0.0 0.00				2129	0.0	0.00	-113.98	0.00	122.62	0.00
0.997					0.0		-20.00		21.62	0.00
1085 0.000 2 2121 0.00 0.		0.997	2				-33.19			0.00
1085										
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
1085 0.000 2 2121 -46.8 0.00 0.56 0.00 -8.67 0.00 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20										
1085										
1.003 2 2121 -46.8 0.00 0.00 3.00 0.00 -43.53 0.00 2129 -296.8 0.00 0.00 3.00 0.00 -43.53 0.00 0.	1005	0 000	2							
1.003 2 2121 -46.8 0.00 0.00 3.00 0.00 -46.54 0.00	1002	0.000								
1.003 2 2121										
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2126										0.00
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1086 0.000 2 2121 -46.8 0.00 0.56 0.00 -43.53 0.00 2122 -501.0 0.00 2.09 0.00 -32.77 0.00 2125 -251.0 0.00 3.00 0.00 -43.53 0.00				_			-0.35			0.00
1086 0.000 2 2121 -46.8 0.00 0.56 0.00 -8.11 0.00 2122 -501.0 0.00 2.09 0.00 -32.77 0.00 2125 -251.0 0.00 3.00 0.00 -43.53 0.00				2129		0.00	-0.35	0.00	2.65	0.00
2122 -501.0 0.00 2.09 0.00 -32.77 0.00 2125 -251.0 0.00 3.00 0.00 -43.53 0.00				2130	-251.0	0.00	3.00	0.00	-43.53	0.00
2125 -251.0 0.00 3.00 0.00 -43.53 0.00	1086	0.000	2	2121	-46.8	0.00	0.56	0.00	-8.11	0.00
2125 -251.0 0.00 3.00 0.00 -43.53 0.00				2122	-501.0	0.00	2.09	0.00	-32.77	0.00
				2125		0.00		0.00	-43.53	0.00
					-296.8		-0.35			0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
		J			Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1086	0.000	2	2129	-296.8	0.00	-0.35	0.00	2.65	0.00
			2130	-251.0	0.00	3.00	0.00	-43.53	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	-7.55	0.0
			2122	-501.0	0.00	2.09	0.00	-30.67	0.0
			2125	-251.0	0.00	3.00	0.00	-40.52	0.0
			2126	-296.8	0.00	-0.35	0.00	2.30	0.0
			2129	-296.8	0.00	-0.35	0.00	2.30	0.0
			2130	-251.0	0.00	3.00	0.00	-40.52	0.0
1087	0.000	2	2121	-46.8	0.00	0.56	0.00	-7.55	0.0
1007	0.000	_	2122	-501.0	0.00	2.09	0.00	-30.67	0.0
			2125	-251.0	0.00	3.00	0.00	-40.52	0.0
			2126	-296.8	0.00	-0.35	0.00	2.30	0.0
			2129			-0.35			
				-296.8	0.00		0.00	2.30	0.0
	1 000		2130	-251.0	0.00	3.00	0.00	-40.52	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	-6.99	0.0
			2122	-501.0	0.00	2.09	0.00	-28.57	0.0
			2125	-251.0	0.00	3.00	0.00	-37.51	0.0
			2126	-296.8	0.00	-0.35	0.00	1.95	0.0
			2129	-296.8	0.00	-0.35	0.00	1.95	0.0
			2130	-251.0	0.00	3.00	0.00	-37.51	0.0
1088	0.000	2	2121	-46.8	0.00	0.56	0.00	-6.99	0.0
			2122	-501.0	0.00	2.09	0.00	-28.57	0.0
			2125	-251.0	0.00	3.00	0.00	-37.51	0.0
			2126	-296.8	0.00	-0.35	0.00	1.95	0.0
			2129	-296.8	0.00	-0.35	0.00	1.95	0.0
			2130	-251.0	0.00	3.00	0.00	-37.51	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	-6.43	0.0
			2122	-501.0	0.00	2.09	0.00	-26.47	0.0
			2125	-251.0	0.00	3.00	0.00	-34.50	0.0
			2126	-296.8	0.00	-0.35	0.00	1.60	0.0
			2129	-296.8	0.00	-0.35	0.00	1.60	0.0
			2130	-251.0	0.00	3.00	0.00	-34.50	0.0
1089	0.000	2	2121	-46.8	0.00	0.56	0.00	-6.43	0.0
		_	2122	-501.0	0.00	2.09	0.00	-26.47	0.0
			2125	-251.0	0.00	3.00	0.00	-34.50	0.0
			2126	-296.8	0.00	-0.35	0.00	1.60	0.0
			2129	-296.8	0.00	-0.35	0.00	1.60	0.0
			2130	-251.0	0.00	3.00	0.00	-34.50	0.0
-	1.003	2	2121	-46.8	0.00	0.56	0.00	-5.87	0.0
	1.005		2122	-501.0	0.00	2.09	0.00	-24.37	0.0
			2125	-251.0	0.00	3.00	0.00	-31.49	0.6
			2125	-296.8	0.00	-0.35	0.00	1.25	0.6
								1.25	
			2129	-296.8	0.00	-0.35	0.00		0.0
		_	2130	-251.0	0.00	3.00	0.00	-31.49	0.0
1090	0.000	2	2121	-46.8	0.00	0.56	0.00	-5.87	0.0
			2122	-501.0	0.00	2.09	0.00	-24.37	0.0
			2125	-251.0	0.00	3.00	0.00	-31.49	0.0
			2126	-296.8	0.00	-0.35	0.00	1.25	0.0
			2129	-296.8	0.00	-0.35	0.00	1.25	0.0
			2130	-251.0	0.00	3.00	0.00	-31.49	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	-5.31	0.6
		7	2122	-501.0	0.00	2.09	0.00	-22.27	0.6
			2125	-251.0	0.00	3.00	0.00	-28.48	0.6
			2126	-296.8	0.00	-0.35	0.00	0.90	0.6
			2129	-296.8	0.00	-0.35	0.00	0.90	0.0
			2130	-251.0	0.00	3.00	0.00	-28.48	0.0
1091	0.000	2	2121	-46.8	0.00	0.56	0.00	-5.31	0.0

Model Bruchbemessung Stäbe

Bemessur									
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1091	0.000	2	2122	-501.0	0.00	2.09	0.00	-22.27	0.00
			2125	-251.0	0.00	3.00	0.00	-28.48	0.00
			2126	-296.8	0.00	-0.35	0.00	0.90	0.00
			2129	-296.8	0.00	-0.35	0.00	0.90	0.00
			2130	-251.0	0.00	3.00	0.00	-28.48	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	-4.74	0.00
			2122	-501.0	0.00	2.09	0.00	-20.17	0.00
			2125	-251.0	0.00	3.00	0.00	-25.47	0.00
			2126	-296.8	0.00	-0.35	0.00	0.55	0.00
			2129	-296.8	0.00	-0.35	0.00	0.55	0.00
			2130	-251.0	0.00	3.00	0.00	-25.47	0.00
1092	0.000	2	2121	-46.8	0.00	0.56	0.00	-4.74	0.00
			2122	-501.0	0.00	2.09	0.00	-20.17	0.00
			2125	-251.0	0.00	3.00	0.00	-25.47	0.00
			2126	-296.8	0.00	-0.35	0.00	0.55	0.00
			2129	-296.8	0.00	-0.35	0.00	0.55	0.00
			2130	-251.0	0.00	3.00	0.00	-25.47	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	-4.18	0.00
		_	2122	-501.0	0.00	2.09	0.00	-18.07	0.00
			2125	-251.0	0.00	3.00	0.00	-22.46	0.00
			2126	-296.8	0.00	-0.35	0.00	0.20	0.00
			2129	-296.8	0.00	-0.35	0.00	0.20	0.00
			2130	-251.0	0.00	3.00	0.00	-22.46	0.00
1093	0.000	2	2121	-46.8	0.00	0.56	0.00	-4.18	0.00
1055	0.000	_	2122	-501.0	0.00	2.09	0.00	-18.07	0.00
			2125	-251.0	0.00	3.00	0.00	-22.46	0.00
			2126	-296.8	0.00	-0.35	0.00	0.20	0.00
			2129	-296.8	0.00	-0.35	0.00	0.20	0.00
			2130	-251.0	0.00	3.00	0.00	-22.46	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	-3.62	0.00
	1.005		2122	-501.0	0.00	2.09	0.00	-15.97	0.00
			2125	-251.0	0.00	3.00	0.00	-19.45	0.00
			2126	-296.8	0.00	-0.35	0.00	-0.15	0.00
			2129	-296.8	0.00	-0.35	0.00	-0.15	0.00
			2130	-251.0	0.00	3.00	0.00	-19.45	0.00
1094	0.000	2	2121	-46.8	0.00	0.56	0.00	-3.62	0.00
1054	0.000	_	2122	-501.0	0.00	2.09	0.00	-15.97	0.00
			2125	-251.0	0.00	3.00	0.00	-19.45	0.00
			2126	-296.8	0.00	-0.35	0.00	-0.15	0.00
			2129	-296.8	0.00	-0.35	0.00	-0.15	0.00
			2130	-251.0	0.00	3.00	0.00	-19.45	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	-3.06	0.00
	1.005		2122	-501.0	0.00	2.09	0.00	-13.87	0.00
			2125	-251.0	0.00	3.00	0.00	-16.44	0.00
			2126	-296.8	0.00	-0.35	0.00	-0.49	0.00
			2129	-296.8	0.00	-0.35	0.00	-0.49	0.00
			2130		0.00		0.00		0.00
1095	0.000	2	2121	-251.0 -46.8	0.00	3.00 0.56	0.00	-16.44 -3.06	0.00
1033	5.000		2121	-501.0	0.00	2.09	0.00	-13.87	0.00
			2125	-251.0	0.00	3.00	0.00	-16.44	0.00
			2126	-296.8	0.00	-0.35	0.00	-0.49	0.00
			2129	-296.8	0.00	-0.35	0.00	-0.49	0.00
			2129		0.00				
}	1.003	2	2130	-251.0	0.00	3.00	0.00	-16.44	0.00
	1.003	2	/	-46.8		0.56		-2.50 -11 77	0.00
			2122	-501.0	0.00	2.09	0.00	-11.77	0.00
			2125	-251.0	0.00	3.00	0.00	-13.43	0.00
			2126	-296.8	0.00	-0.35	0.00	-0.84	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1095	1.003	2	2129	-296.8	0.00	-0.35	0.00	-0.84	0.00
			2130	-251.0	0.00	3.00	0.00	-13.43	0.00
1096	0.000	2	2121	-46.8	0.00	0.56	0.00	-2.50	0.00
			2122	-501.0	0.00	2.09	0.00	-11.77	0.00
			2125	-251.0	0.00	3.00	0.00	-13.43	0.00
			2126	-296.8	0.00	-0.35	0.00	-0.84	0.00
			2129	-296.8	0.00	-0.35	0.00	-0.84	0.00
			2130	-251.0	0.00	3.00	0.00	-13.43	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	-1.94	0.00
			2122	-501.0	0.00	2.09	0.00	-9.67	0.00
			2125	-251.0	0.00	3.00	0.00	-10.42	0.00
			2126	-296.8	0.00	-0.35	0.00	-1.19	0.00
			2129	-296.8	0.00	-0.35	0.00	-1.19	0.00
ĺ			2130	-251.0	0.00	3.00	0.00	-10.42	0.0
1097	0.000	2	2121	-46.8	0.00	0.56	0.00	-1.94	0.00
İ			2122	-501.0	0.00	2.09	0.00	-9.67	0.0
İ			2125	-251.0	0.00	3.00	0.00	-10.42	0.0
			2126	-296.8	0.00	-0.35	0.00	-1.19	0.00
			2129	-296.8	0.00	-0.35	0.00	-1.19	0.0
			2130	-251.0	0.00	3.00	0.00	-10.42	0.00
F	1.003	2	2121	-46.8	0.00	0.56	0.00	-1.38	0.0
	1.005	-	2122	-501.0	0.00	2.09	0.00	-7.57	0.0
			2125	-251.0	0.00	3.00	0.00	-7.41	0.0
			2126	-296.8	0.00	-0.35	0.00	-1.54	0.0
			2129	-46.8	0.00	0.56	0.00	-1.38	0.0
-			2130	-501.0	0.00	2.09	0.00	-7.57	0.0
1098	0.000	2	2121	-46.8	0.00	0.56	0.00	-1.38	0.00
1030	0.000		2121	-501.0	0.00	2.09	0.00	-7.57	0.00
			2125	-251.0	0.00	3.00	0.00	-7.37	0.0
			2126	-296.8	0.00	-0.35	0.00	-1.54	0.00
			2129	-46.8	0.00	0.56	0.00	-1.34	0.0
			2130	-501.0	0.00	2.09	0.00	-7.57	0.0
H	1 003	2							
	1.003	2	2121	-46.8	0.00	0.56	0.00	-0.82	0.0
			2122	-501.0	0.00	2.09	0.00	-5.47	0.0
			2125	-251.0	0.00	3.00	0.00	-4.40	0.0
			2126	-296.8	0.00	-0.35	0.00	-1.89	0.0
			2129	-46.8	0.00	0.56	0.00	-0.82	0.0
1000			2130	-501.0	0.00	2.09	0.00	-5.47	0.0
1099	0.000	2	2121	-46.8	0.00	0.56	0.00	-0.82	0.0
			2122	-501.0	0.00	2.09	0.00	-5.47	0.0
			2125	-251.0	0.00	3.00	0.00	-4.40	0.0
			2126	-296.8	0.00	-0.35	0.00	-1.89	0.0
			2129	-46.8	0.00	0.56	0.00	-0.82	0.0
-			2130	-501.0	0.00	2.09	0.00	-5.47	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	-0.26	0.0
			2122	-501.0	0.00	2.09	0.00	-3.37	0.0
			2125	-251.0	0.00	3.00	0.00	-1.39	0.0
			2126	-296.8	0.00	-0.35	0.00	-2.24	0.0
			2129	-46.8	0.00	0.56	0.00	-0.26	0.0
			2130	-501.0	0.00	2.09	0.00	-3.37	0.0
1100	0.000	2	2121	-46.8	0.00	0.56	0.00	-0.26	0.0
			2122	-501.0	0.00	2.09	0.00	-3.37	0.0
			2125	-251.0	0.00	3.00	0.00	-1.39	0.0
			2126	-296.8	0.00	-0.35	0.00	-2.24	0.0
			2129	-46.8	0.00	0.56	0.00	-0.26	0.0
			2130	-501.0	0.00	2.09	0.00	-3.37	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	0.30	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1100	1.003	2	2122	-501.0	0.00	2.09	0.00	-1.27	0.00
		_	2125	-251.0	0.00	3.00	0.00	1.62	0.00
			2126	-296.8	0.00	-0.35	0.00	-2.59	0.00
			2129	-251.0	0.00	3.00	0.00	1.62	0.00
			2130	-296.8	0.00	-0.35	0.00	-2.59	0.00
1101	0.000	2	2121	-46.8	0.00	0.56	0.00	0.30	0.00
		_	2122	-501.0	0.00	2.09	0.00	-1.27	0.00
			2125	-251.0	0.00	3.00	0.00	1.62	0.00
			2126	-296.8	0.00	-0.35	0.00	-2.59	0.00
			2129	-251.0	0.00	3.00	0.00	1.62	0.00
			2130	-296.8	0.00	-0.35	0.00	-2.59	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	0.86	0.00
	_,,,,	_	2122	-501.0	0.00	2.09	0.00	0.83	0.00
			2125	-251.0	0.00	3.00	0.00	4.63	0.00
			2126	-296.8	0.00	-0.35	0.00	-2.94	0.00
			2129	-251.0	0.00	3.00	0.00	4.63	0.00
			2130	-296.8	0.00	-0.35	0.00	-2.94	0.00
1102	0.000	2	2121	-46.8	0.00	0.56	0.00	0.86	0.00
	0.000	_	2122	-501.0	0.00	2.09	0.00	0.83	0.00
			2125	-251.0	0.00	3.00	0.00	4.63	0.00
			2126	-296.8	0.00	-0.35	0.00	-2.94	0.00
			2129	-251.0	0.00	3.00	0.00	4.63	0.00
			2130	-296.8	0.00	-0.35	0.00	-2.94	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	1.42	0.00
			2122	-501.0	0.00	2.09	0.00	2.93	0.00
			2125	-251.0	0.00	3.00	0.00	7.64	0.00
			2126	-296.8	0.00	-0.35	0.00	-3.29	0.00
			2129	-251.0	0.00	3.00	0.00	7.64	0.00
			2130	-296.8	0.00	-0.35	0.00	-3.29	0.00
1103	0.000	2	2121	-46.8	0.00	0.56	0.00	1.42	0.00
			2122	-501.0	0.00	2.09	0.00	2.93	0.00
			2125	-251.0	0.00	3.00	0.00	7.64	0.00
			2126	-296.8	0.00	-0.35	0.00	-3.29	0.00
			2129	-251.0	0.00	3.00	0.00	7.64	0.00
			2130	-296.8	0.00	-0.35	0.00	-3.29	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	1.98	0.00
			2122	-501.0	0.00	2.09	0.00	5.03	0.00
			2125	-251.0	0.00	3.00	0.00	10.64	0.00
			2126	-296.8	0.00	-0.35	0.00	-3.63	0.00
			2129	-251.0	0.00	3.00	0.00	10.64	0.00
			2130	-296.8	0.00	-0.35	0.00	-3.63	0.00
1104	0.000	2	2121	-46.8	0.00	0.56	0.00	1.98	0.00
			2122	-501.0	0.00	2.09	0.00	5.03	0.00
			2125	-251.0	0.00	3.00	0.00	10.64	0.00
			2126	-296.8	0.00	-0.35	0.00	-3.63	0.00
			2129	-251.0	0.00	3.00	0.00	10.64	0.00
			2130	-296.8	0.00	-0.35	0.00	-3.63	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	2.54	0.00
			2122	-501.0	0.00	2.09	0.00	7.13	0.00
			2125	-251.0	0.00	3.00	0.00	13.65	0.00
			2126	-296.8	0.00	-0.35	0.00	-3.98	0.00
			2129	-251.0	0.00	3.00	0.00	13.65	0.00
4			2130	-296.8	0.00	-0.35	0.00	-3.98	0.00
1105	0.000	2	2121	-46.8	0.00	0.56	0.00	2.54	0.00
			2122	-501.0	0.00	2.09	0.00	7.13	0.00
			2125	-251.0	0.00	3.00	0.00	13.65	0.00
			2126	-296.8	0.00	-0.35	0.00	-3.98	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1105	0.000	2	2129	-251.0	0.00	3.00	0.00	13.65	0.00
			2130	-296.8	0.00	-0.35	0.00	-3.98	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	3.10	0.00
			2122	-501.0	0.00	2.09	0.00	9.23	0.00
			2125	-251.0	0.00	3.00	0.00	16.66	0.00
			2126	-296.8	0.00	-0.35	0.00	-4.33	0.00
			2129	-251.0	0.00	3.00	0.00	16.66	0.00
			2130	-296.8	0.00	-0.35	0.00	-4.33	0.00
1106	0.000	2	2121	-46.8	0.00	0.56	0.00	3.10	0.00
			2122	-501.0	0.00	2.09	0.00	9.23	0.00
			2125	-251.0	0.00	3.00	0.00	16.66	0.0
			2126	-296.8	0.00	-0.35	0.00	-4.33	0.00
			2129	-251.0	0.00	3.00	0.00	16.66	0.00
			2130	-296.8	0.00	-0.35	0.00	-4.33	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	3.66	0.00
			2122	-501.0	0.00	2.09	0.00	11.33	0.00
			2125	-251.0	0.00	3.00	0.00	19.67	0.0
			2126	-296.8	0.00	-0.35	0.00	-4.68	0.0
			2129	-251.0	0.00	3.00	0.00	19.67	0.0
			2130	-296.8	0.00	-0.35	0.00	-4.68	0.0
1107	0.000	2	2121	-46.8	0.00	0.56	0.00	3.66	0.0
			2122	-501.0	0.00	2.09	0.00	11.33	0.0
			2125	-251.0	0.00	3.00	0.00	19.67	0.0
			2126	-296.8	0.00	-0.35	0.00	-4.68	0.0
			2129	-251.0	0.00	3.00	0.00	19.67	0.0
			2130	-296.8	0.00	-0.35	0.00	-4.68	0.0
İ	1.003	2	2121	-46.8	0.00	0.56	0.00	4.23	0.0
			2122	-501.0	0.00	2.09	0.00	13.43	0.0
			2125	-251.0	0.00	3.00	0.00	22.68	0.0
			2126	-296.8	0.00	-0.35	0.00	-5.03	0.0
			2129	-251.0	0.00	3.00	0.00	22.68	0.0
			2130	-296.8		-0.35	0.00	-5.03	0.0
1108	0.000	2	2121	-46.8	0.00	0.56	0.00	4.23	0.0
			2122	-501.0		2.09	0.00	13.43	0.0
			2125	-251.0	0.00	3.00	0.00	22.68	0.0
			2126	-296.8	0.00	-0.35	0.00	-5.03	0.0
			2129	-251.0	0.00	3.00	0.00	22.68	0.0
			2130	-296.8		-0.35	0.00	-5.03	0.0
-	1.003	2	2121	-46.8	0.00	0.56	0.00	4.79	0.0
	1.005	-	2122	-501.0	0.00	2.09	0.00	15.53	0.0
			2125	-251.0	0.00	3.00	0.00	25.69	0.0
			2126	-296.8	0.00	-0.35	0.00	-5.38	0.0
			2129	-251.0	0.00	3.00	0.00	25.69	0.0
			2130	-296.8	0.00	-0.35	0.00	-5.38	0.0
1109	0.000	2	2121	-46.8	0.00	0.56	0.00	4.79	0.0
1109	0.000		2121		0.00	2.09	0.00		0.0
			2125	-501.0	0.00		0.00	15.53	0.0
				-251.0	0.00	3.00 -0.35	0.00	25.69 -5.38	0.0
			2126	-296.8					
			2129	-251.0	0.00	3.00	0.00	25.69	0.0
-	1 003	2	2130	-296.8	0.00	-0.35	0.00	-5.38	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	5.35	0.0
			2122	-501.0	0.00	2.09	0.00	17.63	0.0
			2125	-251.0	0.00	3.00	0.00	28.70	0.0
			2126	-296.8	0.00	-0.35	0.00	-5.73	0.0
			2129	-251.0	0.00	3.00	0.00	28.70	0.0
		_	2130	-296.8	0.00	-0.35	0.00	-5.73	0.00
1110	0.000	2	2121	-46.8	0.00	0.56	0.00	5.35	0.00

Model Bruchbemessung Stäbe

Bemessun						I			
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1110	0.000	2	2122	-501.0	0.00	2.09	0.00	17.63	0.00
			2125	-251.0	0.00	3.00	0.00	28.70	0.00
			2126	-296.8	0.00	-0.35	0.00	-5.73	0.00
			2129	-251.0	0.00	3.00	0.00	28.70	0.00
			2130	-296.8	0.00	-0.35	0.00	-5.73	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	5.91	0.00
	1.005	_	2122	-501.0	0.00	2.09	0.00	19.73	0.00
			2125	-251.0	0.00	3.00	0.00	31.71	0.00
			2125	-296.8	0.00	-0.35	0.00	-6.08	0.00
			2129	-251.0	0.00	3.00	0.00	31.71	0.00
1111	0.000	_	2130	-296.8	0.00	-0.35	0.00	-6.08	0.00
1111	0.000	2	2121	-46.8	0.00	0.56	0.00	5.91	0.00
			2122	-501.0	0.00	2.09	0.00	19.73	0.00
			2125	-251.0	0.00	3.00	0.00	31.71	0.00
			2126	-296.8	0.00	-0.35	0.00	-6.08	0.00
			2129	-251.0	0.00	3.00	0.00	31.71	0.00
			2130	-296.8	0.00	-0.35	0.00	-6.08	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	6.47	0.00
			2122	-501.0	0.00	2.09	0.00	21.83	0.00
			2125	-251.0	0.00	3.00	0.00	34.72	0.00
			2126	-296.8	0.00	-0.35	0.00	-6.43	0.00
			2129	-251.0	0.00	3.00	0.00	34.72	0.00
			2130	-296.8	0.00	-0.35	0.00	-6.43	0.00
1112	0.000	2	2121	-46.8	0.00	0.56	0.00	6.47	0.00
	0.000	_	2122	-501.0	0.00	2.09	0.00	21.83	0.00
			2125	-251.0	0.00	3.00	0.00	34.72	0.00
			2126	-296.8	0.00	-0.35	0.00	-6.43	0.00
			2129	-251.0	0.00	3.00	0.00	34.72	0.00
			2130	-296.8	0.00	-0.35	0.00	-6.43	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	7.03	0.00
			2122	-501.0	0.00	2.09	0.00	23.93	0.00
			2125	-251.0	0.00	3.00	0.00	37.73	0.00
			2126	-296.8	0.00	-0.35	0.00	-6.77	0.00
			2129	-251.0	0.00	3.00	0.00	37.73	0.00
			2130	-296.8	0.00	-0.35	0.00	-6.77	0.00
1113	0.000	2	2121	-46.8	0.00	0.56	0.00	7.03	0.00
			2122	-501.0	0.00	2.09	0.00	23.93	0.00
			2125	-251.0	0.00	3.00	0.00	37.73	0.00
			2126	-296.8	0.00	-0.35	0.00	-6.77	0.00
			2129	-251.0	0.00	3.00	0.00	37.73	0.00
			2130	-296.8	0.00	-0.35	0.00	-6.77	0.00
-	1.003	2	2121	-46.8	0.00	0.56	0.00	7.59	0.00
	1.005		2122	-501.0	0.00				0.00
				$\overline{}$		2.09	0.00	26.03	
			2125	-251.0	0.00	3.00	0.00	40.74	0.00
			2126	-296.8	0.00	-0.35	0.00	-7.12	0.00
			2129	-251.0	0.00	3.00	0.00	40.74	0.00
			2130	-296.8	0.00	-0.35	0.00	-7.12	0.00
1114	0.000	2	2121	-46.8	0.00	0.56	0.00	7.59	0.00
			2122	-501.0	0.00	2.09	0.00	26.03	0.00
			2125	-251.0	0.00	3.00	0.00	40.74	0.00
			2126	-296.8	0.00	-0.35	0.00	-7.12	0.00
			2129	-251.0	0.00	3.00	0.00	40.74	0.00
			2130	-296.8	0.00	-0.35	0.00	-7.12	0.00
ļ	1.003	2		-46.8	0.00	0.56	0.00	8.15	0.00
			2122	-501.0	0.00	2.09	0.00	28.13	0.00
			2125	-251.0	0.00	3.00	0.00	43.75	0.00
			2126	-296.8	0.00	-0.35	0.00	-7.47	0.00
			2120	-230.0	0.00	-6.33	0.00	-/.4/	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm
Jeab	\[]	Si.		it[Kit]	Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm
1114	1.003	2	2129	-251.0	0.00	3.00	0.00	43.75	0.0
1114	1.003	2	2130	-296.8	0.00	-0.35	0.00	-7.47	0.0
1115	0.000	2	2121	-46.8	0.00	0.56	0.00	8.15	0.0
1113	0.000	2	2121	-501.0	0.00	2.09	0.00	28.13	0.0
			2125	-251.0	0.00	3.00	0.00	43.75	0.0
-			2125	-296.8	0.00	-0.35	0.00	-7.47	
-			2129						0.6
				-251.0	0.00	3.00	0.00	43.75	0.6
-	1 003	2	2130	-296.8	0.00	-0.35	0.00	-7.47	0.6
-	1.003	2	2121	-46.8	0.00	0.56	0.00	8.71	0.0
			2122	-501.0	0.00	2.09	0.00	30.23	0.0
-			2125	-251.0	0.00	3.00	0.00	46.76	0.0
-			2126	-296.8	0.00	-0.35	0.00	-7.82	0.0
			2129	-251.0	0.00	3.00	0.00	46.76	0.0
1115	0.000		2130	-296.8	0.00	-0.35	0.00	-7.82	0.6
1116	0.000	2	2121	-46.8	0.00	0.56	0.00	8.71	0.6
l			2122	-501.0	0.00	2.09	0.00	30.23	0.0
			2125	-251.0	0.00	3.00	0.00	46.76	0.0
			2126	-296.8	0.00	-0.35	0.00	-7.82	0.0
			2129	-251.0	0.00	3.00	0.00	46.76	0.0
			2130	-296.8	0.00	-0.35	0.00	-7.82	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	9.27	0.0
			2122	-501.0	0.00	2.09	0.00	32.33	0.0
			2125	-251.0	0.00	3.00	0.00	49.77	0.0
			2126	-296.8	0.00	-0.35	0.00	-8.17	0.
			2129	-251.0	0.00	3.00	0.00	49.77	0.
			2130	-296.8	0.00	-0.35	0.00	-8.17	0.
1117	0.000	2	2121	-46.8	0.00	0.56	0.00	9.27	0.
			2122	-501.0	0.00	2.09	0.00	32.33	0.
			2125	-251.0	0.00	3.00	0.00	49.77	0.
			2126	-296.8	0.00	-0.35	0.00	-8.17	0.0
			2129	-251.0	0.00	3.00	0.00	49.77	0.0
L			2130	-296.8	0.00	-0.35	0.00	-8.17	0.0
	1.003	2	2121	-46.8	0.00	0.56	0.00	9.83	0.
			2122	-501.0	0.00	2.09	0.00	34.43	0.
			2125	-251.0	0.00	3.00	0.00	52.78	0.0
			2126	-296.8	0.00	-0.35	0.00	-8.52	0.0
			2129	-251.0	0.00	3.00	0.00	52.78	0.
			2130	-296.8	0.00	-0.35	0.00	-8.52	0.
1118	0.000	2	2121	-46.8	0.00	0.56	0.00	9.83	0.
			2122	-501.0	0.00	2.09	0.00	34.43	0.
			2125	-251.0	0.00	3.00	0.00	52.78	0.
			2126	-296.8	0.00	-0.35	0.00	-8.52	0.0
			2129	-251.0	0.00	3.00	0.00	52.78	0.
L			2130	-296.8	0.00	-0.35	0.00	-8.52	0.
	1.003	2	2121	-46.8	0.00	0.56	0.00	10.39	0.0
			2122	-501.0	0.00	2.09	0.00	36.53	0.
			2125	-251.0	0.00	3.00	0.00	55.79	0.
			2126	-296.8	0.00	-0.35	0.00	-8.87	0.
			2129	-251.0	0.00	3.00	0.00	55.79	0.0
- 1			2130	-296.8	0.00	-0.35	0.00	-8.87	0.0
			24.24	-46.8	0.00	0.56	0.00	10.39	0.0
1119	0.000	2	2121	-40.8					
1119	0.000	2	2121	-501.0	0.00	2.09	0.00	36.53	0.
1119	0.000	2			0.00 0.00	2.09 3.00	0.00	36.53 55.79	
1119	0.000	2	2122	-501.0					0.0
1119	0.000	2	2122 2125	-501.0 -251.0	0.00	3.00	0.00	55.79	0.6 0.6
1119	0.000	2	2122 2125 2126	-501.0 -251.0 -296.8	0.00 0.00	3.00 -0.35	0.00 0.00	55.79 -8.87	0.6 0.6 0.6 0.6

Model Bruchbemessung Stäbe

Bemessun									
Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kNm]
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kNm]
1119	1.003	2	2122	-501.0	0.00	2.09	0.00	38.63	0.00
			2125	-251.0	0.00	3.00	0.00	58.80	0.00
			2126	-296.8	0.00	-0.35	0.00	-9.22	0.00
			2129	-251.0	0.00	3.00	0.00	58.80	0.00
			2130	-296.8	0.00	-0.35	0.00	-9.22	0.00
1120	0.000	2	2121	-46.8	0.00	0.56	0.00	10.95	0.00
			2122	-501.0	0.00	2.09	0.00	38.63	0.00
			2125	-251.0	0.00	3.00	0.00	58.80	0.00
			2126	-296.8	0.00	-0.35	0.00	-9.22	0.00
			2129	-251.0	0.00	3.00	0.00	58.80	0.00
			2130	-296.8	0.00	-0.35	0.00	-9.22	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	11.51	0.00
			2122	-501.0	0.00	2.09	0.00	40.73	0.00
			2125	-251.0	0.00	3.00	0.00	61.81	0.00
			2126	-296.8	0.00	0.35	0.00	-9.57	0.00
			2129	-251.0	0.00	3.00	0.00	61.81	0.00
			2130	-296.8	0.00	-0.35	0.00	-9.57	0.00
1121	0.000	2	2121	-46.8	0.00	0.56	0.00	11.51	0.00
		_	2122	-501.0	0.00	2.09	0.00	40.73	0.00
			2125	-251.0	0.00	3.00	0.00	61.81	0.00
			2126	-296.8	0.00	-0.35	0.00	-9.57	0.00
			2129	-251.0	0.00	3.00	0.00	61.81	0.00
			2130	-296.8	0.00	-0.35	0.00	-9.57	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	12.07	0.00
	1.005	_	2122	-501.0	0.00	2.09	0.00	42.83	0.00
			2125	-251.0	0.00	3.00	0.00	64.82	0.00
			2126	-296.8	0.00	-0.35	0.00	-9.92	0.00
			2129	-251.0	0.00	3.00	0.00	64.82	0.00
			2130	-296.8	0.00	-0.35	0.00	-9.92	0.00
1122	0.000	2	2121	-46.8	0.00	0.56	0.00	12.07	0.00
1122	0.000		2121	-501.0	0.00	2.09	0.00	42.83	0.00
			2125	-251.0	0.00	3.00	0.00	64.82	0.00
			2125	-296.8	0.00	-0.35	0.00	-9.92	0.00
			2129	-251.0	0.00		0.00	64.82	0.00
				-296.8		3.00			
	1 002	2	2130		0.00	-0.35	0.00	-9.92	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	12.64	0.00
				-501.0	0.00	2.09	0.00	44.93	0.00
			2125	-251.0	0.00	3.00	0.00	67.83	0.00
			2126	-296.8	0.00	-0.35		-10.26	0.00
			2129	-251.0	0.00	3.00	0.00	67.83	0.00
1122	0.000		2130	-296.8	0.00	-0.35	0.00	-10.26	0.00
1123	0.000	2	2121	-46.8	0.00	0.56	0.00	12.64	0.00
			2122	-501.0	0.00	2.09	0.00	44.93	0.00
			2125	-251.0	0.00	3.00	0.00	67.83	0.00
			2126	-296.8	0.00	-0.35	0.00	-10.26	0.00
			2129	-251.0	0.00	3.00	0.00	67.83	0.00
<u> </u>	4 000		2130	-296.8	0.00	-0.35	0.00	-10.26	0.00
	1.003	2	2121	-46.8	0.00	0.56	0.00	13.20	0.00
			2122	-501.0	0.00	2.09	0.00	47.03	0.00
			2125	-251.0	0.00	3.00	0.00	70.84	0.00
			2126	-296.8	0.00	-0.35	0.00	-10.61	0.00
			2129	-251.0	0.00	3.00	0.00	70.84	0.00
			2130	-296.8	0.00	-0.35	0.00	-10.61	0.00
1124	0.000	2	2121	-46.8	0.00	0.56	0.00	13.20	0.00
			2122	-501.0	0.00	2.09	0.00	47.03	0.00
			2125	-251.0	0.00	3.00	0.00	70.84	0.00
			2126	-296.8	0.00	-0.35	0.00	-10.61	0.00

Model Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	N[kN]	Vy[kN]	Vz[kN]	Mt[kNm]	My[kNm]	Mz[kN
					Mb[kNm2]	Mtp[kNm]	Mts[kNm]	eMy[kNm]	eMz[kN
1124	0.000	2	2129	-251.0	0.00	3.00	0.00	70.84	0.
		_	2130	-296.8	0.00	-0.35	0.004	-10.61	0.
	1.003	2	2121	-46.8	0.00	0.56	0.00	13.76	0.
		-	2122	-501.0	0.00	2.09	0.00	49.13	0.
		•	2125	-251.0	0.00	3.00	0.00	73.84	0.
			2126	-296.8	0.00	-0.35	0.00	-10.96	0.
			2129	-251.0	0.00	3.00	0.00	73.84	0.
		_	2130	-296.8	0.00	-0.35	0.00	-10.96	0.
1125	0.000	2	2121	-46.8	0.00	0.56	0.00	13.76	0.
			2122	-501.0	0.00	2.09	0.00	49.13	0
		-	2125	-251.0	0.00	3.00	0.00	73.84	0
			2126	-296.8	0.00	-0.35	0.00	-10.96	0.
			2129	-251.0	0.00	3.00	0.00	73.84	0
			2130	-296.8	0.00	-0.35	0.00	-10.96	0
	1.003	2	2121	-46.8	0.00	0.56	0.00	14.32	0
			2122	-501.0	0.00	2.09	0.00	51.23	0
			2125	-251.0	0.00	3.00	0.00	76.85	0
			2126	-296.8	0.00	-0.35	0.00	-11.31	0
			2129	-251.0	0.00	3.00	0.00	76.85	0
			2130	-296.8	0.00	-0.35	0.00	-11.31	0
1126	0.000	2	2121	-46.8	0.00	0.56	0.00	14.32	0
			2122	-501.0	0.00	2.09	0.00	51.23	0
			2125	-251.0	0.00	3.00	0.00	76.85	0
			2126	-296.8	0.00	-0.35	0.00	-11.31	0
			2129	-251.0	0.00	3.00	0.00	76.85	0
		•	2130	-296.8	0.00	-0.35	0.00	-11.31	0
	1.003	2	2121	-46.8	0.00	0.56	0.00	14.88	0
		=	2122	-501.0	0.00	2.09	0.00	53.33	0
			2125	-251.0	0.00	3.00	0.00	79.86	0
		-	2126	-296.8	0.00	-0.35	0.00	-11.66	0
			2129	-251.0	0.00	3.00	0.00	79.86	0
		-	2130	-296.8	0.00	-0.35	0.00	-11.66	0
1127	0.000	2	2121	-46.8	0.00	0.56	0.00	14.88	0
		_	2122	-501.0	0.00	2.09	0.00	53.33	0
		•	2125	-251.0	0.00	3.00	0.00	79.86	0
		•	2126	-296.8	0.00	-0.35	0.00	-11.66	0
		-	2129	-251.0	0.00	3.00	0.00	79.86	0
			2130	-296.8	0.00	-0.35	0.00	-11.66	0
	1.003	2	2121	-46.8	0.00	0.56	0.00	15.44	0
	1.005	-	2122	-501.0	0.00	2.09	0.00	55.43	0
		}	2125	-251.0	0.00	3.00	0.00	82.87	0
			2126	-296.8	0.00	-0.35	0.00	-12.01	0
		-	2129	-251.0	0.00	3.00	0.00	82.87	0
			2130	-296.8	0.00	-0.35	0.00	-12.01	0
1128	0.000	2	2121	-46.8	0.00	0.56	0.00	15.44	0
1120	0.000		2122	-501.0	0.00	2.09	0.00	55.43	0
			2125		0.00	3.00	0.00		0
			2125	-251.0 -296.8	0.00	-0.35	0.00	82.87 -12.01	0
			2129	_			0.00		
				-251.0	0.00	3.00		82.87	0
-	1 003	2	2130	-296.8	0.00	-0.35	0.00	-12.01	0
	1.003	2	2121	-46.8	0.00	0.56	0.00	16.00	0
			2122	-501.0	0.00	2.09	0.00	57.53	0
			2125	-251.0	0.00	3.00	0.00	85.88	0
			2126	-296.8	0.00	-0.35	0.00	-12.36	0
		-	2129	-251.0	0.00	3.00	0.00	85.88	0
			2130	-296.8	0.00	-0.35	0.00	-12.36	0.

primäres Torsionsmoment

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Vy[kN],Vz[kN] Schubkraft

Mtp[kNm]

Model

Bruchbemessung Stäbe

Mt[kNm]	Torsionsmoment	Mts[kNm]	sekundäres Torsionsmoment		
My[kNm],Mz[kNm]	Biegemoment	eMy[kNm],eMz[kNm]	Zusatzmomente aus Imperfektion		

Bemessung Bruchkombination - EuroNorm: OEN EN 1992-1-1:2004 (NA:2011) Stahlbeton- und Spannbetontragwer

Sicherheiten	γ-c,t	γ-с,с	γ-c,s	γ-s,s	γ-s,p	γ-s	Zweiachsige Biegung
Grenzdehnungen	ε-c1	ε-c2	ε-s 1	ε-s2	ε- z 1	ε-z2	STEU-Optionen
	1.50	1.50	1.50	1.15	1.15	1.00	
	-3.50	-2.00¹	$\delta = 1.00^2$	45.00	20.00		PIIA = 39

- Grenzdehnung wird an die Werte der Arbeitslinie angepasst
- 2 Wert wird aus der maximalen Höhe der Druckzone aus dem Umlagerungsgrad δ ermittelt (EN 1992-1-1, 5.5)
- γ-c,t globaler Sicherheitsbeiwert für Beton unter Biegung
- $\gamma\text{-c,c}$ globaler Sicherheitsbeiwert für Beton unter Druckkraft
- γ-c,s globaler Sicherheitsbeiwert für Beton unter Schubbeanspruchung
- γ-s,s globaler Sicherheitsbeiwert für schlaffe Bewehrung
- γ-s,p globaler Sicherheitsbeiwert für Spannstahl
- γ-s globaler Sicherheitsbeiwert für Baustahl
- $\epsilon\text{-c1} \quad \text{Dehnungsbegrenzung Betonrandstauchung}$
- $\epsilon\text{-c2}$ Dehnungsbegrenzung zentrische Betonstauchung
- ϵ -s1 Dehnungsbegrenzung für Druckzonenhöhe x/d die eine symmetrische Bewehrung auslöst
- $\epsilon\text{-s2}$ Dehnungsbegrenzung für Zug bzw. Verfestigung in der Bewehrung
- $\epsilon\text{-z1} \quad \text{absolute Dehnungsbegrenzung für Spannstahl} \\$
- $\epsilon\text{-z2}$ inkrementelle Dehnungsbegrenzung für Spannstahl

Bewehrungsparameter

Mindestbewehrung	g absolut	Grenzwerte für	Druckglieder	Mindestbe	ewehr	ung des	Maximaler	
Biege-Glied	Druck-Glied	e/h	N/Npl	statisch	erf.	Querschnitts	Bewehrungsge	halt
0.13 [o/o]	0.26 [o/o]	3.50 ¹	0.00101	0.00 [0/	′ o]	0.13*Ned/fyd	8.00	[o/o]
¹ Ein Stab wird als I	Druckglied betracht	et wenn die Ausmitte	e/h kleiner und di	e Druckkraft	größer	als diese Grenzwert	e sind	

Längskräfte aus Querkraft werden nicht berücksichtigt

Material Querschnitte mit Brucharbeitslinie mit individuellen Teilsicherheitsbeiwerten Material Bewehrungen mit Brucharbeitslinie mit individuellen Teilsicherheitsbeiwerten

Angesetzte Materialeigenschaften

	-								
	Mat	Anz.	Sicherheits	Max.Druck	bei	Max.Zug	bei	Tension-	Verbund
		Temp	beiwert	-spannung	Dehnung	-spannung	Dehnung	stiffening	faktor
l			[-]	[MPa]	[0/00]	[MPa]	[0/00]	[MPa]	[-]
	1	0	1.500	-20.00	-2.00	0.00	0.00	fc,t = 0.00	
	2	0	1.150	-516.52	-50.00	516.52	50.00		

Erforderliche Bewehrung

Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1001	0.000	1	2121	-46.8		0.00	-0.00	0.00	1.50		nicht r	nachgew.	
			2122	-36089.1	4145.38	0.00	-3.24	-0.35	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.264	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.24	-0.35		-20.0	-6.43		
				Bewehrung	2		-2.95	-0.64		-479.	-128.2		
			2125	-39521.3	-1644.49	0.00	-2.75	-1.00	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.171	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.75	-1.00		-20.0	-14.98		
				Bewehrung	2		-2.58	-1.17		-478.	-234.6		
			2126	-27218.3	9316.83	0.00	-3.50	0.37	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.636	0.812	0.339	1.625²	11.88	2 Z-
				Material	1		-3.50	0.80		-20.0	0.00		
				Bewehrung	2		-3.07	0.37		-479.	74.72		
			2129	-27218.3	9316.83	0.00	-3.50	0.37	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.636	0.812	0.339	1.625²	11.88	2 Z-
				Material	1		-3.50	0.80		-20.0	0.00		
				Bewehrung	2		-3.07	0.37		-479.	74.72		

Model Bruchbemessung Stäbe

Erforderliche Bewehrung

Stab x[m] QNr LF NRd MyRd [kNm] [c/oo] [c/oo] [-]	Z+ Z-
Material Material	Z- Z+
Rezeichnumg	Z- Z+
Bezeichnung E-O E-min E-max T-D O-min O-max N[kN]	Z- Z+
Name	Z- Z+
1001 0.000 1 2130 -39521.3 -1644.49 0.00 0.00 0.00 0.00 0.812 0.812 1.8281 11.88 2 0.812 0.812 1.8281 11.88 2 0.812	Z- Z+
Material 1	Z- Z+
Material 1	Z+
Bewehrung 2	
1.003	
2122 -36269.7 4013.91 0.00 -3.21 -0.38 1.50 1.15 9.99 11.88 1 0.00 0.00 1.288 0.812-0.812 1.827¹ 11.88 2 Material 1 -3.21 -0.38 -20.0 -6.88 Bewehrung 2 -2.93 -0.66 -479132.8 2125 -39581.6 -1600.48 0.00 -2.74 -1.01 1.50 1.15 9.99 11.88 1 0.00 0.00 0.00 -2.206 0.812-0.812 1.828¹ 11.88 2 Material 1 -2.74 -1.01 -20.0 -15.13 Bewehrung 2 -2.57 -1.19 -478237.1 2126 -27675.1 9141.28 0.00 -3.50 0.31 1.50 1.15 9.99 11.88 1 0.00 0.00 0.00 0.663 0.812-0.327 1.625² 11.88 2 Material 1 -3.50 0.73 -20.0 0.00 Bewehrung 2 -3.08 0.31 -479. 62.13	
Material 1	
Material Bewehrung 1 Bewehrung -3.21 -0.38 -20.66 -479132.8 2125 -39581.6 -1600.48 0.00 -2.74 -1.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
2125 -39581.6 -1600.48	
Material 1 -2.74 -1.01 -20.0 -15.13	
Material Bewehrung 1 Bewehrung -2.74 -1.01 -2.00 -15.13 -478237.1 2126 -27675.1 9141.28 0.00 -3.50 0.31 1.50 1.15 9.99 11.88 1 0.663 0.812 -0.327 1.6252 11.88 2 Material 1 -3.50 0.73 -20.0 0.00 Bewehrung -3.50 0.73 -20.0 0.00 -479. 62.13	Z+
Bewehrung 2 -2.57 -1.19 -478237.1	Z-
2126 -27675.1 9141.28 0.00 -3.50 0.31 1.50 1.15 9.99 11.88 1 0.00 0.00 0.663 0.812-0.327 1.6252 11.88 2 Material 1 -3.50 0.73 -20.0 0.00 Bewehrung 2 -3.08 0.31 -479. 62.13	
Material 1 -3.50 0.31 -20.0 0.00 Bewehrung 2 -3.08 0.31 -479 62.13	
Material 1 -3.50 0.73 -20.0 0.00 Bewehrung 2 -3.08 0.31 -479. 62.13	
Bewehrung 2 -3.08 0.31 -479. 62.13	Z-
	7.
2129 -27675.1 9141.28 0.00 -3.50 0.31 1.50 1.15 9.99 11.88 1 0.00 0.00 0.663 0.812+0.327 1.625 ² 11.88 2	
Material 1 -3.50 0.73 -20.0 0.00	
Bewehrung 2 -3.08 0.31 -479. 62.13	
2130 -39581.6 -1600.48	Z+
0.00 0.00 -2.206 0.812 0.812 1.8281 11.88 2	
Material 1 -2.74 -1.01 -20.0 -15.13	
Bewehrung 2 -2.57 -1.19 -478. -237.1	
1002 0.000 1 2121 -46.8 15.44 0.00 -0.00 0.00 1.50 nicht nachgew.	
2122 -36269.7 4013.91 0.00 -3.21 -0.38 1.50 1.15 9.99 11.88 1	
0.00 0.00 1.288 0.812 0.812 1.8271 11.88 2	Z-
Material 1 -3.21 -0.38 -20.0 -6.88	
Bewehrung 2 -2.93 -0.66 -479132.8	7.
2125 -39581.6 -1600.48	
Material 1 -2.74 -1.01 -20.0 -15.13	۷-
2126 -27675.1 9141.28 0.00 -3.50 0.31 1.50 1.15 9.99 11.88 1	Z+
0.00 0.00 0.663 0.812 0.327 1.6252 11.88 2	
Material 1 -3.50 0.73 -20.0 0.00	
Bewehrung 2 -3.08 0.31 -479. 62.13	
2129 -27675.1 9141.28 0.00 -3.50 0.31 1.50 1.15 9.99 11.88 1	
0.00 0.00 0.663 0.812 0.327 1.6252 11.88 2	Z-
Material 1 -3.50 0.73 -20.0 0.00	
Bewehrung 2 -3.08 0.31 -479. 62.13	7
2130 -39581.6 -1600.48	
Material 1 -2.74 -1.01 -20.0 -15.13	
Bewehrung 2 -2.57 -1.19 -478237.1	
1.003	
2122 -36452.1 3881.11 0.00 -3.19 -0.41 1.50 1.15 9.99 11.88 1	
0.00 0.00 1.314 0.812 0.812 1.827 11.88 2	Z+
Material 1 -3.19 -0.41 -20.0 -7.34	
Bewehrung 2 -2.91 -0.69 -479. -137.5	

Model Bruchbemessung Stäbe

Erforderliche Bewehrung

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	1		[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1002	1.003	1	2125	-39642.0	-1556.35	0.00	-2.73	-1.03			9.99	11.88	
					0.00	0.00			0.812		1.828¹	11.88	2 Z-
				Material	1		-2.73				-15.27		
				Bewehrung			-2.56			-478.			
			2126	-28132.5				0.25		1.15	9.99	11.88	
					0.00	0.00			0.812		1.625²	11.88	2 Z-
				Material	1		-3.50			-20.0	0.00		
			2420	Bewehrung			-3.08	0.25		-479.		11 00	4 7
			2129	-28132.5		0.00				1.15		11.88	
				Matarial	0.00	0.00			0.812		1.6252	11.88	2 2-
				Material	1		-3.50	1		-20.0			
			2120	Bewehrung -39642.0			-3.08 -2.73			-479. 1.15		11.88	1 7.
			2130	-39042.0	0.00	0.00			I		1.828 ¹		
				Material	1	0.00	-2.73				-15.27	11.00	2 2-
				Bewehrung			-2.56		l .		-239.6		
1003	0.000	1	2121									nachgew.	
1003	0.000	_		-36452.1		0.00				1.15			1 7+
				3013211	0.00	0.00	3.13				1.827 ¹		
				Material	1		-3.19		01022	-20.0			
				Bewehrung			-2.91	1		-479.			
			2125	-39642.0		0.00	-2.73			1.15	9.99	11.88	1 Z+
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.73				-15.27		
				Bewehrung	2		-2.56	1	ł	-478.			
			2126	-28132.5	8955.62	0.00	-3.50	0.25		1.15	9.99	11.88	1 Z+
					0.00	0.00		0.691	0.812	0.316	1.625²	11.88	2 Z-
				Material	1		-3.50	0.67		-20.0	0.00		
				Bewehrung	2		-3.08	0.25		-479.	49.91		
			2129	-28132.5	8955.62	0.00	-3.50			1.15		11.88	
					0.00	0.00		0.691				11.88	2 Z-
				Material				0.67		-20.0			
				Bewehrung				0.25			49.91		
			2130	-39642.0						1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.73			-20.0			
	4		0151	Bewehrung			-2.56			-478.			
	1.003	1		-46.8					1.50			nachgew.	4 -
			2122	-36636.0			-3.17				9.99		
				Material	0.00						1.827 ¹		2 Z-
				Bewehrung	1		-3.17 -2.90		l .	-20.0	-7.80 -142.3		
			2125	-39702.7						1.15		11.88	1 71
			2123	-55/02.7	0.00	0.00					1.828 ¹		
				Material	1		-2.72				-15.42	11.00	
				Bewehrung			-2.55				-242.1		
			2126	-28593.2						1.15		11.88	1 Z+
					0.00	0.00					1.625 ²	11.88	
				Material	1		-3.50	0.60		-20.0			
				Bewehrung	2		-3.09			-479.			
			2129	-28593.2						1.15		11.88	1 Z+
					0.00	0.00					1.625²	11.88	
				Material	1		-3.50			-20.0	0.00		

Model Bruchbemessung Stäbe

Erforderliche Bewehrung

forder	liche Be	wehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0		ε-max		σ-min			
				Schubschni		ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.09	0.19		-479.	37.98		
			2130	-39702.7	-1512.08	0.00	-2.72	-1.04	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-2.281	0.812	0.812	1.828 ¹	11.88	2 2
				Material	1		-2.72			-20.0			
				Bewehrung	2		-2.55	-1.21		-478.			
1004	0.000	1	2121		14.32	0.00	-0.00	0.00	1.50			nachgew.	
l			2122	-36636.0	3747.20	0.00	-3.17	-0.44	1.50	1.15			1
					0.00	0.00					1.827 ¹	11.88	_
				Material	1		-3.17	-0.44		-20.0			
				Bewehrung	2		-2.90	1		-479.	1		
			2125	-39702.7		0.00	-2.72	-1.04		1.15	9.99	11.88	1 2
					0.00	0.00					1.8281	11.88	_
				Material	1		-2.72			-20.0		11.50	
				Bewehrung	2		-2.55	l .		-478.	1		
			2126	-28593.2		0.00	-3.50	0.19		1.15	9.99	11.88	1
			LILU	2033312	0.00	0.00	3.30				1.625 ²	11.88	_
				Material	1	0.00	-3.50	0.60	0.012	-20.0		11.00	
				Bewehrung	2		-3.09	0.19		-479.	37.98		
			2129	-28593.2		0.00		0.19	1.50		9.99	11.88	1
			2123	20333.2	0.00	0.00	3.30				1.625 ²	11.88	_
				Material	1	0.00	-3.50	0.60	0.012	-20.0	0.00	11.00	
				Bewehrung	2		-3.09	0.19		-479.	37.98		
			2130	-39702.7		0.00	-2.72	-1.04	1.50		9.99	11.88	1 :
			2130	33702.7	0.00	0.00	2.72				1.8281	11.88	_
				Material	1	0.00	-2.72		0.012	-20.0		11.00	
				Bewehrung	2		-2.55	-1.21			-242.1		
	1.003	1	2121		13.76	0.00	-0.00	0.00	1.50			ı nachgew.	
1	1.005	_	2122		3611.92	0.00	-3.15	-0.47	1.50				1
				30021.0	0.00	0.00	3.13				1.8271		_
				Material	1	0.00	-3.15		0.012	-20.0		11.00	
				Bewehrung	2			-0.74			-147.2		
			2125	-39763.4		0.00		-1.06				11.88	1
			2123	33703.4	0.00	0.00					1.8281		_
				Material		0.00	-2.71				-15.57	11.00	_ '
				Bewehrung			-2.54			-478.			
			2126	-29054.3					1.50			11.88	1
			2120	27034.3	0.00	0.00					1.625 ²		_
				Material	1	0.00	-3.50			-20.0		11.00	2 .
				Bewehrung			-3.10		l .	-479.			
			2120	-29054.3	0551 25	0.00						11.88	1 .
			2129	-29054.3		0.00	-3.50		1.50		9.99 1.625 ²		_
				Matanial	0.00	0.00			0.812			11.88	2 .
				Material	1		-3.50	1		-20.0			
			2120	Bewehrung	1467.75		-3.10			-479 .		11 00	1
			2130	-39763.4		0.00			1.50				_
				M-+ 1	0.00	0.00					1.8281	11.88	2 .
				Material	1		-2.71	1	l .		-15.57		
10			0.5.5	Bewehrung	2			-1.22			-244.7		
1005	0.000	1	2121		13.76				1.50			nachgew.	
			2122	-36821.8	3611.92	0.00	-3.15				9.99		_
					0.00	0.00			0.812		1.827¹	11.88	2 2
				Material	1		-3.15	1			-8.27		
				Bewehrung	2		-2.88	-0.74		-479.	-147.2		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]		[0/00]	[0/00]	1		[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi			e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0				σ-min			
				Schubschn	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1005	0.000	1	2125	-39763.4	-1467.75	0.00	-2.71	-1.06	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.321	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.71			-20.0			
				Bewehrung			-2.54	-1.22		-478.	-244.7		
			2126	-29054.3						1.15	9.99	11.88	
					0.00	0.00					1.625²	11.88	2 Z-
				Material	1		-3.50			-20.0	0.00		
				Bewehrung			-3.10			-479.			
			2129	-29054.3						1.15		11.88	
					0.00	0.00					1.6252	11.88	2 Z-
				Material	1		-3.50	1	ł	-20.0	0.00		
				Bewehrung			-3.10			-479.		11 00	4 -
			2130	-39763.4						1.15			
				M-+ 1 7	0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.71		l .		-15.57		
	1 003	1	24.24	Bewehrung			-2.54				-244.7		
	1.003	1	2121									nachgew.	1 7.
			2122	-37009.4		0.00 0.00	-3.13	-0.50		1.15	9.99 1.827 ¹		
				Material	0.00		2 12			-20.0		11.00	2 2-
				Bewehrung	1 2		-3.13 -2.86	1	ł	-479.			
			2125	-39824.4		0.00	-2.69			1.15		11.88	1 7_
			2123	-33624.4	0.00	0.00					1.828 ¹	11.88	
				Material	1	0.00	-2.69				-15.72	11.00	Z Z-
				Bewehrung	2		-2.53	1	ł	-478.	1		
			2126	-29517.2				0.08		1.15		11.88	1 7+
				2327,12	0.00	0.00					1.625 ²	11.88	
				Material	1		-3.50			-20.0			
				Bewehrung	2		-3.10	1		-479.			
			2129	-29517.2						1.15		11.88	1 Z+
					0.00	0.00		0.774				11.88	
				Material				0.47		-20.0			
				Bewehrung	2		-3.10	0.08		-479.	15.13		
			2130	-39824.4	-1423.23	0.00	-2.69	-1.08	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.364	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.69			-20.0			
				Bewehrung			-2.53			-478.			
1006	0.000	1		-46.8					1.50			nachgew.	
			2122	-37009.4			-3.13				9.99		
					0.00						1.827¹		2 Z-
				Material	1		-3.13			-20.0			
			0000	Bewehrung			-2.86				-152.3		
		4	2125	-39824.4						1.15			
				Ma+	0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.69				-15.72		
			2126	Bewehrung -29517.2			-2.53				-247.4	11 00	1 7.
			2126	-2951/.2		0.00 0.00		0.08		1.15	9.99 1.625 ²	11.88 11.88	
				Material	0.00		-3.50	0.774	0.012	-20.0		11.08	Z Z-
				Bewehrung	2		-3.10			-479.			
			2120	-29517.2						1.15		11.88	1 7+
			2123	2,311.2	0.00	0.00	5.50				1.625 ²	11.88	
				Material	1	0.00	-3.50		0.012	-20.0	0.00	11.00	
				, la cel Tal	1		٥٠,٠	0.4/		20.0	0.00		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd			ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0		ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.10	0.08		-479.	15.13		
			2130	-39824.4	-1423.23	0.00	-2.69	-1.08	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.364	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.69	-1.08		-20.0	-15.72		
				Bewehrung	2		-2.53	-1.24		-478.	-247.4		
	1.003	1	2121	-46.8	12.64	0.00	-0.00	0.00				nachgew.	
			2122	-37199.0	3337.21	0.00	-3.10	-0.53		1.15		11.88	
					0.00	0.00		1.435	0.812	0.812	1.8271	11.88	2 Z-
				Material	1		-3.10	-0.53		-20.0	-9.21		
				Bewehrung	2		-2.84	-0.79		-479.	-157.6		
			2125	-39885.6	-1378.58	0.00	-2.68	-1.09	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.409	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.68	-1.09		-20.0	-15.87		
				Bewehrung	2		-2.52	-1.25		-478.	-250.1		
			2126	-29980.3	8104.43	0.00	-3.50	0.02	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.801	0.812	0.270	1.625²	11.88	2 Z-
				Material	1		-3.50	0.41		-20.0	0.00		
				Bewehrung	2		-3.11	0.02		-479.	4.19		
			2129	-29980.3	8104.43	0.00	-3.50	0.02	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.801	0.812	0.270	1.625²	11.88	2 Z-
				Material	1		-3.50	0.41		-20.0	0.00		
				Bewehrung	2		-3.11	0.02		-479.	4.19		
			2130	-39885.6	-1378.58	0.00	-2.68	-1.09	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.409	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.68	-1.09		-20.0	-15.87		
				Bewehrung	2		-2.52	-1.25		-478.	-250.1		
1007	0.000	1	2121	-46.8	12.64	0.00	-0.00	0.00	1.50		nicht ı	nachgew.	
			2122	-37199.0	3337.21	0.00	-3.10	-0.53	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.435	0.812	0.812	1.827¹	11.88	2 Z-
				Material	1		-3.10	-0.53		-20.0	-9.21		
				Bewehrung	2		-2.84	-0.79		-479.	-157.6		
			2125	-39885.6	-1378.57	0.00	-2.68	-1.09	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.409	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.68	-1.09		-20.0	-15.87		
				Bewehrung	2		-2.52	-1.25		-478.	-250.1		
			2126	-29980.3	8104.43	0.00	-3.50	0.02		1.15	9.99	11.88	
					0.00	0.00		0.801	0.812	0.270	1.625²	11.88	2 Z-
				Material	1		-3.50	0.41		-20.0	0.00		
				Bewehrung	2		-3.11	0.02		-479.	4.19		
			2129	-29980.3	8104.43	0.00	-3.50	0.02	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.801	0.812	0.270	1.625²	11.88	2 Z-
				Material	1		-3.50	0.41		-20.0	0.00		
				Bewehrung	2		-3.11	0.02		-479.	4.19		
			2130	-39885.6	-1378.57	0.00	-2.68	-1.09	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.409	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.68	-1.09		-20.0	-15.87		
				Bewehrung	2		-2.52	-1.25		-478.	-250.1		
	1.003	1	2121	-46.8	12.08	0.00	-0.00	0.00	1.50		nicht ı	nachgew.	
			2122	-37390.5	3197.69	0.00	-3.08	-0.56	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00			0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.08	-0.56		-20.0	-9.69		
				Bewehrung	2		-2.83	-0.82		-479.	-163.0		

Bruchbemessung Stäbe

forder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]		[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	E-0	ε-min	ε-max		σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1007	1.003	1	2125	-39946.9	-1333.79	0.00	-2.67	-1.11	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.457	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.67	-1.11		-20.0	-16.02		
				Bewehrung	2		-2.51	-1.26		-478.	-252.8		
			2126	-30445.2	7864.53	0.00	-3.50	-0.03	1.50	1.15	9.99	11.88	
					0.00	0.00		0.829	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50		ł.	-20.0	0.00		
				Bewehrung			-3.11			-479.			
			2129	-30445.2	7864.53	0.00	-3.50	-0.03		1.15		11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-3.50			-20.0	0.00		
				Bewehrung	2		-3.11			-479.			
			2130	-39946.9			-2.67	-1.11		1.15			
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.67			-20.0			
				Bewehrung	2		-2.51	-1.26		-478.			
1008	0.000	1	2121			0.00		0.00				nachgew.	l
			2122	-37390.5		0.00					9.99		
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.08	-0.56	1	-20.0	1		
			2425	Bewehrung			-2.83				-163.0	11 00	4 -
			2125	-39946.9				-1.11		1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.67	1	l .		-16.02		
			2126	Bewehrung -30445.2			-2.51				-252.8	11 00	1 7.
			2126	-30445.2				-0.03		1.15	9.99 1.827 ¹	11.88 11.88	
				Material	0.00	0.00				-20.0		11.88	2 2-
				Bewehrung	2		-3.50 -3.11	1	1	-479.			
			2120	-30445.2			-3.11					11.88	1 7.
			2129	-30445.2	0.00						1.8271		
				Material	1	0.00	-3.50			-20.0		11.00	2 2-
				Bewehrung			-3.11		1	-479.			
			2130	-39946.9			-2.67		1.50			11.88	1 7+
			2130	33340.3	0.00	0.00	2.07				1.8281		
				Material	1	0.00	-2.67				-16.02	11.00	
				Bewehrung			-2.51	-1.26	1		-252.8		
	1.003	1	2121						1.50			nachgew.	
		-	2122			0.00	-3.05	-0.60		1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.05	-0.60			-10.17		
				Bewehrung	2		-2.81		1		-168.7		
			2125	-40008.4				-1.13		1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.66				-16.17		
				Bewehrung	2		-2.50	-1.28		-478.	-255.6		
			2126	-30909.4	7614.60	0.00	-3.50	-0.08		1.15	9.99	11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.50	0.30		-20.0	0.00		
				Bewehrung	2		-3.12	-0.08		-479.	-16.81		
			2129	-30909.4	7614.60	0.00	-3.50	-0.08	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.857	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.30		-20.0	0.00		

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rar
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		E-0	ε-min	ε-max		σ-min			
				Schubschni			D/Dmax		T/Tm		N[kN]		
				Bewehrung	2		-3.12			-479.			
			2130	-40008.4		0.00	-2.66	-1.13	1.50		9.99	11.88	1 2
			2130	1000011	0.00	0.00	2.00				1.828 ¹		_
				Material	1	0.00	-2.66		0.012	-20.0		11.00	
				Bewehrung	2		-2.50	-1.28		-478.	1		
1009	0.000	1	2121		11.52	0.00	-0.00	0.00	1.50			nachgew.	
1009	0.000	_	2122			0.00		-0.60		1.15			1
			2122	-3/384.0	0.00	0.00	-3.05				1.8271		_
				M-+		0.00	2.05		0.812			11.00	2 .
				Material	1		-3.05	-0.60			-10.17		
				Bewehrung	2		-2.81			-479.		11 00	
			2125	-40008.4		0.00	-2.66	-1.13		1.15	9.99		_
					0.00	0.00			0.812		1.8281	11.88	2 :
				Material	1		-2.66	1			-16.17		
				Bewehrung	2		-2.50			-478.			
			2126	-30909.4		0.00	-3.50	-0.08		1.15	9.99	11.88	_
					0.00	0.00			0.812		1.827 ¹	11.88	2 :
				Material	1		-3.50	1		-20.0			
				Bewehrung	2		-3.12	-0.08		-479.	-16.81		
			2129	-30909.4	7614.60	0.00	-3.50			1.15	9.99	11.88	1 :
					0.00	0.00		0.857	0.812	0.812	1.827 ¹	11.88	2 :
				Material	1		-3.50	0.30		-20.0	0.00		
				Bewehrung	2		-3.12	-0.08		-479.	-16.81		
			2130	-40008.4	-1288.85	0.00	-2.66	-1.13	1.50	1.15	9.99	11.88	1 :
					0.00	0.00		-2.508	0.812	0.812	1.828¹	11.88	2 :
				Material	1		-2.66	-1.13		-20.0	-16.17		
				Bewehrung	2		-2.50	-1.28		-478.	-255.6		
	1.003	1	2121	-46.8	10.96	0.00	-0.00	0.00	1.50		nicht n	nachgew.	
			2122	-37779.6	2914.22	0.00	-3.03	-0.63	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		1.553	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-3.03	-0.63		-20.0	-10.66		
				Bewehrung	2		-2.79	-0.87		-479.	-174.5		
			2125	-40070.1	-1243.81	0.00		-1.14				11.88	1
					0.00	0.00					1.828 ¹		_
				Material			-2.64				-16.32		
				Bewehrung				-1.29					
			2126	-31375.9					1.50			11.88	1
					0.00	0.00	2.33				1.8271		_
				Material	1	0.00	-3.50			-20.0		11.50	
				Bewehrung	2		-3.13			-479.			
			2120	-31375.9		-0.00	-3.13		1.50			11.88	1
			2129	6.01015	0.00	0.00	هر.ر				1.8271		_
				Material	1	0.00	-3.50		0.812	-20.0			2 .
								ł			1	1	
			2120	Bewehrung	1242 91		-3.13			-479.			1
			2130	-40070.1		0.00	-2.64		1.50				_
				Mat 1	0.00	0.00	2.55				1.8281		2 .
				Material	1			-1.14			-16.32		
				Bewehrung	2			-1.29			-258.5		
1010	0.000	1	_	-46.8	10.96				1.50			nachgew.	
			2122	-37779.6		0.00	-3.03				9.99		_
					0.00	0.00			0.812		1.827 ¹		2 2
				Material	1			-0.63			-10.66		
				Bewehrung	2		_2 79	-0.87		-479.	-174.5		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
İ				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn		e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1010	0.000	1	2125	-40070.1	-1243.81	0.00	-2.64	-1.14	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.561	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.64	-1.14		-20.0	-16.32		
				Bewehrung	2		-2.49	-1.29		-478.			
			2126	-31375.9	7352.95	0.00	-3.50	-0.13		1.15		11.88	
					0.00	0.00		0.885	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material			-3.50		ł.	-20.0	0.00		
				Bewehrung	2		-3.13	-0.13		-479.			
			2129	-31375.9		0.00	-3.50	-0.13		1.15		11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material			-3.50		ł	-20.0	0.00		
				Bewehrung			-3.13			-479.			
			2130	-40070.1				-1.14		1.15			
					0.00	0.00					1.828¹		2 Z-
				Material			-2.64	l .	l .		-16.32		
				Bewehrung			-2.49				-258.5		
	1.003	1	2121									nachgew.	
			2122	-37977.7		0.00					9.99		
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-3.00	-0.67	1		-11.15		
				Bewehrung	2		-2.76				-180.5		
			2125	-40132.0				-1.16		1.15			
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		1	-1.16	1		-16.47		
				Bewehrung			-2.48				-261.4		
			2126	-31843.0				-0.18		1.15		11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.50	1	l .	-20.0			
				Bewehrung	2		-3.13				-36.72		
				-31843.0		0.00	-3.50	-0.18				11.88	
						0.00					1.8271	11.88	2 Z-
				Material	1		-3.50		1	-20.0			
				Bewehrung			-3.13				-36.72		
			2130	-40132.0			-2.63		1.50			11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.63		1		-16.47		
1011				Bewehrung			-2.48	-1.31			-261.4		
1011	0.000	1		-46.8					1.50			nachgew.	
			2122	-37977.7			-3.00			1.15		11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.00	-0.67	1		-11.15		
			2425	Bewehrung	2		-2.76				-180.5	44 00	4 -
		4	2125	-40132.0			-2.63	-1.16		1.15		11.88	
				Mat 1	0.00	0.00	2 62				1.8281	11.88	2 2-
				Material	1		-2.63			-20.0			
			2426	Bewehrung	7000 20		-2.48			-478.		44.00	4 -
			2126	-31843.0	7080.39		-3.50	-0.18		1.15	9.99	11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.50	0.18	1	-20.0	0.00		
			2155	Bewehrung	2		-3.13	-0.18		-479.			4 -
			2129	-31843.0	7080.39		-3.50	-0.18		1.15	9.99	11.88	
					0.00	0.00			0.812		1.8271	11.88	2 Z-
				Material	1		-3.50	0.18		-20.0	0.00		

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	1	ε-2	ү-с	γ-s	rel		Ran
				[kN]	[kNm]	[kNm]			[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.13	-0.18		-479.	-36.72		
			2130	-40132.0	-1198.58	0.00	-2.63	-1.16	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-2.619	0.812	0.812	1.828¹	11.88	2 2
				Material	1		-2.63			-20.0			
				Bewehrung	2		-2.48	1		-478.			
	1.003	1	2121		9.84	0.00	-0.00	0.00	1.50			nachgew.	
	1.005	-	2122	-38177.0	2624.71	0.00	-2.97	-0.71		1.15		11.88	1 :
			2122	30177.0	0.00	0.00	2.57				1.8271	11.88	_
				Material		0.00	2 07	-0.71	0.812		-11.65	11.00	
-					1		-2.97				ł		
			2425	Bewehrung	2	0.00	-2.74		4 50	-479.		44.00	4
			2125	-40194.1		0.00	-2.62	-1.18				11.88	_
					0.00	0.00			0.812		1.8281	11.88	2 2
				Material	1		-2.62	1			-16.63		
				Bewehrung	2		-2.47	-1.32		-478.			
			2126	-32310.9	6796.82	0.00	-3.50	-0.23	1.50		9.99	11.88	_
					0.00	0.00			0.812	0.812	1.827¹	11.88	2 :
				Material	1		-3.50	0.13		-20.0	0.00		
				Bewehrung	2		-3.14	-0.23		-479.	-46.27		
			2129	-32310.9	6796.82	0.00	-3.50	-0.23	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		0.942	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-3.50	0.13		-20.0	0.00		
				Bewehrung	2		-3.14			-479.	-46.27		
			2130			0.00	-2.62	-1.18	1.50	1.15	9.99	11.88	1 2
				.025.112	0.00	0.00					1.828 ¹	11.88	
				Material	1	0.00	-2.62		0.012	-20.0		11.00	
				Bewehrung	2		-2.47	-1.32		-478.			
1012	0.000	1	2121		9.84	0.00	-0.00		1.50			nachgew.	
1012	0.000	1	2121	-46.8	2624.71	0.00	-2.97	0.00 -0.71	1.50				1 .
			2122	-38177.0			-2.97						
					0.00	0.00			0.812		1.8271	11.88	2 4
				Material	1		-2.97				-11.65		
				Bewehrung	2		-2.74				-186.8		
			2125	-40194.1		0.00	-2.62			1.15		11.88	
					0.00	0.00			0.812		1.8281	11.88	2 2
				Material	1		-2.62				-16.63		
				Bewehrung	2		-2.47	-1.32		-478.	-264.4		
			2126	-32310.9	6796.82	0.00	-3.50	-0.23		1.15	9.99	11.88	1 2
					0.00	0.00		0.942	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-3.50	0.13		-20.0	0.00		
				Bewehrung	2		-3.14			-479.	-46.27		
			2129	-32310.9		0.00	-3.50			1.15	9.99	11.88	1 2
					0.00	0.00					1.827 ¹	11.88	_
				Material	1	3.00	-3.50			-20.0			
				Bewehrung	2		-3.14			-479.			
			2130	-40194.1		0.00	-2.62			1.15		11.88	1
			2130	40194.1	0.00	0.00	-2.02				1.828 ¹	11.88	_
				Motori - 7		0.00	2.62		0.812			11.88	2 4
				Material	1		-2.62				-16.63		
				Bewehrung	2		-2.47				-264.4		
	1.003	1	2121		9.28	0.00	-0.00					nachgew.	
			2122	-38378.8	2477.64	0.00	-2.94				9.99		_
					0.00	0.00			0.812		1.827¹	11.88	2 2
				Material	1		-2.94	-0.75		-20.0	-12.15		
				Bewehrung	2		-2.72	-0.97		470	-193.3		

Bruchbemessung Stäbe

rforder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min			σ-min	σ-max		
				Schubschni		ε-c	D/Dmax	1	1		N[kN]		
1012	1.003	1	2125	-40256.4	-1107.71	0.00	-2.60	-1.20	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.746	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.60	-1.20		-20.0	-16.78		
				Bewehrung	2		-2.46	-1.34		-478.	-267.5		
				-32779.7		0.00	-3.50	-0.28	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.970	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.08		-20.0	0.00		
				Bewehrung	2		-3.14	-0.28		-479.	-55.58		
				-32779.7		0.00	-3.50	-0.28	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.970	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.08		-20.0	0.00		
				Bewehrung	2		-3.14	-0.28		-479.	-55.58		
			2130	-40256.4	-1107.71	0.00	-2.60	-1.20	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.746	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.60	-1.20		-20.0	-16.78		
				Bewehrung	2		-2.46	-1.34		-478.	-267.5		
1013	0.000	1	2121	-46.8	9.28	0.00	-0.00	0.00	1.50		nicht n	nachgew.	
			2122	-38378.8	2477.64	0.00	-2.94	-0.75	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.707	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.94	-0.75		-20.0	-12.15		
				Bewehrung	2		-2.72	-0.97		-479.	-193.3		
			2125	-40256.4	-1107.71	0.00	-2.60	-1.20	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.746	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.60	-1.20		-20.0	-16.78		
				Bewehrung	2		-2.46	-1.34		-478.	-267.5		
			2126	-32779.7	6501.91	0.00	-3.50	-0.28	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.970	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.08		-20.0	0.00		
				Bewehrung	2		-3.14	-0.28		-479.	-55.58		
				-32779.7			-3.50					11.88	
					0.00	0.00		0.970	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.08		-20.0			
				Bewehrung			-3.14				-55.58		
			2130	-40256.4	-1107.71		-2.60		1.50			11.88	1 Z+
					0.00	0.00		-2.746	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.60	-1.20	1		-16.78		
				Bewehrung			-2.46				-267.5		
	1.003	1	2121						1.50			nachgew.	
			2122	-38582.7		0.00	-2.91			1.15		11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-2.91		1		-12.66		
				Bewehrung	2		-2.70				-200.0		
			2125	-40318.9			-2.59			1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.59				-16.93		
				Bewehrung	2		-2.45			-478.			
			2126	-33248.5	6196.40		-3.50			1.15	9.99	11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-3.50		1	-20.0	0.00		
				Bewehrung	2		-3.15	-0.32		-479.	-64.63		
			2129	-33248.5	6196.40		-3.50	-0.32		1.15	9.99	11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.03		-20.0	0.00		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd			ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	∆Vyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.15	-0.32		-479.	-64.63		
			2130	-40318.9	-1062.05	0.00	-2.59	-1.22	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.816	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.59	-1.22			-16.93		
				Bewehrung	2		-2.45	-1.35			-270.7		
1014	0.000	1	2121	-46.8	8.71	0.00	-0.00	0.00				nachgew.	
			2122	-38582.7	2328.98	0.00	-2.91	-0.79		1.15		11.88	
					0.00	0.00		1.770	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.91	-0.79		-20.0	-12.66		
				Bewehrung	2		-2.70	-1.00		-479.	-200.0		
			2125	-40318.9	-1062.05	0.00	-2.59	-1.22	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.816	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.59	-1.22		-20.0	-16.93		
				Bewehrung	2		-2.45	-1.35		-478.	-270.7		
			2126	-33248.5	6196.40	0.00	-3.50	-0.32	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.998	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.03		-20.0	0.00		
				Bewehrung	2		-3.15	-0.32		-479.	-64.63		
			2129	-33248.5	6196.40	0.00	-3.50	-0.32	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.998	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.03		-20.0	0.00		
				Bewehrung	2		-3.15	-0.32		-479.	-64.63		
			2130	-40318.9	-1062.05	0.00	-2.59	-1.22	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.816	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.59	-1.22		-20.0	-16.93		
				Bewehrung	2		-2.45	-1.35		-478.	-270.7		
	1.003	1	2121	-46.8	8.15	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
			2122	-38788.9	2178.67	0.00	-2.88	-0.83		1.15			1 Z+
					0.00	0.00		1.841	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.88	-0.83		-20.0	-13.17		
				Bewehrung	2		-2.67	-1.04		-478.	-207.1		
			2125	-40381.5	-1016.30	0.00	-2.57	-1.24	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.892	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.57	-1.24			-17.08		
				Bewehrung	2		-2.44	-1.37			-273.9		
			2126	-33708.7	5877.81	0.00	-3.48	-0.02		1.15		11.88	1 Z+
					0.00	0.00			0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.48	-0.02		-20.0			
				Bewehrung	2		-3.14	-0.37		-479.	-73.68		
			2129	-33708.7		0.00	-3.48	-0.02		1.15		11.88	
					0.00	0.00			0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.48	1			-0.44		
				Bewehrung	2		-3.14	-0.37		-479.	-73.68		
			2130	-40381.5	-1016.30	0.00	-2.57	-1.24	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.892	0.812		1.828¹	11.88	2 Z-
				Material	1		-2.57	-1.24		-20.0	-17.08		
				Bewehrung	2		-2.44	-1.37		-478.	-273.9		
1015	0.000	1	2121	-46.8	8.15	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
			2122	-38788.9	2178.67	0.00	-2.88				9.99	11.88	1 Z+
					0.00	0.00		1.841	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.88	-0.83		-20.0	-13.17		
				Bewehrung	2		-2.67	-1.04		-478.	-207.1		

Bruchbemessung Stäbe

rforder	liche Be	wehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	E-0	ε-min			σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1015	0.000	1	2125	-40381.5	-1016.30	0.00	-2.57	-1.24	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.892	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.57	-1.24		-20.0	-17.08		
				Bewehrung	2		-2.44	-1.37		-478.			
			2126	-33708.7			-3.48			1.15		11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.48		ł.	-20.0			
				Bewehrung			-3.14			-479.			
			2129	-33708.7			-3.48	-0.02		1.15		11.88	_
					0.00	0.00					1.827¹	11.88	2 Z-
				Material			-3.48			-20.0			
				Bewehrung	2		-3.14			-479.			
			2130	-40381.5			-2.57			1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.57	1	l .		-17.08		
	4 000			Bewehrung	2		-2.44				-273.9		
	1.003	1	2121									nachgew.	4 7
			2122	-38997.2		0.00					9.99		
				M-+	0.00	0.00					1.8271	11.88	2 2-
				Material	1		-2.84	1	ł		-13.68		
			2125	Bewehrung -40445.0	-969 . 83		-2.65 -2.56				-214.6	11.88	1 7.
			2125	-40445.0	0.00	0.00				1.15	9.99 1.828 ¹	11.88	
				Material	1	0.00		-1.26			-17.23	11.00	2 2-
				Bewehrung			-2.43		ł		-277.3		
			2126	-34163.1				-0.08		1.15		11.88	1 7_
			2120	-34103.1	0.00	0.00					1.8271	11.88	
				Material	1		-3.44				-1.59	11.00	
				Bewehrung	2		-3.10				-83.38		
			2129	-34163.1			-3.44					11.88	1 7+
				34103.1				1.064					
				Material	1		-3.44				-1.59		
				Bewehrung			-3.10		1		-83.38		
			2130	-40445.0			-2.56		1.50			11.88	1 Z+
					0.00	0.00					1.828 ¹		
				Material	1		-2.56				-17.23		
				Bewehrung	2		-2.43				-277.3		
1016	0.000	1	2121	-46.8					1.50			nachgew.	
			2122			0.00	-2.84			1.15		11.88	1 Z+
					0.00	0.00		1.920	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.84	-0.88		-20.0	-13.68		
				Bewehrung	2		-2.65	-1.07		-478.	-214.6		
			2125	-40445.0	-969.83		-2.56			1.15		11.88	
					0.00	0.00		-2.976	0.812		1.8281	11.88	2 Z-
				Material	1		-2.56			-20.0			
				Bewehrung	2		-2.43			-478.			
			2126	-34163.1			-3.44			1.15		11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.44	-0.08	1	-20.0			
				Bewehrung	2		-3.10			-479.			
			2129	-34163.1	5547.22		-3.44			1.15		11.88	_
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.44	-0.08		-20.0	-1.59		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd				γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min			
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.10	-0.42		-479.			
			2130	-40445.0	-969.83	0.00	-2.56	-1.26					
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.56		l .		-17.23		
				Bewehrung	2		-2.43	-1.39			-277.3		
	1.003	1	2121		7.03	0.00	-0.00	0.00				nachgew.	
			2122	-39207.7	1873.25	0.00	-2.81	-0.92		1.15		11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-2.81	1			-14.20		
				Bewehrung	2		-2.62	-1.11			-222.4		
			2125	-40506.2	-925.10	0.00	-2.54			1.15	9.99	11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.54	1	ł		-17.38		
				Bewehrung	2		-2.42	-1.40		-478.	-280.6		
			2126	-34629.8	5207.58	0.00	-3.39	-0.14			9.99	11.88	
					0.00	0.00				0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.39	1		-20.0			
				Bewehrung	2		-3.07	-0.47		-479.	-93.65		
			2129	-34629.8	5207.58	0.00	-3.39			1.15	9.99	11.88	
					0.00	0.00		1.105	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.39		1	-20.0			
				Bewehrung	2		-3.07	-0.47		-479.			
			2130	-40506.2	-925.10	0.00	-2.54	-1.28			9.99	11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.54		1		-17.38		
				Bewehrung	2		-2.42			-478.			
1017	0.000	1	2121		7.03		-0.00	0.00				nachgew.	
			2122	-39207.7	1873.25	0.00	-2.81						
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-2.81		1		-14.20		
				Bewehrung	2			-1.11			-222.4		
			2125	-40506.2		0.00	-2.54			1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.54		1		-17.38		
				Bewehrung	2		-2.42			-478.			
			2126	-34629.8	5207.58		-3.39			1.15		11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.39	-0.14	1	-20.0			
				Bewehrung	2		-3.07			-479.			
			2129	-34629.8	5207.58		-3.39			1.15		11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.39		l .	-20.0	1		
			0455	Bewehrung	2		-3.07				-93.65		4 -
			2130	-40506.2	-925.10		-2.54			1.15		11.88	
				M 1 1 3	0.00	0.00	2.5				1.8281	11.88	2 Z-
				Material	1		-2.54	1	ł		-17.38		
	4		2451	Bewehrung	2		-2.42				-280.6		
	1.003	1	2121		6.47	0.00	0.00					nachgew.	4 -
			2122	-39420.4	1718.09	0.00	-2.77				9.99	11.88	
				M 1 1 3	0.00	0.00	2 ==				1.8271	11.88	2 Z-
				Material	1		-2.77	1	1		-14.73		
				Bewehrung	2		-2.59	-1.15		-478.	-230.6		

Bruchbemessung Stäbe

forder	liche Be	wehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		E-0	ε-min			σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1017	1.003	1	2125	-40570.6	-878.04	0.00	-2.53	-1.30	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.163	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.53	-1.30		-20.0	-17.54		
				Bewehrung	2		-2.40	-1.42		-478.	-284.2		
			2126	-35109.5	4858.48	0.00	-3.34	-0.21	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.151	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.34	-0.21		-20.0	-3.97		
				Bewehrung	2		-3.03	-0.52		-479.	-104.6		
			2129	-35109.5	4858.48	0.00	-3.34	-0.21	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.151	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.34	-0.21		-20.0	-3.97		
				Bewehrung	2		-3.03	-0.52		-479.			
			2130	-40570.6	-878.04					1.15			_
					0.00	0.00					1.8281		2 Z-
				Material	1		-2.53		l .		-17.54		
				Bewehrung	2		-2.40				-284.2		
1018	0.000	1		-46.8	6.47							nachgew.	
			2122	-39420.4		0.00					9.99		
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-2.77	-0.97	1		-14.73		
				Bewehrung	2		-2.59				-230.6		
			2125	-40570.6		0.00				1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1			-1.30	l .		-17.54		
				Bewehrung			-2.40				-284.2		
			2126	-35109.5						1.15		11.88	
					0.00						1.827¹	11.88	2 Z-
				Material	1		-3.34		l .		-3.97		
				Bewehrung	2		-3.03				-104.6		
				-35109.5			-3.34					11.88	
					0.00	0.00		1.151				11.88	2 Z-
				Material	1		-3.34		1		-3.97		
				Bewehrung			-3.03				-104.6		
			2130	-40570.6			-2.53		1.50				
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.53		1		-17.54		
				Bewehrung	2		-2.40				-284.2		
	1.003	1		-46.8	5.91				1.50			nachgew.	
			2122	-39635.3	1561.25	0.00	-2.73			1.15		11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-2.73		1		-15.26		
			0000	Bewehrung	2		-2.56				-239.3		4 -
			2125	-40633.7	-831.66		-2.51			1.15		11.88	
					0.00	0.00	2 -				1.8281	11.88	2 Z-
				Material	1		-2.51				-17.69		
			2455	Bewehrung	2		-2.39			-478.			4 -
			2126	-35602.7	4499.50		-3.29			1.15		11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.29	-0.28	1	-20.0			
			2155	Bewehrung	2		-2.99			-479.			4 -
			2129	-35602.7	4499.50		-3.29	-0.28		1.15		11.88	_
				M 1 1 3	0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.29	-0.28		-20.0	-5.21		

Bruchbemessung Stäbe

Erforder	·liche Be	ewehru	ıng										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]		1	[0/00]		[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn			e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0				σ-min			
				Schubschni		ε-c	D/Dmax	Z/Zmax			N[kN]		
				Bewehrung	2		-2.99			-479.	-116.2		
			2130	-40633.7			-2.51	-1.32		1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.270	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.51	-1.32		-20.0	-17.69		
				Bewehrung	2		-2.39	-1.44		-478.	-287.9		
1019	0.000	1	2121	-46.8	5.91	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-39635.3	1561.25	0.00	-2.73	-1.03	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		2.238	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.73	-1.03		-20.0	-15.26		
				Bewehrung	2		-2.56	-1.20		-478.	-239.3		
			2125	-40633.7	-831.66	0.00	-2.51	-1.32	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.270	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.51	-1.32		-20.0	-17.69		
				Bewehrung	2		-2.39	-1.44		-478.	-287.9		
			2126	-35602.7	4499.50	0.00	-3.29	-0.28	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.204	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.29	-0.28		-20.0	-5.21		
				Bewehrung	2		-2.99	-0.58		-479.	-116.2		
			2129	-35602.7	4499.50	0.00	-3.29	-0.28	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.204	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.29	-0.28		-20.0	-5.21		
				Bewehrung	2		-2.99	-0.58		-479.	-116.2		
			2130	-40633.7	-831.66	0.00	-2.51	-1.32	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.270	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.51	-1.32		-20.0	-17.69		
				Bewehrung	2		-2.39	-1.44		-478.	-287.9		
	1.003	1	2121	-46.8	5.35	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-39852.4	1402.78	0.00	-2.69	-1.08	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		2.384	0.812	0.812	1.8271	11.88	2 Z-
				Material	1		-2.69	-1.08		-20.0	-15.79		
				Bewehrung	2		-2.53	-1.24		-478.	-248.6		
			2125	-40691.8	-784.55	0.00	-2.49	-1.34	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.384	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.49	-1.34		-20.0	-17.84		
				Bewehrung	2		-2.38	-1.46		-476.	-291.5		
			2126	-36110.0	4130.22		-3.23			1.15		11.88	
					0.00	0.00		1.267	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.23	-0.36		-20.0			
				Bewehrung	2		-2.95	-0.64		-479.	-128.7		
			2129	-36110.0	4130.22	0.00	-3.23	-0.36	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.267	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.23	-0.36		-20.0	-6.48		
				Bewehrung	2		-2.95	-0.64		-479.	-128.7		
			2130	-40691.8	-784.55	0.00	-2.49			1.15		11.88	1 Z+
					0.00	0.00		-3.384	0.812		1.828¹	11.88	2 Z-
				Material	1		-2.49	1			-17.84		
				Bewehrung	2		-2.38			-476.	-291.5		
1020	0.000	1	2121	-46.8	5.35	0.00	0.00	0.00	1.50			nachgew.	
			2122	-39852.4	1402.78	0.00	-2.69				9.99		1 Z+
					0.00	0.00		2.384	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.69	-1.08			-15.79		
				Bewehrung	2		-2.53	-1.24		-478.	-248.6		

Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn			e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1020	0.000	1	2125	-40691.8	-784.55	0.00	-2.49	-1.34	1.50	1.15	9.99	11.88	
					0.00	0.00		-3.384	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.49	-1.34		-20.0	-17.84		
				Bewehrung	2		-2.38	-1.46			-291.5		
			2126	-36110.0	4130.22	0.00	-3.23	-0.36	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.267	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.23	-0.36		-20.0	-6.48		
				Bewehrung	2		-2.95	-0.64		-479.	-128.7		
			2129	-36110.0	4130.22	0.00	-3.23	-0.36	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.267	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.23	-0.36		-20.0	-6.48		
				Bewehrung	2		-2.95	-0.64		-479.			
			2130	-40691.8			-2.49			1.15			
					0.00	0.00					1.8281		2 Z-
				Material	1		-2.49	1	l .	-20.0	-17.84		
				Bewehrung	2		-2.38				-291.5		
	1.003	1	2121		4.79	0.00	0.00					nachgew.	
			2122	-40071.9	1242.50	0.00					9.99		
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.64	1	1		-16.33		
				Bewehrung	2		-2.49	-1.29		-478.	-258.6		
			2125	-40749.1						1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		1	-1.36	1		-17.98		
				Bewehrung	2		-2.37				-295.2		
			2126	-36631.7				-0.44		1.15		11.88	_
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1			1	1		-7.79		
				Bewehrung	2		-2.90				-142.2		
				-36631.7			-3.17					11.88	
					0.00	0.00		1.340				11.88	2 Z-
				Material	1		-3.17	-0.44			-7.79		
				Bewehrung	2		-2.90				-142.2		
			2130	-40749.1			-2.48		1.50				
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.48		1		-17.98		
4000				Bewehrung	2		-2.37				-295.2		
1021	0.000	1	2121						1.50			nachgew.	1 -
			2122	-40071.9	1242.50		-2.64		1.50			11.88	
				M-+ 1 7	0.00	0.00	2 -				1.8281	11.88	2 Z-
				Material	1		-2.64		1		-16.33		
			2425	Bewehrung	727 00		-2.49				-258.6	44 00	1 -
			2125	-40749.1	-737.88		-2.48			1.15		11.88	
				Matanial	0.00	0.00	2.40				1.8281	11.88	Z Z-
				Material	1		-2.48				-17.98		
			2126	Bewehrung	2750 27		-2.37			-473.		11 00	1 7
			2126	-36631.7	3750.37		-3.17	-0.44		1.15		11.88	
				Mataut - 1	0.00	0.00	2 47				1.8271	11.88	Z Z-
				Material	1		-3.17	-0.44	1	-20.0			
			2120	Bewehrung	2750 27		-2.90			-479.		11 00	1 7
			2129	-36631.7	3750.37		-3.17	-0.44		1.15		11.88	_
				Mataut - 1	0.00	0.00					1.8271	11.88	2 2-
				Material	1		-3.1/	-0.44		-20.0	-7.79		

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd		ε-2	ү-с	γ-s	rel		Ran
				[kN]	[kNm]	[kNm]			[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	Z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0		ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.90	-0.71		-479.	-142.2		
			2130	-40749.1	-737.88	0.00	-2.48	-1.36	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-3.508	0.812	0.812	1.828¹	11.88	2 2
				Material	1		-2.48			-20.0			
				Bewehrung	2		-2.37	-1.48		-473.			
	1.003	1	2121		4.23	0.00		0.00	1.50			nachgew.	
1	1.005	_	2122	-40293.7	1080.47	0.00	-2.59	-1.21		1.15		11.88	1
			2122	-40293.7	0.00	0.00	-2.39				1.828 ¹	11.88	_
				M-+		0.00	2 50		0.012			11.00	2 4
-				Material	1		-2.59	-1.21			-16.87		
				Bewehrung	2		-2.46			-478.			
			2125	-40806.4	-691.12	0.00	-2.46	-1.39			9.99	11.88	_
					0.00	0.00			0.812		1.828¹	11.88	2 2
				Material	1		-2.46	1			-18.13		
				Bewehrung	2		-2.35	-1.49		-470.	-299.0		
			2126	-37167.9	3359.87	0.00	-3.11	-0.53	1.50	1.15	9.99	11.88	1
					0.00	0.00		1.429	0.812	0.812	1.827 ¹	11.88	2 :
				Material	1		-3.11	-0.53		-20.0	-9.13		
				Bewehrung	2		-2.85	-0.78		-479.			
			2129	-37167.9	3359.87	0.00		-0.53	1.50		9.99	11.88	1
				3720773	0.00	0.00	7,7-		0.812			11.88	_
				Material	1	0.00	-3.11	-0.53	0.012	-20.0	-9.13	11.00	_ '
				Bewehrung			-2.85	-0.78		-479.			
			2120		2	0.00	-2.46		1.50			11.88	1 .
			2130	-40806.4	-691.12	0.00	-2.46	-1.39		1.15	9.99		
					0.00	0.00		-3.646	0.812		1.8281	11.88	2 4
				Material	1		-2.46			-20.0			
				Bewehrung	2		-2.35	-1.49		-470.			
1022	0.000	1	2121	-46.8	4.23	0.00		0.00	1.50			nachgew.	
			2122	-40293.7	1080.47	0.00	-2.59	-1.21	1.50				1 2
					0.00	0.00		2.787	0.812	0.812	1.828¹	11.88	2 2
				Material	1		-2.59	-1.21		-20.0	-16.87		
				Bewehrung	2		-2.46	-1.35		-478.	-269.4		
			2125		-691.12	0.00	-2.46			1.15	9.99	11.88	1 2
					0.00	0.00					1.828 ¹	11.88	
				Material	1	2.00	-2.46			-20.0			
				Bewehrung	2		-2.35			-470.			
			2126	-37167.9	3359.87	0.00	-3.11	-0.53		1.15	9.99	11.88	1 .
			2120	-2/10/.9			-3.11						
				Na-4 . 3	0.00	0.00	2 44		0.812		1.8271	11.88	2 4
				Material	1		-3.11	-0.53		-20.0			
				Bewehrung	2		-2.85			-479.	-156.7		
			2129	-37167.9	3359.87	0.00		-0.53		1.15	9.99	11.88	_
					0.00	0.00			0.812		1.827 ¹	11.88	2 2
				Material	1		-3.11	1		-20.0			
				Bewehrung	2		-2.85	-0.78		-479.	-156.7		
			2130	-40806.4	-691.12	0.00	-2.46			1.15		11.88	1 2
					0.00	0.00					1.828 ¹	11.88	_
				Material	1		-2.46				-18.13		
				Bewehrung	2		-2.35	1			-299.0		
	1.003	1	2121	-46.8	3.67	0.00	0.00					nachgew.	
	1.003		2121	-40516.5	917.58	0.00	-2.54					11.88	1 .
			Z122	-40010.5			-2.54						_
				M-4 3	0.00	0.00	2.54		0.812		1.8281	11.88	2 4
				Material	1		-2.54	1			-17.41		
				Bewehrung	2		-2.41	-1.41		-478.	-281.2		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ing									4	
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min			σ-min	σ-max		
				Schubschni	_	ε-c	D/Dmax		l .		N[kN]		
1022	1.003	1	2125	-40864.0	-643.82	0.00	-2.44	-1.41	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.803	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.44	-1.41		-20.0	-18.27		
				Bewehrung	2		-2.34	-1.51		-468.	-303.0		
			2126	-37720.1		0.00	-3.03	-0.62	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.540	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.03	-0.62		-20.0	-10.51		
				Bewehrung	2		-2.79	-0.86		-479.	-172.7		
			2129	-37720.1	2957.56	0.00	-3.03	-0.62	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.540	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.03	-0.62		-20.0	-10.51		
				Bewehrung	2		-2.79	-0.86		-479.	-172.7		
			2130	-40864.0	-643.82	0.00	-2.44	-1.41	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.803	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.44	-1.41		-20.0	-18.27		
				Bewehrung	2		-2.34	-1.51		-468.	-303.0		
1023	0.000	1	2121	-46.8	3.67	0.00	0.00	0.00	1.50		nicht ı	nachgew.	
			2122	-40516.5	917.58	0.00	-2.54	-1.28	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		3.078	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.54	-1.28		-20.0	-17.41		
				Bewehrung	2		-2.41	-1.41		-478.	-281.2		
			2125	-40864.0	-643.82	0.00	-2.44	-1.41	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.803	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.44	-1.41		-20.0	-18.27		
				Bewehrung	2		-2.34	-1.51		-468.	-303.0		
			2126	-37720.1	2957.56	0.00	-3.03	-0.62	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00				0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.03	-0.62		-20.0	-10.51		
				Bewehrung	2		-2.79				-172.7		
				-37720.1			-3.03					11.88	
					0.00	0.00		1.540	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.03		1		-10.51		
				Bewehrung	2		-2.79				-172.7		
			2130	-40864.0			-2.44		1.50				
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.44		1		-18.27		
				Bewehrung	2		-2.34				-303.0		
	1.003	1	2121		3.11				1.50			nachgew.	
			2122	-40734.3	749.98		-2.48			1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.48		1		-17.94		
				Bewehrung	2		-2.37				-294.2		
			2125	-40921.3	-596.54		-2.42	-1.44		1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.42				-18.42		
				Bewehrung	2		-2.32				-307.1		
			2126	-38289.2	2542.94		-2.95	-0.73		1.15		11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-2.95	-0.73	1		-11.93		
				Bewehrung	2		-2.73	-0.95			-190.3		
			2129	-38289.2	2542.94		-2.95	-0.73		1.15		11.88	
					0.00	0.00			0.812		1.8271	11.88	2 Z-
				Material	1		-2.95	-0.73		-20.0	-11.93		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										~
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd				γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	∆Vyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.73	-0.95		-479.	-190.3		
			2130	-40921.3	-596.54	0.00	-2.42	-1.44	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.978	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.42	-1.44		-20.0	-18.42		
				Bewehrung	2		-2.32	-1.54		-465.			
1024	0.000	1	2121	-46.8	3.11	0.00	0.00	0.00				nachgew.	
			2122	-40734.3	749.98	0.00	-2.48	-1.36		1.15		11.88	
					0.00	0.00		3.475	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.48	-1.36		-20.0	-17.94		
				Bewehrung	2		-2.37	-1.47		-474.	-294.2		
			2125	-40921.3	-596.54	0.00	-2.42	-1.44	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.978	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.42	-1.44		-20.0	-18.42		
				Bewehrung	2		-2.32	-1.54		-465.	-307.1		
			2126	-38289.2	2542.95	0.00	-2.95	-0.73	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.682	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.95	-0.73		-20.0	-11.93		
				Bewehrung	2		-2.73	-0.95		-479.	-190.3		
			2129	-38289.2	2542.95	0.00	-2.95	-0.73	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.682	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.95	-0.73		-20.0	-11.93		
				Bewehrung	2		-2.73	-0.95		-479.	-190.3		
			2130	-40921.3	-596.54	0.00	-2.42	-1.44	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.978	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.42	-1.44		-20.0	-18.42		
				Bewehrung	2		-2.32	-1.54		-465.	-307.1		
	1.003	1	2121	-46.8	2.54	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-40938.7	582.12	0.00	-2.42	-1.44		1.15			1 Z+
					0.00	0.00		4.037	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.42	-1.44		-20.0	-18.46		
				Bewehrung	2		-2.32	-1.54		-464.	-308.4		
			2125	-40978.3	-549.26	0.00	-2.40	-1.46	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.179	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.40	-1.46			-18.56		
				Bewehrung	2		-2.31	-1.56		-462.	-311.4		
			2126	-38875.6	2115.43	0.00	-2.86			1.15		11.88	1 Z+
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.86			-20.0	-13.38		
				Bewehrung	2		-2.66	-1.05		-478.	-210.2		
			2129	-38875.6	2115.43	0.00	-2.86			1.15		11.88	
					0.00	0.00		1.873	0.812		1.8281	11.88	2 Z-
				Material	1		-2.86				-13.38		
				Bewehrung	2		-2.66	-1.05		-478.	-210.2		
			2130	-40978.3	-549.26	0.00	-2.40			1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.40	-1.46		-20.0	-18.56		
				Bewehrung	2		-2.31	-1.56		-462.	-311.4		
1025	0.000	1	2121	-46.8	2.54	0.00	0.00	0.00			nicht r	nachgew.	
L			2122	-40938.7	582.12	-0.00	-2.42	-1.44	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		4.037	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.42	-1.44		-20.0	-18.46		
				Bewehrung	2		-2.32	-1.54		-464.	-308.4		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn		e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1025	0.000	1	2125	-40978.3	-549.26	0.00	-2.40	-1.46	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.179	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.40	-1.46			-18.56		
				Bewehrung	2		-2.31	-1.56			-311.4		
			2126	-38875.6			-2.86	-0.85		1.15		11.88	
					0.00	0.00		1.873	0.812		1.8281	11.88	2 Z-
				Material	1		-2.86		1		-13.38		
				Bewehrung			-2.66				-210.2		
			2129	-38875.6		0.00	-2.86	-0.85		1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.86				-13.38		
				Bewehrung	2		-2.66	-1.05			-210.2		
			2130	-40978.3	-549.26			-1.46		1.15			
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.40	-1.46			-18.56		
				Bewehrung	2		-2.31	-1.56			-311.4		
	1.003	1	2121		1.98							nachgew.	
			2122	-41139.1	414.20	0.00					9.99		
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.34	1	1		-18.96		
				Bewehrung	2		-2.26				-324.8		
			2125	-41035.3						1.15			
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		1	-1.49	1		-18.70		
				Bewehrung	2		-2.29				-315.9		
			2126	-39479.9				-0.99		1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		1	-0.99	ł		-14.88		
				Bewehrung	2		-2.58				-233.0		
			2129	-39479.9			-2.76					11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.76		1		-14.88		
				Bewehrung	2		-2.58				-233.0		
			2130	-41035.3			-2.38	-1.49		1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.38		l .		-18.70		
1005	0.000		24.24	Bewehrung	2		-2.29	-1.58			-315.9		
1026	0.000	1	2121		1.98				1.50			nachgew.	1 -
			2122	-41139.1	414.20		-2.34		1.50			11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.34		1		-18.96		
				Bewehrung	2		-2.26				-324.8		
			2125	-41035.3	-501.76		-2.38	-1.49		1.15		11.88	
				M-+ 1 7	0.00	0.00	2 25				1.8281	11.88	2 Z-
				Material	1		-2.38				-18.70		
			2426	Bewehrung	2		-2.29			-459.		44.00	4 7
			2126	-39479.9	1674.66		-2.76	-0.99		1.15		11.88	
				Mataut 1	0.00	0.00					1.8281	11.88	2 2-
				Material	1		-2.76	-0.99	1		-14.88		
			2420	Bewehrung	1674 66		-2.58				-233.0	44 00	1 -
			2129	-39479.9	1674.66		-2.76	-0.99		1.15		11.88	_
				M-+ 1 1	0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.76	-0.99		-20.0	-14.88		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd				γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0		ε-max		σ-min			
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.58	-1.16		-478.	-233.0		
			2130	-41035.3	-501.76	0.00	-2.38	-1.49	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.411	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.38	-1.49			-18.70		
				Bewehrung	2		-2.29	-1.58		-459.	-315.9		
	1.003	1	2121	-46.8	1.42	0.00	0.00	0.00				nachgew.	
			2122	-41338.2	241.09	0.00	-2.25	-1.67		1.15		11.88	
					0.00	0.00		6.903	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.25	-1.67		-20.0	-19.46		
				Bewehrung	2		-2.19	-1.73		-438.	-345.7		
			2125	-41092.2	-453.94	0.00	-2.36	-1.52	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.684	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.36	-1.52		-20.0	-18.84		
				Bewehrung	2		-2.28	-1.60		-455.	-320.7		
			2126	-40102.4	1220.21	0.00	-2.64	-1.15	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		2.591	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.64	-1.15		-20.0	-16.40		
				Bewehrung	2		-2.49	-1.30		-478.	-260.0		
			2129	-40102.4	1220.21	0.00	-2.64	-1.15	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		2.591	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.64	-1.15		-20.0	-16.40		
				Bewehrung	2		-2.49	-1.30		-478.	-260.0		
			2130	-41092.2	-453.94	0.00	-2.36	-1.52	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.684	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.36	-1.52		-20.0	-18.84		
				Bewehrung	2		-2.28	-1.60		-455.	-320.7		
1027	0.000	1	2121	-46.8	1.42	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-41338.2	241.09	0.00	-2.25	-1.67		1.15			1 Z+
					0.00	0.00		6.903	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.25	-1.67		-20.0	-19.46		
				Bewehrung	2		-2.19	-1.73		-438.	-345.7		
			2125	-41092.2	-453.94	0.00	-2.36	-1.52	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.684	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.36		1		-18.84		
				Bewehrung	2		-2.28	-1.60			-320.7		
			2126	-40102.4		0.00	-2.64	-1.15		1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.64		l .		-16.40		
				Bewehrung	2		-2.49	-1.30			-260.0		
			2129	-40102.4	1220.21	0.00	-2.64	-1.15		1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.64				-16.40		
				Bewehrung	2		-2.49				-260.0		
			2130	-41092.2	-453.94	0.00	-2.36			1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.36	-1.52			-18.84		
				Bewehrung	2		-2.28	-1.60		-455.	-320.7		
	1.003	1	2121	-46.8	0.86	0.00	0.00	0.00				nachgew.	
			2122	-41518.3	68.57	0.00	-2.11	-1.86	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		15.880	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.11	-1.86		-20.0	-19.90		
				Bewehrung	2		-2.08	-1.88		-417.	-376.1		

Bruchbemessung Stäbe

forder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0				σ-min			
				Schubschni	_	ε-c	D/Dmax	1	l .		N[kN]		
1027	1.003	1	2125	-41147.4							9.99	11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.34			-20.0			
				Bewehrung	2		-2.26				-325.6		
			2126	-40734.1						1.15		11.88	1 Z+
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.48	-1.36		-20.0	-17.94		
				Bewehrung	2		-2.37	-1.47		-474.	-294.2		
			2129	-40734.1			-2.48	-1.36		1.15		11.88	1 Z+
					0.00	0.00					1.828¹	11.88	_
				Material	1		-2.48				-17.94		
				Bewehrung	2		-2.37				-294.2		
			2130	-41147.4						1.15		11.88	1 Z+
					0.00	0.00					1.828¹		_
				Material	1		-2.34				-18.98		
				Bewehrung	2		-2.26	1	l .		-325.6		
1028	0.000	1	2121		0.86							nachgew.	
		_		-41518.3	68.57	0.00					9.99		1 Z+
					0.00	0.00					1.828¹		
				Material	1		-2.11				-19.90		
				Bewehrung	2		-2.08	1	1		-376.1		
			2125	-41147.4						1.15		11.88	1 Z+
					0.00	0.00					1.828¹	11.88	
				Material	1			-1.55			-18.98		
				Bewehrung	2		-2.26		1		-325.6		
			2126	-40734.1	750.17	0.00		-1.36		1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1			-1.36			-17.94		
				Bewehrung	2		-2.37		1		-294.2		
			2129	-40734.1	750.17	0.00	-2.48	-1.36			9.99	11.88	1 Z+
								3.474					2 Z-
				Material	1		-2.48				-17.94		
				Bewehrung	2		-2.37	-1.47		-474.	-294.2		
			2130	-41147.4		0.00	-2.34		1.50			11.88	1 Z+
					0.00	0.00					1.828¹		
				Material	1		-2.34	-1.55		-20.0	-18.98		
				Bewehrung	2		-2.26				-325.6		
	1.003	1	2121						1.50			nachgew.	
		ļ	2122		-105.28					1.15			1 Z+
					0.00	0.00		-11.81	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.15				-19.81		
				Bewehrung	2		-2.11	-1.84		-422.	-368.0		
			2125	-41203.4	-359.21		-2.31	-1.58	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-5.397	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.31	-1.58		-20.0	-19.12		
				Bewehrung	2		-2.24	-1.65		-448.	-330.9		
			2126	-41311.2	265.13	0.00	-2.26	-1.65	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00				0.812	1.8281	11.88	2 Z-
				Material	1		-2.26				-19.39		
				Bewehrung	2		-2.20		1		-342.4		
			2129	-41311.2	265.13		-2.26				9.99	11.88	1 Z+
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1			-1.65			-19.39		

Bruchbemessung Stäbe

	liche Be			1		I				1			
Stab	x[m]	QNr	LF	NRd	MyRd		1	1			rel	As	Ran
				[kN]	[kNm]			[0/00]		[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	1	e+		Z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]		[m]		
				Bezeichnur		ε-0		1		σ-min			
				Schubschni			D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.20				-342.4		
			2130	-41203.4	-359.21	0.00	-2.31	-1.58	1.50	1.15	9.99	11.88	1 2
					0.00	0.00				0.812	1.828¹	11.88	2 2
				Material	1		-2.31	-1.58		-20.0	-19.12		
				Bewehrung	2		-2.24	-1.65		-448.	-330.9		
1029	0.000	1	2121	-46.8	0.30	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-41483.1	-105.28	0.00	-2.15	-1.81	1.50	1.15	9.99	11.88	1
					0.00	0.00		-11.81	0.812	0.812	1.828 ¹	11.88	2
				Material	1		-2.15	-1.81		-20.0	-19.81		
				Bewehrung	2		-2.11	-1.84		-422.	-368.0		
				-41203.4	-359.21	0.00	-2.31	-1.58	1.50	1.15	9.99	11.88	1
					0.00	0.00					1.828 ¹	11.88	2
				Material	1		-2.31				-19.12		
				Bewehrung	2		-2.24				-330.9		
			2126	-41311.2	265.13			-1.65		1.15		11.88	1
				_	0.00	0.00					1.828 ¹	11.88	_
				Material	1		-2.26				-19.39		
				Bewehrung	2		-2.20	1			-342.4		
			2129	-41311.2	265.13	0.00				1.15		11.88	1
				.131111	0.00	0.00					1.828 ¹	11.88	_
				Material	1	0.00	-2.26				-19.39	11.00	
				Bewehrung	2		-2.20		l .		-342.4		
			2130	-41203.4		0.00				1.15		11.88	1
			2130	71203.7	0.00	0.00					1.8281	11.88	_
				Material	1	0.00	-2.31				-19.12	11.00	
				Bewehrung	2		-2.24				-330.9		
	1.003	1	2121									nachgew.	
	1.005			-41297.6		0.00					9.99		1
			2122	-41237.0	0.00	0.00					1.8281		
				Material	1			-1.64			-19.36		
				Bewehrung				-1.70					
				-41257.7			-2.21			1.15		11.88	1
			2125	-41257.7		*	-2.29				1.828 ¹	11.88	_
				Matania 1	0.00	0.00	2 20					11.00	2
				Material	1		-2.29				-19.26		
			2126	Bewehrung	2 220 20		-2.22				-336.5	11 00	1
			2126	-41351.4			-2.24			1.15		11.88	
				Mataut - 1	0.00	0.00	2.24				1.8281	11.88	2
				Material	1		-2.24				-19.49		
			2420	Bewehrung	2		-2.18				-347.3	22 ch 22:	
			2129		-0.26				1.50			nachgew.	
			ZT30	-41297.6	-277.17	0.00	-2.27			1.15			_
				Mat	0.00	0.00	2 27				1.8281	11.88	2
				Material	1		-2.27				-19.36		
1032	0.000		24.24	Bewehrung	2		-2.21				-340.8		
1030	0.000	1	2121		-0.26							nachgew.	_
			2122	-41297.6	-277.17	0.00	-2.27			1.15			
					0.00	0.00					1.8281	11.88	2
				Material	1		-2.27	1			-19.36		
			4	Bewehrung	2		-2.21				-340.8		
			2125	-41257.7	-312.16		-2.29			1.15		11.88	_
					0.00	0.00			0.812		1.828¹	11.88	2 2
				Material	1		-2.29				-19.26		
				Bewehrung	2		-2.22	-1.68		-444.	-336.5		

Bruchbemessung Stäbe

forder	liche Be	wehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	1
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min			σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1030	0.000	1	2126	-41351.4	-229.30	0.00	-2.24	-1.68	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-7.124	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.24	-1.68		-20.0	-19.49		
				Bewehrung	2		-2.18	-1.74		-437.	-347.3		
			2129	-46.8	-0.26	0.00	0.00	0.00	1.50		nicht ı	nachgew.	
			2130	-41297.6	-277.17	0.00	-2.27	-1.64	1.50	1.15	9.99	11.88	1 Z-
					0.00	0.00		-6.329	0.812	0.812	1.828¹	11.88	2 Z
				Material	1		-2.27	-1.64		-20.0	-19.36		
				Bewehrung	2		-2.21	-1.70		-441.	-340.8		
	1.003	1	2121	-46.8	-0.82	0.00	0.00	0.00	1.50		nicht ı	nachgew.	
			2122	-41099.0	-448.18	0.00	-2.36	-1.52	1.50	1.15	9.99	11.88	1 Z-
					0.00	0.00		-4.720	0.812	0.812	1.828 ¹	11.88	2 Z
				Material	1		-2.36				-18.86		
				Bewehrung	2		-2.27	1	ł		-321.3		
			2125	-41314.4						1.15		11.88	1 Z
					0.00	0.00				0.812	1.828 ¹	11.88	2 Z
				Material	1		-2.26	-1.65		-20.0	-19.40		
				Bewehrung	2		-2.20	-1.71		-440.	-342.8		
			2126	-40776.4						1.15		11.88	1 Z
					0.00	0.00					1.828¹		_
				Material	1		-2.47				-18.05		
				Bewehrung				-1.48			-297.0		
			2129									nachgew.	
				-41099.0		0.00					9.99		1 Z
					0.00	0.00					1.828 ¹		
				Material	1		-2.36	-1.52			-18.86		
				Bewehrung	2		-2.27		ł		-321.3		
1031	0.000	1	2121		-0.82	0.00						nachgew.	
				-41099.0		0.00		-1.52		1.15			1 Z
					0.00	0.00					1.828¹		
				Material	1						-18.86		
				Bewehrung	2		-2.27	1			-321.3		
			2125	-41314.4		,	-2.26			1.15		11.88	1 Z
					0.00	0.00					1.828¹	11.88	_
				Material	1		-2.26				-19.40		
				Bewehrung	2		-2.20	1	1		-342.8		
			2126	-40776.4	-715.63		-2.47	-1.38		1.15		11.88	1 Z
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.47				-18.05		
				Bewehrung	2		-2.36	1			-297.0		
		-	2129		-0.82							nachgew.	
			2130		-448.18	0.00				1.15		11.88	1 Z
					0.00	0.00					1.828 ¹		_
				Material	1		-2.36				-18.86		
				Bewehrung	2		-2.27	1	ł		-321.3		
	1.003	1	2121		-1.38	0.00	0.00					nachgew.	
			2122		-617.81	0.00	-2.43			1.15			1 Z
					0.00	0.00					1.828 ¹		
				Material	1		-2.43				-18.35		
				Bewehrung	2		-2.33		1	-466.			
			2125	-41367.8	-214.44	0.00	-2.23	-1.69		1.15		11.88	1 Z
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.23	-1.69			-19.53		

Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng									4	
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	1
				ΔNi	ΔVyi	ΔVzi	yn		e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.18	-1.75		-435.	-349.5		
			2126	-40148.9	-1186.29	0.00	-2.63	-1.17	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.635	0.812		1.828¹	11.88	2 Z-
				Material	1		-2.63	-1.17			-16.52		
				Bewehrung			-2.48				-262.2		
			2129			0.00	0.00				_	nachgew.	
			2130	-40895.6		0.00	-2.43			1.15			
					0.00	0.00						11.88	2 Z-
				Material	1		-2.43		ł		-18.35		
				Bewehrung	2		-2.33				-305.2		
1032	0.000	1	2121		-1.38	0.00	0.00		1.50			nachgew.	
			2122	-40895.6		0.00	-2.43	-1.43					
					0.00	0.00			0.812		1.828¹	11.88	2 Z-
				Material	1		-2.43				-18.35		
				Bewehrung	2		-2.33			-466.			
			2125	-41367.8	-214.44	0.00	-2.23						
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.23				-19.53		
				Bewehrung	2		-2.18	_		-435.			
			2126	-40148.9		0.00	-2.63				9.99		
					0.00	0.00			0.812		1.828¹	11.88	2 Z-
				Material	1		-2.63	1			-16.52		
				Bewehrung	2		-2.48				-262.2		
			2129		-1.38	0.00						nachgew.	I
			2130	-40895.6	-617.80	0.00	-2.43						
					0.00	0.00						11.88	2 Z-
				Material	1		-2.43				-18.35		
	4 000	4	24.24	Bewehrung	2	0.00	-2.33				-305.2		
	1.003	1	2121									nachgew.	4 7
				-40690.6	-785.52	0.00		-1.34	1.50	1.15	9.99	11.88 11.88	
					0.00	0.00		1				11.88	2 2-
				Material	1		-2.49				-17.83		
			24.25	Bewehrung	2	0.00	-2.38				-291.4		1 7.
			2125	-41420.0			-2.20						
				Matarial	0.00	0.00	2 20				1.8281	11.88	2 2-
				Material	1		-2.20				-19.66		
			2120	Bewehrung -39525.0	1641 76	0.00	-2.15			-430.		11.88	1 7.
			2126	-39525.0			-2.75				9.99 1.828 ¹		
				Matanial	0.00	0.00	_2 75				-14.99	11.88	Z Z-
				Material	1		-2.75	ł			-14.99		
			2120	Bewehrung -41420.0	166.24	0.00	-2.58					11.88	1 7.
			2129	-41420.0	-166.34	0.00	-2.20				1.828 ¹		1
				Material	0.00	0.00	_2 20				-19.66	11.88	Z Z-
				Bewehrung	1		-2.20				-356.9		
			2120	-39525.0	-16/1 76	0.00	-2.15 -2.75					11.88	1 7.
			2130	-33323.0			-2.75				1.8281		
				Matanial	0.00	0.00	_2 75				-14.99	11.88	Z Z-
				Material	1		-2.75		ł		1		
1033	0.000	1	2121	Bewehrung -46.8	-1.94	0.00	-2.58 0.00				-234.8	nachgew.	
1033	0.000	1				0.00	-				9.99		1 7:
			2122	-40690.6	-785.52	0.00	-2.49				1.828 ¹		
				Matanial	0.00	0.00	-2 40						2 2-
				Material	1		-2.49	-1.34		-20.0	-17.83		

Model Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	1	ε-max	τ-b	σ-min			
				Schubschni		ε-c	D/Dmax		T/Tm		N[kN]		
				Bewehrung	2		-2.38			-476.			
			2125	-41420.0	-166.34	0.00	-2.20	-1.74	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-8.739	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.20			-20.0			
				Bewehrung	2		-2.15	1		-430.			
			2126	-39525.0		0.00		-1.00	1.50		9.99	11.88	1 Z+
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.75				-14.99		
				Bewehrung	2		-2.58				-234.8		
			2129	-41420.0		0.00		_	1.50			11.88	1 7+
					0.00	0.00					1.828 ¹	11.88	
				Material	1	3,00	-2.20		0.022		-19.66		
				Bewehrung	2		-2.15				-356.9		
			2130	-39525.0		0.00		-1.00		1.15		11.88	1 7+
			2130	33323.0	0.00	0.00					1.8281		
				Material	1	0.00		-1.00	0.012		-14.99	11.00	
				Bewehrung	2		-2.58				-234.8		
-	1.003	1	2121									l nachgew.	
	1.005			-40470.2		0.00						11.88	1 7.
			2122	-40470.2		0.00					1.828 ¹		
				M-+:	0.00	0.00			0.812			11.88	2 2-
				Material	1		-2.55				-17.30		
			2425	Bewehrung	2		-2.42				-278.6	44.00	4 7
			2125	-41470.5		0.00	-2.16					11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.16				-19.78		
				Bewehrung	2		-2.12				-365.5		
			2126	-38919.4	_					1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1			-0.86			-13.49		
				Bewehrung				-1.06			-211.7		
			2129	-41470.5	-117.86	0.00	-2.16	-1.79	1.50	1.15	9.99		
					0.00	0.00		-10.95			1.828¹	11.88	2 Z-
				Material			1	-1.79			-19.78		
				Bewehrung	2		-2.12	-1.83		-424.	-365.5		
			2130	-38919.4	-2083.54	0.00	-2.86	-0.86	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.86	-0.86		-20.0	-13.49		
				Bewehrung	2		-2.66	-1.06		-478.	-211.7		
1034	0.000	1	2121	-46.8	-2.50	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-40470.2	-951.47	0.00	-2.55	-1.26	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.011	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.55				-17.30		
				Bewehrung	2		-2.42	1			-278.6		
			2125	-41470.5	-117.86					1.15		11.88	1 Z+
	1				0.00	0.00					1.828 ¹		
				Material	1			-1.79			-19.78		
				Bewehrung	2		1	-1.83			-365.5		
	4		2126	-38919.4								11.88	1 7+
				30313.4	0.00	0.00					1.8281	11.88	
				Material	1	0.00		-0.86	0.012		-13.49	11.00	
				Bewehrung	2			-1.06			-211.7		
				peweill uilg			-2.00	-1.00		-4/0.	2211./		

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]		[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0		1	1	σ-min			
				Schubschni			D/Dmax		T/Tm		N[kN]		
1034	0.000	1	2129	-41470.5			-2.16		1.50		9.99	11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.16			-20.0			
			0420	Bewehrung	2		-2.12			-424.		11.00	
			2130	-38919.4						1.15	9.99	11.88	
				M-+	0.00	0.00			0.812		1.8281	11.88	2 2-
				Material	1		-2.86				-13.49		
	1.003	1	2121	Bewehrung -46.8			-2.66 0.00				-211.7	l nachgew.	
	1.003	1		-40246.6		0.00	+	_		-			1 7.
			2122	-40240.0	0.00	0.00					1.828 ¹		
				Material	1	0.00	-2.60		0.812		-16.75	11.00	2 2-
				Bewehrung	2		-2.46			-478.			
			2125	-41517.7	1	0.00				1.15	9.99	11.88	1 74
			212)	71317.7	0.00	0.00					1.8281	11.88	
				Material	1	0.00		-1.85	0.012		-19.89	11.00	
				Bewehrung	2		-2.08	1			-375.9		
			2126	-38331.6		0.00		-0.74		1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-2.95				-12.03		
				Bewehrung	2		-2.73	1	ł		-191.7		
			2129	-41517.7	-69.21	0.00				1.15		11.88	1 Z+
					0.00	0.00		-15.78	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.11	-1.85		-20.0	-19.89		
				Bewehrung	2		-2.08	-1.88		-417.	-375.9		
			2130	-38331.6	-2511.99	0.00	-2.95	-0.74	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.694	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.95	-0.74	1		-12.03		
				Bewehrung				-0.96			-191.7		
1035	0.000	1	2121				0.00		1.50			nachgew.	
			2122	-40246.6			-2.60					11.88	
					0.00	0.00					1.828¹	11.88	2 Z
				Material	1		1	-1.19	1		-16.75		
				Bewehrung				-1.34					
			2125	-41517.7							9.99	11.88	
				M-+ 1 7	0.00	0.00			0.812		1.8281	11.88	2 Z·
				Material	1		-2.11	1			-19.89		
			2120	Bewehrung	2511 00			-1.88			-375.9	11 00	1 7
			2126	-38331.6				-0.74				11.88	
				Mataut - 1	0.00	0.00					1.8271	11.88	2 2
				Material	1		-2.95	-0.74 -0.96	1		-12.03 -191.7		
			2120	Bewehrung -41517.7	-69.21							11.88	1 7
			2129	-4151/./	0.00	0.00					9.99 1.828 ¹		
				Material	1	0.00	-2.11		0.012		-19.89	11.88	2 2.
				Bewehrung	2			-1.88			-375.9		
			21.20	-38331.6					1.50			11.88	1 7
			2130	-1011.0	0.00	0.00					1.8271		
				Material	1	0.00	-2.95				-12.03	11.00	
				Bewehrung	2		-2.73				-12.03		
	1.003	1	2121						1.50			nachgew.	
	1.003		-141	70.8	ر کا کا	0.00	0.00	0.00	1.50		1111111	iaciigew.	

Bruchbemessung Stäbe

forder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1035	1.003	1	2122	-40025.3	-1276.56	0.00	-2.65	-1.13	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.522	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.65	-1.13		-20.0	-16.21		
				Bewehrung	2		-2.50	-1.28		-478.	-256.4		
			2125	-41557.5	-20.52	0.00	-2.04	-1.94	1.50	1.15	9.99	11.88	
					0.00	0.00		-39.65	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.04	-1.94	1		-19.98		
				Bewehrung	2		-2.03	-1.95		-407.	-390.4		
			2126	-37761.3	-2927.56	0.00	-3.03	-0.63	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.549	0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.03	-0.63		-20.0	-10.61		
				Bewehrung	2		-2.79	-0.87			-173.9		
			2129	-41557.5	-20.52					1.15		11.88	1 Z+
					0.00	0.00				0.812	1.8281	11.88	2 Z-
				Material	1		-2.04	-1.94		-20.0	-19.98		
				Bewehrung	2		-2.03			-407.			
			2130	-37761.3	-2927.56					1.15			
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.03		1		-10.61		
				Bewehrung		$\overline{}$	-2.79				-173.9		
1036	0.000	1	2121			0.00						nachgew.	
			2122	-40025.3		0.00					9.99		
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1			-1.13	ł		-16.21		
				Bewehrung	2		-2.50				-256.4		
			2125	-41557.5				1	I	1.15	I	11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1			-1.94	1		-19.98		
				Bewehrung	2			-1.95			-390.4		
				-37761.3			-3.03					11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1 2		-3.03		1		-10.61		
				Bewehrung			-2.79				-173.9	11 00	4 -
			2129	-41557.5			-2.04			1.15		11.88	
					0.00	0.00	2.04				1.8281	11.88	2 2-
				Material	1		-2.04		1		-19.98		
			2420	Bewehrung	_		-2.03				-390.4	44 00	4 7
			2130	-37761.3			-3.03			1.15		11.88	
				Mataut - 1	0.00	0.00	2 02				1.8271	11.88	Z Z-
				Material	1		-3.03		l .		-10.61		
	1 002		2424	Bewehrung				-0.87			-173.9		
	1.003	1		-46.8	-4.19				1.50			nachgew.	1 7.
			2122	-39806.3		0.00	-2.70				9.99	11.88	
				Matanial	0.00	0.00	2 70				1.8271	11.88	Z Z-
				Material	1		-2.70				-15.68		
			2125	Bewehrung	20 20			-1.23			-246.6	11 00	1 7
			2125	-41552.1	28.28		-2.06			1.15	9.99 1.828 ¹	11.88	
				Matanial	0.00	0.00						11.88	
				Material	1		-2.06		1		-19.97		
			2126	Bewehrung	-3330 76		-2.04			-409.		11.88	1 7
			2120	-37207.8		0.00	-3.10			1.15	9.99 1.827 ¹	11.88	_
				Material	0.00	0.00		-0.53		-20.0		11.88	2 2-
				LIQ CEL TOT	1		-2.10	-0.53		-20.0	-9.23		

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	1	1	ı	ү-с	γ-s	rel		Ran
				[kN]	[kNm]		[0/00]		[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0	ε-min	ε-max	τ-b	σ-min			
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.84	-0.79		-479.	-157.9		
			2129	-41552.1	28.28	0.00	-2.06	-1.92	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		30.697	0.812	0.812	1.8281	11.88	2 Z
				Material	1		-2.06	-1.92		-20.0	-19.97		
				Bewehrung	2		-2.04	1		-409.			
			2130	-37207.8			-3.10		1.50	1.15		11.88	1 Z
					0.00	0.00					1.827 ¹	11.88	_
				Material	1	0.00	-3.10		0.022	-20.0			
				Bewehrung	2		-2.84			-479.			
1037	0.000	1	2121			0.00	0.00	_	1.50			nachgew.	
1037	0.000	1	2121			0.00			1.50			11.88	1 7
			2122	-39800.3			-2.70						
				M-+	0.00	0.00	2 = 5		0.812		1.8271	11.88	2 Z
				Material	1		-2.70				-15.68		
				Bewehrung	2		-2.53				-246.6		
			2125	-41552.1	28.28	0.00	-2.06					11.88	_
					0.00	0.00		30.697	0.812	0.812	1.8281	11.88	2 Z
				Material	1		-2.06	-1.92		-20.0	-19.97		
				Bewehrung	2		-2.04	-1.94		-409.	-387.6		
			2126	-37207.8	-3330.76	0.00	-3.10	-0.53	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-1.437	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-3.10			-20.0			
				Bewehrung	2		-2.84			-479.			
			2129		28.28	0.00	-2.06	-1.92	1.50		9.99	11.88	1 7
			2123	41332.1	0.00	0.00	2.00				1.8281	11.88	
				Material	1	0.00	-2.06		0.812	-20.0		11.00	2 2
			2422	Bewehrung	2		-2.04		4 50	-409.	-387.6	11 00	
			2130	-37207.8	_		-3.10		1.50		9.99	11.88	
					0.00	0.00			0.812		1.827¹	11.88	2 Z
				Material	1		-3.10	1		-20.0			
				Bewehrung	2		-2.84	-0.79		-479.	-157.9		
	1.003	1	2121	-46.8	-4.75	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-39589.7	-1594.55	0.00	-2.74	-1.01	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-2.210	0.812	0.812	1.8271	11.88	2 2
				Material	1		-2.74	-1.01		-20.0	-15.15		
				Bewehrung	2		-2.57				-237.4		
			2125	-41510.5	_		-2.12	-1.84		1.15		11.88	1 7
					0.00						1.8281	11.88	
				Material	1	0.00	-2.12		0.012		-19.88	11.00	_ ′
				Bewehrung				-1.87			-374.1		
			2126		2722 11							11 00	1 -
			2176	-36670.5			-3.17			1.15		11.88	_
					0.00	0.00	-		0.812		1.8271	11.88	2 2
				Material	1		-3.17	-0.44		-20.0	-7.89		
					1								
				Bewehrung	2			-0.72			-143.2		
			2129		76 . 97		-2.89 -2.12	-1.84	1.50	1.15	9.99	11.88	_
	•		2129	Bewehrung	2			-1.84	1.50	1.15		11.88 11.88	_
			2129	Bewehrung	76 . 97	0.00	-2.12	-1.84	1.50 0.812	1.15 -0.812	9.99		_
			2129	Bewehrung -41510.5 Material	76.97 0.00 1	0.00	-2.12 -2.12	-1.84 14.643 -1.84	1.50 0.812	1.15 -0.812 -20.0	9.99 1.828 ¹ -19.88		_
				Bewehrung -41510.5 Material Bewehrung	2 76.97 0.00 1 2	0.00 0.00	-2.12 -2.12 -2.09	-1.84 14.643 -1.84 -1.87	1.50 0.812	1.15 -0.812 -20.0 -418.	9.99 1.828 ¹ -19.88 -374.1	11.88	2 Z
				Bewehrung -41510.5 Material	2 76.97 0.00 1 2 -3722.11	0.00 0.00	-2.12 -2.12	-1.84 14.643 -1.84 -1.87 -0.44	1.50 0.812	1.15 -0.812 -20.0 -418. 1.15	9.99 1.828 ¹ -19.88 -374.1 9.99	11.88	2 7
				Bewehrung -41510.5 Material Bewehrung -36670.5	2 76.97 0.00 1 2 -3722.11 0.00	0.00 0.00	-2.12 -2.12 -2.09 -3.17	-1.84 14.643 -1.84 -1.87 -0.44 -1.346	1.50 0.812 1.50 0.812	1.15 -0.812 -20.0 -418. 1.15 -0.812	9.99 1.828 ¹ -19.88 -374.1 9.99 1.827 ¹	11.88	2 Z
				Bewehrung -41510.5 Material Bewehrung	2 76.97 0.00 1 2 -3722.11	0.00 0.00 0.00 0.00	-2.12 -2.12 -2.09	-1.84 14.643 -1.84 -1.87 -0.44 -1.346 -0.44	1.50 0.812 1.50 0.812	1.15 -0.812 -20.0 -418. 1.15	9.99 1.828 ¹ -19.88 -374.1 9.99 1.827 ¹ -7.89	11.88	2 Z

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn		e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	1		τ-b	σ-min	σ-max		
				Schubschni			D/Dmax				N[kN]		
1038	0.000	1	2122	-39589.7	-1594.55		-2.74				9.99	11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-2.74	-1.01			-15.15		
				Bewehrung	2		-2.57				-237.4		
			2125	-41510.5		0.00	-2.12			1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.12	-1.84			-19.88		
				Bewehrung	2		-2.09				-374.1		
			2126	-36670.5		0.00	-3.17			1.15		11.88	1 Z+
				3007013	0.00	0.00					1.827 ¹	11.88	
				Material	1	0.00	-3.17			-20.0		11.00	
				Bewehrung	2		-2.89			-479.			
			2129	-41510.5		0.00	-2.12			1.15		11.88	1 7+
				.1310.3	0.00	0.00	2				1.8281	11.88	
				Material	1	0.00	-2.12				-19.88	11.00	
				Bewehrung	2		-2.09	1			-374.1		
			2130	-36670.5		0.00				1.15		11.88	1 7+
			2130	30070.3	0.00	0.00	3.17				1.8271	11.88	
				Material	1	0.00	-3.17			-20.0		11.00	
				Bewehrung			-2.89	-0.72			-143.2		
	1.003	1	2121			0.00			1.50			nachgew.	
	1.005		2122			0.00				1.15			1 7_
			2122	-33373.2	0.00	0.00					1.8271		
				Material	1	0.00	-2.78				-14.62	11.00	2 2-
				Bewehrung	2		-2.60				-228.8		
			2125	-41462.6	125.63		-2.16			1.15		11.88	1 7_
			2123	-41402.0	0.00	0.00					1.8281	11.88	
				Material	1		-2.16				-19.76	11.00	2 2-
				Bewehrung	2		-2.13	1			-364.0		
			2126	-36147.8								11.88	1 7_
			2120	-30147.8	0.00			-1.272				11.88	
				Material	1	0.00	-3.23				-6.58	11.00	
				Bewehrung			-2.94				-129.7		
			2129	-41462.6						1.15		11.88	1 7+
			2123	41402.0	0.00	0.00					1.8281	11.88	
				Material	1	0.00	-2.16				-19.76	11.00	
				Bewehrung	2		-2.13			-425.			
			2130	-36147.8			-3.23			1.15		11.88	1 7+
				33147.0	0.00	0.00	3.23				1.8271	11.88	
				Material	1	0.00	-3.23				-6.58	11.00	
				Bewehrung	2		-2.94	1			-129.7		
1039	0.000	1	2121						1.50			nachgew.	
	3.000	_		-39375.2		0.00	-2.78			1.15		11.88	1 7+
			-144	3373.2	0.00	0.00	2.70				1.8271		
				Material	1	0.00	-2 78	-0.96			-14.62	11.00	
				Bewehrung	2		-2.60				-228.8		
			2125	-41462.6			-2.16			1.15		11.88	1 7+
			-+-	11402.0	0.00	0.00	2.10				1.8281	11.88	
				Material	1	0.00	-2 16	-1.78			-19.76	11.00	
				Bewehrung	2		-2.13			-425.			
			2126	-36147.8						1.15		11.88	1 7+
			_120	20147.0	0.00	0.00	3.23				1.8271	11.88	
				Material	1	0.00	_3 22	-0.36		-20.0		11.00	
				LIGUEL TAT	1		-3.23	-0.50		-20.0	-0.56		

Bruchbemessung Stäbe

forder	liche Be	ewehru	ing										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	1	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.94			-479.	-129.7		
			2129	-41462.6		0.00	-2.16	-1.78	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		10.499	0.812	0.812	1.828¹	11.88	2 Z
				Material	1		-2.16	-1.78		-20.0	-19.76		
				Bewehrung	2		-2.13	-1.82		-425.	-364.0		
			2130	-36147.8		0.00	-3.23	-0.36	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		-1.272	0.812	0.812	1.827 ¹	11.88	2 Z
				Material	1		-3.23			-20.0			
				Bewehrung			-2.94				-129.7		
	1.003	1	2121	-46.8					1.50			nachgew.	
				-39163.0		0.00	-2.82				9.99		1 Z
					0.00	0.00					1.827 ¹		
				Material	1	3.00	-2.82				-14.09		
				Bewehrung	2		-2.62				-220.7		
			2125	-41411.8		0.00		-1.73		1.15		11.88	1 7
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.20		0.022		-19.64		
				Bewehrung	2		-2.15				-355.6		
			2126	-35639.4		0.00				1.15		11.88	1 7
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.29		0.022	-20.0			
				Bewehrung	2		-2.99			-479.			
			2129	-41411.8		0.00	_	-1.73		1.15		11.88	1 7
			2123	7171110	0.00	0.00					1.8281	11.88	
				Material	1	0.00	-2.20		0.012		-19.64	11.00	
				Bewehrung	2		-2.15				-355.6		
			2130	-35639.4						1.15		11.88	1 7
			2130	33033.4	0.00	0.00					1.8271	11.88	
				Material	1	0.00		-0.29			-5.30	11.00	
				Bewehrung			1	-0.59			-117.1		
1040	0.000	1	2121	-46.8								nachgew.	
1040	0.000	1				0.00				+			
			2122	-39163.0	0.00	0.00	-2.82				9.99 1.827 ¹		
				Matanial		0.00	2 02		0.012			11.00	2
				Material	1 2		-2.82				-14.09		
			2125	Bewehrung	_		-2.62			1.15	-220.7	11 00	1 -
			2125	-41411.8	174.00	0.00 0.00	-2.20				9.99 1.828 ¹	11.88	_
				Mataut - 1		0.00	2 20		0.812			11.88	2
				Material	1		-2.20				-19.64		
			2426	Bewehrung	2		-2.15				-355.6	44 00	1 -
			2126	-35639.4			-3.29	-0.29		1.15		11.88	
				Matau - 1	0.00	0.00	2 22		0.812		1.8271	11.88	2 2
				Material	1		-3.29	1		-20.0			
			24.55	Bewehrung	2			-0.59			-117.1	44.00	
			2129	-41411.8	174.00		-2.20			1.15		11.88	_
					0.00	0.00			0.812		1.8281	11.88	2 Z
				Material	1		-2.20	1			-19.64		
				Bewehrung	2		-2.15			-431.			
			2130	-35639.4		0.00	-3.29	-0.29		1.15		11.88	_
					0.00	0.00			0.812		1.827 ¹	11.88	2 2
				Material	1		-3.29			-20.0			
				Bewehrung	2		-2.99			-479.			
	1.003	1	2121	-46.8	-6.43	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Bruchbemessung Stäbe

forder:	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1040	1.003	1	2122	-38952.9	-2059.04	0.00	-2.85	-0.87	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.902	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.85	-0.87		-20.0	-13.57		
				Bewehrung	2		-2.65	-1.06			-213.0		
			2125	-41359.4	222.07	0.00	-2.23	-1.69	1.50	1.15	9.99	11.88	
					0.00	0.00		7.269	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.23	-1.69		-20.0	-19.51		
				Bewehrung	2		-2.18	-1.74		-436.	-348.3		
			2126	-35145.2	-4832.47	0.00	-3.34	-0.21	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.155	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.34	-0.21		-20.0	-4.06		
				Bewehrung	2		-3.03	-0.53		-479.			
			2129	-41359.4		0.00	-2.23			1.15		11.88	1 Z+
					0.00	0.00		7.269	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.23	-1.69		-20.0	-19.51		
				Bewehrung	2		-2.18			-436.			
			2130	-35145.2	-4832.47					1.15			
					0.00	0.00			0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.34			-20.0			
				Bewehrung			-3.03				-105.4		
1041	0.000	1	2121									nachgew.	
			2122	-38952.9		0.00	_				9.99		
					0.00	0.00			0.812		1.827¹	11.88	2 Z-
				Material	1		-2.85	1			-13.57		
				Bewehrung			-2.65				-213.0		
			2125	-41359.4		0.00		-1.69	I	1.15	I	11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1			-1.69	ł		-19.51		
				Bewehrung	2		-2.18				-348.3		
				-35145.2			-3.34					11.88	
						0.00					1.8271	11.88	2 Z-
				Material	1 2		-3.34				-4.06		
				Bewehrung			-3.03				-105.4	11 00	4 -
			2129	-41359.4			-2.23			1.15		11.88	
					0.00	0.00	2 22				1.8281	11.88	2 2-
				Material	1		-2.23				-19.51		
			2420	Bewehrung			-2.18				-348.3	44 00	4 7
			2130	-35145.2			-3.34			1.15		11.88	
				Mataut - 1	0.00	0.00	2.24				1.8271	11.88	2 2-
				Material	1		-3.34		ł	-20.0	1		
	1 002		2424	Bewehrung				-0.53			-105.4		
	1.003	1		-46.8	-6.99			-				nachgew.	4 7.
			Z122	-38745.1	0.00	0.00 0.00	-2.88				9.99 1.827 ¹	11.88 11.88	
				Matanial		0.00	2 00					11.00	2 2-
				Material Bewehrung	1		-2.88 -2.68				-13.06 -205.6		
			2105		260 02					1.15		11 00	1 7
			2125	-41305.8	269.92 0.00	0.00	-2.26				9.99 1.828 ¹	11.88 11.88	
				Material		0.00						11.08	Z Z-
				Bewehrung	1		-2.26 -2.20				-19.38 -341.8		
			2126		_5192_29							11.88	1 7.
			2120	-34664.6		0.00 0.00	-3.39			1.15	9.99 1.827 ¹	11.88	_
				Matonial	0.00	0.00		-0.15	0.812			11.88	Z Z-
				Material	1		-3.39	-0.15		-20.0	-2.85		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.06	-0.47		-479.	-94.43		
			2129	-41305.8	269.92	0.00	-2.26	-1.65	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		6.434	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.26	-1.65		-20.0	-19.38		
				Bewehrung	2		-2.20	-1.71		-441.	-341.8		
			2130	-34664.6	-5182.28	0.00	-3.39	-0.15	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.108	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.39	-0.15		-20.0	-2.85		
				Bewehrung	2		-3.06				-94.43		
1042	0.000	1	2121	-46.8	-6.99	0.00	-0.00	0.00	1.50			nachgew.	
			2122	-38745.1	-2210.59	0.00	-2.88			1.15		11.88	1 Z+
					0.00	0.00		-1.825	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.88	1			-13.06		
				Bewehrung	2		-2.68	-1.03			-205.6		
			2125	-41305.8	269.92	0.00	-2.26	-1.65	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		6.434	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.26	-1.65		-20.0	-19.38		
				Bewehrung	2		-2.20	-1.71		-441.	-341.8		
			2126	-34664.6	-5182.28	0.00	-3.39	-0.15	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.108	0.812	0.812	1.8271	11.88	2 Z-
				Material	1		-3.39			-20.0			
				Bewehrung	2		-3.06	-0.47		-479.	-94.43		
			2129	-41305.8		0.00	-2.26	-1.65		1.15		11.88	1 Z+
					0.00	0.00		6.434	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.26	-1.65			-19.38		
				Bewehrung	2		-2.20			-441.	-341.8		
			2130	-34664.6	-5182.28		-3.39	-0.15		1.15	9.99	11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.39		ł	-20.0			
				Bewehrung	2		-3.06			-479.			
	1.003	1	2121	_			-0.00		1.50			nachgew.	
			2122	-38539.4		W.		-0.78		1.15			
					0.00				0.812		1.827 ¹	11.88	2 Z-
				Material	1		-2.92				-12.55		
				Bewehrung	_		-2.70				-198.6		
			2125	-41248.9			-2.29	-1.61		1.15		11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.29	-1.61			-19.24		
				Bewehrung	2		-2.22				-335.5		4 -
			2126	-34196.9						1.15		11.88	
					0.00	0.00			0.812		1.8271	11.88	2 Z-
				Material	1		-3.44	1			-1.67		
			24.00	Bewehrung	210.00			-0.42			-84.11	44.00	4 7
			2129	-41248.9			-2.29			1.15		11.88	
				M-+ 1	0.00	0.00	2 22				1.8281	11.88	2 Z-
				Material	1		-2.29	1	ł		-19.24		
				Bewehrung	5522.60		-2.22				-335.5	11 00	1 7
			2130	-34196.9			-3.44			1.15		11.88	
				Motori - 1	0.00	0.00	2.44				1.8271	11.88	2 Z-
				Material	1		-3.44		ł		-1.67		
4043	0.000	4	24.24	Bewehrung	2 7 7 7		-3.10			-479.		b ·	
1043	0.000	1	2121	-46.8	-7.55	0.00	-0.00	0.00	1.50		nıcht r	nachgew.	

Model Bruchbemessung Stäbe

Erforder:	liche Be	ewehru	ıng											
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rā	ang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]		[-]	[-]	[cm2]		
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z			
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]			
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max			
				Schubschn	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]			
1043	0.000	1	2122	-38539.4	-2360.50	0.00	-2.92	-0.78	1.50	1.15	9.99	11.88	1	Z+
					0.00	0.00		-1.756	0.812		1.827 ¹	11.88	2	Z-
				Material	1		-2.92				-12.55			
				Bewehrung	2		-2.70			-479.				
			2125	-41248.9				-1.61		1.15		11.88	_	
					0.00	0.00			0.812		1.828¹	11.88	2	Z-
				Material	1		-2.29	-1.61		-20.0				
				Bewehrung	2		-2.22	-1.68	2 50	-445.		11.00		_
			2126	-34196.9						1.15		11.88		
					0.00	0.00			0.812		1.8271	11.88	2	Z-
				Material	1		-3.44	1		-20.0				
			2120	Bewehrung	210.00		-3.10			-479.		11 00	1	7.
			2129	-41248.9						1.15			_	
				Matanial	0.00	0.00			0.812		1.8281	11.88	2	۷-
				Material Bewehrung	1		-2.29 -2.22			-445.	-19.24 -335.5			
			2120	-34196.9	5522.60					1.15	9.99	11.88	1	7.
			2130	-34190.9	0.00	0.00					1.8271	11.88	_	
				Material	1		-3.44		0.012	-20.0		11.00	_	
				Bewehrung	2		-3.44				-84.11			
	1.003	1	2121			0.00						l nachgew.		
	1.003		2122			0.00			1.50			_	1	7_
			2122	-36333.3	0.00	0.00					1.8271		_	
				Material	1	0.00	-2.95		0.012		-12.04	11.00	_	_
				Bewehrung	2		-2.73	1			-191.9			
			2125	-41194.5				-1.58				11.88	1	 Z+
					0.00	0.00					1.828 ¹	11.88	_	
				Material	1		-2.32				-19.10			
				Bewehrung	2		-2.24	1			-330.0			
			2126	-33741.6	-5853.87	0.00	-3.48			1.15		11.88	1	Z+
					0.00			-1.031				11.88		
				Material			-3.48				-0.53			
				Bewehrung	2		-3.13	-0.37		-479.	-74.38			
			2129	-41194.5	366.84	0.00	-2.32	-1.58	1.50	1.15	9.99	11.88	1	Z+
					0.00	0.00		5.328	0.812	0.812	1.8281	11.88	2	Z-
				Material			-2.32			-20.0				
				Bewehrung			-2.24			-449.				
			2130	-33741.6						1.15			_	
					0.00				0.812		1.827 ¹		2	Z-
				Material	1		-3.48			-20.0	1			
				Bewehrung				-0.37			-74.38			
1044	0.000	1		-46.8	-			-				nachgew.	_	
			2122	-38335.9		0.00		-0.74			9.99		_	
					0.00				0.812		1.827¹		2	Z-
				Material	1		-2.95				-12.04			
				Bewehrung			-2.73				-191.9			
			2125	-41194.5						1.15				
					0.00				0.812		1.8281	11.88	2	Z-
				Material	1		-2.32				-19.10			
			2426	Bewehrung	2		-2.24			-449.		44.00		_
			2126	-33741.6										
				Mataut - 1	0.00	0.00			0.812		1.8271	11.88	2	۷-
				Material	1		-3.48	-0.03		-20.0	-0.53			

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn		e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-3.13	-0.37			-74.38		
			2129	-41194.5			-2.32			1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material			-2.32				-19.10		
				Bewehrung			-2.24			-449.			
			2130	-33741.6							9.99	11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1			-0.03			-0.53		
				Bewehrung				-0.37			-74.38		
	1.003	1	2121		-8.67				1.50			nachgew.	
			2122	-38134.6		0.00		-0.70			9.99		
				M-+	0.00	0.00					1.8271	11.88	2 2-
				Material	1		-2.98 -2.75				-11.54		
			2125	Bewehrung -41137.2						1.15	-185.4 9.99	11.88	1 7:
			2125	-4113/.2	0.00	0.00		1			1.8281	11.88	
				Material	1	0.00	-2.34				-18.96	11.00	Z Z-
				Bewehrung	2		-2.26				-324.7		
				-33282.9						1.15		11.88	1 7+
			LILU	3320213	0.00	0.00	3.70				1.8271	11.88	
				Material	1	0.00	-3.50	0.03		-20.0		11.00	
				Bewehrung	2			-0.33			-65.29		
				-41137.2						1.15		11.88	1 Z+
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.34				-18.96		
				Bewehrung	2		-2.26	-1.62		-453.	-324.7		
			2130	-33282.9	-6173.50	0.00	-3.50	-0.33	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.000	0.812	0.812	1.8271	11.88	2 Z-
				Material	1		-3.50	0.03		-20.0	0.00		
				Bewehrung	2			-0.33		-479.	-65.29		
1045	0.000	2	2121	0.0	0.00	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	0.0	0.00	0.00	0.00	0.00			nicht r	nachgew.	
			2125	0.0	0.00	0.00	0.00					nachgew.	
			2126	0.0	0.00	0.00	0.00					nachgew.	
			2129	0.0	0.00	0.00	0.00	0.00				nachgew.	
		_	2130	0.0	0.00	0.00	0.00					nachgew.	
	0.997	2	2121	0.0	30.84	0.00	-0.00					nachgew.	
			2122		30.84	0.00	-0.00					nachgew.	4 -
			2125	-0.4	2185.78	0.00	-2.24					23.76	1 Z+
				Mataut 3	0.00	0.00	2.24		0.812		1.6253		
				Material	1		-2.24	50.25		-20.0	0.00 512.50		
			2126	Bewehrung	21 62	0.00	3.01					nachgow!	
			2126		21.62 2185.78	0.00	0.00 -2.24					nachgew. 23.76	1 7±
			2123	-0.4	0.00	0.00	2.24				1.6253	23.70	1 4
				Material	1	0.00	-2.24		0.012	-20.0			
				Bewehrung	2		3.01	1			512.50		
	7		2130	0.0	21.62	0.00						nachgew.	
1046	0.000	2	2121	0.0	30.84	0.00	-0.00					nachgew.	
	3.300		2122	0.0	22.84	0.00	-0.00					nachgew.	
			2125	-0.4	2185.78	0.00	-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1		-2.24			-20.0			

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										7
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2126	0.0	21.62	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2129	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2130	0.0	21.62	0.00	0.00	0.00	1.50		nicht r	nachgew.	
	0.997	2	2121	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2122	0.0	42.34	0.00	-0.00	0.00			nicht r	nachgew.	
			2125	-0.4	2185.77	0.00	-2.24	45.00	1.50	1.15	9.62	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2126		39.89	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
			2129	-0.4	2185.77	0.00	-2.24	45.00	1.50	1.15	9.62	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2130		39.89	0.00	-0.00	0.00	1.50			nachgew.	
1047	0.000	2	2121	-0.4	2185.78	0.00	-2.24		1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2122	-0.4	2185.78	0.00	-2.24		1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00					1.625³		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01	1			512.50		
			2125		2185.77	0.00	-2.24			1.15		23.76	1 Z+
					0.00						1.625 ³		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01	1			512.50		
			2126		39.89				1.50			nachgew.	
			2129		2185.77	0.00		45.00		1.15			1 7+
				04	0.00	0.00					1.6253		'
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2130		39.89				1.50			nachgew.	
	0.997	2	2121		2185.78	0.00		45.00			9.99		1 74
	0.557		2121	0.4	0.00	0.00	2.24				1.6253		1 2
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2122	-0.4	2185.78		-2.24			1.15		23.76	1 7.
			2122	-6.4	0.00	0.00	-2.24				1.6253	23.76	1 4
				Matorial		0.00	2 24			-20.0			
				Material	1		-2.24						
			2125	Bewehrung	2105 77		3.01				512.50	22.70	1 7
			2125	-0.4	2185.77		-2.24		1.50			23.76	I Z+
				Mat	0.00	0.00	2.24		0.812		1.6253		
				Material	1		-2.24			-20.0	1		
				Bewehrung	2		3.01	45.00		512.5	512.50		

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Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1047	0.997	2	2126	-0.4	2185.78	0.00	-2.24				9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.625³		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01	45.00			512.50		
			2129	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929	0.812				
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2130	-0.4						1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material			1	50.25		-20.0			
				Bewehrung				45.00			512.50		
1048	0.000	2	2121	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1		-20.0			
				Bewehrung	2		3.01				512.50		
			2122	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2125	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50	22.76	4 7
			2126	-0.4						1.15		23.76	1 Z+
				Material	0.00			-0.929					
				Bewehrung			-2.24			-20.0	0.00 512.50		
				-0.4	2105 77		3.01	45.00				23.76	1 7.
			2129	-0.4	0.00			-0.929				23.70	1 4
				Material				50.25					
				Bewehrung				45.00			512.50		
			2130	-0.4						1.15			1 7+
			2130	-0.4	0.00						1.6253	23.70	1 2+
				Material		0.00	-2.24		0.012	-20.0			
				Bewehrung			3.01	1			512.50		
	0.997	2	2121	-0.4	2185.78							23.76	1 7+
	,	_		U. T	0.00	0.00		-0.929					
				Material			-2.24			-20.0			
				Bewehrung				45.00			512.50		
			2122	-0.4	2185.78							23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2125	-0.4	2185.78					1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01				512.50		
			2126	-0.4	2185.78					1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi		yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]			[m]	[m]	[m]		
				Bezeichnur	ıg	8-0				σ-min	σ-max		
				Schubschni	.tt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1048	0.997	2	2129	-0.4	2185.78	0.00	-2.24				5.71	23.76	1 Z+
					0.00			-0.929	0.812				
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2130	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
1049	0.000	2	2121	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2122	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1		-20.0			
				Bewehrung	2		3.01				512.50		
			2125	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2126	-0.4			-2.24			1.15		23.76	1 Z+
					0.00			-0.929					
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2129	-0.4						1.15		23.76	1 Z+
					0.00			-0.929					
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2130	-0.4				45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25					
	0.007		24.24	Bewehrung	2			45.00			512.50		4 7
	0.997	2	2121	-0.4						1.15		23.76	1 Z+
				Matarial	0.00	0.00			0.812		1.6253		
				Material			-2.24	1		-20.0			
			2122	Bewehrung -0.4	2 2185.77		3.01				512.50	23.76	1 7.
			2122	-0.4	0.00	0.00 0.00		45.00 -0.929				23.76	1 Z+
				Material			-2.24		0.812	-20.0			
				Bewehrung				45.00			512.50		
			2125	-0.4	2185.78							23.76	1 7:
			2123	-0.4	0.00	0.00	-2.24	-0.929				23.70	1 4
				Material	1		_2 24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2126	-0.4	2185.78					1.15		23.76	1 7_
			2120	-0.4	0.00	0.00		-0.929				23.70	1 LT
				Material	1	0.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
			2129	-0.4	2185.78		-2.24			1.15		23.76	1 7+
			-123	0.4	0.00	0.00	2.24				1.6253	25.70	'
				Material	1	0.00	-2.24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
				pewelli ulig			7.01	45.00		212.3	312.30		

Model Bruchbemessung Stäbe

Stab X[m] QNr LF RMd MyRd M2Rd Color	Erforder	liche Be	wehru	ıng										~
ANI	Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
					[kN]	[kNm]	[kNm]			[-]	[-]	[-]	[cm2]	
					ΔNi			yn	zn	e+	e-	z		
					[kN]	[kN]	[kN]	[m]	[m]					
					Bezeichnur	ıg			1					
					Schubschni	tt								
Material	1049	0.997	2	2130	-0.4								23.76	1 Z+
Bewehrung 2														
1956					Material	1								
Material 0.00 0.00 -2.24 50.25 -20.0 0.00 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 Material 1 0.00 0.00 0.00 Material 1 0.00 0.00 0.00 Material 1 0.00 0.00 0.00 0.00 0.00 Material 1 0.00 0			_											
Material 1 -2, 24 50, 25 -20, 0 0, 00	1050	0.000	2	2121	-0.4								23.76	1 Z+
						0.00	0.00							
2122														
													22.76	1 7.
Material 1 3.04 50.25 -20.0 0.00				2122	-0.4								23.76	1 Z+
Bewehrung 2 3.01 45.00 1.50 1.15 5.04 23.76 1 Z+					Matanial	0.00	0.00							
								1	1	l .				
Material 1													23 76	1 7_
Material 1 2 3.01 45.00 512.5 512.50 1.74 1.74 1.75				2123	-0.4								23.70	1 2+
Bewehrung 2 3.01 45.00 512.5 512.50					Material		0.00							
								1		ł				
Material 1 -0.24 50.25 -20.0 0.0													23.76	1 7+
Material 1 2 3.01 45.00 512.5 512.50				2120									231,70	
Bewehrung 2 3.01 45.00 512.5 512.50 23.76 1 Z+						1	0.00							
2129								1		1				
Material 1													23.76	1 Z+
Material 1 2 30.25 3.01 45.00 512.5 512.50 512.50														
2130					Material			-2.24	50.25		-20.0	0.00		
								3.01	45.00					
Material 1 2.2.4 50.25 512.50 512.55 512.50				2130	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50						0.00	0.00		-0.929	0.812	0.982	1.6253		
0.997 2 2121					Material	1		-2.24	50.25		-20.0	0.00		
Material 1					Bewehrung	2		3.01	45.00		512.5	512.50		
Material 1		0.997	2	2121	-0.4	2185.78							23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50														
2122														
Material 1 2 2 2 5 2 2 5 2 2 5 2 2														
Material				2122	-0.4								23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50							0.00							
2125									1	l .				
Material 1				2125									22.76	1 7.
Material 1				2125	-0.4								23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50					Material									
2126									1	l .				
Material 1				2126									22 76	1 7_
Material 1 -2.24 50.25 -20.0 0.00 0.00 512.5 512.50 22.70 2				2120	-0.4								23.70	1 47
Bewehrung 2 3.01 45.00 512.5 512.50					Material									
2129														
				2129									23.76	1 Z+
Material 1 -2.24 50.25 -20.0 0.00 Bewehrung 2 3.01 45.00 512.5 512.50 2130 -0.4 2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 -0.929 0.812-0.982 1.625³ Material 1 -2.24 50.25 -20.0 0.00														
Bewehrung 2 3.01 45.00 512.5 512.50					Material									
2130														
0.00 0.00 -0.929 0.812 -0.982 1.625³ Material 1 -2.24 50.25 -20.0 0.00													23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50					Material			-2.24	50.25		-20.0	0.00		
					Bewehrung	2		3.01	45.00		512.5	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]			[m]				
				Bezeichnur	ıg	٤-0				σ-min	σ-max		
				Schubschni	.tt		D/Dmax				N[kN]		
1051	0.000	2	2121	-0.4	2185.77	0.00	-2.24				9.99	23.76	1 Z+
					0.00						1.6253		
				Material	1			50.25		-20.0			
				Bewehrung				45.00			512.50		
			2122	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2125	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0	1		
				Bewehrung				45.00			512.50		
			2126	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2		3.01				512.50		
			2129	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01	_			512.50		
			2130	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24			-20.0			
		_		Bewehrung	2		3.01				512.50		
	0.997	2	2121	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50	00.71	4 =
			2122	-0.4				45.00	I		1	23.76	1 Z+
					0.00			-0.929					
				Material				50.25	1		1		
			24.25	Bewehrung -0.4	2105 77			45.00			512.50		1 7.
			2125	-6.4						1.15		23.76	1 Z+
				Matanial	0.00	0.00			0.812	-20.0	1.6253		
				Material			-2.24	1			1		
			2126	Bewehrung -0.4	2 2185.77		3.01			1.15	512.50 9.99	23.76	1 7:
			2120	-6.4	0.00	0.00					1.6253	23.76	1 4
				Material		0.00	-2.24			-20.0			
				Bewehrung				45.00	l .		512.50		
			2120	-0.4	2185.77							23.76	1 71
			2123	-0.4	0.00	0.00	2.24				1.6253	23.76	± 4T
				Material	1	0.00	-2 24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2130	-0.4	2185.77					1.15		23.76	1 7+
			2130	0.4	0.00	0.00					1.6253	23.70	± 4T
				Material	1	0.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
1052	0.000	2	2121	-0.4	2185.78		-2.24			1.15		23.76	1 7+
1032	3.000			0.4	0.00	0.00	2.24				1.6253	25.70	'
				Material	1	0.00	-2.24			-20.0			
				Bewehrung	2		1	45.00	l .		512.50		
				Jenem ung			J.01	.5.00		312.3	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnun	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1052	0.000	2	2122	-0.4	2185.78	0.00	-2.24				9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01	45.00			512.50		
			2125	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2126	-0.4		0.00	-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material			1	50.25	ł	-20.0	1		
				Bewehrung				45.00			512.50		
			2129	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2		3.01				512.50		
			2130	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01	_			512.50		
	0.997	2	2121	-0.4			-2.24			1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2122	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2125	-0.4				45.00	I		1	23.76	1 Z+
					0.00			-0.929					
				Material				50.25	1		1		
			2426	Bewehrung				45.00			512.50		4 7
			2126	-0.4						1.15		23.76	1 Z+
				M-+	0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0	1		
			2120	Bewehrung -0.4			3.01				512.50	22.70	1 7.
			2129	-0.4	2185.77					1.15	4.57 1.625 ³	23.76	T 7+
				Material	0.00	0.00	-2.24			-20.0			
				Bewehrung				45.00	l .		0.00 512.50		
			2120	-0.4	2185.78							23.76	1 7
			2130	-6.4	0.00	0.00	-2.24				1.6253	23.76	1 4
				Material	1		_2 24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
1053	0.000	2	2121	-0.4	2185.78					1.15		23.76	1 7_
1000	0.000		2121	-0.4	0.00	0.00					1.6253	25.70	1 LT
				Material	1	0.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
			2122	-0.4	2185.78		-2.24			1.15		23.76	1 7+
			-144	0.4	0.00	0.00	2.24				1.6253	25.70	'
				Material	1	0.00	-2.24	50.25		-20.0			
				Bewehrung	2			45.00	l .		512.50		
				Dewelli ulig			7.01	TJ.00		712.3	312.30		

Model Bruchbemessung Stäbe

Stab X[m] QNF LF RMG [kM]	Erforder	liche Be	wehru	ıng										
ANI AVyi Exh [kN] [k	Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
					[kN]	[kNm]	[kNm]					[-]	[cm2]	
					ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
					[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
					Bezeichnur	ıg		ε-min	ε-max	τ-b	σ-min	σ-max		
Material 1 0.00					Schubschni	ltt		D/Dmax	Z/Zmax					
Material 1 -2.24 50.25 -20.0 0.00 0.00	1053	0.000	2	2125	-0.4	2185.78	0.00	-2.24					23.76	1 Z+
									-0.929	0.812	0.982	1.6253		
					Material	1								
Material					Bewehrung	2		3.01						
Material 1				2126	-0.4								23.76	1 Z+
						0.00	0.00							
2129														
Material 1 0.00 0.00 0.00 0.20 0.812 0.932 0.625 0.00 0.0														
Material 1 0.2, 24 59.25 -20.0 0.00				2129	-0.4								23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50 23.76 1 Z+						0.00	0.00							
Material Bewehrung 2 0.00 0.0														
Material 1 2 3.01 45.00 512.5 512.50 1.7				2130									23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50							0.00							
0.997 2 2121 -0.4 2185.78 0.00 -0.929 0.812 -0.929 0.812 -0.92 0.812									1	ł		1		
Material 1 2.24 50.25 2.50 0.00			_											
Material 1 2 3.01 45.00 512.5 512.50 23.76 1 Z+		0.997	2	2121									23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50 23.76 1 Z+						0.00	0.00							
2122										ł				
									_					
Material 1 1 2 3 4 5 6 2 5 1 5 5 1 5 5 5 5 5				2122	-0.4								23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50														
2125														
Material Bewehrung 2 3.01 45.00 512.5 512.50 2126 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 4.89 23.76 1.2+ 2185.78 0.00 -2.24 45.00 1.50 1.15 4.77 23.76 1.2+ 2185.78 0.00 0.00 -0.929 0.812+0.982 1.625³ 0.80 0								_					22.76	4 7
Material Bewehrung 2 3.01 45.00 512.5 512.50 2126 -0.4 2185.78 0.00 0.00 0.812-0.982 1.6253 -20.0 0.00				2125	-0.4								23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50					Matauta 1									
2126														
Material 1													22.76	1 7.
Material 1				2120	-0.4				1	I		1	23.70	1 2+
Bewehrung 2 3.01 45.00 512.5 512.50					Material									
2129														
Material 1 2 2 2 2 2 2 2 2 2				2129										1 7+
Material 1				2123	0.4								23.70	
Bewehrung 2 3.01 45.00 512.5 512.50					Material		0.00							
2130										l .				
Material 1				2130									23.76	1 Z+
Material 1														
Bewehrung 2 3.01 45.00 512.5 512.50					Material									
1054 0.000 2 2121 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 0.00 -2.24 50.25 -20.0 0.00 Bewehrung 2 3.01 45.00 512.5 512.50 2122 -0.4 2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 -0.929 0.812-0.982 1.625³ Material 1 -2.24 50.25 -20.0 0.00 Bewehrung 2 3.01 45.00 512.5 512.50 2125 -0.4 2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 -0.929 0.812-0.982 1.625³ Material 1 -2.24 50.25 -20.0 0.00 2125 -0.4 2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 -0.929 0.812-0.982 1.625³ Material 1 -2.24 50.25 -20.0 0.00										l .		1		
Material 1	1054	0.000	2	2121									23.76	1 Z+
Material Bewehrung 1 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 2 Bewehrung 3 Bewehrun														
Bewehrung 2 3.01 45.00 512.5 512.50					Material			-2.24						
2122														
Material 1				2122		2185.77	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50						0.00	0.00		-0.929	0.812				
2125					Material			-2.24	50.25		-20.0	0.00		
0.00 0.00 -0.929 0.812 -0.982 1.625³ Material 1 -2.24 50.25 -20.0 0.00					Bewehrung	2		3.01						
Material 1 -2.24 50.25 -20.0 0.00				2125	-0.4	2185.77		-2.24					23.76	1 Z+
						0.00	0.00		-0.929	0.812	0.982	1.6253		
Bewehrung 2 3.01 45.00 512.5 512.50					Material			1		l .	-20.0	0.00		
					Bewehrung	2		3.01	45.00		512.5	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										-
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnun	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1054	0.000	2	2126	-0.4	2185.78	0.00	-2.24				4.89	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01	45.00			512.50		
			2129	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung			3.01	45.00			512.50		
			2130	-0.4		0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0	1		
				Bewehrung				45.00			512.50		
	0.997	2	2121	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2		3.01				512.50		
			2122	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01	_			512.50		
			2125	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2126	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2129	-0.4				45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25	1		1		
			2420	Bewehrung				45.00			512.50		4 7
			2130	-0.4						1.15		23.76	1 Z+
				Motori-1	0.00	0.00					1.6253		
				Material			-2.24		l .	-20.0			
1055	0.000	2	2121	Bewehrung -0.4			3.01				512.50	22.70	1 7.
1055	0.000	2	Z1Z1	-0.4	2185.78					1.15	9.99 1.625 ³	23.76	1 Z+
				Material	0.00	0.00	-2.24			-20.0			
								45.00	l .		0.00 512.50		
			2122	Bewehrung -0.4	2185.77							23.76	1 7.
			7177	-6.4	0.00	0.00 0.00	-2.24				9.99 1.625 ³	23.76	1 Z+
				Material	1		_2 24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2125	-0.4	2185.77					1.15		23.76	1 7:
			2123	-0.4	0.00	0.00					1.6253	23.70	1 4
				Material	1	0.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
			2126	-0.4	2185.78		-2.24			1.15		23.76	1 7_
			2120	-0.4	0.00	0.00	2.24				1.6253	23.70	± 4T
				Material	1	0.00	-2.24			-20.0			
				Bewehrung	2			45.00	1		512.50		
				bewennung	2		2.01	45.00		212.5	312.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										~
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi		yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]			[m]	[m]	[m]		
				Bezeichnun	ıg	8-0				σ-min	σ-max		
				Schubschni	tt		D/Dmax				N[kN]		
1055	0.000	2	2129	-0.4	2185.78						5.22	23.76	1 Z+
					0.00			-0.929					
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2130	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
	0.997	2	2121	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50	02.74	4 -
			2122	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0			
				Bewehrung	2105 70		3.01				512.50	22.76	1 7.
			2125	-0.4			-2.24					23.76	1 2+
				Material	0.00	0.00		-0.929					
				Bewehrung			-2.24 3.01			-20.0			
				-0.4			-2.24				512.50	23.76	1 7.
			2126	-0.4	0.00			-0.929				23.76	1 2+
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
				-0.4						1.15		23.76	1 7+
			2123	0.4	0.00			-0.929				23.70	
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
				-0.4		_		45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25					
				Bewehrung				45.00	1		512.50		
1056	0.000	2	2121	-0.4			-2.24	45.00		1.15			1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung			3.01	45.00		512.5	512.50		
			2122	-0.4	2185.78	0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24		l .	-20.0			
				Bewehrung	2			45.00			512.50		
			2125	-0.4	2185.78		-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1			50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2126	-0.4	2185.78					1.15		23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1			50.25		-20.0			
			24.25	Bewehrung	2		3.01				512.50	65.77	4 -
			2129	-0.4	2185.78		-2.24			1.15		23.76	1 Z+
				M-+ 3	0.00	0.00	2 2 2				1.6253		
				Material	1		-2.24		l .	-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		

Bruchbemessung Stäbe

Stab X[m] QNr	Erforder	liche Be	wehru	ing									4	
					NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
Marterial 1 1 2.24 5.25 2.80 0.00 0					[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	
Bezeichung					ΔNi	ΔVyi	ΔVzi	yn		e+	e-	z		
							[kN]	[m]	[m]			[m]		
1956 0.000 2 2130 0.04 2185.78 0.00 0.09 0.092 0.812 0.932 0.812 0.932 1.625 0.000 0.0					Bezeichnur	ıg			1					
Naterial 1 1 2 2 2 2 2 2 2 2														
Material 1	1056	0.000	2	2130	-0.4							-	23.76	1 Z+
							0.00			0.812				
0.997 2 2121														
Material 1														4 =
Naterial 1		0.997	2	2121	-0.4								23.76	1 Z+
					Matanial		0.00			0.812				
2122														
Material Bewehrung 2													22 76	1 7+
Material 1 2.2.24 58.25 512.56 512.55 512.56				2122	-0.4				_				23.70	1 27
Sewehrung 2					Material		0.00			0.812				
Material 1 0.00 0.00 -0.929 0.812 - 0.982 1.6253 -20.0 0.00 -2.24 50.25 -20.0 0.00 -2.24 50.25 -2.0.0 0.00 -2.24 50.25 -2.0.0 0.00 -2.24 50.25 -2.0.0 0.00 -2.24 50.25 -2.0.0 0.00 -2.24 50.25 -2.0.0 0.00 -2.24 50.25 -2.0.0 0.00 -2.20 -0.929 0.812 - 0.982 1.6253 -2.0.0 0.00 -2.24 50.25 -2.20 0.00 -2.2													23.76	1 7+
Material 1 2 2.24 50.25 -20.0 0.00					JT								25.70	
Bewehrung 2					Material					01022				
Material 1				2126									23.76	1 Z+
Material 1 2 80.00 1.15 7.60 23.76 1.7														
Bewehrung 2 3.01 45.00 512.5 512.50 23.76 1 2+ 2122 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 7.60 23.76 1 2+ 2130 0.00 38.89 0.00 -2.24 45.00 512.5 512.50 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24 50.25 -2.00 0.00 -2.24					Material									
Material 1 2 2 2 2 2 2 2 2 2					Bewehrung			3.01	45.00		512.5	512.50		
Material 1 2 2 2 2 2 2 2 2 2								-2.24					23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50									-0.929	0.812	0.982	1.6253		
Bewehrung 2 3.01 45.00 512.5 512.50					Material	1		-2.24	50.25		-20.0	0.00		
1057 0.000 2 2121 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+					Bewehrung	2		3.01	45.00		512.5	512.50		
Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.5 512.56 Material 1 2.24 45.00 1.50 1.15 9.99 23.76 1.74 Material 1 2.24 45.00 1.50 1.15 9.99 23.76 1.74 Material 1 2.24 45.00 1.50 1.15 9.99 23.76 1.74 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 512.55 512.56 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.25 2.00 0.00 Material 1 2.24 50.2				2130		38.89	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
Material 1	1057	0.000	2	2121	-0.4	2185.78	0.00	-2.24					23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50 2122 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ -0.4 2185.78 0.00 -0.929 0.812 -0.82 1.625 -2.00 0.00 -0.929 0.812 -0.82 1.625 -2.00 0.00 -0.929 0.812 -0.82 1.625 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -2.00 0.00 -0.929 0.812 -0.82 -0.00 -0.929 0.812 -0.82 -0.00 -0.929 0.812 -0.82 -0.00 -0.929 0.812 -0.82 -0.00 -0.929 0.812 -0.929						0.00	0.00			0.812				
2122						1								
Material 1														
Material 1				2122	-0.4	2185.78	0.00	-2.24	45.00					1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50						0.00	0.00							
2125														
Material 1														
Material 1				2125	-0.4			-2.24					23.76	1 Z+
Bewehrung 2 3.01 45.00 512.5 512.50							0.00			0.812				
2126														
Material 1				2426									22.71	1 7
Material 1				2126	-0.4			-2.24					23./6	T Z+
Bewehrung 2 3.01 45.00 512.5 512.50					Matanial		0.00	2.24						
2129 -0.4 2185.78								1	1					
Material 1				2120									22.76	1 7.
Material 1				2129	-6.4								23.76	1 4
Bewehrung 2 3.01 45.00 512.5 512.50					Material		0.00							
2130 0.0 38.89 0.00 -0.00 0.00 1.50 nicht nachgew. 0.997 2 2121 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 0.00 -2.24 50.25 -20.0 0.00 Bewehrung 2 3.01 45.00 512.5 512.50 2122 0.0 36.35 0.00 -0.00 0.00 1.50 nicht nachgew.									1					
0.997 2 2121 -0.4 2185.78 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 1 Z+ 0.00 0.00 0.00 -0.929 0.812-0.982 1.625³ 1.625³ -20.0 0.00 0.00 0.00 512.5 512.50 512.50 0.00 0.00 0.00 1.50 nicht nachgew.				2130									nachgew	
0.00 0.00 -0.929 0.812-0.982 1.625 ³		0.997	2											1 7+
Material 1 -2.24 50.25 -20.0 0.00 Bewehrung 2 3.01 45.00 512.5 512.50 2122 0.0 36.35 0.00 -0.00 0.00 1.50 nicht nachgew.		2,35,			0.4									'
Bewehrung 2 3.01 45.00 512.5 512.50 2122 0.0 36.35 0.00 -0.00 0.00 1.50 nicht nachgew.					Material		0.00			,,,,,,				
2122 0.0 36.35 0.00 -0.00 0.00 1.50 nicht nachgew.														
				2122									nachgew.	
			-	2125	0.0	36.35								

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnun		E-0	ε-min	ε-max		σ-min			
		_		Schubschni			D/Dmax		T/Tm		N[kN]		
1057	0.997	2	2126	-0.4	2185.78		-2.24	45.00	1.50			23.76	1 Z+
				M 1 1 7	0.00	0.00	2 24	-0.929	0.812				
				Material	1		-2.24			-20.0	0.00		
			2129	Bewehrung -0.4	2185.77	0.00	3.01	45.00 45.00	1 FQ	1.15	512.50 9.99	23.76	1 7.
			2129	-0.4	0.00	0.00					1.625 ³	23.76	1 2+
				Material	1	0.00	-2.24		0.012	-20.0	0.00		
				Bewehrung	2		3.01	45.00			512.50		
			2130		20.41	0.00			1.50			nachgew.	
1058	0.000	2	2121	-0.4	2185.78	0.00	-2.24	_				23.76	1 Z+
					0.00	0.00					1.625³		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2122	0.0	36.35	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
			2125	0.0	36.35	0.00	-0.00	0.00	1.50			nachgew.	
			2126	-0.4	2185.78	0.00	-2.24	45.00	1.50			23.76	1 Z+
					0.00	0.00			0.812		1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2129	-0.4	2185.77	0.00	-2.24			1.15	9.99	23.76	1 Z+
				M-+	0.00	0.00	2 24		0.812		1.6253		
				Material Bewehrung	1 2		-2.24	50.25 45.00		-20.0	0.00 512.50		
			2130	0.0	20.41	0.00	3.01 0.00	0.00	1.50			nachgew.	
	0.997	2	2121	0.0	21.28	0.00	0.00	0.00	1.50			nachgew.	
	0.337	-	2122	0.0	15.76	0.00	0.00	0.00	1.50			nachgew.	
			2125	0.0	15.76		0.00		1.50			nachgew.	
			2126	-0.4	2185.77	0.00	-2.24		1.50				1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2129	-0.4	2185.77	0.00	-2.24		1.50		9.99	23.76	1 Z+
					0.00	0.00			0.812		1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
			2425	Bewehrung	2	2.25	3.01	45.00	4 = 5		512.50	_	
1050	0.000	2	2130	0.0	-1.40		0.00	0.00				nachgew.	
1059	0.000	2	2121	0.0	21.28	0.00	0.00	0.00	1.50			nachgew.	
		}	2122 2125	0.0	15.76 15.76	0.00	0.00	0.00	1.50			nachgew. nachgew.	
		}	2125	-0.4	2185.77	0.00	-2.24		1.50		9.99	23.76	1 7_
			2120	0.4	0.00	0.00	2.24				1.6253	23.70	'
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00			512.50		
			2129		2185.77	0.00	-2.24	45.00	1.50		9.99	23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00			512.50		
			2130	0.0	-1.40		0.00	0.00				nachgew.	
	0.997	2	2121	0.0	-11.02	0.00	0.00	0.00	1.50			nachgew.	
			2122	0.0	-8.17	0.00	0.00	0.00	1.50			nachgew.	
		Ĭ	2125	0.0	-8.17	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

forder:	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	γ-c	γ-s	rel	As	Rang
		•		[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	Z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0	ε-min	ε-max	τ-b	σ-min			
				Schubschni		ε-c	D/Dmax		T/Tm		N[kN]		
1059	0.997	2	2126		-2185.77	0.00	-2.24	45.00	1.50	1.15		23.76	2 Z-
					0.00	0.00		0.929			1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2129	0.0	-8.17	0.00	0.00	0.00	1.50			nachgew.	
			2130	-0.4		0.00	-2.24		1.50				2 Z
					0.00	0.00		0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		
1060	0.000	2	2121	0.0	-11.02	0.00	0.00	0.00	1.50			nachgew.	
			2122	0.0	-8.17	0.00	0.00	0.00	1.50			nachgew.	
			2125	0.0	-8.17	0.00	0.00	0.00	1.50			nachgew.	
			2126	-0.4	-2185.77	0.00	-2.24		1.50				2 Z
					0.00	0.00		I			1.625 ³		
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2129	0.0	-8.17	0.00	0.00		1.50			nachgew.	
			2130	-0.4	-2185.77	0.00	-2.24		1.50	1.15		23.76	2 Z
					0.00	0.00					1.625³		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
	0.997	2	2121		-2185.78	0.00	-2.24		1.50		9.99	23.76	2 Z
					0.00	0.00		0.929	0.812		1.625³		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2122	0.0	-35.44	0.00	-0.00	0.00	1.50			nachgew.	
			2125	0.0	-35.44	0.00	-0.00	0.00	1.50			nachgew.	
			2126	-0.4	-2185.78	0.00	-2.24		1.50	1.15			2 Z
					0.00	0.00		0.929	0.812	0.982	1.625³		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2129		-35.44	0.00	-0.00					nachgew.	
			2130			0.00	-2.24	45.00		1.15			2 Z
					0.00	0.00					1.6253		
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2		3.01				512.50		
1061	0.000	2	2121		-2185.78	0.00	-2.24		1.50		9.99	23.76	2 Z
					0.00	0.00		0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2122	0.0	-35.44	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
				2 0		0.00	-0.00	0.00	1.50			nachgew.	
			2125	0.0	-35.44	0.00							_
			2125 2126		-35.44	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	2 Z
							-2.24				9.99 1.625 ³	23.76	2 Z
					-2185.78	0.00	-2.24				1.6253	23.76	2 Z
				-0.4	-2185.78 0.00	0.00		0.929 50.25	0.812	0.982 -20.0	1.6253	23.76	2 Z
				-0.4	-2185.78 0.00 1	0.00	-2.24	0.929 50.25 45.00	0.812	-0.982 -20.0 512.5	1.625 ³ 0.00 512.50		2 Z
			2126	-0.4 Material Bewehrung 0.0	-2185.78 0.00 1 2	0.00 0.00	-2.24 3.01	0.929 50.25 45.00 0.00	0.812	-0.982 -20.0 512.5	1.625 ³ 0.00 512.50 nicht r	nachgew.	
			2126 2129	-0.4 Material Bewehrung 0.0	-2185.78 0.00 1 2 -35.44	0.00 0.00 0.00	-2.24 3.01 -0.00	0.929 50.25 45.00 0.00 45.00	1.50 1.50	-0.982 -20.0 512.5	1.625 ³ 0.00 512.50 nicht r	nachgew.	
	_		2126 2129	-0.4 Material Bewehrung 0.0	-2185.78 0.00 1 2 -35.44 -2185.78	0.00 0.00 0.00 0.00	-2.24 3.01 -0.00	0.929 50.25 45.00 0.00 45.00 0.929	1.50 1.50	-0.982 -20.0 512.5	1.625 ³ 0.00 512.50 nicht r 9.99 1.625 ³	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										-
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]			[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]			[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min			σ-min	σ-max		
				Schubschn	itt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1061	0.997	2	2121	-0.4	-2185.78	0.00	-2.24				9.99	23.76	2 Z-
					0.00	0.00					1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2122	-0.4	-2185.//	0.00	-2.24			1.15		23.76	2 Z-
				Material	0.00	0.00					1.6253		
							-2.24			-20.0			
				Bewehrung			3.01				512.50		
				-0.4			-2.24			1.15		23.76	2 Z-
				Material	0.00	0.00					1.6253		
				Material	1		-2.24		l .	-20.0	1		
				Bewehrung			3.01				512.50		
			2126	-0.4						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24	1		-20.0			
				Bewehrung			3.01				512.50		
			2129	-0.4			-2.24			1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24		1	-20.0			
				Bewehrung			3.01	_			512.50		
			2130	-0.4			-2.24			1.15		23.76	2 Z-
											1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
1062	0.000	2	2121	-0.4						1.15		23.76	2 Z-
					0.00						1.6253		
				Material			-2.24		1	-20.0			
				Bewehrung			3.01				512.50		
				-0.4						1.15		I	2 Z-
				Material	0.00	0.00		0.929					
								50.25					
			2425	Bewehrung			3.01				512.50		2 7
			2125	-0.4						1.15		23.76	2 2-
				Matanial	0.00				0.812		1.6253		
				Material			-2.24			-20.0	1		
				Bewehrung -0.4			3.01			1.15	512.50 5.82	23.76	2 7
			2120	-0.4	0.00	0.00					1.6253	23.76	Z Z-
				Material			-2.24			-20.0			
				Bewehrung			3.01		1		512.50		
			2120	-0.4						1.15		23.76	2 7
			C123	-0.4	0.00	0.00	2.24				1.6253	23.76	
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2130	-0.4						1.15		23.76	2 7-
			2130	0.4	0.00	0.00	2.24				1.6253	25.70	
				Material		0.00	-2.24			-20.0			
				Bewehrung			3.01				512.50		
	0.997	2		-0.4						1.15		23.76	2 7-
	3.334			0.4	0.00	0.00	_,				1.6253	23.70	
				Material		3.00	-2.24			-20.0			
				Bewehrung	2		3.01	1	ł		512.50		
				ung									

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										~
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]			[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0			l .	σ-min	σ-max		
				Schubschn	itt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1062	0.997	2	2122	-0.4	-2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	2 Z-
					0.00	0.00		0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2125	-0.4	-2185.78	0.00	-2.24			1.15		23.76	2 Z-
				Material	0.00	0.00					1.6253		
							-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2126	-0.4		0.00	-2.24			1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24	50.25	l .	-20.0	1		
				Bewehrung			3.01				512.50		
			2129	-0.4						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24	1		-20.0	1		
				Bewehrung			3.01				512.50		
			2130	-0.4			-2.24			1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01	_			512.50		
1063	0.000	2	2121	-642.0	-2788.00	0.00	-3.11			1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-3.11			-20.0			
				Bewehrung			2.23				512.50		
			2122	-1470.1						1.15		23.76	2 Z-
					0.00						1.6253		
				Material			-3.50			-20.0			
				Bewehrung			0.81				504.71		
			2125	-1470.1								23.76	2 Z-
					0.00	0.00					1.6253		
				Material			1	39.61			1		
				Bewehrung			0.81				504.71		
			2126	-642.0						1.15		23.76	2 Z-
				M-+ 1 7	0.00	0.00			0.812		1.6253		
				Material			-3.11	1		-20.0			
			24.22	Bewehrung			2.23				512.50	22.75	2 7
			2129	-642.0			-3.11			1.15		23.76	2 Z-
				Mat a	0.00	0.00	2 44		0.812		1.6253		
				Material			-3.11			-20.0			
			2420	Bewehrung			2.23				512.50	22.75	2 7
			2130	-1470.1			-3.50			1.15		23.76	2 Z-
				Matari - 1	0.00	0.00	2.50				1.6253		
				Material	1			39.61		-20.0			
	1 025	2	24.24	Bewehrung			0.81				504.71	22.70	2 7
	1.025	2	2121	-698.0		0.00 0.00	-3.19			1.15	9.99 1.625 ³	23.76	Z Z-
				Motori - 1	0.00	0.00	2 10						
				Material			-3.19			-20.0			
				Bewehrung			2.16				512.50	22.70	2 7
			2122	-6005.5			-3.50			1.15		23.76	2 Z-
				Matari - 1	0.00	0.00	2.50				1.6253		
				Material	1		1	12.58	ł	-20.0	1		
				Bewehrung	2		-1.89	10.97		485.2	485.15		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1063	1.025	2	2125	-6005.5	-6888.65	0.00	-3.50	10.97			9.99	23.76	2 Z-
					0.00	0.00		0.573	0.812	0.832	1.6253		
				Material	1		-3.50			-20.0			
				Bewehrung			-1.89	10.97			485.15		
			2126	-698.0	-2839.55			45.00		1.15		23.76	2 Z-
					0.00	0.00			0.812		1.6253		
				Material			-3.19			-20.0			
				Bewehrung			2.16				512.50		
			2129	-12251.9				4.31		1.15		22.36	
					0.00	0.00					1.625²	1.40	2 Z-
				Material			-3.50	1	ł	-20.0	1		
				Bewehrung			-2.63				479.80		
			2130	-698.0						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-3.19	1	ł	-20.0	1		
		_		Bewehrung			2.16				512.50		
1064	0.000	2	2121	-698.0						1.15		23.76	2 Z-
											1.6253		
				Material			-3.19		ł	-20.0			
				Bewehrung			2.16				512.50		
			2122	-6005.5				10.97		1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-3.50			-20.0			
				Bewehrung			-1.89				485.15	00 74	
			2125	-6005.5				10.97		1.15		23.76	2 Z-
				M-+	0.00						1.6253		
				Material			-3.50			-20.0			
				Bewehrung		_	-1.89				485.15	23.76	2 7
			2126	-698.0				I		1.15	9.99 1.625 ³	23.76	2 2-
				Matanial	0.00			50.35					
				Material Bewehrung	2		1		ł		0.00 512.50		
			2120	-12251.9			2.16 -3.50			1.15		22.36	1 7.
			2129	-12231.9	0.00						9.99 1.625 ²	1.40	
				Material		0.00	-3.50		0.012	-20.0		1.40	Z Z-
				Bewehrung			-2.63	1			479.80		
			2130	-698.0			-3.19			1.15		23.76	2 7-
				0.00.0	0.00	0.00	3.13				1.6253	25.70	
				Material	1	0.00	-3.19		0.012	-20.0			
				Bewehrung			2.16				512.50		
	1.025	2	2121	-718.8			-3.22			1.15		23.76	2 Z-
				130.0	0.00	0.00					1.6253		_
				Material	1		-3.22			-20.0			
				Bewehrung	2			45.00			512.50		
			2122	-41483.4			-2.15	-1.81		1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.15	-1.81			-19.81		
				Bewehrung	2		-2.11				-368.0		
			2125	-41483.4			-2.15				9.99	11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.15	-1.81			-19.81		
				Bewehrung	2		-2.11	1	ł		-368.0		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]		[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1064	1.025	2	2126	-718.8	-2858.71	0.00	-3.22	45.00			9.99	23.76	2 Z-
					0.00				0.812	0.965	1.625³		
				Material	1		-3.22			-20.0			
				Bewehrung			2.14				512.50		
			2129	-1250.3			-3.50			1.15		23.76	1 Z+
					0.00	0.00		-0.864					
				Material	1			43.36		-20.0			
				Bewehrung			1.19				507.42		
			2130	-718.8						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-3.22	ł		-20.0	1		
				Bewehrung			2.14				512.50		
1065	0.000	2	2121	-718.8						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material	_		-3.22	1		-20.0	1		
				Bewehrung			2.14				512.50	11.00	
			2122	-41483.4						1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material			-2.15				-19.81		
				Bewehrung			-2.11	-1.84			-368.0	22.76	2 7
			2125	-718.8						1.15		23.76	2 Z-
				M-+	0.00	0.00					1.6253		
				Material			-3.22			-20.0			
				Bewehrung -1250.3			2.14				512.50	22.76	1 7.
			2126	-1250.3	0.00	0.00				1.15	9.94 1.625 ³	23.76	1 Z+
				Material				43.36		-20.0			
				Bewehrung	2		1.19				507.42		
				-1250.3								23.76	1 7_
			2123	-1230.3	0.00			-0.864				23.70	1 2+
				Material				43.36					
				Bewehrung			1.19	1			507.42		
			2130	-718.8						1.15			2 7-
			2130	720.0	0.00						1.6253	231,70	
				Material		0.00	-3.22	50.36	0.012	-20.0			
				Bewehrung			2.14	1			512.50		
	1.025	2	2121	-698.0						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-3.19			-20.0			
				Bewehrung			2.16				512.50		
		-	2122	-6006.2						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material	1		-3.50			-20.0			
				Bewehrung	2		-1.89	10.97		485.2	485.15		
			2125	-698.0	-2839.57	0.00	-3.19	45.00	1.50	1.15	9.99	23.76	2 Z-
					0.00	0.00		0.894	0.812		1.6253		
				Material			-3.19	50.35		-20.0	0.00		
				Bewehrung			2.16				512.50		
			2126	-6006.2			-3.50			1.15		23.76	2 Z-
					0.00	0.00			0.812		1.625³		
				Material	1			12.58		-20.0	1		
				Bewehrung	2		-1.89	10.97		485.2	485.15		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0			ł	σ-min			
				Schubschni			D/Dmax				N[kN]		
1065	1.025	2	2129	-12251.5							9.99	22.36	
					0.00						1.625²	1.40	2 Z-
				Material			-3.50			-20.0			
				Bewehrung			-2.63				479.80		
			2130	-698.0						1.15		23.76	2 Z-
				Matanial	0.00	0.00			0.812	-20.0	1.6253		
				Material			-3.19 2.16						
1066	0.000	2		Bewehrung -698.0				45.00 45.00		1.15	512.50 9.99	23.76	2 7
1000	0.000		2121	-090.0	0.00	0.00					1.6253	23.70	Z Z-
				Material		0.00	-3.19			-20.0			
				Bewehrung			2.16	1	ł		512.50		
				-6006.2						1.15		23.76	2 7-
				000012	0.00	0.00					1.6253	23170	
				Material			-3.50			-20.0			
				Bewehrung			-1.89	10.97			485.15		
				-698.0						1.15		23.76	2 Z-
					0.00	0.00			0.812	0.966	1.6253		
				Material	1		-3.19	50.35		-20.0	0.00		
				Bewehrung	2		2.16	45.00		512.5	512.50		
			2126	-6006.2		0.00	-3.50	10.97		1.15		23.76	2 Z-
					0.00	0.00		0.573			1.625³		
				Material			-3.50			-20.0			
				Bewehrung			-1.89				485.15		
			2129	-12251.5						1.15			
					0.00	0.00					1.625²	1.40	2 Z-
				Material			-3.50			-20.0			
				Bewehrung	2	_	-2.63				479.80	00.74	
			2130	-698.0				I		1.15		23.76	2 Z-
				Matanial	0.00						1.6253		
				Material Bewehrung				50.35 45.00		-20.0	0.00 512.50		
	1.025	2	2121	-642.1						1.15			2 7-
	1.023		7171	-042.1	0.00						1.6253	23.70	
				Material		0.00	-3.11	50.35	0.012	-20.0			
				Bewehrung			2.23				512.50		
				-1470.2						1.15		23.76	2 Z-
					0.00	0.00					1.6253	===0	_
				Material			-3.50			-20.0			
				Bewehrung			0.81		1		504.71		
			2125	-642.1						1.15		23.76	2 Z-
					0.00	0.00			0.812	0.967	1.6253		
				Material	1		-3.11			-20.0			
				Bewehrung			2.23	45.00			512.50		
		1	2126	-1470.2			-3.50			1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material	1		-3.50			-20.0			
				Bewehrung			0.81				504.71		
			2129	-642.1			-3.11			1.15		23.76	2 Z-
				M-+ 1 7	0.00	0.00	2				1.6253		
				Material	1		-3.11	ł	ł	-20.0	1		
				Bewehrung	2		2.23	45.00		512.5	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	E-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1066	1.025	2	2130	-1470.2	-3501.77	0.00	-3.50	35.30	1.50	1.15	7.01	23.76	2 Z-
					0.00	0.00		0.851	0.812	0.947	1.6253		
				Material	1		-3.50	39.61		-20.0			
				Bewehrung	2		0.81				504.71		
1067	0.000	2		-0.4			-2.24			1.15		23.76	2 Z-
				Material	0.00	0.00					1.6253		
							-2.24			-20.0			
				Bewehrung			3.01				512.50		
				-0.4			-2.24			1.15		23.76	2 Z-
				Material	0.00	0.00					1.6253		
				Material	1		-2.24	1	l .	-20.0	1		
				Bewehrung			3.01				512.50		
			2125	-0.4						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2126	-0.4			-2.24			1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24		1	-20.0			
				Bewehrung			3.01				512.50		
			2129	-0.4			-2.24			1.15		23.76	2 Z-
											1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50	22 74	
			2130	-0.4						1.15		23.76	2 Z-
					0.00						1.6253		
				Material			-2.24			-20.0			
	0.007			Bewehrung			3.01				512.50	22.76	2 7
	0.997	2		-0.4						1.15	9.99 1.625 ³	23.76	2 Z-
				Material	0.00	0.00		50.25					
				Bewehrung			3.01		1		0.00 512.50		
			2122	-0.4						1.15			2 7
			2122	-0.4	0.00						9.99 1.625 ³	23.70	Z Z-
				Material			-2.24			-20.0			
				Bewehrung			3.01		l .		512.50		
				-0.4						1.15		23.76	2 7-
			_123	0.4	0.00						1.6253	25.70	
				Material			-2.24			-20.0			
				Bewehrung			3.01		1		512.50		
			2126	-0.4						1.15		23.76	2 Z-
				V. 1	0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
				-0.4						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung			3.01				512.50		
				-0.4						1.15		23.76	2 Z-
					0.00	0.00					1.6253		
				Material			-2.24				0.00		
				Bewehrung			3.01	1	ł		512.50		
				. 0									

Bruchbemessung Stäbe

Stab x[m] QNr	Erforder	liche Be	ewehru	ıng									4	
Mai	Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
No. All All All All All All All All All A					[kN]	[kNm]	[kNm]	[0/00]	[0/00]	1		[-]	[cm2]	1
Secinting Schubschnitt Schubsc					ΔNi	ΔVyi	ΔVzi	yn	zn					
					[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
1068							ε-0	ε-min		τ-b	σ-min	σ-max		
Material 1 0.00 0.00 0.00 0.929 0.8124 0.982 1.625					Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
Material	1068	0.000	2	2121	-0.4		0.00	-2.24	45.00	1.50	1.15	9.99	23.76	2 Z-
							0.00		0.929	0.812		1.6253		
								-2.24	50.25					
Material 1														
Material 1				2122	-0.4			-2.24			$\overline{}$		23.76	2 Z-
Bewehrung 2 3.01 45.00 512.5 512.50 2.376 2.70							0.00			0.812				
Material 1 1 2 2 3 3 3 4 5 3 6 2 2 2 3 4 5 3 4 5 4 4 4 4 4 4 4 4														
Naterial Bewehrung 2				2125	-0.4			-2.24					23.76	2 Z-
Bewehrung 2 3.01 45.00 512.5 512.50 23.76 2 2 2 3.01 45.00 1.55 1.15 9.99 23.76 2 2 3.01 45.00 512.5 3 3 3 3 3 3 3 3 3							0.00			0.812				
					1				1			1		
Material 1 2.24 50.25 2.20 0.812-0.982 1.6253 2.20 0.802-0.006 1.50 1.15 512.50 2.20 0.802-0.006 0.902 0.812-0.982 1.6253 2.20 0.902-0.006 0.902 0.812-0.982 1.6253 0.902-0.006 0.902 0.902-0.006 0.902-0.				2426									22.76	2 7
Material 1 2 2.24 50.25 512.50 512.55 512.50 22129 -0.4 -2185.78 0.00 -0.224 45.00 1.50 1.15 512.55 512.50 22 - 20.00 0.00				2126	-0.4			-2.24					23.76	2 2-
Bewehrung 2 3.01 45.00 512.5 512.50 2 2					Matanial		0.00	2 24		0.812				
									1					
Material 1				2120									22 76	2 7-
Material 1				2129	-0.4			-2.24					23.70	2 2-
Bewehrung 2 3.01 45.00 512.5 512.50					Material		0.00	-2 24		0.812				
									1					
				2130									23.76	2 7-
Material 1 2 3.01 45.00 1.50 1.50 512.5 512.50														
Bewehrung 2 3.01 45.00 512.5 512.50					Material									
0.997 2 2121														
Material 1		0.997	2	2121				-2.24	45.00				23.76	2 Z-
Bewehrung 2 3.01 45.00 512.5 512.50						0.00	0.00		0.929	0.812	0.982	1.6253		
2122					Material	1		-2.24	50.25		-20.0	0.00		
Material 1 2.24 50.25 2.20.0 0.0					Bewehrung	2		3.01	45.00		512.5	512.50		
Material 1				2122	-0.4	-2185.77	0.00	-2.24	1				23.76	2 Z-
Bewehrung 2 3.01 45.00 512.5 512.50														
2125					Material	1		-2.24	50.25					
Material 1														
Material 1				2125	-0.4			-2.24	1				23.76	2 Z-
Bewehrung 2 3.01 45.00 512.5 512.50						0.00	0.00							
2126									1			1		
2129											512.5			
2130														
Material 1											1 15			2 7
Material 1				2130	-0.4			-2.24	1				23.76	Z Z-
Bewehrung 2 3.01 45.00 512.5 512.50					Matanial		0.00	2.24						
1069 0.000 2 2121 -0.4 -2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 2 Z- Material 1									1					
Material 1 -2.24 50.25 -20.0 0.00	1060	0 000	2	2121			0 00							2 7-
Material Bewehrung 1 Bewehrung 2 Bewehrun	1003	0.000	4	<u> </u>	-0.4			-2.24					23.70	2 2-
Bewehrung 2 3.01 45.00 512.5 512.50					Material		0.00	-2.24		0.012				
2122														
Material 1 -2.24 50.25 -20.0 0.00 512.5 512.50				2122			0.00						23.76	2 Z-
Material 1 -2.24 50.25 -20.0 0.00 Bewehrung 2 3.01 45.00 512.5 512.50 2125 -0.4 -2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 2 Z-0.00 0.00 0.00 0.00 0.00 0.812-0.982 1.625³								_,_,					25.70	
Bewehrung 2 3.01 45.00 512.5 512.50 2125 -0.4 -2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 2 Z-0.00 0.00 0.00 0.929 0.812+0.982 1.625³					Material			-2.24						
2125 -0.4 -2185.77 0.00 -2.24 45.00 1.50 1.15 9.99 23.76 2 Z- 0.00 0.00 0.00 0.929 0.812-0.982 1.625 ³														
0.00 0.00 0.929 0.812 0.982 1.6253				2125			0.00						23.76	2 Z-
							0.00		1					
					Material	1		-2.24			-20.0	0.00		

Bruchbemessung Stäbe

	liche Be						1		1	1			
Stab	x[m]	QNr	LF	1	MyRd		1				rel		Rang
				[kN]	[kNm]			[0/00]		[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn		e+	e-	Z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0				σ-min			
				Schubschni				Z/Zmax	T/Tm		N[kN]		
			2426	Bewehrung	25 42		3.01		4 50		512.50		
			2126		-35.43		-0.00					nachgew.	
			2129	0.0	-35.43	0.00	-0.00					nachgew.	2 7
			2130	-0.4	-2185.77	0.00	-2.24			1.15		23.76	2 2-
				M-+	0.00	0.00	2 24		0.812		1.6253		
				Material	1		-2.24			-20.0			
	0.007	2	2121	Bewehrung	11 02	0.00	3.01	_			512.50		
	0.997	2	2121	0.0	-11.02		0.00					nachgew.	
			2122		-11.02 -2185.78	0.00	0.00	_				nachgew. 23.76	2 7
			2125	-0.4	0.00	0.00	-2.24				9.99 1.625 ³	23.76	2 2-
				Material		0.00	-2.24		0.812	-20.0	0.00		
				Bewehrung	1 2		3.01				512.50		
			2126		-8.16	0.00						na chaou	
			2129		-8.16	0.00	0.00					nachgew. nachgew.	
			2130		-2185.78	0.00	-2.24		1.50				2 7
			2130	-0.4	0.00	0.00	-2.24				1.6253	23.70	2 2-
				Material	1	0.00	-2.24		0.812	-20.0			
				Bewehrung	2		3.01				512.50		
1070	0.000	2	2121	0.0	-11.02	0.00	0.00					nachgew.	
10/0	0.000		2122		-11.02	0.00				-		nachgew.	
			2125			0.00	-2.24						2 7-
			2123	0.4	0.00	0.00	2.27				1.6253	23.70	
				Material	1	0.00	-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2126		-8.16	0.00						nachgew.	
			2129		-8.16	0.00						nachgew.	
			2130		-2185.78	0.00	-2.24			-			2 Z-
					0.00	0.00					1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung				45.00			512.50		
	0.997	2	2121	0.0	21.29		0.00					nachgew.	
			2122		21.29	7	0.00	0.00				nachgew.	
			2125		2185.78	0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2126	0.0	15.77	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2129	-0.4	2185.77	0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00			0.812		1.625³		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01			512.5	512.50		
			2130		-1.39							nachgew.	
1071	0.000	2	2121	0.0	21.29	0.00						nachgew.	
			2122		21.29	0.00	0.00					nachgew.	
			2125	-0.4	2185.78	0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00			0.812		1.6253		
				Material	1		-2.24	1		-20.0	0.00		
				Bewehrung	2		3.01			-	512.50		
			2126		15.77	0.00	0.00			<u> </u>		nachgew.	
			2129	-0.4	2185.77	0.00	-2.24					23.76	1 Z+
					0.00	0.00			0.812		1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	1	MyRd	1	1	1		γ-s			Rang
				[kN]	[kNm]			[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi		zn			z		
				[kN]	[kN]	[kN]							
				Bezeichnur	ıg	ε-0		ε-max		σ-min			
				Schubschni		E-C		Z/Zmax			N[kN]		
				Bewehrung	2		3.01				512.50		
			2130		-1.39							nachgew.	
	0.997	2	2121	-0.4							9.99		1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2122	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0	1		
				Bewehrung			3.01				512.50		
			2125	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
			0.4.5	Bewehrung				45.00			512.50		
			2126	0.0	36.36							nachgew.	
			2129	-0.4				45.00		1.15			1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2130	0.0	20.42							nachgew.	
1072	0.000	2	2121	-0.4				45.00			9.99		1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung				45.00			512.50		
			2122	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material				50.25		-20.0			
			2425	Bewehrung				45.00			512.50	22.76	4 7
			2125	-0.4				45.00		1.15		23.76	1 Z+
					0.00			-0.929					
				Material							0.00		
			2126	Bewehrung	200, 200		3.01				512.50		
			2126		36.36		-0.00		1.50			nachgew.	1 7
			2129	-0.4	2185.78		-2.24			1.15		23.76	1 Z+
				Matanial	0.00	0.00	2.24			-20.0	1.6253		
				Material	1 2		-2.24				0.00 512.50		
			2120	Bewehrung 0.0	_		3.01					nachası:	
-	0.997	2	2130		20.42			-	1.50	1.15		nachgew. 23.76	1 7.
	U.99/		2121	-0.4	2185.78		-2.24					23.76	
				Matanial	0.00	0.00	-2.24			-20.0	1.6253		
				Material	1		-2.24				0.00 512.50		
			2122	Bewehrung	2105 70		3.01					22.70	1 7.
			2122	-0.4	2185.78		-2.24			1.15	9.99 1.625 ³	23.76	
				Material	0.00	0.00	_2 24			-20.0			
				Bewehrung	1 2		-2.24 3.01				0.00 512.50		
			2125		2185.77							22.76	1 7
			2125	-0.4		0.00	-2.24			1.15	8.00 1.625 ³	23.76	
				Matanial	0.00	0.00							
				Material	1		-2.24			-20.0			
			2126	Bewehrung -0.4	2185.77		3.01				512.50	23.76	1 7
			2120	-6.4		0.00	-2.24			1.15	9.99 1.625 ³	23.76	1 2+
				Matanial	0.00	0.00		50.25	0.812	-20.0			
				Material	1		-2.24	20.25		-20.0	0.00		

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		3.01	45.00			512.50		
			2129	-0.4					1.50		7.60	23.76	1 Z+
					0.00	0.00			0.812		1.6253		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2130		38.90	0.00						nachgew.	
1073	0.000	2	2121	-0.4	2185.78	0.00				1.15		23.76	1 Z+
					0.00	0.00			0.812		1.6253		
				Material	1		-2.24			-20.0			
			24.22	Bewehrung	2105.70		3.01				512.50	22.76	1 7.
			2122	-0.4	2185.78	0.00				1.15		23.76	1 Z+
				Material	0.00	0.00		-0.929 50.25	0.812	-20.0			
				Bewehrung			-2.24 3.01				512.50		
			2125		2185.77	0.00			1 50	1.15	8.00	23.76	1 74
			2123	-0.4	0.00	0.00		1	I		1.6253	23.70	1 27
				Material	1	0.00		50.25	0.812	-20.0			
				Bewehrung	2		3.01	1			512.50		
			2126		2185.77	0.00				1.15	9.99	23.76	1 7-
			LILO	3.1	0.00	0.00		-0.929				23170	
				Material	1	3,00	-2.24		01022	-20.0			
				Bewehrung	2		3.01				512.50		
			2129		2185.77	0.00			1.50		7.60	23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2130		38.90	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
	0.997	2	2121	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z-
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	1		-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2122	-0.4		0.00		45.00					1 Z-
					0.00						1.6253		
				Material			-2.24	50.25		-20.0			
				Bewehrung							512.50		
			2125	-0.4									1 Z-
					0.00						1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00				22 ==	4 -
			2126	-0.4		0.00							1 Z-
				Mataut - 1	0.00	0.00	2 24				1.6253		
				Material			1	50.25	l .	-20.0			
				Bewehrung				45.00				23.76	1 7
				-0.4				45.00			6.03 1.625 ³	23.76	1 2.
				Material	0.00	0.00		50.25		-20.0			
				Bewehrung	1		1	45.00	l .				
				-0.4				45.00				23.76	1 7
			2130	-0.4	0.00						1.625 ³	23.76	1 2
				Material				50.25			0.00		
				Bewehrung				45.00			512.50		
				peweili, nilk			3.01	45.00		212.3	312.30		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]			[m]				
				Bezeichnur	ıg	٤-0				σ-min			
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1074	0.000	2	2121	-0.4	2185.78						9.99	23.76	1 Z+
					0.00						1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2122	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2125	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material	_			50.25		-20.0			
				Bewehrung				45.00			512.50	22.76	4 7
			2126	-0.4				45.00				23.76	1 Z+
				M-+	0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2105 70		3.01			1.15	512.50	22.76	1 7.
			2129	-0.4	0.00						6.03 1.625 ³	23.76	1 Z+
				Material	0.00	0.00				-20.0			
				Bewehrung			-2.24 3.01		ł		0.00 512.50		
				-0.4			-2.24	_		1.15		23.76	1 7.
			2130	-0.4	0.00	0.00					1.6253	23.70	1 2+
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
	0.997	2		-0.4						1.15		23.76	1 7+
	0.557		2121	0.4	0.00						1.6253	23.70	1 21
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
				-0.4				45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25					
				Bewehrung				45.00			512.50		
			2125	-0.4			-2.24	45.00		1.15			1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material			-2.24	50.25		-20.0	0.00		
				Bewehrung			3.01	45.00		512.5	512.50		
			2126	-0.4	2185.78	0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1		-2.24		1	-20.0			
				Bewehrung	2			45.00			512.50		
			2129	-0.4	2185.77		-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2130	-0.4	2185.78					1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1			50.25		-20.0			
40==	0.005			Bewehrung	2		3.01				512.50	65.77	4 -
1075	0.000	2	2121	-0.4	2185.78		-2.24			1.15		23.76	1 Z+
				M-+ 3	0.00	0.00	2 2 2				1.6253		
				Material	1		-2.24		l .	-20.0	1		
				Bewehrung	2		3.01	45.00		512.5	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1075	0.000	2	2122	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01	45.00			512.50		
			2125	-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2126	-0.4		0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2129	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2		3.01				512.50		
			2130	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01	_			512.50		
	0.997	2	2121	-0.4			-2.24			1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung			3.01				512.50		
			2122	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50	00.71	
			2125	-0.4				45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25	1		1		
			2126	Bewehrung -0.4				45.00		1.15	512.50		1 7.
			2126	-0.4							9.99 1.625 ³	23.76	1 2+
				Material	0.00	0.00	-2.24			-20.0			
				Bewehrung			3.01	1	ł		512.50		
			2120	-0.4	2185.78					1.15		23.76	1 7_
			<u> </u>	-0.4	0.00	0.00					1.6253	23.76	
				Material		0.00	-2.24			-20.0			
				Bewehrung				45.00	l .		512.50		
			2130	-0.4	2185.78							23.76	1 7+
			2130	0.4	0.00	0.00	2.24				1.6253	23.70	- L
				Material	1		-2.24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
1076	0.000	2	2121	-0.4	2185.78					1.15		23.76	1 7+
	2.303	_		J. T	0.00	0.00					1.6253		
				Material	1	3.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
			2122	-0.4	2185.78		-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1	2.10	-2.24			-20.0			
				Bewehrung	2			45.00	1		512.50		
					_								

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	ltt		D/Dmax	Z/Zmax	T/Tm		N[kN]		
1076	0.000	2	2125	-0.4	2185.78	0.00	-2.24				4.89	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01	45.00			512.50		
			2126	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung			3.01	45.00			512.50		
			2129	-0.4		0.00	-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0	1		
				Bewehrung				45.00			512.50		
			2130	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2		3.01				512.50		
	0.997	2	2121	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01				512.50		
			2122	-0.4			-2.24			1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2125	-0.4						1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2126	-0.4				45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25					
			24.20	Bewehrung				45.00			512.50		4 7
			2129	-0.4						1.15		23.76	1 Z+
				Motori-1	0.00	0.00					1.6253		
				Material			-2.24	1	l .	-20.0			
			2120	Bewehrung -0.4			3.01				512.50	23.76	1 7.
			Z130	-6.4	2185.78 0.00	0.00 0.00					9.99 1.625 ³	23.76	1 Z+
				Material			-2.24			-20.0			
				Bewehrung				45.00	l .		0.00 512.50		
1077	0.000	2	2121	-0.4	2185.78							23.76	1 7.
10//	0.000		2121	-0.4	0.00	0.00	-2.24				1.6253	23.76	1 2+
				Material	1		-2 24	50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2122	-0.4	2185.78					1.15		23.76	1 7_
			2177	-0.4	0.00	0.00					1.6253	23.76	1 4
				Material	1	0.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
				-0.4	2185.77					1.15		23.76	1 7_
			Z125	-6.4	0.00	0.00	-2.24				1.6253	23.76	1 4
				Material	1	0.00	-2 24	50.25		-20.0			
				Bewehrung	2		1	45.00	1		512.50		
				bewennung	2		2.01	45.00		212.5	212.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]		[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1077	0.000	2	2126	-0.4	2185.78	0.00	-2.24				9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01	45.00			512.50		
			2129	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung			3.01	45.00			512.50		
			2130	-0.4		0.00	-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0	1		
				Bewehrung				45.00			512.50		
	0.997	2	2121	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2		3.01				512.50		
			2122	-0.4			-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		ł	-20.0			
				Bewehrung			3.01				512.50		
			2125	-0.4			-2.24			1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2126	-0.4						1.15		23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2129	-0.4				45.00				23.76	1 Z+
					0.00			-0.929					
				Material				50.25	1		1		
			24.20	Bewehrung				45.00			512.50		4 7
			2130	-0.4						1.15		23.76	1 Z+
				M-+	0.00	0.00					1.6253		
				Material			-2.24	1	l .	-20.0			
1070	0.000	2	2121	Bewehrung -0.4			3.01				512.50	22.70	1 7.
1078	0.000	2	Z1Z1	-0.4	2185.78					1.15	9.99 1.625 ³	23.76	1 Z+
				Material	0.00	0.00	-2.24			-20.0			
				Bewehrung				45.00	l .		0.00 512.50		
			2122	-0.4	2185.78							23.76	1 7.
			2122	-0.4	0.00	0.00 0.00	-2.24				9.99 1.625 ³	23.76	1 2+
				Material			2 24	50.25		-20.0			
				Bewehrung	1 2			45.00			512.50		
			2125	-0.4	2185.78					1.15		23.76	1 7:
			2123	-6.4	0.00	0.00					1.6253	23.70	1 4
				Material	1	0.00		50.25		-20.0			
				Bewehrung	2		3.01				512.50		
				-0.4	2185.77					1.15		23.76	1 7_
			2120	-0.4	0.00	0.00	2.24				1.6253	23.76	± 4T
				Material	1	0.00	-2.24			-20.0			
				Bewehrung	2			45.00	l .		512.50		
				bewennung	2		2.01	45.00		212.5	212.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	1		[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+		z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0		ε-max		σ-min	σ-max		
				Schubschni			D/Dmax	Z/Zmax					
1078	0.000	2	2129	-0.4							4.54	23.76	1 Z+
					0.00						1.6253		
				Material			-2.24			-20.0			
				Bewehrung				45.00			512.50		
			2130	-0.4			-2.24					23.76	1 Z+
					0.00						1.6253		
				Material Bewehrung	1		-2.24			-20.0			
	0.007		24.24	Bewenrung	2105 70	0.00	3.01				512.50	22.76	1 7.
	0.997	2	2121	-0.4	2103.70	0.00	-2.24					23.76	1 2+
				Material	0.00	0.00		-0.929 50.25		-20.0			
				Material Bewehrung	1			45.00			1		
			2122	-0.4	2105 70	0 00	-2.24					23.76	1 7.
			2122	-0.4	2103.70	0.00	-2.24	-0.929				23.70	1 2+
				Material	1	0.00		50.25		-20.0			
				Bewehrung				45.00			512.50		
				-0.4			-2.24					23.76	1 7+
								-0.929				231,70	
				Material	0.00	0.00		50.25		-20.0			
				Bewehrung			1	45.00	1		512.50		
				-0.4			-2.24					23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2129	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	4.68	23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2130	-0.4	2185.77	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
4070				Bewehrung				45.00			512.50		4 =
1079	0.000	2	2121	-0.4				45.00					1 2+
				Material	0.00		-2.24			-20.0	1.6253		
								45.00	ł				
				Bewehrung -0.4						1.15		23.76	1 7_
			<u> </u>	0.4	0.00						1.6253	23.70	1 4
				Material			-2.24			-20.0			
				Bewehrung				45.00	l .				
				-0.4			-2.24					23.76	1 Z+
					0.00						1.625³		
				Material			-2.24			-20.0			
				Bewehrung				45.00					
				-0.4								23.76	1 Z+
					0.00						1.6253		
				Material				50.25		-20.0			
				Bewehrung	2			45.00					
			2129	-0.4								23.76	1 Z+
					0.00						1.6253		
				Material			1	50.25	1		0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi		yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]			[m]				
				Bezeichnur	ıg	ε-0				σ-min	σ-max		
				Schubschni	tt		D/Dmax				N[kN]		
1079	0.000	2	2130	-0.4	2185.77						9.99	23.76	1 Z+
					0.00						1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
	0.997	2	2121	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00			512.50		
			2122	-0.4			-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material				50.25	l	-20.0	1		
				Bewehrung				45.00			512.50	22.76	4 7
			2125	-0.4				45.00				23.76	1 Z+
				M-+	0.00	0.00		-0.929					
				Material			-2.24	1	ł	-20.0	1		
				Bewehrung	2105 70		3.01			1.15	512.50	22.76	1 7.
			2126	-0.4	2185.78 0.00						5.04 1.625 ³	23.76	1 Z+
				Material	0.00	0.00				-20.0			
				Bewehrung			-2.24 3.01		ł		0.00 512.50		
				-0.4			-2.24	_		1.15		23.76	1 7.
			2129	-0.4	0.00						1.6253	23.70	1 2+
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
				-0.4						1.15		23.76	1 7+
			2130	0.4	0.00						1.6253	23.70	
				Material			-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
1080	0.000	2		-0.4				45.00				23.76	1 Z+
					0.00			-0.929	I		1		
				Material				50.25		-20.0	0.00		
				Bewehrung				45.00			512.50		
			2122	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung			3.01	45.00		512.5	512.50		
			2125	-0.4	2185.78	0.00	-2.24					23.76	1 Z+
					0.00	0.00					1.6253		
				Material			-2.24		l .	-20.0	1		
				Bewehrung				45.00			512.50		
			2126	-0.4	2185.78							23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2			45.00			512.50		
			2129	-0.4	2185.78					1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1			50.25		-20.0			
				Bewehrung	2		3.01				512.50	65.77	4 -
			2130	-0.4	2185.78		-2.24			1.15		23.76	I Z+
				Matari - 1	0.00	0.00	2 24				1.6253		
				Material	1			50.25	l .	-20.0	1		
				Bewehrung	2		3.01	45.00		512.5	512.50		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	_
				ΔNi	ΔVyi						z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	E-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax					
1080	0.997	2	2121	-0.4			-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00				0.812	0.982	1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung			3.01	45.00			512.50		
			2122	-0.4			-2.24					23.76	1 Z+
					0.00						1.625³		
				Material				50.25		-20.0			
				Bewehrung			3.01				512.50		
				-0.4			-2.24					23.76	1 Z+
				Material	0.00	0.00		-0.929	0.812		1.6253		
				Material	1			50.25		-20.0	1		
				Material Bewehrung	2			45.00					
			2120	-0.4	2103.70	0.00		45.00	I .		I	23.76	1 Z+
				Material	0.00	0.00		-0.929					
								50.25		-20.0			
				Bewehrung				45.00			512.50		
			2129	-0.4	2185.78	0.00		45.00				23.76	1 Z+
					0.00	0.00		-0.929					
					1		1	50.25		-20.0			
				Bewehrung				45.00			512.50		
			2130	-0.4				45.00				23.76	1 Z+
					0.00	0.00		-0.929					
				Material				50.25		-20.0			
1001				Bewehrung				45.00			512.50		
1081	0.000	2	2121	-0.4				45.00		1.15		23.76	1 Z+
				Material	0.00	0.00		-0.929					
					1			50.25		-20.0			
			24.22	Bewehrung	2105 70	0.00		45.00			512.50	22.76	1 7.
			2122	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 2+
				Material	0.00	0.00	2 24	-0.929	0.812	20.982	0.00		
				Bewehrung				45.00					
				-0.4				45.00					1 7.
			2123	-0.4	0.00		1				1.6253	23.70	1 27
				Material			-2.24			-20.0			
				Bewehrung			1	45.00					
				-0.4								23.76	1 7+
			_120	0.4	0.00						1.6253	25.70	'
				Material				50.25		-20.0			
				Bewehrung				45.00			1		
				-0.4				45.00				23.76	1 7+
				7.1	0.00						1.6253		
				Material				50.25		-20.0			
				Bewehrung				45.00					
				-0.4			-2.24					23.76	1 Z+
					0.00						1.6253		
				Material				50.25		-20.0			
				Bewehrung	2			45.00					
	0.997	2		-0.4				45.00				23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00			512.50		

Bruchbemessung Stäbe

forder:	liche Be	ewehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn		e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0		ε-max	τ-b	σ-min	σ-max		
				Schubschni	.tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1081	0.997	2	2122	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material			-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00			512.50		
			2125	-0.4	2185.78	0.00	-2.24			1.15		23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.625³		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2126	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	6.96	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2129	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	6.96	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material			-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2130	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material			-2.24	50.25		-20.0	0.00		
				Bewehrung			3.01	45.00		512.5	512.50		
1082	0.000	2	2121	-0.4			-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00			-0.929	0.812	0.982	1.6253		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung			3.01	45.00		512.5	512.50		
				-0.4			-2.24			1.15		23.76	1 Z+
								-0.929	0.812	0.982	1.6253		
				Material	0.00		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2125	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.625³		
				Material	1		-2.24	50.25		-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2126	-0.4	2185.78	0.00	-2.24			1.15		23.76	1 Z+
					0.00						1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01	1			512.50		
			2129		2185.78		-2.24			1.15		23.76	1 Z+
					0.00	0.00					1.6253		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		1	45.00	ł		512.50		
			2130	-0.4	2185.78					1.15	9.99	23.76	1 Z+
					0.00	0.00					1.625 ³		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01				512.50		
	0.997	2	2121	-0.4	2185.78		-2.24			1.15	9.99	23.76	1 7-
		_		0.4	0.00	0.00	_,				1.6253		
				Material	1	0.00	-2.24		3.312	-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2122		2185.78		-2.24			1.15	9.99	23.76	1 7-
			2122	-6.4	0.00	0.00	-2.24				1.6253	23.70	1 2
				Material	1	0.00	-2.24		0.012	-20.0	0.00		
							1	1			512.50		
			2125	Bewehrung	20.80		3.01					na chacu	
			ZTZ 2	0.0	39.89	0.00	-0.00	0.00	1.50		LUTCUL L	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]		1	[0/00]		[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1082	0.997	2	2126	-0.4	2185.77		-2.24			1.15	-	23.76	1 Z+
					0.00	0.00		-0.929	0.812				
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01		_		512.50		
			2129	-0.4						1.15	9.62	23.76	1 Z+
				Material	0.00	0.00	-2.24		0.812	-20.0	1.625 ³ 0.00		
				Bewehrung			3.01				512.50		
			2130		39.89		-0.00					nachgew.	
1083	0.000	2	2121		2185.78	0.00	-2.24	_		1.15		23.76	1 7⊥
1005	0.000		2121	-0.4	0.00	0.00					1.6253	23.70	1 2+
				Material	1	0.00	-2.24		0.012	-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2122		2185.78					1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2125	0.0	39.89	0.00	-0.00	0.00	1.50		nicht r	nachgew.	
			2126	-0.4	2185.78	0.00	-2.24	45.00	1.50	1.15	9.62	23.76	1 Z+
					0.00	0.00		-0.929	0.812	0.982	1.6253		
				Material	1		-2.24			-20.0			
				Bewehrung	2		3.01				512.50		
			2129	-0.4						1.15	9.62	23.76	1 Z+
					0.00	0.00		-0.929	0.812				
				Material	1		-2.24			-20.0			
			2130	Bewehrung	39.89		3.01				512.50	na chaou	
-	0.997	2	2121	0.0	39.89	0.00	-0.00					nachgew. nachgew.	
	0.557		2122	0.0	30.84	0.00						nachgew.	
			2125	0.0	21.62	0.00						nachgew.	
			2126		$\overline{}$							23.76	1 Z+
					0.00	0.00		-0.929					
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2129	-0.4	2185.78	0.00	-2.24			1.15	9.99	23.76	1 Z+
					0.00	0.00		-0.929	0.812		1.6253		
				Material	1		-2.24	1		-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2130	0.0	21.62			0.00				nachgew.	
1084	0.000	2	2121	0.0	30.84	0.00	-0.00					nachgew.	
			2122		30.84	0.00	-0.00					nachgew.	
			2125	0.0	21.62 2185.78	0.00	0.00		1.50			nachgew. 23.76	1 7.
			2126	-0.4	0.00	0.00	-2.24				9.99 1.625 ³	23.76	1 4
				Material	1	0.00	-2.24		0.012	-20.0	0.00		
				Bewehrung	2		3.01				512.50		
			2129	-0.4	2185.78	0.00	-2.24		1.50		9.99	23.76	1 Z+
					0.00	0.00					1.625³		
				Material	1		-2.24			-20.0	0.00		
				Bewehrung	2		3.01	45.00		512.5	512.50		
			2130	0.0	21.62	0.00	0.00					nachgew.	
	0.997	2	2121	0.0	0.00	0.00			1.50			nachgew.	
			2122	0.0	0.00	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

	liche Be						1			ı			
Stab	x[m]	QNr	LF	NRd	MyRd		1	ε-2			rel		Rang
				[kN]	[kNm]		[0/00]			[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	е-	Z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		e-0	ε-min	ε-max		σ-min			
		_		Schubschni			D/Dmax				N[kN]		
1084	0.997	2	2125		0.00	0.00	0.00	0.00	1.50			nachgew.	
			2126		0.00	0.00	0.00	0.00	1.50			nachgew.	
			2129	0.0	0.00	0.00	0.00	0.00	1.50			nachgew.	
			2130		0.00	0.00	0.00	0.00	1.50			nachgew.	
1085	0.000	2	2121	-46.8	-8.67	0.00	-0.00	0.00	1.50			nachgew.	I
			2122	-38136.4		0.00	-2.98	-0.70	1.50		9.99		
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-2.98	-0.70			-11.55		
				Bewehrung	2		-2.75	-0.93			-185.5		
			2125	-33285.9		0.00	-3.50	-0.33		1.15	9.99	11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.50			-20.0			
				Bewehrung	2		-3.15			-479.		11 00	4 -
			2126	-41136.7	416.27	0.00	-2.34	-1.54				11.88	
					0.00	0.00	2.24				1.8281	11.88	2 2-
				Material	1		-2.34				-18.96		
			24.20	Bewehrung	2	0.00	-2.26			-453.		11 00	1 7.
			2129	-41136.7		0.00	-2.34					11.88	
				M-+	0.00	0.00	2.24				1.8281	11.88	2 2-
				Material	1		-2.34	1			-18.96		
			21.20	Bewehrung -33285.9	2	0.00	-2.26			-453.		11.88	1 7.
			2130	-33283.9	0.00	0.00	-3.50				9.99 1.827 ¹	11.88	
				Material	1	0.00	2 50			-20.0	0.00	11.88	2 2-
				Bewehrung			-3.50 -3.15	1		-479.			
	1.003	2	2121		-8.11	0.00	-0.00	0.00				l nachgew.	
	1.005	۷.	2121			0.00	-2.95	-0.74					1 7.
			2122	-38337.0	0.00	0.00	-2.93				1.8271		
				Material	1	0.00	-2.95				-12.05	11.00	2 2-
				Bewehrung	2		-2.73	1			-191.9		
			2125	-33744.3			-3.48					11.88	1 7_
			2123	-33744.3	0.00	0.00					1.8271	1	
				Material	1	0.00		-0.03			-0.53	11.00	
				Bewehrung				-0.37			1		
				-41194.0						1.15		11.88	1 7+
					0.00						1.8281		
				Material	1	0.00	-2.32				-19.10	11.00	
				Bewehrung	2		-2.24				-330.0		
			2129	-41194.0	367.30			-1.58			9.99	11.88	1 7+
					0.00	0.00					1.8281		
				Material	1	2.00	-2.32				-19.10		
				Bewehrung	2		-2.24				-330.0		
			2130	-33744.3						1.15		11.88	1 7+
					0.00	0.00					1.827 ¹		
				Material	1		-3.48				-0.53		
				Bewehrung	2			-0.37			-74.43		
1086	0.000	2	2121	-46.8								nachgew.	
				-38337.6		0.00	l				9.99		1 Z+
				12237.0	0.00	0.00					1.8271		
				Material	1			-0.74			-12.05		
				Bewehrung	2		1	-0.96			-191.9		
					_								

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]		1	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi				e-	z	1 1	
				[kN]	_	[kN]	_	[m]	[m]		[m]		
				Bezeichnur		ε-0				σ-min			
				Schubschn				Z/Zmax			N[kN]		
1086	0.000	2		-33744.3			-3.48	-0.03			9.99	11.88	1 Z+
					0.00						1.827 ¹	11.88	
				Material	1		-3.48			-20.0			
				Bewehrung			-3.13			-479.			
			2126	-41194.0					_	1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.32				-19.10		
				Bewehrung			-2.24				-330.0		
			2129	-41194.0				-1.58		1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.32				-19.10		
				Bewehrung			-2.24	1			-330.0		
				-33744.3						1.15		11.88	1 Z+
					0.00	0.00					1.8271		
				Material	1		-3.48				-0.53	11.00	
				Bewehrung			-3.13				-74.43		
	1.003	2	2121									nachgew.	
		_		-38541.1		0.00		-0.78			9.99		1 7+
				303.111	0.00	0.00					1.827 ¹		
				Material	1		-2.92				-12.55		
				Bewehrung				-0.99			-198.6		
				-34199.4		0.00				1.15		11.88	1 7+
				3123311	0.00	0.00					1.8271	11.88	
				Material	1	3,00	-3.44		0.022	-20.0			
				Bewehrung	2		-3.10	1		-479.			
			2126	-41248.4						1.15		11.88	1 7+
			LILU	112.101.1	0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.29				-19.24	11.00	
				Bewehrung	2		-2.22				-335.5		
			2129	-41248.4						1.15		11.88	1 7+
			2123	4124014	0.00						1.8281	11.88	
				Material	•	0.00	-2.29				-19.24	11.00	
				Bewehrung				-1.68			-335.5		
				-34199.4						1.15			1 7+
			2130	34133.4	0.00						1.8271		
				Material		0.00	-3.44			-20.0			
				Bewehrung			-3.10			-479.			
1087	0.000	2	2121	-46.8					1.50			nachgew.	
	3.300	_		-38541.1		0.00	-2.92				9.99		1 Z+
					0.00						1.827 ¹		
				Material	1		-2.92				-12.55		
				Bewehrung			-2.70				-198.6		
			2125	-34199.4						1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹		
				Material	1		-3.44				-1.68		
				Bewehrung	2		-3.10				-84.17		
			2126	-41248.4						1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.29				-19.24		
				Bewehrung	2		-2.22				-335.5		
			2129	-41248.4							9.99	11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.29	-1.61			-19.24		

Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]		[0/00]	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn				z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.22	-1.68		-445.	-335.5		
			2130	-34199.4	-5520.74	0.00	-3.44	-0.09	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.067	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.44	-0.09		-20.0	-1.68		
				Bewehrung	2		-3.10	-0.42			-84.17		
	1.003	2	2121	-46.8	-6.99		-0.00					nachgew.	
			2122	-38746.6	-2209.48	0.00	-2.88			1.15			
					0.00	0.00		-1.825	0.812		1.827 ¹	11.88	2 Z-
				Material			-2.88				-13.06		
				Bewehrung			-2.68				-205.7		
			2125	-34667.0	-5180.51		-3.39			1.15		11.88	
					0.00	0.00			0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.39			-20.0			
				Bewehrung	2		-3.06			-479.			
			2126	-41305.4		0.00				1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.26		1		-19.38		
				Bewehrung	2		-2.20				-341.7		
			2129	-41305.4		0.00				1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.26		1		-19.38		
				Bewehrung	2		-2.20				-341.7	11 00	
			2130	-34667.0		0.00				1.15		11.88	
					0.00	0.00					1.8271	11.88	2 2-
				Material	1			-0.15 -0.47	1		-2.86 -94.48		
1000	0 000	2	2121	Bewehrung	-6.99		-3.06					na chaou	
1088	0.000			-38746.6		0.00					9.99	nachgew. 11.88	1 7.
			2122	-38740.0	0.00	0.00					1.827 ¹		
				Material	1			-0.82			-13.06		Z Z-
				Bewehrung				-1.03					
				-34667.0			-3.39					11.88	1 7+
			2123	34007.0	0.00	*	3.33				1.8271		
				Material	1	0.00	-3.39			-20.0		11.00	
				Bewehrung	2		-3.06		1		-94.48		
				-41305.4	270.31					1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.26				-19.38		
				Bewehrung	2		-2.20				-341.7		
			2129	-41305.4	270.31		-2.26			1.15		11.88	1 Z+
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.26				-19.38		
				Bewehrung	2		-2.20	-1.71		-441.	-341.7		
			2130	-34667.0			-3.39	-0.15	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-3.39	-0.15		-20.0	-2.86		
				Bewehrung	2		-3.06	-0.47		-479.	-94.48		
	1.003	2	2121	-46.8	-6.43	0.00	0.00	0.00	1.50			nachgew.	
			2122	-38954.4	-2058.01	0.00	-2.85				9.99		1 Z+
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-2.85	1	1		-13.58		
				Bewehrung	2		-2.65	-1.07		-478.	-213.0		

Model Bruchbemessung Stäbe

Stab X[m] QNr	Erforder	liche Be	wehru	ıng									4	
First Times Time					NRd	MyRd	MzRd	ε-1	ε-2	ν-c	ν-s	rel	As	Rang
Marterial 1 May			•		[kN]	-		1	1	1				
Text Text														
Bezeichung						_			1			[m]		
1088 1.003 2 2125 -35147.5 -4830.80 0.00 -3.34 -0.21 1.50 1.51 1.59 9.99 11.88 2 +														
1.088 1.093 2 2125 -35147.5 -4839.88 0.00 -3.34 -0.21 1.59 1.185 22.									1	ł				
	1088	1.003	2										11.88	1 Z+
Naterial 1			_											
					Material									
Material 1				2126						_			11.88	1 7+
Material														
					Material		3,00			01022				
1889 0.000 222.42 0.00 -2.24 -1.69 1.50 1.15 9.99 11.88 1.74 7.262 -2.00 -1.50 1.15 9.99 11.88 2.70 -1.15 -2.18 -1.74 -4.36 -3.43 -3.14 -2.18 -1.74 -4.36 -3.43 -3.14 -2.18 -1.75 -1.15 -3.15 -3.99 -1.188 2.70 -2.00 -1.15 -3.1														
Material 1 0.00 0.00 7.262 0.812 0.812 1.828 11.88 2.7				2129									11 88	1 7+
Material 1 -2, 24 -1.69 -20.6 19.51				2123	41333.0									
Bewehrung 2 -2.18 -1.74 -336. -348.3 1.88 1.24 -3.04 -3.04 -					Material		0.00			0.012			11.00	2 2
188 24 188 24									1					
Material 1 8 8 9 8 9 8 9 8 9 8 9 8 1 1 1 8 2 2 2 3 3 4 9 3 1 1 3 3 4 9 3 1 1 3 3 2 3 3 4 9				2130									11 00	1 7_
Material 1 3.34 -0.21 -20.0 -4.07 -105.5				2130	-33147.3									
1089 0.000 2 2121					Material		0.00			0.012			11.00	Z Z-
1089														
2122 -38954.4 -2058.01 0.00 0.00 -1.993 0.812 0.827 11.88 2 2 2 2 2 2 2 2 2	1000	0 000	2	2121									na chaou	
Material Bewehrung Beweh	1009	0.000	2											1 7.
Material 1 2 2.85 -0.87 -2.00 -13.58 -213.0				2122	-38954.4									
Bewehrung 2					Matarial					0.812			11.00	2 2-
2125								1	1					
Material 1				24.25									11 00	1 7.
Material 1 8ewehrung 2 -3.34 -0.21 -20.0 -4.67 -479. -105.5 2126 -41359.0 222.42 0.00 0.00 7.262 0.812-0.812 1.828 11.88 2 7- Material 1 8ewehrung 2 -2.24 -1.69 -1.69 -2.00 -19.51 Bewehrung 2 -2.24 -1.69 -2.00 -19.51 -436. -348.3 2129 -41359.0 222.42 0.00 0.00 7.262 0.812-0.812 1.828 11.88 2 7- Material 1 8ewehrung 2 -2.24 -1.69 1.50 1.15 9.99 11.88 1 7- Material 1 8ewehrung 2 -2.24 -1.69 -2.00 -1.51 -3.34 -2.1 -3.34 -2.1 -3.34 -3.21 -3.3				2125	-35147.5			_						
Bewehrung 2							0.00			0.812			11.88	2 Z-
2126								1	1					
Material 1 -2.24 -1.69 -2.18 -1.74 -2.40 -1.50 -1.15 -2.90 -1.88 1.88 2 2-1.88 -1.74 -2.40 -1.69 -2.18 -1.74 -2.40 -2.40 -1.69 -2.18 -1.74 -2.40 -1.50 -1.15 -2.50 -1.50 -													11 00	1 -
Material 1 -2.24 -1.69 -20.0 -19.51 -348.3				2126	-41359.0									
Bewehrung 2													11.88	2 Z-
2129										l .				
Material 1 2.24 -1.69 -2.24 -1.69 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -19.51 -2.00 -2.0														
Material 1				2129	-41359.0									
Bewehrung 2 -2.18 -1.74 -436. -348.3							0.00						11.88	2 Z-
2130														
Material 1														
Material 1				2130	-35147.5									
Bewehrung 2 -3.03 -0.53 -479. -105.5													11.88	2 Z-
1.003 2 2121														
2122 -39164.3 -1904.92		4 0		0101										
Material 1		1.003	2											1 -
Material Bewehrung 1				2122	-39164.3									
Bewehrung 2 -2.62 -1.10 -478. -220.7														2 Z-
2125										l .				
Material 1 -3.29 -0.29 -20.0 -5.31				-										
Material Bewehrung 1			4	2125	-35641.6									
Bewehrung 2 -2.99 -0.59 -479. -117.2 -117.2 -2126 -41411.4 174.31 0.00 -2.20 -1.73 1.50 1.15 9.99 11.88 1 Z+ Material 1 -2.20 -1.73 -20.0 -19.64 -11.88 2 Z- Bewehrung 2 -2.15 -1.78 -431. -355.6 -355.										0.812			11.88	2 Z-
2126 -41411.4 174.31 0.00 -2.20 -1.73 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 8.480 0.812-0.812 1.828¹ 11.88 2 Z- Material 1 -2.20 -1.73 -20.0 -19.64 Bewehrung 2 -2.15 -1.78 -431355.6 2129 -41411.4 174.31 0.00 -2.20 -1.73 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 8.480 0.812-0.812 1.828¹ 11.88 2 Z-														
Material 1 -2.20 -1.73 -20.0 -19.64														
Material 1 -2.20 -1.73 -20.0 -19.64 -2.15 -1.78 -431355.6 -41411.4 174.31 0.00 -2.20 -1.73 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 8.480 0.812-0.812 1.828 11.88 2 Z-				2126	-41411.4									
Bewehrung 2													11.88	2 Z-
2129 -41411.4 174.31 0.00 -2.20 -1.73 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 8.480 0.812-0.812 1.828¹ 11.88 2 Z-						1				!				
0.00 0.00 8.480 0.812 0.812 1.828 ¹ 11.88 2 Z-						2								
				2129	-41411.4			-2.20						
							0.00						11.88	2 Z-
					Material	1		-2.20	-1.73		-20.0	-19.64		

Model Bruchbemessung Stäbe

forder]	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF		MyRd	MzRd	1	ε-2	γ-c	γ-s	rel		Rar
				[kN]	[kNm]	[kNm]			[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	Z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		E-0	ε-min	ε-max	ł	σ-min			
				Schubschni		E-C	D/Dmax		T/Tm		N[kN]		
				Bewehrung	2		-2.15	-1.78		-431.			
			2130	-35641.6		0.00	-3.29	-0.29	1.50		9.99	11.88	_
					0.00	0.00			0.812		1.827 ¹	11.88	2 :
				Material	1		-3.29	-0.29		-20.0			
				Bewehrung	2		-2.99	-0.59		-479.			
1090	0.000	2	2121		-5.87	0.00	0.00	0.00	1.50			nachgew.	
			2122	-39164.3	-1904.92	0.00	-2.81	-0.91		1.15		11.88	_
					0.00	0.00		-1.991	0.812		1.827 ¹	11.88	2
				Material	1		-2.81	-0.91		-20.0	-14.10		
				Bewehrung	2		-2.62	-1.10		-478.	-220.7		
			2125	-35641.6	-4471.20	0.00	-3.29	-0.29	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-1.209	0.812	0.812	1.827 ¹	11.88	2 :
				Material	1		-3.29	-0.29		-20.0	-5.31		
				Bewehrung	2		-2.99	-0.59		-479.	-117.2		
			2126	-41411.4	174.31	0.00	-2.20	-1.73	1.50	1.15	9.99	11.88	1
					0.00	0.00		8.480	0.812	0.812	1.8281	11.88	2
				Material	1		-2.20	-1.73		-20.0	-19.64		
				Bewehrung	2		-2.15	-1.78		-431.	-355.6		
			2129	-41411.4	174.31	0.00	-2.20	-1.73	1.50	1.15	9.99	11.88	1
					0.00	0.00		8.480	0.812	0.812	1.8281	11.88	2
				Material	1		-2.20	-1.73		-20.0	-19.64		
				Bewehrung	2		-2.15	-1.78		-431.	-355.6		
			2130	-35641.6	-4471.20	0.00	-3.29	-0.29	1.50	1.15	9.99	11.88	1
					0.00	0.00		-1.209	0.812	0.812	1.8271	11.88	2
				Material	1		-3.29	-0.29		-20.0	-5.31		
				Bewehrung	2		-2.99	-0.59		-479.	-117.2		
	1.003	2	2121	-46.8	-5.31	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-39376.4	-1750.15	0.00	-2.78	-0.96	1.50	1.15	9.99	11.88	1
					0.00	0.00		-2.093	0.812	0.812	1.8271	11.88	2
				Material	1		-2.78	-0.96		-20.0	-14.62		
				Bewehrung	2		-2.60	-1.14		-478.	-228.9		
			2125	-36149.8	-4101.20	0.00	-3.23			1.15	9.99	11.88	1
					0.00	0.00					1.827 ¹	11.88	2
				Material	1		-3.23			-20.0			
				Bewehrung	2		-2.94			-479.			
			2126	-41462.3	125.91	0.00	-2.16			1.15		11.88	1
					0.00	0.00					1.828¹	11.88	_
				Material	1		-2.16			-20.0			
				Bewehrung	2			-1.82		-425.			
			2129	-41462.3		0.00	-2.16	-1.78	1.50	1.15	9.99	11.88	1
			2129		125.91		-2.16						_
			2129			0.00 0.00		10.483		0.812	9.99 1.828 ¹ -19.76	11.88 11.88	_
			2129	-41462.3 Material	125.91 0.00		-2.16	10.483 -1.78	0.812	-20.0	1.828 ¹ -19.76		_
				-41462.3 Material Bewehrung	125.91 0.00 1 2	0.00	-2.16 -2.13	10.483 -1.78 -1.82	0.812	-0.812 -20.0 -425.	1.828 ¹ -19.76 -364.0	11.88	2
				-41462.3 Material	125.91 0.00 1 2 -4101.20	0.00	-2.16	10.483 -1.78 -1.82 -0.36	0.812 1.50	-0.812 -20.0 -425. 1.15	1.828 ¹ -19.76 -364.0 9.99	11.88	1
	·			-41462.3 Material Bewehrung -36149.8	125.91 0.00 1 2 -4101.20 0.00	0.00	-2.16 -2.13 -3.23	10.483 -1.78 -1.82 -0.36 -1.272	0.812 1.50	-0.812 -20.0 -425. 1.15 -0.812	1.828 ¹ -19.76 -364.0 9.99 1.827 ¹	11.88	1
				-41462.3 Material Bewehrung -36149.8 Material	125.91 0.00 1 2 -4101.20 0.00	0.00	-2.16 -2.13 -3.23	10.483 -1.78 -1.82 -0.36 -1.272 -0.36	1.50 0.812	-0.812 -20.0 -425. 1.15 -0.812 -20.0	1.828 ¹ -19.76 -364.0 9.99 1.827 ¹ -6.58	11.88	1
1091	0.000	7	2130	-41462.3 Material Bewehrung -36149.8 Material Bewehrung	125.91 0.00 1 2 -4101.20 0.00 1 2	0.00 0.00 0.00	-2.16 -2.13 -3.23 -3.23 -2.94	10.483 -1.78 -1.82 -0.36 -1.272 -0.36 -0.65	1.50 0.812	-0.812 -20.0 -425. 1.15 -0.812 -20.0 -479.	1.828 ¹ -19.76 -364.0 9.99 1.827 ¹ -6.58 -129.7	11.88 11.88 11.88	1 2
1091	0.000	2	2130	-41462.3 Material Bewehrung -36149.8 Material Bewehrung -46.8	125.91 0.00 1 2 -4101.20 0.00 1 2 -5.31	0.00 0.00 0.00	-2.16 -2.13 -3.23 -3.23 -2.94 0.00	10.483 -1.78 -1.82 -0.36 -1.272 -0.36 -0.65 0.00	1.50 0.812	-0.812 -20.0 -425. 1.15 -0.812 -20.0 -479.	1.828 ¹ -19.76 -364.0 9.99 1.827 ¹ -6.58 -129.7 nicht r	11.88 11.88 11.88	1 2 2
1091	0.000	2	2130	-41462.3 Material Bewehrung -36149.8 Material Bewehrung -46.8	125.91 0.00 1 2 -4101.20 0.00 1 2 -5.31 -1750.15	0.00 0.00 0.00 0.00	-2.16 -2.13 -3.23 -3.23 -2.94	10.483 -1.78 -1.82 -0.36 -1.272 -0.36 -0.65 0.00 -0.96	1.50 0.812 1.50 1.50	-0.812 -20.0 -425. 1.15 -0.812 -20.0 -479.	1.828 ¹ -19.76 -364.0 9.99 1.827 ¹ -6.58 -129.7 nicht r	11.88 11.88 11.88 nachgew.	1 2 2
1091	0.000	2	2130	-41462.3 Material Bewehrung -36149.8 Material Bewehrung -46.8	125.91 0.00 1 2 -4101.20 0.00 1 2 -5.31	0.00 0.00 0.00	-2.16 -2.13 -3.23 -3.23 -2.94 0.00	10.483 -1.78 -1.82 -0.36 -1.272 -0.36 -0.65 0.00 -0.96 -2.093	1.50 0.812 1.50 1.50	-0.812 -20.0 -425. 1.15 -0.812 -20.0 -479.	1.828 ¹ -19.76 -364.0 9.99 1.827 ¹ -6.58 -129.7 nicht r	11.88 11.88 11.88	1 2 2

Bruchbemessung Stäbe

forder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]			[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0				σ-min	σ-max		
				Schubschn		ε-c	D/Dmax		1		N[kN]		
1091	0.000	2	2125	-36149.8	-4101.20	0.00	-3.23	-0.36	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.272	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.23	-0.36		-20.0	-6.58		
				Bewehrung	2		-2.94	-0.65		-479.	-129.7		
			2126	-41462.3			-2.16	-1.78	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		10.483	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.16	-1.78		-20.0	-19.76		
				Bewehrung	2		-2.13	-1.82		-425.	-364.0		
			2129	-41462.3	125.91	0.00	-2.16	-1.78	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	_
				Material	1		-2.16				-19.76		
				Bewehrung	2		-2.13	-1.82		-425.	1		
			2130	-36149.8			-3.23			1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹		
				Material	1		-3.23			-20.0			
				Bewehrung	2		-2.94	-0.65		-479.	-129.7		
	1.003	2	2121			0.00						nachgew.	
			2122	-39590.8		0.00		-1.01			9.99		1 Z+
					0.00	0.00					1.827 ¹		
				Material	1		-2.74				-15.15		
				Bewehrung	2		-2.57	ł	1		-237.5		
			2125	-36672.3		0.00		-0.44		1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.17			-20.0			
				Bewehrung	2		-2.89	1			-143.2		
			2126	-41510.3		0.00		-1.84		1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.12	-1.84			-19.88		
				Bewehrung	2		1	-1.87	1		-374.0		
			2129	-41510.3	77.22	0.00	-2.12	-1.84	1.50			11.88	1 Z+
					0.00						1.828¹		
				Material	1		-2.12	-1.84		-20.0	-19.88		
				Bewehrung	2		-2.09	-1.87		-418.	-374.0		
			2130	-36672.3		0.00	-3.17			1.15			1 Z+
					0.00	0.00		-1.346	0.812	0.812	1.827 ¹		
				Material	1		-3.17	-0.44		-20.0	-7.89		
				Bewehrung	2		-2.89		1		-143.2		
1092	0.000	2	2121	-46.8	-4.74	0.00	0.00	0.00	1.50		nicht ı	nachgew.	
			2122	-39590.8	-1593.77	0.00	-2.74	-1.01	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.211	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.74				-15.15		
				Bewehrung	2		-2.57	-1.19			-237.5		
			2125	-36672.3	-3720.76	0.00	-3.17			1.15		11.88	1 Z+
					0.00	0.00		-1.346	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.17	-0.44		-20.0	-7.89		
				Bewehrung	2		-2.89	-0.72		-479.	-143.2		
			2126	-41510.3	77.22	0.00	-2.12	-1.84	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00				0.812	1.8281	11.88	2 Z-
				Material	1		-2.12			-20.0			
				Bewehrung	2		-2.09	-1.87		-418.	-374.0		
			2129	-41510.3	77.22		-2.12	-1.84		1.15		11.88	1 Z+
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.12	-1.84		-20.0	-19.88		

Model Bruchbemessung Stäbe

forder	liche Be	wehru	ıng										-
Stab	x[m]	QNr	LF		MyRd	MzRd	1	ε-2	ү-с	γ-s	rel		Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur		ε-0	ε-min	ε-max	τ-b	σ-min			
				Schubschn	itt	ε-c	D/Dmax		T/Tm		N[kN]		
				Bewehrung	2		-2.09	-1.87		-418.	-374.0		
			2130	-36672.3		0.00	-3.17	-0.44	1.50		9.99		_
					0.00	0.00			0.812		1.827 ¹	11.88	2 2
				Material	1		-3.17	-0.44		-20.0			
				Bewehrung	2		-2.89	-0.72		-479.			
	1.003	2	2121		-4.18	0.00	0.00	0.00				nachgew.	
			2122	-39807.3	-1435.74	0.00	-2.70	-1.07		1.15		11.88	_
					0.00	0.00		-2.352	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-2.70	-1.07		-20.0	-15.68		
				Bewehrung	2		-2.53	-1.23		-478.	-246.6		
			2125	-37209.5	-3329.53	0.00	-3.10	-0.53	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-1.437	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-3.10			-20.0			
				Bewehrung	2		-2.84			-479.	1		
			2126		28.48	0.00	-2.06	-1.92	1.50		9.99	11.88	1 2
					0.00	0.00					1.828¹	11.88	_
				Material	1		-2.06			-20.0			
				Bewehrung	2		-2.04			-409.	1		
			2129		28.48	0.00	-2.06		1.50		9.99	11.88	1 2
				120211	0.00	0.00					1.828¹	11.88	_
				Material	1		-2.06			-20.0			
				Bewehrung	2		-2.04	-1.94		-409.			
			2130			0.00	-3.10	-0.53	1.50	1.15	9.99	11.88	1 :
			2130	37203.3	0.00	0.00	3.10				1.8271	11.88	
				Material	1	0.00	-3.10		0.012	-20.0		11.00	
				Bewehrung	2		-2.84	-0.79		-479.			
1093	0.000	2	2121			0.00	0.00	0.00	1.50			l nachgew.	
1055	0.000	_	2122			0.00	-2.70	-1.07	1.50				1 :
			2122	-33807.3	0.00	0.00	-2.70				1.8271		_
				Material		0.00	2 70		0.812		-15.68	11.00	2 1
				Bewehrung	1 2		-2.70	-1.07			-246.6		
			2125			0.00						11.88	1 .
			2125	-37209.5		0.00 0.00		-0.53		1.15	9.99 1.827 ¹	11.88	
				Mataut - 1	0.00	0.00			0.812			11.88	2 4
				Material	1		-3.10			-20.0			
			2426	Bewehrung	20.40		-2.84			-479.		44 00	4
			2126	-41551.9			-2.06	-1.92		1.15			
					0.00	0.00			0.812		1.8281	11.88	2 2
				Material	1			-1.92		l .	-19.97		
				Bewehrung	2			-1.94		-409.			
			2129	-41551.9	28.48	0.00	-2.06			1.15		11.88	_
					0.00	0.00			0.812		1.8281	11.88	2 2
				Material	1			-1.92			-19.97		
				Bewehrung	2		-2.04				-387.5		
			2130	-37209.5		0.00	-3.10			1.15		11.88	_
					0.00	0.00			0.812		1.827¹	11.88	2 2
				Material	1		-3.10			-20.0			
				Bewehrung	2		-2.84				-157.9		
	1.003	2	2121			0.00	0.00		1.50			nachgew.	
			2122	-40026.1		0.00	-2.65				9.99		_
					0.00	0.00		-2.523	0.812	0.812	1.8281	11.88	2 2
				Material	1		-2.65	-1.13		-20.0	-16.22		
				Bewehrung	2		-2.50	-1.28		170	-256.5		

Model Bruchbemessung Stäbe

Stab x[m] QNr LF NRd MyRd MzRd ε-1 ε-2 γ-c γ-s	rel As	Rang
	[-] [cm2]	
ΔNi ΔVyi ΔVzi yn zn e+ e-	z	
[kN] [kN] [kN] [m] [m] [m]	[m]	
	-max	
Schubschnitt ε-c D/Dmax Z/Zmax T/Tm N[[kN]	
1093 1.003 2 2125 -37762.8 -2926.46 0.00 -3.03 -0.63 1.50 1.15 9	9.99 11.88	1 Z+
0.00 0.00 -1.549 0.812 0.812 1.8	327 ¹ 11.88	2 Z-
Material 1 -3.03 -0.63 -20.0 -10	0.62	
Bewehrung 2 -2.79 -0.87 -479. -17	74.0	
2126 -41557.6 -20.36 0.00 -2.04 -1.94 1.50 1.15 9	9.99 11.88	1 Z+
0.00 0.00 -39.91 0.812 0.812 1.8	328 ¹ 11.88	2 Z-
Material 1 -2.04 -1.94 -20.0 -19	9.98	
Bewehrung 2 -2.03 -1.95 -407. -39	90.4	
2129 -41557.6 -20.36 0.00 -2.04 -1.94 1.50 1.15 9	9.99 11.88	1 Z+
0.00 0.00 -39.91 0.812 0.812 1.8	328 ¹ 11.88	2 Z-
Material 1 -2.04 -1.94 -20.0 -19	9.98	
Bewehrung 2 -2.03 -1.95 -407. -39	90.4	
	9.99 11.88	1 Z+
0.00 0.00 -1.549 0.812 0.812 1.8	327 ¹ 11.88	2 Z-
Material 1 -3.03 -0.63 -20.0 -10		
Bewehrung 2 -2.79 -0.87 -479. -17		
	cht nachgew.	
2122 -40026.1 -1275.96		1 Z+
0.00 0.00 -2.523 0.812-0.812 1.8		
Material 1 -2.65 -1.13 -20.0 -16		
	9.99 11.88	1 7+
0.00 0.00 -1.549 0.812+0.812 1.8		
Material 1 -3.03 -0.63 -20.0 -10		
	9.99 11.88	1 7+
0.00 0.00 -39.91 0.812+0.812 1.8		
Material 1 -2.04 -1.94 -20.0 -19		
Bewehrung 2 -2.03 -1.95 -40739		
	9.99 11.88	1 7_
0.00 0.00 -39.91 0.812-0.812 1.8		
Material 1 -2.04 -1.94 -20.0 -19		2 2-
Bewehrung 2 -2.03 -1.95 -40739		
	9.99 11.88	1 7.
0.00 0.00 -1.549 0.812+0.812 1.8		
Material 1 -3.03 -0.63 -20.0 -10		2 2-
	cht nachgew.	
2122 -40247.3 -1114.37 0.00 -2.60 -1.19 1.50 1.15 9		1 7_
0.00 0.00 -2.736 0.812+0.812 1.8		
		2 2-
		1 7.
		2 2-
		1 7.
	9.99 11.88	
0.00 0.00 -15.80 0.812 0.812 1.8		2 2-
Material 1 -2.11 -1.85 -20.0 -19		
Bewehrung 2 -2.08 -1.88 -41737		1 7
	9.99 11.88	
0.00 0.00 -15.80 0.812 0.812 1.8		2 Z-
	9.89	

Model Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Ran
İ				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnu	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschn	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.08	-1.88		-417.	-376.0		
			2130	-38332.9	-2511.02	0.00	-2.95	-0.74	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		-1.694	0.812	0.812	1.827 ¹	11.88	2 2
				Material	1		-2.95	-0.74		-20.0	-12.04		
				Bewehrung	2		-2.73	-0.96		-479.	-191.8		
1095	0.000	2	2121	-46.8	-3.06	0.00	0.00	0.00	1.50		nicht r	nachgew.	
İ			2122	-40247.3	-1114.37	0.00	-2.60	-1.19	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-2.736	0.812	0.812	1.828 ¹	11.88	2 2
				Material	1		-2.60	-1.19		-20.0	-16.75		
				Bewehrung	2		-2.46	1		-478.	1		
			2125	-38332.9		0.00				1.15		11.88	1 2
					0.00	0.00					1.827 ¹	11.88	_
				Material	1		-2.95				-12.04		
				Bewehrung	2		-2.73			-479.	1		
			2126	-41517.9		0.00				1.15		11.88	1 2
				1222112	0.00	0.00			I		1.828¹	11.88	_
				Material	1		-2.11	-1.85			-19.89		
				Bewehrung	2		-2.08	1			-376.0		
			2129	-41517.9		0.00						11.88	1 2
				1222112	0.00	0.00					1.828¹	11.88	_
				Material	1	0.00		-1.85	0.012		-19.89	11.00	
				Bewehrung	2		-2.08				-376.0		
			2130	-38332.9		0.00	-2.95		1.50		9.99	11.88	1 7
			2130	30332.3	0.00	0.00	2.55				1.8271	11.88	_
				Material	1	0.00	-2.95		0.012		-12.04	11.00	
				Bewehrung	2		-2.73				-191.8		
	1.003	2	2121		-2.50	0.00						ı nachgew.	
ŀ	1.005	_	2122		-	0.00			1.50				1 :
			2122	40470.5	0.00	0.00					1.8281		_
				Material	1	0.00		-1.26	0.012		-17.30	11.00	
				Bewehrung	2			-1.39			-278.7		
				-38920.6				-0.86					1 .
			2123	-38320.0	0.00						1.8281		_
				Material				-0.86			-13.49	11.00	_ '
				Bewehrung				-1.06	1				
			2126	-41470.7				-1.79				11.88	1 -
			2120	-414/0./	0.00	0.00					1.828 ¹		_
				Material	1	0.00	-2.16		0.812		-19.78	11.00	2 2
				Bewehrung				-1.79			-365.5		
			2120	-41470.7							9.99	11.88	1 -
			2129	-414/0./	0.00	0.00					1.828 ¹		_
				Material		0.00		-10.97	0.812		-19.78	11.88	2 4
				1	1		1	1			1		
			2120	Bewehrung				-1.83			-365.5	11 00	1 .
			2130	-38920.6									_
					0.00	0.00					1.8281	11.88	2 2
				Material	1		1	-0.86	l .		-13.49		
				Bewehrung	2						-211.8		
1096	0.000	2		-46.8					1.50			nachgew.	
			2122	-40470.9		0.00		-1.26			9.99		_
					0.00	0.00					1.8281		2 2
				Material	1			-1.26			-17.30		
				Bewehrung	2		-2 42	-1.39		-478.	-278.7		

Bruchbemessung Stäbe

forder	liche Be	ewehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn			e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min			σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1096	0.000	2	2125	-38920.6	-2082.60	0.00	-2.86	-0.86	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-1.890	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.86	-0.86		-20.0	-13.49		
				Bewehrung	2		-2.66				-211.8		
			2126	-41470.7	-117.62	0.00	-2.16	-1.79	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-10.97	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.16	-1.79		-20.0	-19.78		
				Bewehrung	2		-2.12	-1.83		-424.	-365.5		
			2129	-41470.7	-117.62	0.00	-2.16	-1.79	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-10.97	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.16	-1.79		-20.0	-19.78		
				Bewehrung	2		-2.12	-1.83			-365.5		
			2130	-38920.6	-2082.60					1.15			1 Z+
					0.00	0.00		-1.890			1.8281	11.88	2 Z-
				Material	1			-0.86	l .	-20.0	-13.49		
				Bewehrung			-2.66				-211.8		
	1.003	2	2121			0.00						nachgew.	
			2122	-40691.2		0.00		-1.34			9.99		
					0.00	0.00					1.828¹	11.88	2 Z-
				Material			-2.49	1	1		-17.84		
				Bewehrung			-2.38	-1.46		-476.	-291.4		
			2125	-39526.1						1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		1	-1.00	1		-14.99		
				Bewehrung			-2.58				-234.8		
			2126	-41420.2				1		1.15		11.88	
					0.00						1.8281	11.88	2 Z-
				Material	1		1	-1.74	ł		-19.66		
				Bewehrung	2			-1.78			-356.9		
				-41420.2		0.00	-2.20	-1.74			9.99	11.88	
					0.00	0.00		-8.746				11.88	2 Z-
				Material	1		-2.20				-19.66		
				Bewehrung			-2.15				-356.9		
			2130	-39526.1			-2.75		1.50			11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.75				-14.99		
				Bewehrung			-2.58				-234.8		
1097	0.000	2		-46.8					1.50			nachgew.	
			2122	-40691.2		0.00	-2.49		1.50				
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.49		1		-17.84		
				Bewehrung	2		-	-1.46			-291.4		
		4	2125	-39526.1			-2.75			1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.75				-14.99		
			2122	Bewehrung	2		-2.58				-234.8		4 =
			2126	-41420.2	-166.14		-2.20			1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.20		1		-19.66		
				Bewehrung	2		-2.15				-356.9		
			2129	-41420.2	-166.14		-2.20			1.15		11.88	_
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.20	-1.74		-20.0	-19.66		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
				[kN]	[kNm]		[0/00]	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn			z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.15	-1.78		-430.	-356.9		
			2130	-39526.1	-1640.96	0.00	-2.75	-1.00	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.173	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.75	-1.00		-20.0	-14.99		
				Bewehrung	2		-2.58	-1.17		-478.	-234.8		
	1.003	2	2121	-46.8	-1.38	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-40896.0	-617.45	0.00	-2.43	-1.43	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.898	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.43	-1.43		-20.0	-18.35		
				Bewehrung	2		-2.33	-1.53		-466.	-305.3		
			2125	-40149.7	-1185.66	0.00	-2.63	-1.17	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.636	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.63	-1.17		-20.0	-16.52		
				Bewehrung	2		-2.48	-1.31		-478.	-262.3		
			2126	-41368.0		0.00			1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-7.435	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.23	-1.69		-20.0	-19.53		
				Bewehrung			-2.18	-1.75		-435.	-349.5		
			2129									nachgew.	
			2130	-40896.0		0.00		-1.43			9.99		1 Z+
					0.00	0.00		_				11.88	
				Material	1			-1.43			-18.35		
				Bewehrung			1	-1.53			-305.3		
1098	0.000	2	2121									nachgew.	
			2122	-40896.0		0.00					9.99		1 Z+
					0.00	0.00					1.828 ¹		
				Material	1		-2.43	-1.43			-18.35		
				Bewehrung	2			-1.53			-305.3		
				-40149.7						1.15			1 Z+
					0.00	0.00					1.828 ¹		
				Material				-1.17		-20.0	-16.52		
				Bewehrung	2		-2.48	1			-262.3		
			2126	-41367.9			-2.23			1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	_
				Material	1		-2.23				-19.53		
				Bewehrung	2		-2.18	1			-349.5		
			2129		-1.38	0.00	0.00					nachgew.	
			2130			0.00	-2.43			1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹		
				Material	1		-2.43				-18.35		
				Bewehrung	2		-2.33	1			-305.3		
	1.003	2	2121		-0.82							nachgew.	
		_	2122		-447.92	0.00	-2.36			1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.36				-18.86		
				Bewehrung	2		-2.27			-455.			
			2125		-714.75	0.00	-2.47			1.15		11.88	1 7+
				10777.5	0.00	0.00	, -,				1.8281	11.88	
				Material	1	0.00	-2.47		0.012	-20.0		11.00	
				Bewehrung	2		-2.36			-472.			
			2126	-41314.6	-262.17	0.00	-2.26			1.15		11.88	1 7.
			2120	41714.0	0.00	0.00	2.20				1.828 ¹	11.88	_
				Material	1	0.00	_2 26	-1.65	0.612		-19.40	11.08	2 2-
				LIGICEI TAT	1		-2.20	-1.03		-20.0	15.40		

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	1		[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn		e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni		ε-c	D/Dmax		1		N[kN]		
				Bewehrung	2		-2.20			-440.	-342.8		
			2129	-46.8	-0.82	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2130	-41099.3	-447.92	0.00	-2.36	-1.52	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.722	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.36	-1.52		-20.0	-18.86		
				Bewehrung	2		-2.27	-1.61		-455.	-321.3		
1099	0.000	2	2121	-46.8	-0.82	0.00	0.00	0.00	1.50	74	nicht r	nachgew.	•
			2122	-41099.3	-447.92	0.00	-2.36			1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.722	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.36	-1.52		-20.0	-18.86		
				Bewehrung	2		-2.27	-1.61		-455.	-321.3		
			2125	-40777.5	-714.75	0.00	-2.47	-1.38	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.575	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.47	-1.38		-20.0	-18.05		
				Bewehrung	2		-2.36	-1.49		-472.	-297.0		
			2126	-41314.6	-262.17	0.00	-2.26	-1.65	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-6.552	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.26	-1.65		-20.0	-19.40		
				Bewehrung	2		-2.20	-1.71			-342.8		
			2129	-46.8	-0.82	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2130	-41099.3	-447.92	0.00	-2.36	-1.52	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-4.722	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.36	-1.52		-20.0	-18.86		
				Bewehrung	2		-2.27	-1.61		-455.	-321.3		
	1.003	2	2121		-0.26							nachgew.	
			2122	-41297.8		0.00				1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.27		l .		-19.36		
				Bewehrung	2			-1.70			-340.9		
			2125	-41351.7			-2.24						
					0.00	0.00				0.812	1.828¹	11.88	2 Z-
				Material	1		-2.24		1		-19.49		
				Bewehrung				-1.74			-347.4		
			2126	-41257.8						1.15			
					0.00	0.00					1.8281		2 Z-
				Material	1		-2.29		1		-19.26		
				Bewehrung	2		-2.22				-336.5		
				-46.8					1.50			nachgew.	
			2130	-41297.8	-277.00	0.00					9.99		
					0.00	0.00					1.8281		2 Z-
				Material	1		-2.27				-19.36		
			0101	Bewehrung	2		-2.21				-340.9		
1100	0.000	2	2121		-0.26							nachgew.	4 -
			2122	-41297.8	-277.00	0.00					9.99		
				Mat	0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.27		ł		-19.36		
			2425	Bewehrung	220.02		-2.21				-340.9	11 00	1 7
			2125	-41351.7	-229.02		-2.24			1.15			
				Matarial	0.00	0.00	2 24				1.8281	11.88	2 2-
				Material	1			-1.68	ł		-19.49		
				Bewehrung	2		-2.18	-1.74		-43/.	-347.4		

Bruchbemessung Stäbe

rforder	liche Be	wehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rar
				[kN]	[kNm]		[0/00]	[0/00]		[-]	[-]	[cm2]	1
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1100	0.000	2	2126	-41257.8	-312.07	0.00	-2.29	-1.61	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-5.882	0.812	0.812	1.828 ¹	11.88	2 2
				Material	1		-2.29	-1.61		-20.0	-19.26		
				Bewehrung	2		-2.22	-1.68			-336.5		
			2129	-46.8	-0.26	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2130	-41297.8	-277.00	0.00	-2.27	-1.64	1.50	1.15	9.99	11.88	1 2
					0.00	0.00		-6.332	0.812	0.812	1.828¹	11.88	2 2
				Material	1		-2.27	-1.64		-20.0	-19.36		
				Bewehrung	2		-2.21	-1.70		-441.	-340.9		
	1.003	2	2121	-46.8	0.30	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-41483.2		0.00				1.15			1 2
					0.00	0.00		-11.82	0.812	0.812	1.828¹	11.88	2 2
				Material	1		-2.15				-19.81		
				Bewehrung	2		-2.11	1		-422.			
			2125	-41311.2	265.20	0.00		-1.65		1.15		11.88	1 2
					0.00	0.00					1.828 ¹	11.88	2 2
				Material	1		-2.26				-19.39		
				Bewehrung	2		-2.20			-440.			
			2126	-41203.4		0.00				1.15		11.88	1 2
					0.00	0.00					1.828¹	11.88	
				Material	1		-2.31				-19.12		
				Bewehrung	2		-2.24				-330.9		
			2129	-41311.2	265.20	0.00		-1.65		1.15	9.99	11.88	1 2
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.26				-19.39		
				Bewehrung	2		-2.20				-342.4		
			2130	-41203.4						1.15	9.99	11.88	1 7
			2130	41203.4	0.00	0.00					1.828 ¹		_
				Material	1	0.00		-1.58			-19.12	11.00	_
				Bewehrung	2		1	-1.65	l .		-330.9		
1101	0.000	2	2121	-46.8								nachgew.	
1101	0.000	_	2122								9.99	_	
			2122	41403.2	0.00						1.828 ¹		_
				Material	1	0.00	-2.15				-19.81	11.00	
				Bewehrung	2		-2.11				-368.0		
			2125	-41311.2	265.20					1.15		11.88	1 7
			2123	71711.2	0.00						1.828 ¹	11.88	_
				Material	1	0.00	-2.26				-19.39	11.00	2 2
				Bewehrung	2			-1.71	1		-342.4		
			2126	-41203.4	-359.17					1.15		11.88	1 -
			2120	-41205.4	0.00	0.00					1.828 ¹		
				Material	1	0.00	-2.31				-19.12	11.88	2 2
				Bewehrung				ł	ł		-330.9		
			2120	-41311.2	265 20			-1.65		1.15		11.88	1 -
			2129	-41311.2	265.20						9.99 1.828 ¹		_
				Matanial	0.00	0.00			0.812			11.88	2 2
				Material	1		-2.26	1			-19.39		
			24.50	Bewehrung	250 17			-1.71			-342.4		, -
			2130	-41203.4	-359.17					1.15			_
				M 1 1 3	0.00	0.00			0.812		1.8281	11.88	2 2
				Material	1		-2.31				-19.12		
				Bewehrung	2		-2.24			-448.			
	1.003	2	2121	-46.8	0.86	0.00	0.00	0.00	1.50		∣nicht r	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
		•		[kN]	[kNm]		1	[0/00]	1		[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn		e+		z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	E-0	1	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1101	1.003	2	2122	-41518.4	68.52	0.00	-2.11	-1.86	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		15.888	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.11	-1.86		-20.0	-19.90		
				Bewehrung	2		-2.08	-1.88		-417.	-376.1		
			2125	-40734.2	750.05	0.00	-2.48	-1.36	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		3.475	0.812		1.8281	11.88	2 Z-
				Material	1		-2.48	-1.36		-20.0	-17.94		
				Bewehrung	2		-2.37	-1.47		-474.	-294.2		
			2126	-41147.5	-407.09	0.00	-2.34	-1.55	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-5.002	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.34	-1.55		-20.0	-18.98		
				Bewehrung	2		-2.26	-1.63		-452.	-325.6		
			2129	-40734.2				-1.36		1.15		11.88	1 Z+
					0.00	0.00				0.812	1.828¹	11.88	
				Material	1		-2.48				-17.94		
				Bewehrung	2		-2.37				-294.2		
			2130	-41147.5						1.15		11.88	1 Z+
					0.00	0.00					1.828¹		
				Material	1		-2.34				-18.98		
				Bewehrung	2		-2.26				-325.6		
1102	0.000	2	2121		0.86							nachgew.	
1102	0.000	_		-41518.4	68.52	0.00					9.99		1 7+
			2122	41310.4	0.00	0.00					1.8281		
				Material	1	0.00	-2.11				-19.90	11.00	2 2
				Bewehrung	2		-2.08	1	ł		-376.1		
			2125	-40734.2						1.15		11.88	1 74
			2123	-40/34.2	0.00	0.00					1.8281	11.88	
				Material	1		-2.48				-17.94	11.00	2 2-
				Bewehrung	2		-2.46	1	ł		-294.2		
			2126	-41147.4								11.88	1 7.
			2126	-41147.4	0.00			-5.002					
				Matauta 1	1			-1.55			-18.98	11.00	2 2-
				Material Bewehrung				-1.63			-325.6		
				-40734.2								11 00	1 7.
			2129	-40/34.2							9.99	11.88	
				Matarial	0.00						1.8281	11.88	Z Z-
				Material	1		-2.48				-17.94		
			24.20	Bewehrung	2		-2.37				-294.2	44 00	1 7
			2130	-41147.4						1.15			
				Matari - 1	0.00						1.8281		2 Z-
				Material	1		-2.34	1			-18.98		
	1 000		2000	Bewehrung	2		-2.26				-325.6		
	1.003	2	2121						1.50			nachgew.	-
			2122	-41338.4	240.93	0.00					9.99		
					0.00	0.00			0.812		1.8281		2 Z-
				Material	1		-2.25				-19.46		
				Bewehrung	2		-2.19				-345.7		
			2125	-40102.8						1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.64				-16.40		
				Bewehrung	2			-1.30			-260.0		
			2126	-41092.1			-2.36				9.99	11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.36	-1.52		-20.0	-18.84		

Bruchbemessung Stäbe

Erforder	rliche Be	ewehru	ıng										
Stab			LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
	J	ę		[kN]	[kNm]		1	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi					Z	Fee 1	
				[kN]	[kN]	[kN]	_	[m]			[m]		
				Bezeichnur		£-0				σ-min			
				Schubschni	tt			Z/Zmax	1		N[kN]		
				Bewehrung	2		-2.28				-320.7		
			2129	-40102.8						1.15		11.88	1 7+
				.0202.0	0.00	0.00					1.828 ¹	11.88	
				Material			-2.64				-16.40		
				Bewehrung			-2.49	1	l .		-260.0		
				-41092.1							9.99	11.88	1 7+
				.105101	0.00	0.00					1.8281		
				Material		0.00	-2.36				-18.84	11.00	
				Bewehrung			-2.28	1	1		-320.7		
1103	0.000	2		-46.8	1.42							nachgew.	
1103	0.000	_		-41338.4		0.00					9.99		1 7+
			2122	41330.4	0.00	0.00					1.8281		1
				Material	1		-2.25				-19.46	11.00	
				Bewehrung	2		-2.19	1	ł		-345.7		
				-40102.8						1.15		11.88	1 7+
			2123	-40102.8	0.00	0.00					1.828 ¹	11.88	
				Material	1	0.00	-2.64				-16.40	11.00	2 2-
				Bewehrung			-2.49	1	1		-260.0		
				-41092.1	452.09					1.15		11.88	1 7.
			2120	-41092.1	0.00	0.00					1.828 ¹	11.88	
				Material	1	0.00		-1.52			-18.84	11.00	2 2-
				Bewehrung			-2.28		1		-320.7		
				-40102.8	1210 00					1.15		11.88	1 7.
			2129	-40102.8	0.00	0.00					1.828 ¹	11.88	
				Material								11.00	2 2-
					1		-2.64		1		-16.40		
				Bewehrung			-2.49				-260.0	11 00	1 7.
			2130	-41092.1	0.00					1.15	9.99 1.828 ¹	11.88 11.88	
				M-+	1				1			11.88	2 2-
				Material				-1.52	l .		-18.84		
	1 002	2		Bewehrung				-1.60			-320.7		
	1.003	2		-46.8				-				nachgew.	
			2122	-41139.4	413.94		-2.34				9.99		
				M-4 3	0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.34				-18.96		
				Bewehrung	2		-2.26				-324.9	44.00	4 -
			2125	-39480.6			-2.76			1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.76		1		-14.88		
				Bewehrung	2		-2.58				-233.0		4 -
			2126	-41035.2	-501.83		-2.38		I	1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.38	1			-18.70		
				Bewehrung	2			-1.58			-315.9		
			2129	-39480.6	1674.18		-2.76			1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.76	1	ł		-14.88		
				Bewehrung	2		-2.58				-233.0		
			2130	-41035.2	-501.83		-2.38			1.15		11.88	
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.38		ł .		-18.70		
				Bewehrung	2		-2.29	-1.58		-459.			
1104	0.000	2	2121	-46.8	1.98	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max		σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax			N[kN]		
1104	0.000	2	2122	-41139.4	413.94	0.00	-2.34	-1.54	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		4.952	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.34				-18.96		
				Bewehrung	2		-2.26			-452.			
			2125	-39480.6						1.15		11.88	
					0.00	0.00			0.812		1.828¹	11.88	2 Z-
				Material	1		-2.76				-14.88		
				Bewehrung	2		-2.58				-233.0		
			2126	-41035.2				-1.49		1.15		11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.38	1			-18.70		
				Bewehrung	2		-2.29				-315.9		
			2129	-39480.6						1.15		11.88	
				M-+ 1 7	0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.76				-14.88		
				Bewehrung	501 92		-2.58			-478. 1.15	-233.0	11 00	1 7.
			2130	-41035.2								11.88	
				M-+	0.00	0.00			0.812		1.8281	11.88	2 2-
				Material	1			-1.49			-18.70		
	1 003		2121	Bewehrung	2 54		-2.29				-315.9		
	1.003	2	2121		2.54						9.99	nachgew.	1 7.
			2122	-40939.1	581.77	0.00		-1.45			1.828 ¹		
				Material	0.00	0.00			0.812		-18.46	11.88	2 2-
							-2.42 -2.32				-308.5		
			2125	Bewehrung -38876.5	2114.80					1.15		11.88	1 7_
			2123	-38870.3	0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.86				-13.39	11.00	
				Bewehrung	2		-2.66		ł		-210.2		
			2126	-40978.2								11.88	1 7+
			2120	40370.2	0.00		2.40	-4 178			1.8281		
				Material			-2.40				-18.56	11.00	
				Bewehrung				-1.56			-311.4		
				-38876.5						1.15		11.88	1 7+
				30370.3	0.00						1.8281		
				Material	1		-2.86				-13.39	11.00	
				Bewehrung	2		-2.66				-210.2		
			2130	-40978.2	_					1.15		11.88	1 Z+
					0.00						1.8281		
				Material	1		-2.40				-18.56		
				Bewehrung	2		-2.31		l .		-311.4		
1105	0.000	2	2121	-46.8	2.54				1.50			nachgew.	
				-40939.2	581.77	0.00					9.99		1 Z+
					0.00	0.00					1.828 ¹		
				Material	1		-2.42				-18.46		
				Bewehrung	2		-2.32				-308.5		
			2125	-38876.5	2114.80						9.99	11.88	1 Z+
					0.00	0.00					1.828¹		
				Material	1		-2.86	-0.85			-13.39		
				Bewehrung	2			-1.05	!	l .	-210.2		
			2126	-40978.2	-549.36						9.99	11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.40	-1.46			-18.56		

Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
		ę		[kN]	[kNm]			[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+		Z	Fig 1	
				[kN]	[kN]	[kN]	[m]	[m]	[m]		[m]		
				Bezeichnur		٤-0		ε-max		σ-min			
				Schubschni	tt			Z/Zmax	ł		N[kN]		
				Bewehrung	2		-2.31	-1.56			-311.4		
			2129	-38876.5				-0.85		1.15		11.88	1 Z+
					0.00	0.00					1.828¹		
				Material			-2.86				-13.39		
				Bewehrung			-2.66				-210.2		
				-40978.2							9.99		1 Z+
					0.00						1.828 ¹		
				Material	1		-2.40				-18.56		
				Bewehrung			-2.31	-1.56	ł		-311.4		
	1.003	2		-46.8	3.10							nachgew.	
				-40734.8		0.00	-2.48				9.99		1 Z+
					0.00	0.00					1.828¹		2 Z-
				Material	1		-2.48				-17.95		
				Bewehrung	2		-2.37	-1.47	ł		-294.2		
				-38290.2				-0.73			9.99	11.88	1 Z+
					0.00	0.00					1.827 ¹		2 Z-
				Material	1		-2.95	-0.73		-20.0	-11.93		
				Bewehrung	2		-2.73	-0.95		-479.	-190.4		
				-40921.1				-1.44		1.15		11.88	1 Z+
					0.00	0.00		-3.978	0.812	0.812	1.828 ¹	11.88	
				Material	1		-2.42	-1.44		-20.0	-18.42		
				Bewehrung			-2.32	-1.54		-465.	-307.1		
				-38290.2			-2.95	-0.73	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.682	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.95	-0.73		-20.0	-11.93		
				Bewehrung	2		-2.73	-0.95		-479.	-190.4		
			2130	-40921.1	-596.69	0.00	-2.42	-1.44	1.50	1.15	9.99	11.88	1 Z+
					0.00			-3.978	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.42	-1.44		-20.0	-18.42		
				Bewehrung	2		-2.32	-1.54		-465.	-307.1		
1106	0.000	2	2121	-46.8	3.10	0.00	0.00	0.00	1.50		nicht r	nachgew.	
			2122	-40734.8	749.53	0.00	-2.48	-1.36	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		3.476	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.48	-1.36		-20.0	-17.95		
				Bewehrung	2		-2.37	-1.47		-474.	-294.2		
			2125	-38290.2			-2.95			1.15		11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-2.95				-11.93		
				Bewehrung	2		-2.73	-0.95			-190.4		
			2126	-40921.1			-2.42			1.15		11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.42				-18.42		
				Bewehrung				-1.54			-307.1		
			2129	-38290.2	2542.15		-2.95	-0.73		1.15		11.88	
					0.00	0.00					1.827 ¹	11.88	2 Z-
				Material	1		-2.95		ł		-11.93		
				Bewehrung	2		-2.73				-190.4		
			2130	-40921.1	-596.68		-2.42	-1.44		1.15			
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.42		ł		-18.42		
				Bewehrung	2		-2.32			-465.			
	1.003	2	2121	-46.8	3.66	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	1	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1106	1.003	2	2122	-40517.2	917.05	0.00	-2.54		1.50		9.99	11.88	1 Z+
					0.00	0.00		3.079	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.54			-20.0	-17.41		
				Bewehrung	2		-2.41			-478.	-281.2		
			2125	-37721.4	2956.63	0.00	-3.03			1.15	9.99	11.88	
					0.00	0.00			0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.03	1		-20.0			
				Bewehrung	2		-2.79			-479.			
			2126	-40863.8	-644.00	0.00	-2.44	_		1.15	9.99	11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.44	1			-18.27		
			24.20	Bewehrung	2056 62	0.00	-2.34			-468.		11 00	1 7.
			2129	-37721.4	2956.63	0.00	-3.03				9.99 1.827 ¹	11.88	
				Material	0.00	0.00	-3.03		0.812	-20.0		11.88	2 2-
				Bewehrung	2		-2.79	1		-479.	-10.51 -172.7		
			2130	-40863.8	-644.00	0.00	-2.79			1.15	9.99	11.88	1 7_
			2130	-40803.8	0.00	0.00	-2.44				1.828 ¹	11.88	
				Material	1	0.00	-2.44		0.812	-20.0		11.00	2 2-
				Bewehrung	2		-2.34	1		-468.			
1107	0.000	2	2121		3.66	0.00	0.00			1001		nachgew.	
	0.000	_	2122	-40517.2	917.05	0.00	-2.54			1.15			1 Z+
					0.00	0.00		1			1.828¹		
				Material	1		-2.54				-17.41		
				Bewehrung	2		-2.41	-1.41		-478.	1		
			2125	-37721.4	2956.64	0.00	-3.03	-0.62	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.540	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.03	-0.62		-20.0	-10.51		
				Bewehrung	2		-2.79	-0.86		-479.	-172.7		
			2126	-40863.8		0.00			1.50			11.88	
					0.00	0.00		-3.802	0.812		1.8281	11.88	2 Z-
				Material	1		-2.44				-18.27		
				Bewehrung	2		-2.34			-468.	-303.0		
			2129	-37721.4		0.00	-3.03			1.15	9.99	11.88	
					0.00	0.00					1.827¹	11.88	2 Z-
				Material	1		-3.03			-20.0			
			0.1.5.1	Bewehrung	2		-2.79			-479.	-172.7		4 -
			2130	-40863.8		0.00	-2.44				9.99	11.88	
				Mataut 1	0.00	0.00	2.44				1.8281	11.88	2 Z-
				Material	1		-2.44	1		-20.0	-18.27		
	1.003	2	2121	Bewehrung -46.8	4 22	0.00	-2.34 0.00			-468.	-303.0	nachgew.	
	1.003		2121		4.23	0.00	-2.59			1.15		_	1 7:
			2122	40234.0	0.00	0.00	-2.59				1.828 ¹	11.88	
				Material	1	0.00	-2.59		0.012	-20.0		11.00	
				Bewehrung	2		-2.45			-478.			
			2125	-37169.3	3358.81	0.00	-3.11				9.99	11.88	1 7+
					0.00	0.00	5.11				1.8271	11.88	
				Material	1	3.00	-3.11			-20.0	-9.14		
				Bewehrung	2		-2.85			-479.	-156.8		
			2126	_	-691.33	0.00	-2.46			1.15	9.99	11.88	1 Z+
					0.00	0.00					1.828 ¹	11.88	
				Material	1		-2.46	-1.39			-18.13		

Bruchbemessung Stäbe

Erforder	rliche Be	ewehru	ıng										
Stab			LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]		1	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi					Z	Fan-1	
				[kN]	[kN]	[kN]	_	[m]	[m]		[m]		
				Bezeichnur		£-0				σ-min			
				Schubschni	tt			Z/Zmax			N[kN]		
				Bewehrung	2		-2.35				-299.0		
			2129	-37169.3						1.15		11.88	1 7+
				3,103.3	0.00	0.00	3.11				1.827 ¹	11.88	
				Material			-3.11			-20.0			
				Bewehrung			-2.85				-156.8		
				-40806.1							9.99	11.88	1 Z+
					0.00						1.828¹		
				Material			-2.46				-18.13		
				Bewehrung			-2.35		l		-299.0		
1108	0.000	2		-46.8								nachgew.	
1100	0.000	-		-40294.6		0.00					9.99		1 7+
				1025110	0.00	0.00					1.828 ¹		I
				Material		0.00	-2.59				-16.87	11.00	
				Bewehrung			-2.45	1	ł		-269.4		
				-37169.3				-0.53		1.15			1 7+
			2123	3,103.3	0.00	0.00					1.827 ¹	11.88	
				Material	1	0.00	-3.11			-20.0		11.00	
				Bewehrung	2		-2.85	1	ł		-156.8		
				-40806.1			-2.46			1.15		11.88	1 7+
			2120	40000.1	0.00	0.00					1.828 ¹	11.88	
				Material	1			-1.39			-18.13	11.00	2 2-
				Bewehrung			-2.35		1		-299.0		
				-37169.3						1.15		11.88	1 74
			2123	-37109.3	0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.11		0.812	-20.0		11.00	2 2-
				Bewehrung	2		-2.85				-156.8		
				-40806.1						1.15		11.88	1 7.
			2130	-40800.1	0.00						1.828 ¹		
				Material	1			-1.39			-18.13	11.00	2 2-
							1	-1.49	1		-299.0		
	1.003	2		Bewehrung -46.8								nachgew.	
	1.003												1 7.
			2122	-40072.9			-2.64				9.99		
				M-+	0.00		2.64				1.8281	11.88	2 2-
				Material	1 2		-2.64				-16.33		
				Bewehrung			-2.49				-258.6	11 00	1 7.
			2125	-36633.3			-3.17			1.15		11.88	
					0.00	0.00	2.47				1.8271	11.88	2 2-
				Material	1		-3.17			-20.0			
				Bewehrung	2		-2.90				-142.2	44.00	4 -
			2126	-40748.8			-2.48			1.15		11.88	
				M-+	0.00	0.00	2 10				1.8281	11.88	2 Z-
				Material	1		-2.48	1			-17.98		
			24.25	Bewehrung	2 2 40 40			-1.48			-295.2	A	4 -
			2129	-36633.3	3749.19		-3.17			1.15		11.88	
					0.00	0.00					1.8271	11.88	2 Z-
				Material	1		-3.17	1	ł	-20.0			
				Bewehrung	2		-2.90			-479.			
			2130	-40748.8	-738.11		-2.48	-1.36		1.15			
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.48		ł		-17.98		
				Bewehrung	2		-2.37			-473.			
1109	0.000	2	2121	-46.8	4.79	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

Material 1	As Rai		Rang
ANI	2]		
Reverence			
Bezeichnung Schubschnitt Schub			
Schubschnitt E-C D/Dmax Z/Zmax T/Tm N[kN]			
1109			
Material 1			
Material 1 2 -2.64 -1.14 -20.0 -16.33 -2.49 -1.29 -4.78 -258.6 -2.49 -1.29 -4.78 -258.6 -2.49 -1.29 -4.78 -2.58.6 -2.49 -1.29 -4.78 -2.58.6 -2.49 -1.29 -4.78 -2.58.6 -2.49 -1.29 -4.78 -2.88	38 1 2	1	1 Z+
Bewehrung 2	38 2 2	2	2 Z-
2125			
Material 1			
Material 1 2 -3.17 -0.44 -20.0 -7.79 -479. -142.2 -22.00 -0.71 -479. -142.2 -22.00 -22.00 -22.00 -22.00 -22.00 -22.00 -22.00 -22.00 -22.00	38 1 2	1	1 Z+
Bewehrung 2 -2.90 -0.71 -479. -142.2	38 2 2	2	2 Z-
2126			
Material 1			
Material 1 2.48 -1.36 -20.0 -17.98 -2.37 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -1.50 1.15 9.99 11 -2.237 -1.48 -2.00 -7.79 -479. -142.2 -2.290 -0.71 -479. -142.2 -2.290 -0.71 -479. -142.2 -2.237 -1.48 -1.36 1.50 1.15 9.99 11 -2.48 -1.36 1.50 1.15 9.99 11 -2.37 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.237 -1.48 -473. -295.2 -2.253 -1.24 -478. -248.7 -2.253 -1.24 -478. -248.7 -2.253 -1.24 -478. -248.7 -2.253 -1.24 -478. -248.7 -2.253 -1.24 -478. -248.7 -2.253 -1.24 -478. -248.7 -2.263 -2	38 1 2	1	1 Z+
Bewehrung 2	38 2 2	2	2 Z-
2129			
Material 1			
Material 1	38 1 2	1	1 Z+
Bewehrung 2 -2.90 -0.71 -479. -142.2	38 2 2	2	2 Z-
2130			
Material 1			
Material 1	38 1 2	1	1 Z+
Bewehrung 2 -2.37 -1.48 -473. -295.2	38 2 2	2	2 Z-
1.003 2 2121			
2122			
Material 1			
Material 1 -2.69 -1.08 -20.0 -15.79 Bewehrung 2 -2.53 -1.24 -478. -248.7 2125 -36111.8 4128.90 0.00 -3.23 -0.36 1.50 1.15 9.99 11 Material 1 -3.23 -0.36 -20.0 -6.49 <th>38 1 2</th> <th>1</th> <th>1 Z+</th>	38 1 2	1	1 Z+
Bewehrung 2	38 2 2	2	2 Z-
2125 -36111.8			
Material 1			
Material 1 -3.23 -0.36 -20.0 -6.49 Bewehrung 2 -2.95 -0.64 -479. -128.8 2126 -40691.4 -784.87 0.00 -2.49 -1.34 1.50 1.15 9.99 11 Material 1 -2.49 -1.34 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -6.49 -20.0 -20.0 -6.49 -20.0	38 1	_	
Bewehrung 2 -2.95 -0.64 -479. -128.8 2126 -40691.4 -784.87 0.00 -2.49 -1.34 1.50 1.15 9.99 11 Material 1 -2.49 -1.34 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -17.84 -20.0 -20.0 -6.49 -20.0	38 2 2	2	2 Z-
2126 -40691.4 -784.87			
Material 1			
Material Bewehrung 1	38 1	_	
Bewehrung 2	38 2 2	2	2 Z-
2129 -36111.8 4128.90 0.00 -3.23 -0.36 1.50 1.15 9.99 11 0.00 0.00 1.267 0.812 0.812 1.827 11 Material 1 -3.23 -0.36 -20.0 -6.49 Bewehrung 2 -2.95 -0.64 -479128.8			
0.00 0.00 1.267 0.812-0.812 1.827¹ 11 Material 1 -3.23 -0.36 -20.0 -6.49 Bewehrung 2 -2.95 -0.64 -479. -128.8			
Material 1 -3.23 -0.36 -20.0 -6.49 Bewehrung 2 -2.95 -0.64 -479. -128.8	38 1		
Bewehrung 2 -2.95 -0.64 -479128.8	38 2 2	2	2 Z-
2130 -/10691 / -78/1 87 0.00 -2 /0 -1 2/ 1.50 1.15 0.00 11			
	38 1 2		
	38 2 2	2	2 Z-
Material 1 -2.49 -1.34 -20.0 -17.84			
Bewehrung 2 -2.38 -1.46 -476291.5			
1110 0.000 2 2121 -46.8 5.35 0.00 0.00 0.00 1.50 nicht nachgew		_	_
	38 1 2		
	38 2 2	2	2 Z-
Material 1 -2.69 -1.08 -20.0 -15.79			
Bewehrung 2 -2.53 -1.24 -478248.7			
	38 1 2		
	38 2 2	2	2 Z-
Material 1 -3.23 -0.36 -20.0 -6.49			
Bewehrung 2 -2.95 -0.64 -479128.8			
		1	
	38 1		
	38 1 2 38 2 2	2	2 Z-

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng										
Stab	x[m]			NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.38	-1.46		-476.	-291.5		
			2129	-36111.8	4128.89	0.00	-3.23	-0.36	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		1.267	0.812	0.812	1.827 ¹	11.88	2 Z
				Material	1		-3.23	-0.36		-20.0	-6.49		
				Bewehrung	2		-2.95	-0.64		-479.	-128.8		
			2130	-40691.4							9.99	11.88	1 Z
					0.00	0.00		-3.383	0.812	0.812	1.828 ¹	11.88	2 Z
				Material	1		-2.49				-17.84		
				Bewehrung	2		-2.38				-291.5		
	1.003	2	2121	-46.8	5.91				1.50			nachgew.	
				-39636.6		0.00	-2.73				9.99		1 Z
					0.00	0.00					1.827 ¹		
				Material	1		-2.73				-15.26		
				Bewehrung	2		-2.56	1		-478.	1		
			2125	-35604.6				-0.28		1.15		11.88	1 7
					0.00	0.00					1.827 ¹	11.88	_
				Material	1		-3.29			-20.0			
				Bewehrung	2		-2.99			-479.			
			2126	-40633.3		0.00		-1.32		1.15		11.88	1 7
					0.00	0.00					1.828¹	11.88	
				Material	1	3,00	-2.51		0.022		-17.69		
				Bewehrung	2		-2.39			-478.			
			2129	-35604.6		0.00		-0.28		1.15		11.88	1 7
				3300110	0.00	0.00					1.8271	11.88	
				Material	1		-3.29		0.012	-20.0		11.00	
				Bewehrung	2		-2.99			-479.			
			2130	-40633.3	_					1.15		11.88	1 7
			2130	-40055.5	0.00	0.00					1.8281		
				Material	1			-1.32			-17.69	11.00	
				Bewehrung			1	-1.44			-287.8		
1111	0.000	2	2121	-46.8								nachgew.	
1111	0.000	2										_	
			2122	-39636.6	1560.34		-2.73				9.99 1.827 ¹		
				Matania 1		0.00	2 72		0.812			11.00	2
				Material	1 2		-2.73				-15.26		
			2125	Bewehrung -35604.6			-2.56			1.15	-239.4		1 7
			2125	-33004.6	4498.08		-3.29				9.99 1.827 ¹	11.88	
				Matanial		0.00	2 20					11.88	2
				Material	1		-3.29			-20.0			
			2426	Bewehrung	2		-2.99			-479.		44 00	1 -
			2126	-40633.3	-832.00		-2.51	-1.32		1.15		11.88	
				Matarit - 1	0.00	0.00	2 54				1.8281	11.88	2 2
				Material	1		-2.51	1		-20.0	1		
			2425	Bewehrung	2 4400 00			-1.44		-478.		44.00	
			2129	-35604.6	4498.08		-3.29			1.15		11.88	_
					0.00	0.00			0.812		1.8271	11.88	2 Z
				Material	1		-3.29	1		-20.0			
				Bewehrung	2		-2.99			-479.			
			2130	-40633.3	-832.00		-2.51	-1.32		1.15		11.88	_
					0.00	0.00			0.812		1.8281	11.88	2 Z
				Material	1		-2.51				-17.69		
				Bewehrung	2		-2.39			-478.			
	1.003	2	2121	-46.8	6.47	0.00	0.00	0.00	1.50		nicht r	nachgew.	

Bruchbemessung Stäbe

forder	liche Be	ewehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	tt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1111	1.003	2	2122	-39421.8	1717.09	0.00	-2.77	-0.97	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		2.116	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.77	-0.97		-20.0	-14.73		
				Bewehrung	2		-2.59	-1.15		-478.			
			2125	-35111.6	4856.95	0.00	-3.34			1.15		11.88	
					0.00	0.00		1.151	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.34	-0.21		-20.0	-3.98		
				Bewehrung	2		-3.03	-0.52		-479.	-104.6		
			2126	-40570.1	-878.40	0.00	-2.53	-1.30	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-3.162	0.812	0.812	1.8281	11.88	2 Z-
				Material	1		-2.53	-1.30		-20.0	-17.54		
				Bewehrung	2		-2.40	-1.42		-478.	-284.2		
			2129	-35111.6	4856.95	0.00	-3.34	-0.21	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.151	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.34	-0.21		-20.0	-3.98		
				Bewehrung	2		-3.03	-0.52		-479.	-104.6		
			2130	-40570.1	-878.40	0.00			1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00				0.812	1.828¹	11.88	2 Z-
				Material	1		-2.53	-1.30		-20.0	-17.54		
				Bewehrung	2		-2.40		ł		-284.2		
1112	0.000	2	2121		6.47	0.00						nachgew.	
İ		•	2122	-39421.8		0.00					9.99		1 Z+
					0.00	0.00		2.116			1.827 ¹		
				Material	1		-2.77	-0.97			-14.73		
				Bewehrung	2		-2.59				-230.6		
				-35111.6	4856.95	0.00		-0.21		1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹		
				Material	1		-3.34				-3.98		
				Bewehrung	2		-3.03				-104.6		
			2126	-40570.1			-2.53					11.88	1 Z+
					0.00	0.00					1.828 ¹		
				Material	1		-2.53				-17.54		
				Bewehrung			-2.40				-284.2		
			2129	-35111.6			-3.34			1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.34			-20.0			
				Bewehrung			-3.03				-104.6		
			2130	-40570.1						1.15		11.88	1 Z+
					0.00	0.00					1.828 ¹		
				Material	1		-2.53				-17.54		
				Bewehrung	2		-2.40	ł	l .		-284.2		
	1.003	2	2121	-46.8	7.03				1.50			nachgew.	
				-39209.1	1872.23	0.00	-2.81				9.99	11.88	1 Z+
					0.00	0.00					1.827 ¹		
				Material	1		-2.81				-14.21		
				Bewehrung	2		-2.62				-222.4		
			2125	-34632.0	5206.01	0.00	-3.39			1.15		11.88	1 Z+
					0.00	0.00					1.8271	11.88	
				Material	1		-3.39			-20.0			
				Bewehrung	2		-3.07			-479.			
			2126	-40505.8	-925.42		-2.54			1.15		11.88	1 7+
			_120	10303.0	0.00	0.00					1.8281	11.88	
				Material	1	0.00		-1.28	3.312		-17.38	11.00	
				. IGCCI TOT			2.54	1.20		20.0	17.50		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.42	-1.40		-478.	-280.6		
			2129	-34632.0	5206.01	0.00	-3.39	-0.14	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		1.105	0.812	0.812	1.827 ¹	11.88	2 Z
				Material	1		-3.39	-0.14		-20.0	-2.77		
				Bewehrung	2		-3.07	-0.47		-479.	-93.70		
			2130	-40505.8			-2.54	-1.28	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		-3.062	0.812	0.812	1.828 ¹	11.88	2 Z
				Material	1		-2.54				-17.38		
					2		-2.42				-280.6		
1113	0.000	2	2121	-46.8	7.03				1.50			nachgew.	
				-39209.1		0.00	-2.81				9.99		1 Z
					0.00	0.00					1.827 ¹		
				Material	1		-2.81				-14.21		
				Bewehrung	2		-2.62			-478.	1		
			2125	-34632.0		0.00		-0.14		1.15		11.88	1 7
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.39			-20.0			
				Bewehrung	2		-3.07			-479.	1		
			2126	-40505.8		0.00				1.15		11.88	1 7
			2120	1030310	0.00	0.00					1.8281	11.88	
				Material	1	0.00		-1.28	0.012		-17.38	11.00	
				Bewehrung	2		-2.42			-478.			
			2129	-34632.0		0.00	_	-0.14		1.15		11.88	1 7
			2123	34032.0	0.00	0.00					1.8271	11.88	
				Material	1	0.00	-3.39		0.012	-20.0		11.00	
				Bewehrung	2		-3.07			-479.			
			2130	-40505.8					1 50	1.15		11.88	1 7
			2130	-40303.8	0.00	0.00					1.8281		_
				Material	1			-1.28			-17.38	11.00	
				Bewehrung				-1.40			-280.6		
	1.003	2	2121	-46.8								nachgew.	
	1.003		2121										
			2122	-38998.7	2025.68		-2.84				9.99 1.827 ¹		
				Matanial		0.00	2 04					11.00	2
				Material	1 2		-2.84				-13.69 -214.6		
			2125	Bewehrung -34165.3	_		-2.65					11 00	1 7
			2125	-34165.3			-3.44			1.15		11.88	
				Motori - 1	0.00	0.00	2.44		0.812		1.8271	11.88	2 2
				Material	1		-3.44			-20.0			
			2426	Bewehrung	2		-3.10			-479.		44 00	1 -
			2126	-40444.6			-2.56			1.15		11.88	
				Matari - 1	0.00	0.00	2.55		0.812		1.8281	11.88	2 2
				Material	1		-2.56			-20.0	1		
			2425	Bewehrung	2		-2.43			-478.		44.00	4 -
			2129	-34165.3	5545.56		-3.44			1.15		11.88	_
				M 1 1 3	0.00	0.00	2 1		0.812		1.8271	11.88	2 Z
				Material	1		-3.44	1		-20.0			
				Bewehrung	2		-3.10			-479.			
			2130	-40444.6	-970.17		-2.56			1.15		11.88	_
					0.00	0.00			0.812		1.828¹	11.88	2 Z
				Material	1		-2.56				-17.23		
				Bewehrung	2		-2.43			-478.			
1114	0.000	2	2121	-46.8	7.59	0.00	-0.00	0.00	1.50		nicht r	nachgew.	

Bruchbemessung Stäbe

rforder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]		[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	٤-0	ε-min		τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1114	0.000	2	2122	-38998.7	2025.68	0.00	-2.84	-0.88	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.921	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-2.84	-0.88		-20.0	-13.69		
				Bewehrung	2		-2.65	-1.07		-478.			
			2125	-34165.3			-3.44			1.15		11.88	
					0.00	0.00			0.812		1.827¹	11.88	2 Z-
				Material	1		-3.44			-20.0			
				Bewehrung			-3.10			-479.			
			2126	-40444.6			-2.56			1.15		11.88	_
					0.00	0.00			0.812		1.828¹	11.88	2 Z-
				Material	1		-2.56				-17.23		
				Bewehrung	2		-2.43			-478.			
			2129	-34165.3						1.15		11.88	
					0.00	0.00			0.812		1.827¹	11.88	2 Z-
				Material	1		-3.44	1		-20.0			
				Bewehrung	2		-3.10			-479.			
			2130	-40444.6						1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.56	1	ł		-17.23		
	1 000			Bewehrung	2 15		-2.43				-277.3	•	
	1.003	2	2121		8.15							nachgew. 11.88	1 7.
			2122	-38790.5		0.00					9.99 1.827 ¹		
				Material	0.00	0.00	-2.88				-13.17	11.00	2 2-
				Bewehrung	2		-2.67	1	ł		-207.2		
			2125	-33711.1		0.00				1.15		11.88	1 74
			2123	-33/11.1	0.00	0.00					1.8271	11.88	
				Material	1		-3.48				-0.45	11.00	2 2-
				Bewehrung	2		-3.14	1	ł		-73.73		
			2126	-40381.0			-2.57			1.15		11.88	1 7+
								-2.892					
				Material	1		-2.57				-17.08		
				Bewehrung			-2.44	1			-273.9		
			2129	-33711.1			-3.48			1.15		11.88	1 Z+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.48			-20.0			
				Bewehrung			-3.14				-73.73		
			2130	-40381.0	_					1.15		11.88	1 Z+
					0.00	0.00				0.812	1.8281		
				Material	1		-2.57	-1.24		-20.0	-17.08		
				Bewehrung	2		-2.44	-1.37		-478.	-273.9		
1115	0.000	2	2121	-46.8	8.15		-0.00	0.00	1.50		nicht r	nachgew.	
			2122	-38790.5		0.00	-2.88			1.15		11.88	
					0.00	0.00		1			1.827 ¹	11.88	2 Z-
				Material	1		-2.88				-13.17		
				Bewehrung	2		-2.67			-478.			
			2125	-33711.1	5876.07		-3.48			1.15		11.88	
					0.00	0.00		1			1.827 ¹	11.88	2 Z-
				Material	1		-3.48	1		-20.0			
				Bewehrung	2		-3.14			-479.			
			2126	-40381.0			-2.57			1.15		11.88	_
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.57	-1.24		-20.0	-17.08		

Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]		[0/00]	ı			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi					Z	FIE 3	
				[kN]	[kN]	[kN]		[m]	[m]		[m]		
				Bezeichnur		£-0				σ-min			
				Schubschni	tt		D/Dmax		ł		N[kN]		
				Bewehrung	2		-2.44				-273.9		
			2129	-33711.1						1.15		11.88	1 7+
				33,111	0.00	0.00					1.827 ¹	11.88	
				Material			-3.48			-20.0			
				Bewehrung				-0.37	ł		-73.73		
				-40381.0							9.99	11.88	1 Z+
					0.00	0.00					1.828¹		
				Material			-2.57				-17.08		
				Bewehrung			-2.44				-273.9		
	1.003	2		-46.8								nachgew.	
	1.005	_		-38584.4		0.00					9.99		1 7+
				3030111	0.00	0.00					1.827 ¹		1
				Material		0.00	-2.91				-12.66		
				Bewehrung			-2.70				-200.1		
				-33251.2				-0.32		1.15		11.88	1 7+
			2123	33231.2	0.00	0.00					1.827 ¹	11.88	
				Material			-3.50			-20.0		11.00	
				Bewehrung			-3.15		ł		-64.69		
				-40318.3			-2.59			1.15		11.88	1 7+
			2120	40310.3	0.00	0.00					1.828 ¹	11.88	
				Material				-1.22			-16.93	11.00	2 2-
				Bewehrung			-2.45		1		-270.7		
				-33251.2				-0.32		1.15		11.88	1 74
			2123	-33231.2	0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.50			-20.0		11.00	
				Bewehrung			-3.15				-64.69		
				-40318.3						1.15		11.88	1 7_
			2130	-40318.3	0.00						1.828 ¹		
				Material	1			-1.22			-16.93	11.00	2 2-
				Bewehrung				-1.35			-270.7		
1116	0.000	2		-46.8								nachgew.	
1110	0.000			-38584.4							9.99		1 7.
			2122	-38384.4	0.00						1.827 ¹		
				Material		0.00		-0.79			-12.66	11.00	2 2-
				Bewehrung	1 2		-2.91 -2.70				-200.1		
				-33251.2						1.15		11.88	1 7.
			2125	-25251.2	0.00	0.00	-3.50				1.827 ¹	11.88	
				Material	1	0.00	-3.50			-20.0		11.00	Z Z-
				Bewehrung			-3.50				-64.69		
				-40318.3								11.88	1 7.
			2126	-40318.3			-2.59			1.15	9.99 1.828 ¹		
				Matorial	0.00	0.00	2 50					11.88	2 2-
				Material	1		-2.59	1	ł		-16.93		
			2120	Bewehrung -33251.2				-1.35		1.15	-270.7	11.88	1 7.
			2129	-53231.2			-3.50						
				Matanial	0.00	0.00	2 50				1.8271	11.88	Z Z-
				Material	1		-3.50	1	ł	-20.0			
			2420	Bewehrung	1062 40		-3.15			-479.		11 00	1 7
			2130	-40318.3				-1.22		1.15			
				Matarit - 1	0.00	0.00					1.8281	11.88	2 2-
				Material	1		-2.59		ł		-16.93		
	4 00=		24.24	Bewehrung	2		-2.45			-478.			
	1.003	2	2121	-46.8	9.27	0.00	-0.00	0.00	1.50	1	nicht r	nachgew.	

Model Bruchbemessung Stäbe

Stab X(m) QNr	Erforder	liche Be	ewehru	ıng									4	
Iskm	Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Rang
Marterial 1			•		[kN]	-				1				
Bezeichnung 2 2126 3838.6 2476.38 0.00 2.94 0.75 1.50 1.15 1.00 31.88 2 2 2127 32782.6 6500.05 0.00														
					[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
1116					Bezeichnur	ng	E-0	ε-min	ε-max	τ-b	σ-min	σ-max		
Naterial 1 8ewehrung 2 -2.94 -0.75 -2.94 -1.15 -3.97 11.88 2 2 -3.2782.6 6500.05 0.00 -3.50 -0.28 1.50 1.15 1					Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
Naterial 2	1116	1.003	2	2122	-38380.6	2476.30	0.00	-2.94	-0.75	1.50	1.15	9.99	11.88	1 Z+
						0.00	0.00		1.708	0.812			11.88	2 Z-
Material 1 0.00 0.00 0.90														
Material				2125	-32782.6									
Bewehrung 2 -3.14 -0.28 -479, -55.64 -8 1.88 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 2 -8 2 2 -							0.00			0.812			11.88	2 Z-
Material 1 2.76 2.745 0.812 0.812 1.828 11.88 2.75 2.76 2.76 2.76 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2													11 00	4 -
Material 1 2.66 1.29 -3.78 -3.67 5 -3.28 -3.27 -3.28 -3.				2126	-40255.8									
					M-+		0.00			0.812			11.88	2 Z-
								1	1					
													11 00	1 7.
Material 1 0.350 0.08 -20.0 0.00 0.00 -479 -55.64 11.88 1 2 -40.25				2129	-32/82.6									
Bewehrung 2					Matonial		0.00						11.00	2 2-
1117 0.000 2 2121 -46.8 9.27 0.00 -2.745 0.812 -0.812								1		l .				
Naterial 1 1 2 2 2 2 2 2 3 3 2 2													11 88	1 7+
Material 1 2 2.60 -1.20 -20.0 -16.78				2130	4023310									
					Material		0.00						11.00	
1117 0.000 2 2121 -46.8 9.27 0.00 -0.00 0.00 1.50								1		ł				
	1117	0.000	2	2121									nachgew.	
			_											1 Z+
Material Bewehrung							0.00							
2125 -32782.6 6500.05 0.00					Material	1		-2.94						
Material 1 -3.56 0.98 -20.0 0.00					Bewehrung	2		-2.72	-0.97		-479.	-193.3		
Material 1 3.50 0.08 -20.0 0.00 -25.64				2125	-32782.6	6500.05	0.00	-3.50	-0.28	1.50	1.15	9.99	11.88	1 Z+
Bewehrung 2 -3.14 -0.28 -479. -55.64						0.00	0.00		0.970	0.812	0.812	1.827 ¹	11.88	2 Z-
2126					Material			-3.50	0.08		-20.0	0.00		
Material 1 -2.60 -1.20 -2.745 0.812 0.812 1.8281 11.88 2 2 -2.60 -1.20 -2.60 -1.20 -2.67.5 -					Bewehrung	2					-479.			
Material 1				2126	-40255.8			-2.60	-1.20					
Bewehrung 2 -2.46 -1.34 -478. -267.5													11.88	2 Z-
2129														
Material 1														
Material 1				2129	-32782.6									
Bewehrung 2 -3.14 -0.28 -479. -55.64					M-+ 1								11.88	2 Z-
2130														
Material 1						_							11 00	1 7.
Material 1				2130	-40233.8									
Bewehrung 2 -2.46 -1.34 -478. -267.5					Material		0.00						11.00	
1.003 2 2121 -46.8 9.83 0.00 -0.00 0.00 1.50 nicht nachgew. 2122 -38178.9 2623.31 0.00 -2.97 -0.71 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 1.651 0.812 -0.812 1.8271 11.88 2 Z- Material 1 -2.97 -0.71 -20.0 -11.65 Bewehrung 2 -2.74 -0.93 -479186.8 2125 -32314.0 6794.91 -0.00 -3.50 -0.23 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 0.942 0.812 -0.812 1.8271 11.88 2 Z- Material 1 -3.50 0.13 -20.0 0.00 Bewehrung 2 -3.14 -0.23 -47946.33 2126 -40193.4 -1153.71 0.00 -2.62 -1.18 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 -2.62 -1.18 1.50 1.15 9.99 11.88 1 Z+									1	l .				
2122 -38178.9 2623.31		1.003	2	2121									nachgew.	
Material 1			_					1						1 Z+
Material Bewehrung 1					32:313									
Bewehrung 2 -2.74 -0.93 -479. -186.8 -186.8 -186.8 -2125 -32314.0 6794.91 -0.00 -3.50 -0.23 1.50 1.15 9.99 11.88 1 Z+ Material 1 -3.50 0.13 -20.0 0.00 0.00 -3.14 -0.23 -479. -46.33 -479. -46.33 -20.0 0.00 0.00 -2.62 -1.18 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 0.00 -2.679 0.812+0.812 1.828¹ 11.88 2 Z-					Material									
2125 -32314.0 6794.91 -0.00 -3.50 -0.23 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 0.942 0.812-0.812 1.827¹ 11.88 2 Z- Material 1 -3.50 0.13 -20.0 0.00 Bewehrung 2 -3.14 -0.23 -47946.33 2126 -40193.4 -1153.71 0.00 -2.62 -1.18 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 -2.679 0.812-0.812 1.828¹ 11.88 2 Z-														
Material 1 -3.50 0.13 -20.0 0.00 0.942 0.812 0.812 1.8271 11.88 2 Z- 2 2 2 2 2 2 2 2 2								•					11.88	1 Z+
Material 1 -3.50 0.13 -20.0 0.00 Bewehrung 2 -3.14 -0.23 -47946.33 -2126 -40193.4 -1153.71 0.00 -2.62 -1.18 1.50 1.15 9.99 11.88 1 Z+ 0.00 0.00 0.00 0.00 -2.679 0.812-0.812 1.828 11.88 2 Z-														
2126 -40193.4 -1153.71					Material	1		-3.50	0.13		-20.0	0.00		
0.00 0.00 -2.679 0.812 0.812 1.828 ¹ 11.88 2 Z-								-3.14	-0.23		-479.	-46.33		
				2126	-40193.4			-2.62						
Material 1 -2.62 -1.18 -20.0 -16.62						0.00	0.00						11.88	2 Z-
					Material	1		-2.62	-1.18		-20.0	-16.62		

Bruchbemessung Stäbe

Erforder	rliche Be	ewehru	ing										
Stab			LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]		1	[0/00]			[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi					z	4	
				[kN]	[kN]	[kN]		[m]			[m]		
				Bezeichnur		£-0				σ-min			
				Schubschni	itt			Z/Zmax	1		N[kN]		
				Bewehrung			-2.47				-264.4		
			2129	-32314.0						1.15		11.88	1 Z+
					0.00	0.00					1.827¹	11.88	
				Material			-3.50			-20.0			
				Bewehrung			1	-0.23	1		-46.33		
				-40193.4							9.99		1 Z+
					0.00						1.828¹		
				Material			-2.62				-16.62		
				Bewehrung			-2.47		l .		-264.4		
1118	0.000	2		-46.8								nachgew.	
		_		-38178.9		0.00					9.99		1 Z+
					0.00	0.00					1.827 ¹		1
				Material			-2.97				-11.65		_
				Bewehrung			-2.74				-186.8		
				-32314.0						1.15		11.88	1 7+
				3232.00	0.00	0.00					1.827 ¹	11.88	
				Material	1	0.00	-3.50			-20.0		11.00	
				Bewehrung			-3.14	1	1		-46.33		
				-40193.4			-2.62			1.15		11.88	1 7+
				1013311	0.00	0.00					1.828 ¹	11.88	
				Material			-2.62				-16.62	11.00	
				Bewehrung			-2.47		1		-264.4		
				-32314.0			_			1.15	9.99	11.88	1 7+
			2123	32314.0	0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.50			-20.0		11.00	
				Bewehrung			-3.14		1		-46.33		
				-40193.4						1.15		11.88	1 7+
			2130	40155.4	0.00						1.8281		
				Material	1			-1.18			-16.62	11.00	
				Bewehrung				-1.32	l .		-264.4		
	1.003	2		-46.8								nachgew.	
	1.005			-37979.7							9.99		1 7⊥
			2122	-3/9/9.7	0.00						1.827 ¹		
				Material	1	0.00	-3.00				-11.16		Z Z-
				Bewehrung			-2.76		1		-180.6		
				-31846.3	_					1.15		11.88	1 7_
			2123	-21040.3	0.00	0.00	-3.30				1.827 ¹	11.88	
				Material	1	0.00	-3.50			-20.0		11.00	
				Bewehrung			-3.50		l .		-36.78		
				-40131.3						1.15	9.99	11.88	1 7_
			2120	-40131.3	0.00	0.00	-2.03				1.828 ¹	11.88	
				Material	1	0.00	-2.63				-16.47	11.08	Z Z-
				Bewehrung			1	-1.31			-261.4		
			2120	-31846.3						1.15		11.88	1 7:
			2129	-51040.3			-3.50				1.827 ¹		
				Material	0.00	0.00	_2 _0			-20.0		11.88	Z Z-
					1		-3.50	1	ł		0.00		
			2120	Bewehrung	1100 11		-3.13			-479.		11 00	1 7.
			2130	-40131.3			-2.63	-1.16		1.15	9.99	11.88	
				Motori - 1	0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.63		ł .		-16.47		
1110	0.000	_	24.24	Bewehrung	10.20		-2.48			-478.		·	
1119	0.000	2	2121	-46.8	10.39	0.00	-0.00	0.00	1.50		nıcnt r	nachgew.	

Bruchbemessung Stäbe

rforder	liche Be	wehru	ing									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]		[-]	[-]	[cm2]	_
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+		z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	٤-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1119	0.000	2	2122	-37979.7	2768.44	0.00	-3.00	-0.67	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.600	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.00	-0.67		-20.0	-11.16		
				Bewehrung	2		-2.76	-0.90		-479.			
			2125	-31846.3			-3.50			1.15		11.88	
					0.00	0.00			0.812		1.827¹	11.88	2 Z-
				Material	1		-3.50			-20.0	0.00		
				Bewehrung			-3.13			-479.			
			2126	-40131.3			-2.63			1.15		11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.63				-16.47		
				Bewehrung	2		-2.48			-478.			
			2129	-31846.3						1.15		11.88	
					0.00	0.00			0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.50			-20.0			
				Bewehrung	2		-3.13			-479.			
			2130	-40131.3		0.00				1.15			
					0.00	0.00					1.8281	11.88	2 Z-
				Material	1		-2.63		ł		-16.47		
	1 000			Bewehrung	2		-2.48	_			-261.4		
	1.003	2	2121									nachgew.	1 7.
			2122	-37781.8		0.00		-0.63			9.99 1.827 ¹		
				Material	0.00	0.00	-3.02				-10.66	11.00	2 2-
				Bewehrung	2		-2.79		ł		-174.5		
			2125	-31379.4				-0.13		1.15		11.88	1 71
			2123	-313/9.4	0.00	0.00					1.8271	11.88	
				Material	1		-3.50			-20.0		11.00	2 2-
				Bewehrung	2		-3.13	1	ł		-26.97		
			2126	-40069.4			-2.64					11.88	1 7+
				40003.4							1.8281		
				Material	1	0.00	-2.64				-16.32	11.00	
				Bewehrung			-2.49				-258.5		
			2129	-31379.4			-3.50			1.15		11.88	1 7+
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.50			-20.0	0.00		
				Bewehrung			-3.13			-479.			
			2130	-40069.4						1.15	9.99	11.88	1 Z+
					0.00	0.00					1.828¹		
				Material	1		-2.64				-16.32		
				Bewehrung	2		-2.49	1	ł		-258.5		
1120	0.000	2	2121	-46.8	10.95				1.50			nachgew.	
			2122	-37781.8	2912.68	0.00	-3.02			1.15		11.88	1 Z+
					0.00	0.00		1.554	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.02	-0.63		-20.0	-10.66		
				Bewehrung	2		-2.79	-0.87		-479.	-174.5		
			2125	-31379.4	7350.98	0.00	-3.50	-0.13		1.15		11.88	1 Z+
					0.00	0.00				0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50		i .	-20.0	0.00		
				Bewehrung	2		-3.13			-479.			
			2126	-40069.4	-1244.36		-2.64			1.15		11.88	_
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.64	-1.14		-20.0	-16.32		

Bruchbemessung Stäbe

forder	liche Be	ewehru	ıng										
Stab	x[m]	QNr		NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.49	-1.29		-478.	-258.5		
			2129	-31379.4	7350.98	0.00	-3.50	-0.13	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		0.886	0.812	0.812	1.827 ¹	11.88	2 Z
				Material	1		-3.50	0.24		-20.0	0.00		
				Bewehrung	2		-3.13	-0.13		-479.	-26.97		
			2130	-40069.4		0.00	-2.64		1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		-2.561	0.812	0.812	1.828 ¹	11.88	2 Z
				Material			-2.64				-16.32		
				Bewehrung			-2.49				-258.5		
	1.003	2	2121	-46.8					1.50			nachgew.	
				-37586.3		0.00	-3.05				9.99		1 Z
					0.00	0.00					1.827 ¹		
				Material	1	3.00	-3.05				-10.18		
				Bewehrung	2		-2.81			-479.	1		
			2125	-30913.1		0.00		-0.08		1.15		11.88	1 Z
					0.00	0.00					1.827 ¹	11.88	
				Material	1		-3.50		0.022	-20.0			
				Bewehrung	2		-3.12			-479.			
			2126	-40007.6		0.00				1.15		11.88	1 7
					0.00	0.00					1.828¹	11.88	
				Material	1			-1.12	0.022		-16.17		
				Bewehrung	2		-2.50			-478.			
			2129	-30913.1		0.00				1.15		11.88	1 7
			2123	30313.1	0.00	0.00					1.8271	11.88	
				Material	1	0.00	-3.50		0.012	-20.0		11.00	
				Bewehrung	2		-3.12			-479.			
			2130	-40007.6						1.15		11.88	1 7
			2130	40007.0	0.00	0.00					1.8281	11.88	_
				Material	1	0.00		-1.12			-16.17	11.00	
				Bewehrung				-1.28			-255.6		
1121	0.000	2	2121	-46.8								nachgew.	
1121	0.000	2										_	
			2122	-37586.3	3055.08		-3.05				9.99 1.827 ¹		
				Material		0.00	2.05				-10.18	11.00	
					1 2		-3.05						
			2125	Bewehrung			-2.81				-168.7	11 00	1 7
			2125	-30913.1			-3.50			1.15		11.88	
				Mataut - 1	0.00	0.00	2 50		0.812		1.8271	11.88	2
				Material	1		-3.50			-20.0			
			2426	Bewehrung	1200 47		-3.12			-479.		44 00	1 -
			2126	-40007.6			-2.66			1.15		11.88	_
				M-4 1	0.00	0.00	2				1.8281	11.88	2 2
				Material	1		-2.66	1		-20.0			
			2425	Bewehrung	2		-2.50			-478.		44.00	4 -
			2129	-30913.1			-3.50			1.15		11.88	_
					0.00	0.00			0.812		1.8271	11.88	2 Z
				Material	1		-3.50	1		-20.0			
				Bewehrung	2		-3.12			-479.			
			2130	-40007.6		0.00	-2.66	-1.12		1.15		11.88	_
					0.00	0.00			0.812		1.8281	11.88	2 Z
				Material	1		-2.66				-16.17		
				Bewehrung	2		-2.50			-478.			
	1.003	2	2121	-46.8	12.07	0.00	-0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
		•		[kN]	[kNm]		1	[0/00]	1		[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn		e+		z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	E-0		ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1121	1.003	2	2122	-37392.8	3195.99	0.00	-3.08	-0.56	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.472	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.08	-0.56		-20.0	-9.69		
				Bewehrung			-2.83	-0.82		-479.	-163.1		
			2125	-30449.0				-0.03		1.15	9.99	11.88	
					0.00	0.00			0.812		1.827¹	11.88	2 Z-
				Material	1		-3.50			-20.0	0.00		
				Bewehrung			-3.11			-479.			
			2126	-39946.0				-1.11		1.15		11.88	
					0.00	0.00			0.812		1.8281	11.88	2 Z-
				Material	1		-2.67	1			-16.02		
				Bewehrung			-2.51				-252.8	11 00	1 7:
			2129	-30449.0	0.00	0.00				1.15	9.99 1.827 ¹	11.88 11.88	
				Material	1	0.00	-3.50		0.812	-20.0		11.88	2 Z-
				Bewehrung	2		-3.50			-479.			
				-39946.0						1.15		11.88	1 7+
			2130	-33340.0	0.00	0.00		_	I		1.828 ¹		
				Material	1	0.00	-2.67		0.012		-16.02	11.00	
				Bewehrung	2		-2.51				-252.8		
1122	0.000	2	2121									nachgew.	
	0.000	_		-37392.8		0.00				1.15			1 Z+
				5151215	0.00	0.00	_				1.827 ¹	11.88	
				Material	1		-3.08			-20.0			
				Bewehrung	2		-2.83	-0.82		-479.			
				-30449.0	7862.52	0.00	-3.50	-0.03	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.830	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.50	0.35		-20.0	0.00		
				Bewehrung	2		-3.11	-0.03		-479.	-6.56		
			2126	-39946.0			-2.67	-1.11				11.88	
					0.00	0.00		-2.456				11.88	2 Z-
				Material			-2.67				-16.02		
				Bewehrung			-2.51				-252.8		
			2129	-30449.0						1.15		11.88	
					0.00						1.827¹	11.88	2 Z-
				Material				0.35		-20.0			
			24.20	Bewehrung				-0.03		-479.		44.00	4 -
			2130	-39946.0						1.15			
				Matanial	0.00						1.8281		Z Z-
				Material	1		-2.67			-20.0 -478.			
	1.003	2	2121	Bewehrung -46.8	12.64		-2.51 -0.00		1.50			nachgew.	
	1.003			-37201.4		0.00	-3.10				9.99		1 7_
			2122	5,201.4	0.00	0.00					1.827 ¹		
				Material	1	0.00	-3.10		3.312	-20.0		11.00	
				Bewehrung	2		-2.84			-479.			
			2125	-29984.2						1.15		11.88	1 Z+
					0.00	0.00					1.625 ²	11.88	
				Material	1		-3.50			-20.0			
				Bewehrung			-3.11			-479.			
			_	-39884.7								11.88	1 Z+
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.68	-1.09		-20.0	-15.87		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ing										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	у-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.52	-1.25		-478.	-250.0		
			2129	-29984.2	8102.42	0.00	-3.50	0.02	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		0.802	0.812	0.270	1.625²	11.88	2 Z
				Material	1		-3.50	0.41		-20.0	0.00		
				Bewehrung	2		-3.11	0.02		-479.	4.10		
			2130	-39884.7			-2.68	-1.09	1.50	1.15		11.88	1 Z
					0.00	0.00		-2.409	0.812	0.812	1.828 ¹	11.88	2 Z
				Material	1		-2.68			-20.0			
				Bewehrung	2		-2.52	-1.25		-478.			
1123	0.000	2	2121	-46.8					1.50			nachgew.	
				-37201.4		0.00	-3.10			1.15			1 Z
					0.00	0.00					1.827 ¹		
				Material	1		-3.10	-0.53		-20.0			
				Bewehrung	2		-2.84			-479.			
			2125	-29984.2		0.00		0.02		1.15	9.99	11.88	1 7
					0.00	0.00					1.625 ²	11.88	
				Material	1	3,00	-3.50		0.022	-20.0			
				Bewehrung	2		-3.11			-479.	4.10		
			2126	-39884.6		0.00				1.15	9.99	11.88	1 7
			2120	3300110	0.00	0.00					1.8281	11.88	
				Material	1	0.00	-2.68		0.012		-15.87	11.00	
				Bewehrung	2		-2.52			-478.			
			2129	-29984.2		0.00	-3.50	0.02		1.15	9.99	11.88	1 7
			2123	-23364.2	0.00	0.00					1.625 ²	11.88	
				Material	1	0.00	-3.50		0.812	-20.0		11.00	2
				Bewehrung	2		-3.11			-479.	4.10		
			2120	-39884.6						1.15	9.99	11.88	1 7
			2130	-39004.0	0.00	0.00					1.828 ¹	11.88	_
				Material	1			-1.09			-15.87	11.00	2 2
							1	-1.25			-250.0		
	1.003	2	2121	Bewehrung -46.8								nachgew.	
	1.003	2								+		_	_
			2122	-37011.8			-3.13			1.15			
				Mataut - 1	0.00	0.00	2 42				1.8271	11.88	2 2
				Material	1		-3.13			-20.0			
			2425	Bewehrung	2		-2.86			-479.			1 -
			2125	-29521.3			-3.50	0.08		1.15	9.99	11.88	
				M-+ 1 7	0.00	0.00	2 = 6		0.812		1.6252	11.88	2 2
				Material	1		-3.50			-20.0			
			0.1.5.5	Bewehrung	2		-3.10			-479.			
			2126	-39823.5			-2.69			1.15		11.88	_
					0.00	0.00					1.8281	11.88	2 Z
				Material	1		-2.69	1		-20.0	1		
				Bewehrung	2		-2.53			-478.			
			2129	-29521.3			-3.50	0.08		1.15		11.88	_
					0.00	0.00			0.812		1.625²	11.88	2 Z
				Material	1		-3.50	1		-20.0			
				Bewehrung	2		-3.10			-479.			
			2130	-39823.5			-2.69			1.15		11.88	_
					0.00	0.00			0.812		1.8281	11.88	2 Z
				Material	1		-2.69				-15.72		
				Bewehrung	2		-2.53	-1.24		-478.			
1124	0.000	2	2121	-46.8	13.20	0.00	-0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng										
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	ε-min	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1124	0.000	2	2122	-37011.8	3473.51	0.00	-3.13	-0.50	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.402	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.13	-0.50		-20.0	-8.74		
				Bewehrung	2		-2.86	-0.76		-479.	-152.4		
			2125	-29521.3	8331.06	0.00	-3.50	0.08	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.774	0.812	0.282	1.625²	11.88	2 Z-
				Material	1		-3.50	0.47		-20.0	0.00		
				Bewehrung	2		-3.10	0.08		-479.	15.03		
			2126	-39823.5	-1423.86	0.00	-2.69	-1.07	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.363	0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.69	-1.07		-20.0	-15.72		
				Bewehrung	2		-2.53	-1.24		-478.	-247.3		
			2129	-29521.3	8331.06	0.00	-3.50	0.08	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00			0.812		1.625²	11.88	2 Z-
				Material	1		-3.50	0.47		-20.0	0.00		
				Bewehrung	2		-3.10	0.08		-479.			
			2130	-39823.5	-1423.86	0.00	-2.69				9.99	11.88	
					0.00	0.00			0.812	0.812	1.828¹	11.88	2 Z-
				Material	1		-2.69	-1.07		-20.0	-15.72		
				Bewehrung	2		-2.53	-1.24		-478.	-247.3		
	1.003	2	2121	-46.8	13.76	0.00	-0.00	0.00			nicht r	nachgew.	
			2122	-36824.3	3610.10	0.00	-3.15	-0.47	1.50		9.99	11.88	1 Z+
					0.00	0.00			0.812		1.827 ¹	11.88	2 Z-
				Material	1		-3.15	-0.47		-20.0			
				Bewehrung	2		-2.88	-0.74		-479.			
			2125	-29058.6	8549.38	0.00	-3.50	0.13			9.99	11.88	
					0.00	0.00			0.812		1.625²	11.88	2 Z-
				Material	1		-3.50	0.53		-20.0	0.00		
				Bewehrung	2		-3.10	0.13		-479.			
			2126	-39762.5		0.00	-2.71	-1.06			9.99	11.88	
					0.00	0.00		-2.321				11.88	2 Z-
				Material	1		-2.71	-1.06			-15.57		
				Bewehrung	2		-2.54				-244.7		
			2129	-29058.6		0.00	-3.50	0.13		1.15	9.99	11.88	
					0.00	0.00			0.812		1.6252	11.88	2 Z-
				Material	1		-3.50	0.53		-20.0	0.00		
			04-55	Bewehrung	2		-3.10	0.13		-479.	26.30		4 -
			2130	-39762.5		0.00	-2.71	-1.06			9.99	11.88	
					0.00	0.00	2 -				1.8281	11.88	2 Z-
				Material	1		-2.71	-1.06	ł	-20.0			
440-	0.000		2424	Bewehrung	2	0.00	-2.54	-1.22		-478.		1-	
1125	0.000	2	2121	-46.8	13.76	0.00	-0.00	0.00				nachgew.	1 7
			2122	-36824.3	3610.10	0.00	-3.15	-0.47				11.88	
				Motori - 1	0.00	0.00	2.45		0.812	0.812		11.88	2 Z-
				Material	1		-3.15	-0.47		-20.0	-8.27		
			2125	Bewehrung	2 2 20 30	0.00	-2.88	-0.74		-479.	-147.3	11 00	1 7.
			2125	-29058.6	8549.39	0.00	-3.50	0.13		1.15	9.99	11.88	
				Motori - 1	0.00	0.00	2.50		0.812	0.293		11.88	2 Z-
				Material	1		-3.50	0.53		-20.0	0.00		
			2425	Bewehrung	1469 40	0.00	-3.10	0.13		-479.	26.30	44 00	1 7
			2126	-39762.5		0.00	-2.71	-1.06		1.15	9.99	11.88	
				Matari - 1	0.00	0.00	2 74				1.8281	11.88	2 Z-
				Material	1		-2.71	-1.06		-20.0	-15.57		

Bruchbemessung Stäbe

rforder	liche Be	ewehru	ıng										
Stab	x[m]		LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Ran
				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0				σ-min	σ-max		
				Schubschni		ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.54			-478.			
			2129	-29058.6					1.50	1.15	9.99	11.88	1 Z
					0.00	0.00			0.812	0.293	1.625²	11.88	2 Z
				Material	1		-3.50			-20.0	0.00		
				Bewehrung	2		-3.10	1		-479.			
			2130	-39762.5						1.15		11.88	1 Z
					0.00	0.00					1.828 ¹		
				Material	1		-2.71				-15.57		
				Bewehrung			-2.54			-478.			
	1.003	2	2121	-46.8					1.50			nachgew.	
	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		-36638.6		0.00				1.15			1 7
					0.00	0.00					1.8271		
				Material	1	0.00	-3.17			-20.0		11.50	
				Bewehrung	2		-2.90			-479.			
			2125	-28597.6		0.00				1.15		11.88	1 7
					0.00	0.00					1.625 ²	11.88	
				Material	1	0.00	-3.50		0.012	-20.0		11.00	
				Bewehrung	2		-3.09	1		-479.	1		
			2126	-39701.7		0.00				1.15	9.99	11.88	1 7
			2120	3370117	0.00	0.00					1.8281	11.88	
				Material	1	0.00	-2.72				-15.42	11.00	
				Bewehrung	2		-2.55		1	-478.			
			2129	-28597.6		0.00				1.15	9.99	11.88	1 7
			2123	-28337.0	0.00	0.00					1.625 ²	11.88	
				Material	1		-3.50		0.012	-20.0		11.00	
				Bewehrung	2		-3.09			-479.			
			2130	-39701.7						1.15		11.88	1 7
			2130	-39701.7	0.00	0.00					1.828 ¹	11.88	_
				Material	1			-1.04			-15.42	11.00	
				1				-1.21			-242.1		
1126	0 000	2	2121	Bewehrung -46.8								nachgew.	
1126	0.000	2											
			2122	-36638.6						1.15			
				Mataut - 1	0.00	0.00					1.8271	11.88	2 2
				Material	1		-3.17		1	-20.0			
			2425	Bewehrung	2		-2.90			-479.		44 00	1 -
			2125	-28597.6						1.15	9.99	11.88	
				Mat 1	0.00	0.00			0.812		1.6252	11.88	2 2
				Material	1		-3.50			-20.0			
			2425	Bewehrung			-3.09			-479.		A	4 -
			2126	-39701.7						1.15		11.88	_
					0.00	0.00					1.8281	11.88	2 Z
				Material	1		-2.72		1	-20.0	1		
				Bewehrung	2		-2.55			-478.			
			2129	-28597.6						1.15		11.88	_
					0.00	0.00			0.812		1.625²	11.88	2 Z
				Material	1		-3.50	1		-20.0			
				Bewehrung	2		-3.09			-479.			
			2130	-39701.7						1.15		11.88	_
					0.00	0.00					1.8281	11.88	2 Z
				Material	1		-2.72		ł		-15.42		
				Bewehrung	2		-2.55			-478.			
	1.003	2	2121	-46.8	14.88	0.00	-0.00	0.00	1.50		nicht r	nachgew.	

Model Bruchbemessung Stäbe

Erforder	liche Be	ewehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
		•		[kN]	[kNm]		[0/00]	i .	1	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ng	ε-0	1	ε-max	τ-b	σ-min	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
1126	1.003	2	2122	-36454.8	3879.13	0.00	-3.19	-0.41	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		1.314	0.812	0.812	1.827 ¹	11.88	2 Z-
				Material	1		-3.19	-0.41		-20.0	-7.35		
				Bewehrung	2		-2.91	-0.69		-479.	-137.5		
			2125	-28137.2	8953.68	0.00	-3.50	0.25	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		0.691	0.812	0.316	1.625²	11.88	2 Z-
				Material	1		-3.50	0.67		-20.0	0.00		
				Bewehrung	2		-3.08	0.25		-479.	49.79		
			2126	-39641.0	-1557.09	0.00	-2.73	-1.03	1.50	1.15	9.99	11.88	1 Z+
					0.00	0.00		-2.242	0.812	0.812	1.828 ¹	11.88	2 Z-
				Material	1		-2.73	-1.03		-20.0	-15.27		
				Bewehrung	2		-2.56	-1.20			-239.5		
				-28137.2				0.25		1.15		11.88	1 Z+
					0.00	0.00				0.316	1.625²	11.88	
				Material	1		-3.50			-20.0			
				Bewehrung	2		-3.08	0.25		-479.			
				-39641.0				-1.03		1.15		11.88	1 Z+
					0.00	0.00					1.828¹		
				Material	1		-2.73				-15.27		
				Bewehrung	2		-2.56				-239.5		
1127	0.000	2	2121		14.88							nachgew.	
1127	0.000	_		-36454.8		0.00		-0.41		1.15			1 7+
			2122	30434.0	0.00	0.00					1.827 ¹		
				Material	1	0.00	-3.19	-0.41	0.012	-20.0		11.00	
				Bewehrung	2		-2.91	-0.69		-479.			
				-28137.2				0.25		1.15	9.99	11.88	1 7_
			2123	-20137.2	0.00	0.00					1.625 ²	11.88	
				Material	1		-3.50		0.812	-20.0	0.00	11.00	2 2-
				Bewehrung	2		-3.08			-479.			
				-39641.0						1.15		11.88	1 7.
			2126	-39041.0	0.00		-2./3	-2.242				11.88	
				Matanial			-2.73	1			-15.27	11.00	2 2-
				Material Bewehrung				-1.03			-239.5		
				-28137.2						1.15			1 7.
			2129	-28137.2									
				Matarial	0.00						1.6252	11.88	2 2-
				Material				0.67		-20.0			
				Bewehrung				0.25		-479.		44 00	1 7.
			2130	-39641.0						1.15			
				Matau - 1	0.00	0.00					1.8281		2 2-
				Material	1		-2.73	1	l .		-15.27		
	1 000		2424	Bewehrung			-2.56				-239.5		
	1.003	2	-	-46.8	15.44				1.50			nachgew.	
			2122	-36272.5		0.00	-3.21				9.99		
					0.00	0.00					1.8271		2 Z-
				Material	1		-3.21	-0.38			-6.89		
				Bewehrung	2		-2.93				-132.8		
			2125	-27679.9				0.31		1.15			
					0.00	0.00					1.625²	11.88	2 Z-
				Material	1		-3.50			-20.0			
				Bewehrung			-3.08			-479.			
			2126	-39580.5			1					11.88	
					0.00	0.00					1.828¹	11.88	2 Z-
				Material	1		-2.74	-1.01		-20.0	-15.12		

Bruchbemessung Stäbe

Erforderliche Reweh

forder:	liche Be	wehru	ıng									4	
Stab	x[m]	QNr	LF	NRd	MyRd	MzRd	ε-1	ε-2	ү-с	γ-s	rel	As	Rang
ĺ				[kN]	[kNm]	[kNm]	[0/00]	[0/00]	[-]	[-]	[-]	[cm2]	
				ΔNi	ΔVyi	ΔVzi	yn	zn	e+	e-	z		
				[kN]	[kN]	[kN]	[m]	[m]	[m]	[m]	[m]		
				Bezeichnur	ıg	ε-0	ε-min	ε-max	τ-b	$\sigma\text{-min}$	σ-max		
				Schubschni	itt	ε-c	D/Dmax	Z/Zmax	T/Tm		N[kN]		
				Bewehrung	2		-2.57	-1.19		-478.	-237.0		
			2129	-27679.9	9139.38	0.00	-3.50	0.31	1.50	1.15	9.99	11.88	1 Z-
					0.00	0.00		0.664	0.812	0.327	1.625²	11.88	2 Z
				Material	1		-3.50	0.73		-20.0	0.00		
				Bewehrung	2		-3.08	0.31		-479.	62.00		
			2130	-39580.5	-1601.26	0.00	-2.74	-1.01	1.50	1.15	9.99	11.88	1 Z
					0.00	0.00		-2.205	0.812	0.812	1.828¹	11.88	2 Z
				Material	1		-2.74	-1.01		-20.0	-15.12		
				Bewehrung	2		-2.57	-1.19		-478.	-237.0		
1128	0.000	2			15.44	0.00	-0.00	0.00	1.50			nachgew.	
				-36272.5		0.00				1.15			1 Z
					0.00	0.00					1.827 ¹		_
				Material	1		-3.21			-20.0			
				Bewehrung	2		-2.93			-479.			
				-27679.9		0.00				1.15		11.88	1 Z
					0.00	0.00					1.625 ²	11.88	_
				Material	1		-3.50		0.022	-20.0			
				Bewehrung	2		-3.08			-479.	1		
				-39580.5		0.00				1.15		11.88	1 7
			2120	33300.3	0.00	0.00					1.828 ¹	11.88	_
				Material	1	0.00	-2.74				-15.12	11.00	2 2
				Bewehrung	2		-2.57			-478.			
				-27679.9		0.00						11.88	1 7
			2129	-2/0/9.9	0.00	0.00					1.625 ²	11.88	_
				Material	1	0.00			0.012	-20.0		11.00	2 2
							-3.50 -3.08						
				Bewehrung	2					-479.		11 00	1 7
			2130	-39580.5	7 6					1.15	9.99 1.828 ¹	11.88	_
					0.00	0.00						11.88	2 2
				Material			-2.74	1	1		-15.12		
	1 000			Bewehrung			-2.57				-237.0		
	1.003	2		-46.8			-0.00					nachgew.	
			2122	-36092.0				-0.35		1.15			_
					0.00						1.827 ¹		2 Z
				Material	1		-3.24			-20.0			
				Bewehrung	2		-2.95			-479.			
			2125	-27223.3					1.50				_
					0.00	0.00					1.625²	11.88	2 Z
				Material	1		-3.50			-20.0			
				Bewehrung	2		-3.07			-479.			
			2126	-39520.2					1.50				_
					0.00	0.00					1.8281	11.88	2 2
				Material	1		-2.75	-1.00		-20.0	-14.97		
				Bewehrung	2		-2.58	-1.17		-478.	-234.6		
			2129	-27223.3	9314.97	0.00	-3.50			1.15			1 Z
					0.00	0.00		0.636	0.812	0.338	1.625²	11.88	2 Z
				Material	1		-3.50	0.80		-20.0	0.00		
				Bewehrung	2		-3.07	0.37		-479.	74.58		
				-39520.2						1.15			1 Z
					0.00	0.00					1.828¹	11.88	_
											-14.97		
				Material	1		-2./5	-1.00		-20.0	-14.9/		

Hebelarm wurde geschätzt. Hebelarm wurde wegen der relativen Tragfähigkeit erhöht.

Hebelarm auf Druckseite wurde auf die Lage der Druckbewehrung reduziert.

Model

Bruchbemessung Stäbe

NRd,MyRd,MzRd aufnehmbare Schnittgrößen rel relative Tragfähigkeit Dehnungen in den außenliegenden effektiven Fasern Längsbewehrung je Rang γ-c Sicherheitsbeiwert Beton Rang Bewehrungsrang Sicherheitsbeiwert Bewehrung ΔNi angesetzte Längskraft aus Querkraft und Torsion ΔVyi,ΔVzi Veränderung der Querkräfte aus dem Spannungszuwachs der Spannstränge Schnittpunkte der Nulllinie mit den lokalen Koordinatenachsen yn,zn e+,e-Abstand der resultierenden Druck- und Zugkräfte zum Schwerpunkt ansetzbarer Hebelarm der inneren Kräfte für den Schubnachweis (Einfluss der Lage der Druckbewehrung) ε-0 Reduktion der Spannstahlspannung infolge Verbund ε-min,ε-max Dehnungen τ-b Verbundspannung Dehnungen in der Mitte von Gurtflächen D/Dmax,Z/Zmax,T/Tm Verhältnis von abgetrennter Druckkraft D und Zugkraft Z sowie zum maximalen Schubfluß 1 N[kN] anteilige Längskraft im abgetrennten Querschnittsteil

Schubtragfähigkeitsnachweise

Bemessung Schub Eurocode EN 1992 (2004) / AT

Mat	f-cd	τ-rd	σ-сν	σ-ct	σ-cv+t	f-yd
	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]
1	20.00	0.12	10.56	10.56	10.56	
2						478.26
f-cd	Bemessungsw	ert der Betonf	estigkeit			
τ-rd	Bemessungsw	ert des Schubs	für den Beton	anteil		
σ-cv	zulässige H	auptdruckspann	ung aus Querkr	aft		
σ-ct	zulässige H	auptdruckspann	ung aus Torsio	n		
σ-cv+t	zulässige H	auptdruckspann	ung			
f-yd	Bemessungsw	ert der Bügelf	estigkeit			

Minimaler Schubdeckungsgrad / tan der Neigung der Streben 0.40 / 1.00 Toleranz für Überschreitung maximaler Schub- oder Hauptdruckspannungen 0.0200

Erforderliche Schubbewehrung

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-۷	τ-T	σ-II	$cot\theta$	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]	[-]	[°]	[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähig	keite	า	
						[MPa]	[m]	[m]	[0/0]						
1001	0.000	1	2121	0			1.645			0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	_		kN '			
										Vrd2,c		kN '	Ve/Vr	0.00	
			2122	0	Ι		1.827			-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN '	Ve/Vr	0.00	
								,		Vrd2,c	10960.9			0.00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr	0.00	
										Vrd2,c	10965.4	kN '	Ve/Vr	0.00	
			2126	0		-1.85	1.625	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr	0.01	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	
			2129	0		-1.85	1.625	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr	0.01	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	
			2130	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c		kN '			
										Vrd2,c	10965.4	kN '	Ve/Vr	0.00	
	1.003	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN '	Ve/Vr	0.00	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN '	Ve/Vr	0.00	
										Vrd2,c	10961.1	kN '	Ve/Vr	0.00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr	0.00	
										Vrd2,c	10965.4	kN '	Ve/Vr	0.00	
			2126	0		-1.85	1.625	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr	0.01	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ	R	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-]		
						σ-x	Liii]			relative					[C 2 /
						[MPa]	[m]		[0/0]	Clucive	Schaber	ч <u>Б г чтт-</u> Б	KCICCII		
1001	1.003	1	2129	0			1.625		[0,0]	-0.00	0.00	0.00			9.081
		_							0.065		571.80			0.01	
										_	9748.09		Ve/Vr (
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr	0.00	
										Vrd2,c	10965.4	kN '	Ve/Vr (0.00	
1002	0.000	1	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-		kN			
											9869.94		Ve/Vr (0.00	
			2122	0	Ι			1.000		-0.00	0.00				9.081
						-0.25	1.828	0.812	0.065	_		kN			
			2425			2.40	1 000	1 000		-	10961.1		Ve/Vr (0.00	2 221
			2125	9	Ι			1.000	0.065	0.00	0.00	0.00		2 22	9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr (
			2126	0		1 05	1 625	1.000		-0.00	10965.4 0.00	0.00	Ve/Vr (0.00	9.081
			2120	9					0.065		571.80		Ve/Vr (a a1	9.00-
						-0.12	1.020	0.812	0.003		9748.09		Ve/Vr (
			2129	0		-1.85	1.625	1.000		-0.00		0.00		1	9.081
									0.065		571.80		Ve/Vr (0.01	
						3122		01022			9748.09		Ve/Vr (
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
								_	0.065		577.98	kN	Ve/Vr	0.00	
										Vrd2,c	10965.4	kN '	Ve/Vr (0.00	
	1.003	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN '	Ve/Vr (0.00	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
			2122	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr (
											10961.3		Ve/Vr (0.00	
			2125	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			Ve/Vr (
			2426			4.05	4 605	1 000			10965.4			0.00	0.001
			2126	0				1.000		-0.00	0.00	0.00		0 01	9.081
						-0.12	1.828	0.812	0.065		571.80 9748.09				
			2129	0		-1.85	1 625	1 000		-0.00	0.00	0.00	Ve/Vr (0.00	9.081
			2123	U,					0.065		571.80			a a1	7.00
						0.12	1.020	0.012	0.003	-	9748.09		Ve/Vr (
			2130	a	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065			kN '		0.00	2.00
										_	10965.4		Ve/Vr (
1003	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
									0.065			kN		0.00	
											9869.94		Ve/Vr (
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN	Ve/Vr (0.00	
											10961.3		Ve/Vr	0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr (
			A			-					10965.4		Ve/Vr	0.00	
			2126	0				1.000		-0.00	0.00	0.00		0.01	9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr (
										Vrd2,c	9748.09	KN	Ve/Vr (0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθβ	As/s
Stab	X[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	t III J			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		. Semaser	aB.aB		
1003	0.000	1	2129	0			1.625		[-, -]	-0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.01	
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										-	10965.4		Ve/Vr 0.00	
	1.003	1	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 15	1 027	1.000		-0.00	9869.94		Ve/Vr 0.00	9.081
			2122	9	1				0.065				Ve/Vr 0.00	
						-0.25	1.020	0.012	0.005	_	10961.5		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	A 19	1 828	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.00	
						0.13	1.020	0.012	0.005	_	10965.5		Ve/Vr 0.00 Ve/Vr 0.00	
			2126	0		-1.85	1.625	1.000		-0.00	0.00	0.00		9.081
									0.065		571.80	kN '	Ve/Vr 0.01	
											9748.09	kN '	Ve/Vr 0.00	
			2129	0		-1.85	1.625	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		Ve/Vr 0.01	
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
										-	10965.5		Ve/Vr 0.00	
1004	0.000	1	2121	0				1.000	0.065	0.00	0.00	0.00	 Ve/Vr 0.00	9.081
						-0.02	1.828	0.812	0.065	-	544.23 9869.94		ve/vr 0.00 Ve/Vr 0.00	
			2122	a	Ι	-1 15	1 827	1.000		-0.00	0.00	0.00		9.081
			2122		_				0.065		605.56		Ve/Vr 0.00	
						0.25	1.020	0.012	0.005	_	10961.5		Ve/Vr 0.00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c		kN '	Ve/Vr 0.00	
													Ve/Vr 0.00	
			2126	0		-1.85	1.625	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.01	
													Ve/Vr 0.00	
			2129	0		-1.85				-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.01	
			24.20		7	0.10	1 020	1 000		_	9748.09		Ve/Vr 0.00	
			2130	U	Ι			1.000	0.065	0.00 Vrd1,c	0.00		Ve/Vr 0.00	9.081
						-0.15	1.028	0.812	6.005	_			ve/vr 0.00 Ve/Vr 0.00	
	1.003	1	2121	0		-0 3/	1 6/15	1.000		0.00	0.00			9.081
	1.003	-	2121	9					0.065				Ve/Vr 0.00	
						0.02		0.012		-			Ve/Vr 0.00 Ve/Vr 0.00	
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										_	10961.7		Ve/Vr 0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
											10965.5		Ve/Vr 0.00	
			2126	0				1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.01	
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	

Bruchbemessung Stäbe

Real Real	Stab	liche So x[m]	QNr	LF		7	Т	z	bs	k	τ-V	τ-T	σ-TT	cotA R	As/s
	Stab	x[III]	QIVI	LF	3	_			1	ı	1 1	l.			
															[Ciii2/iii]
1.883 1 2129 0 -1.85 1.625 1.080 -9.08 0											Clucive	Jenaber	ч <u>Б г чтт-</u> Б	KCICCII	
-0.12 1.828 0.812 0.055 Vrd1,c 571.80 KN Ve/Vr 0.01 Vrd2,c 5748.90 KN Ve/Vr 0.00 0.0	1004	1.003	1	2129	0					[0,0]	-0.00	0.00	0.00		9.081
1.005 0.000 1 2121 0 -0.14 1.645 1.000 0.00 0			_							0.065					
1005 0.000 1 0.19 1.828 0.000 0.											_				
1005 0.000 1 2121 0 -0.34 1.645 1.000 0.				2130	0	Ι	0.19	1.828	1.000						9.081
1005 0.000 1 2121 0							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	0
-0.02 1.828 0.812 0.065 Vrd1, c 544.23 kN Ve/Vr 0.00 Vrd2, c 9869.94 kN Ve/Vr 0.00 Vrd2, c 9869.94 kN Ve/Vr 0.00 9.083 0.00 1.00 1.828 0.812 0.065 Vrd1, c 605.56 kN Ve/Vr 0.00 Vrd2, c 1996.17 kN Ve/Vr 0.00 Vrd2, c 1996.17 kN Ve/Vr 0.00 Vrd2, c 1996.55 kN Ve/Vr 0.00 Vrd2, c											Vrd2,c	10965.5	kN	Ve/Vr 0.0	0
	1005	0.000	1	2121	0										9.081
2122 0 1 -1.15 1.827 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 8.812 0.065 0.065 0.00 0.00 9.081 -0.25 1.828 1.000 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 0.065 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 0.065 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 0.00 0.00 9.081 -0.02 -0.02 1.828 0.812 0.065 0.00 0.00 9.081 -0.02 -0.02 1.828 0.812 0.065 0.00 0.00 9.081 -0.02 -0.02 1.828 0.812 0.065 0.00 0.00 9.081 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -							-0.02	1.828	0.812	0.065	-				
-0.25					_										_
				2122	0	Ι									
2125 0 T 0.19 1.828 0.805 0.065 0.00 0.00 0.00 0.00 9.081							-0.25	1.828	0.812	0.065	_				
-0.15 1.828 0.812 0.065				24.25		_	0.10	1 020	1 000		-				+
2126				2125	9	T				0.065					
2126 0							-0.15	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.01 Vrd2, c 5748.09 kN Ve/Vr 0.01 Vrd2, c 5748.09 kN Ve/Vr 0.01 Vrd2, c 5748.09 kN Ve/Vr 0.01 Vrd2, c 5748.09 kN Ve/Vr 0.01 Vrd2, c 5748.09 kN Ve/Vr 0.01 Vrd2, c 5748.09 kN Ve/Vr 0.00 Vrd2, c 5748.09 kN Ve/Vr 0.00 Vrd2, c 5748.09 kN Ve/Vr 0.00 Vrd2, c 5748.09 kN Ve/Vr 0.00 Vrd2, c 10965.5 kN Ve/Vr 0.00 Vrd2, c 10965.5 kN Ve/Vr 0.00 Vrd2, c 10965.5 kN Ve/Vr 0.00 Vrd2, c 10965.5 kN Ve/Vr 0.00 Vrd2, c 5844.23 kN Ve/Vr 0.00 Vrd2, c 5845.94 kN Ve/Vr 0.00 Vrd2, c 584				2126	a		-1 85	1 625	1 000						
				2120						0.065					
2129 0 -1.85 1.625 1.000 -0.00 0.00 0.00 0.001 0.0							0.12	1.020	0.012						
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.0				2129	0		-1.85	1.625	1.000						9.081
													kN '	Ve/Vr 0.0	1
1.003 1 2121 0 -0.34 1.645 1.000 0.															
1.003 1 2121 0 -0.34 1.645 1.000 0.				2130	0	Ι	0.19	1.828	1.000		0.00	0.00			9.081
1.003 1 2121 0 -0.34 1.645 1.000 0.							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	0
-0.02 1.828 0.812 0.065 Vrd1,											Vrd2,c	10965.5	kN '	Ve/Vr 0.0	0
		1.003	1	2121	0										9.081
2122							-0.02	1.828	0.812	0.065	-				
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 0.00 9.083 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 0.00 9.083 0.005 0.00 0.00 0.00 9.005 0.00															_
				2122	0	Ι									
2125							-0.25	1.828	0.812	0.065	_				
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 0.00				2125	0	_	0.10	1 020	1 000						
				2125	9	_				0 065					1
2126 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.01 1.828 0.812 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00							-0.13	1.020	0.812	0.003					
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.0				2126	9		-1.85	1.625	1.000						
				2120											
2129 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 Vrd2,c 9748.09 kN Ve/Vr 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 0.00 9.083 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 0.00 9.083 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5															
-0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.01 Vrd2, c 9748.09 kN Ve/Vr 0.00 9.083 0.000 0.00				2129	0		-1.85	1.625	1.000		-				9.081
2130 0 1 0.19 1.828 1.000 0.00 0.00 0.00 9.083 0.006 0.000 0							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.0	1
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 Vrd1,c 544.23 Vrd1,c											Vrd2,c	9748.09	kN	Ve/Vr 0.0	0
1006 0.000 1 2121 0 -0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.083 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 0.00 0.00 9.083 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c 10965.5 Vrd2,c				2130	0	Ι									9.081
1006 0.000 1 2121 0 -0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.083 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 9.083 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.083 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 P.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01							-0.15	1.828	0.812	0.065	_				
-0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 P.083 2122 0 I -1.15 1.827 1.000 -0.00 0.00 0.00 9.083 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 P.083 2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 P.083 2126 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00															
Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 -1.15 1.827 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 0.00	1006	0.000	1	2121	0										
2122 0 I -1.15 1.827 1.000 -0.00 0.00 0.00 9.083 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 KN Ve/Vr 0.01 Vrd2,c 10965.5 kN Ve/Vr 0.00							-0.02	1.828	0.812	0.065	-				
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10961.9 kN Ve/Vr 0.00 0.00 0.00 0.00 0.00 9.081 0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 0.00 0.00 0.00 0.00 9.081 0.00 0.00 0.00 0.00 0.00 9.081 0.001 0.00 0.00 0.00 0.00 0.00 9.081 0.012 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				0.100			4 4 5	4 00=	4 000						
2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00				2122	0	T				0.005					
2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.083 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 2126 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01							-0.25	1.828	0.812	0.065	_				
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.5 kN Ve/Vr 0.00 2126 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.083 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				2125	ρ	т	Q 10	1 220	1 000						
Vrd2,c 10965.5 kN Ve/Vr 0.00 2126 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				2125	9	_				0.065					
2126 0 -1.85 1.625 1.000 -0.00 0.00 0.00 9.08 ¹ -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01							0.15	1.020	0.012	0.003	_				
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				2126	0		-1.85	1.625	1.000						
											-				

Bruchbemessung Stäbe

Erforder	liche So	hubbe	ewehrui	ng										4	
Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	1		[MPa]			[cm2/m]
						σ-х	d	beff		relative					
						[MPa]	[m]	[m]	[0/0]						
1006	0.000	1	2129	0			1.625			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-		kN ۱			
											9748.09		/e/Vr (0.00	
			2130	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
	1.003	1	2121	0		0.24	1 6/15	1.000		0.00	10965.5	0.00	/e/Vr (0.00	9.081
	1.003		2121					0.812	0 065		544.23		/e/Vr (9 99	9.00
						0.02	1.020	0.012	0.003	-	9869.94		/e/Vr (
			2122	0	I	-1.15	1.827	1.000		-0.00		0.00			9.081
								0.812	0.065		605.56		/e/Vr (0.00	
											10962.1		/e/Vr (
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN ۱	/e/Vr (0.00	
										Vrd2,c	10965.6	kN ۱	/e/Vr	0.00	
			2126	0				1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_	571.80		/e/Vr (
											9748.09		/e/Vr (0.00	
			2129	0				1.000	2 255	-0.00		0.00		2 21	9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr (
			2130	0	I	0.10	1 020	1.000	-		9748.09	0.00	/e/Vr (0.00	0 001
			2130	9	1			0.812	0 065	0.00 Vrd1,c	577.98		/e/Vr (9 99	9.081
						-0.15	1.020	0.012	0.003	_	10965.6		/e/Vr (
1007	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
	0.000	_						0.812	0.065		544.23		/e/Vr (0.00	2100
										-	9869.94		/e/Vr (
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr (0.00	
										Vrd2,c	10962.1		/e/Vr (0.00	
			2125	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr (
											10965.6			0.00	
			2126	0				1.000		-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065			kN \			
			2129	0		_1 0F	1 625	1.000		-0.00	9748.09	6.00		0.00	9.081
			2129	9				0.812				kN \		a a1	9.08*
						-0.12	1.020	0.012	0.003		9748.09				
			2130	0	Ì	0.19	1.828	1.000		0.00		0.00			9.081
								0.812	0.065			kN \		0.00	
										_	10965.6				
	1.003	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN ۱	/e/Vr	0.00	
											9869.94		/e/Vr (0.00	
			2122	0	I			1.000		-0.00	0.00				9.081
						-0.25	1.828	0.812	0.065		605.56		/e/Vr (
			0.1				4 0	4 0			10962.3		/e/Vr (0.00	
			2125	0	Ι			1.000	0.005	0.00	0.00			0.00	9.081
						-0.15	1.828	0.812	0.065		577.98		/e/Vr (
			2126	0	I	-1 6/	1 227	1.000		-0.00	10965.6 0.00	0.00	/e/Vr (0.00	9.081
			2120	9	1			0.812	9.965				/e/Vr (9.01	3.00-
						0.12	1.020	0.012	0.003		10960.1		/e/Vr (
													-, -, '		

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ β	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [-]	
						σ-x	td			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		Senaser	ug.u6		
1007	1.003	1	2129	0	Ι		1.827		[-, -]	-0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	1
										Vrd2,c	10960.1	kN	Ve/Vr 0.0	0
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-	577.98		Ve/Vr 0.0	
											10965.6	_	Ve/Vr 0.0	
1008	0.000	1	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.0	
			2122	0	I	1 15	1 027	1.000		-0.00	9869.94		Ve/Vr 0.0	9.081
			2122	0	1				0.065		0.00		Ve/Vr 0.0	
						-0.23	1.020	0.012	0.005	-	10962.3		Ve/Vr 0.0 Ve/Vr 0.0	
			2125	a	Ι	A 19	1 828	1.000		0.00	0.00	0.00		9.081
			2123		i				0.065		577.98		Ve/Vr 0.0	
						0.13	1.020	0.012	0.005	_	10965.6		Ve/Vr 0.0	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065		571.80	kN	Ve/Vr 0.0	
											10960.1		Ve/Vr 0.0	0
			2129	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		Ve/Vr 0.0	
										Vrd2,c	10960.1	kN	Ve/Vr 0.0	0
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
										-	10965.6		Ve/Vr 0.0	
	1.003	1	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.0	
			2122	a	I	_1 15	1 827	1.000		-0.00	9869.94	0.00	Ve/Vr 0.0	9.081
			2122		_				0.065		605.56		Ve/Vr 0.0	
						0.25	1.020	0.012	0.005	_	10962.5		Ve/Vr 0.0	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	0
													Ve/Vr 0.0	0
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065				Ve/Vr 0.0	1
										-	10960.4		Ve/Vr 0.0	
			2129	0	I					-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	
			2420		7	0.10	1 020	1 000		_	10960.4		Ve/Vr 0.0	
			2130	U	Ι			1.000 0.812	0 065	0.00	0.00	0.00	Ve/Vr 0.0	9.081
						-0.15	1.028	0.812	6.005	_	10965.7			
1009	0.000	1	2121	0		-0 3/	1 6/15	1.000		0.00	0.00	0.00	Ve/Vr 0.0	9.081
1003	0.000	-4	2121						0.065				Ve/Vr 0.0	
						0.02		0.012		-	9869.94		Ve/Vr 0.0 Ve/Vr 0.0	
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	
										_	10962.5		Ve/Vr 0.0	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	0
											10965.7		Ve/Vr 0.0	
			2126	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.0	
										Vrd2,c	10960.4	kN	Ve/Vr 0.0	0

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-][[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähigl	keiten		
						[MPa]	[m]		[0/0]						
1009	0.000	1	2129	0	I		1.827			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
											10960.4		/e/Vr 0	.00	
			2130	0	I		1.828		0.065	0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
-	1.003	1	2121	0		-0.34	1 6/15	1.000		0.00	10965.7	0.00	/e/Vr 0	.00	9.081
	1.003		2121						0.065		544.23		/e/Vr 0	99	9.00
						0.02	1.020	0.012	0.005	_	9869.94		Ve/Vr 0		
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00				9.081
									0.065			kN \		.00	
										_	10962.8		/e/Vr 0		
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr 0	.00	
										Vrd2,c	10965.7	kN ۱	/e/Vr 0	.00	
			2126	0	I			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0		
			2122				4 00-	1 000			10960.7		/e/Vr 0	.00	0.001
			2129	0	I			1.000	0.065	-0.00		0.00		01	9.081
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0		
			2130	0	I	0.10	1 020	1.000	-	0.00	10960.7	0.00	/e/Vr 0	.00	9.081
			2130					_	0.065		577.98		/e/Vr 0	99	9.00
						0.13	1.020	0.012	0.003	_	10965.7		Ve/Vr 0		
1010	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
									0.065		544.23		/e/Vr 0	.00	
										Vrd2,c	9869.94	kN \	/e/Vr 0	.00	
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		/e/Vr 0	.00	
										-	10962.8	kN \	/e/Vr 0	.00	
			2125	0	I		1.828			0.00	0.00	0.00		\perp	9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr 0		
			0105				4 007	4 000			10965.7			.00	0.001
			2126	0	I			1.000		-0.00	0.00	0.00		01	9.081
						-0.12	1.828	0.812	0.065		571.80 10960.7				
			2129	a	1	-1.64	1 827	1 000		-0.00	0.00	0.00		.00	9.081
			2123						0.065			kN \		. 01	3.00
						0111		01022		_	10960.7				
			2130	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065		577.98	kN \	/e/Vr 0	.00	
										Vrd2,c	10965.7	kN ۱	/e/Vr 0	.00	
	1.003	1	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065			kN \			
											9869.94			.00	
			2122	0	I			1.000		-0.00	0.00	0.00		0.0	9.081
		1				-0 75	1.828	0.812	0.065			kN \	ve/Vr 0	.00	
						-0.25					10000	LAL 1	10/110 0	00	
			2125		_			1 000				kN \		.00	0.001
			2125	0	I	0.19	1.828	1.000	0 065	0.00	0.00	0.00			9.081
			2125	0	I	0.19	1.828		0.065	0.00 Vrd1,c	0.00 577.98	0.00 kN \	Ve/Vr 0	.00	9.081
						0.19 -0.15	1.828 1.828	0.812		0.00 Vrd1,c Vrd2,c	0.00 577.98 10965.7	0.00 kN \ kN \	Ve/Vr 0 Ve/Vr 0	.00	
			2125		I	0.19 -0.15	1.828 1.828	0.812 1.000		0.00 Vrd1,c Vrd2,c -0.00	0.00 577.98 10965.7 0.00	0.00 kN \ kN \	Ve/Vr 0 Ve/Vr 0	.00	9.081

Bruchbemessung Stäbe

1	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-][°		[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1010	1.003	1	2129	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
											10961.0		/e/Vr 0.	.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.		
1011	2 222		0101	_				4 000			10965.7	_	/e/Vr 0.	.00	0.001
1011	0.000	1	2121	0			1.645		0.065	0.00		0.00		00	9.081
						-0.02	1.020	0.812	0.065	_	544.23 9869.94		Ve/Vr 0. Ve/Vr 0.		
			2122	a	I	-1 15	1.827	1 000		-0.00	0.00			. 00	9.081
			2122		-				0.065				Ve/Vr 0.	99	7.00
						0.23	1.020	0.012	0.005	_	10963.0		ve/Vr 0. Ve/Vr 0.		
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065				/e/Vr 0.	.00	
										_	10965.7		Ve/Vr 0.		
			2126	0	I	-1.64	1.827	1.000	_	-0.00	0.00	0.00			9.081
									0.065	Vrd1,c	571.80	kN V	Ve/Vr 0.	.01	
										Vrd2,c	10961.0	kN V	Ve/Vr 0.	.00	
			2129	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr 0.	.01	
										Vrd2,c	10961.0	kN \	Ve/Vr 0.	.00	
			2130	0	I			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.		
										-	10965.7		/e/Vr 0.	.00	
	1.003	1	2121	0				1.000	0.065	0.00	0.00	0.00		00	9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.		
			2122	a	I	_1 15	1.827	1 000		-0.00	9869.94	0.00	/e/Vr 0.	. 00	9.081
			2122		-				0.065		605.56		l √e/Vr 0.	99	7.00
						0.23	1.020	0.012	0.005	-	10963.2		ve/Vr 0. Ve/Vr 0.		
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065	Vrd1,c			/e/Vr 0.	.00	
											10965.8				
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00				9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr 0.	.01	
										Vrd2,c	10961.3	kN V	Ve/Vr 0.	.00	
			2129	0	1	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065				Ve/Vr 0.		
										_	10961.3			.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.08
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.		
											10965.8			.00	
1012	0.000	1	2121	0			1.645		0.065	0.00		0.00		20	9.081
						-0.02	1.828	0.812	0.065				Ve/Vr 0.		
			2122	0	I	1 15	1 027	1.000			9869.94			.00	9.081
	1 1		2122	Ø	_				0.065	-0.00 Vrd1,c	0.00	0.00	Ve/Vr 0.	99	3.68.
							1.0/0	0.012	0.003	_	063.30	ICIN	vc/vi 0.		
	·					-0.25				Vrd2 c	10963 2	kN V			
			2125	a	Т			1.000			10963.2		/e/Vr 0.		9 081
			2125	0	I	0.19	1.828	1.000	0.065	0.00	0.00	0.00	Ve/Vr 0.	.00	9.081
			2125	0	I	0.19	1.828		0.065	0.00 Vrd1,c	0.00 577.98	0.00 kN \	Ve/Vr 0. Ve/Vr 0.	.00	9.081
			2125		I	0.19 -0.15	1.828 1.828		0.065	0.00 Vrd1,c	0.00 577.98 10965.8	0.00 kN \	Ve/Vr 0. Ve/Vr 0. Ve/Vr 0.	.00	
						0.19 -0.15	1.828 1.828	0.812	0.065	0.00 Vrd1,c Vrd2,c -0.00	0.00 577.98 10965.8 0.00	0.00 kN \ kN \ 0.00	Ve/Vr 0. Ve/Vr 0. Ve/Vr 0.	.00	9.08 ¹

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			
						σ-х	d	beff	ρ,1	relative	Schubtr				
						[MPa]	[m]		[0/0]						
1012	0.000	1	2129	0	I		1.827			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
			2420			0.40	4 000	1 000			10961.3		Ve/Vr	0.00	0.001
			2130	0	I		1.828		0.065	0.00	0.00	0.00		0 00	9.081
						-0.15	1.020	0.812	0.005		10965.8	kN \	ve/vr ve/Vr		
	1.003	1	2121	0		-0.34	1.645	1.000		0.00		0.00		0.00	9.081
	1.005	_							0.065		544.23		Ve/Vr	0.00	3.00
											9869.94		ve/Vr		
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	Ve/Vr	0.00	
											10963.4	kN \	Ve/Vr	0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
											10965.8		Ve/Vr	0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00		0 01	9.081
						-0.12	1.828	0.812	0.065		571.80 10961.6		Ve/Vr Ve/Vr		
			2129	a	I	-1 64	1 827	1.000		-0.00		0.00		0.00	9.081
			2123						0.065		571.80		Ve/Vr	0.01	J.00
						0.12	1.020	0.012	0.005		10961.6		ve/Vr		
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	Ve/Vr	0.00	
										Vrd2,c	10965.8	kN ۱	Ve/Vr	0.00	
1013	0.000	1	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065		544.23		Ve/Vr		
			2422			4.45	4 007	1 000			9869.94		Ve/Vr	0.00	0.001
			2122	0	I			1.000	0.065	-0.00	0.00 605.56	0.00	Ve/Vr	0 00	9.081
						-0.25	1.020	0.012	0.003		10963.4		ve/vr ve/Vr		
			2125	a	I	0.19	1.828	1.000		0.00	0.00	0.00		0.00	9.081
									0.065	Vrd1,c			Ve/Vr	0.00	
											10965.8				
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr	0.01	
											10961.6			0.00	
			2129	0	I	-1.64				-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80				
			2120	0	7	0.10	1 020	1.000			10961.6			0.00	0.001
			2130	0	Ι				0.065	0.00 Vrd1,c	0.00 577.98	0.00		0 00	9.081
						-0.13	1.020	0.812	0.003	_	10965.8				
	1.003	1	2121	0		-0.34	1,645	1.000		0.00		0.00			9.081
									0.065			kN \		0.00	
											9869.94	kN \	Ve/Vr	0.00	
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.08 ¹
						-0.25	1.828	0.812	0.065			kN \			
											10963.6			0.00	
			2125	0	Ι			1.000		0.00		0.00		2 6 7	9.081
						-0.15	1.828	0.812	0.065	-		kN \			
			2126	0	I	.1 64	1 027	1.000		-0.00	10965.8			00.0	9.081
			2126	٥	1				0.065			0.00	Ve/Vr	a a1	9.081
						0.12	1.020	0.012	0.003	-	10961.9				
										1. 42,0	10001.0	1214	- C/ VI	3.00	

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-]		
						σ-х	d	beff		relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1013	1.003	1	2129	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr	0.01	
											10961.9		Ve/Vr	0.00	
			2130	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN '			
1014	0.000	1	2121	0		0.24	1 645	1.000		-	10965.8	0.00	Ve/Vr	0.00	9.081
1014	0.000	1	2121	0					0.065	0.00 Vrd1,c	544.23		Ve/Vr	a aa	9.08-
						-0.02	1.020	0.812	0.003	-	9869.94		ve/vr		
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00			0.00	9.081
									0.065			kN '		0.00	
										_	10963.6		ve/Vr		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr	0.00	
										Vrd2,c	10965.8	kN '	Ve/Vr	0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr		
											10961.9		Ve/Vr	0.00	
			2129	0	Ι			1.000		-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr		
			2130	0	I	0.10	1 020	1.000	-		10961.9 0.00	0.00	Ve/Vr	0.00	9.081
			2130	9	1			_	0.065	0.00 Vrd1,c	577.98		Ve/Vr	0 00	9.08-
						-0.15	1.020	0.012	0.003	_	10965.8		ve/vr ve/Vr		
	1.003	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00		0.00	9.081
	2.003	_							0.065		544.23		Ve/Vr	0.00	3.00
										-	9869.94		ve/Vr		
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN '	Ve/Vr	0.00	
										Vrd2,c	10963.8	kN '	Ve/Vr	0.00	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
											10965.9			0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065						
			2129	0	1	-1.64	1 027	1 000			10962.2			0.00	9.081
			2129						0.065	-0.00 Vrd1,c		0.00 kN		a a1	9.00
						-0.12	1.020	0.812	0.003	_	10962.2				
			2130	0	I	0.19	1.828	1.000		0.00	0.00	0.00		0.00	9.081
									0.065			kN '		0.00	
										_	10965.9				
1015	0.000	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN '	Ve/Vr	0.00	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
			2122	0	I			1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_		kN '			
											10963.8			0.00	
			2125	0	Ι			1.000		0.00		0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN '			
			2126	_	_	1 (4	1 027	1 000			10965.9			0.00	0.001
			2126	U	Ι			1.000		-0.00		0.00		0 01	9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr		
										vi uz, c	10962.2	KIN	ve/vr	0.00	

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			
						σ-х	d	beff		relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1015	0.000	1	2129	0	I		1.827			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
											10962.2		Ve/Vr	0.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065			kN \			
-	1 002	1	2121	0		0.24	1 645	1.000			10965.9	0.00	Ve/Vr	0.00	9.081
	1.003	1	2121	9					0.065	0.00 Vrd1,c	544.23		Ve/Vr	0 00	9.08-
						0.02	1.020	0.012	0.003		9869.94		ve/Vr		
			2122	0	I	-1.15	1.827	1.000		-0.00		0.00		0.00	9.081
									0.065			kN \		0.00	
										-	10964.0		ve/Vr		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	Ve/Vr	0.00	
										Vrd2,c	10965.9	kN ۱	Ve/Vr	0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr		
											10962.5		Ve/Vr	0.00	
			2129	0	Ι			1.000		-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr		
			2120		I	0.10	1 020	1 000	-		10962.5		Ve/Vr	0.00	0.001
			2130	0	1			1.000	0.065	0.00 Vrd1,c	0.00 577.98	0.00	Ve/Vr	0 00	9.081
						-6.15	1.020	0.012	0.003		10965.9		ve/vr ve/Vr		
1016	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00		0.00	9.081
1010	0.000	_							0.065		544.23		Ve/Vr	0.00	3.00
											9869.94		ve/Vr		
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	Ve/Vr	0.00	
										Vrd2,c	10964.0	kN \	Ve/Vr	0.00	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
											10965.9			0.00	
			2126	0	Ι			1.000		-0.00	0.00				9.081
						-0.12	1.828	0.812	0.065						
			24.20		_	1.61	1 007	1 000			10962.5			0.00	0.001
			2129	0	Ι	-1.64			0.065	-0.00 Vrd1,c	0.00 571.80	0.00		0 01	9.081
						-0.12	1.020	0.012	0.003		10962.5				
			2130	a	I	0.19	1.828	1.000		0.00	0.00	0.00		0.00	9.081
			2130						0.065			kN \		0.00	7.00
						3123		01022		_	10965.9				
	1.003	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
									0.065			kN \		0.00	
										Vrd2,c	9869.94	kN \	Ve/Vr	0.00	
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	Ve/Vr	0.00	
											10964.2			0.00	
			2125	0	Ι			1.000		0.00		0.00			9.081
						-0.15	1.828	0.812	0.065			kN \			
			24.25				4 605	4 605			10965.9			0.00	0.051
			2126	0	I			1.000		-0.00		0.00		0.01	9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr		
										vru2,c	10962.8	KIN \	ve/vr	0.00	

Bruchbemessung Stäbe

Stab	liche So x[m]	QNr	LF		Z	Т		bs	k	τ-V	τ-T	~ TT	cotθ	ρ	As/s
Stab	x[m]	QIVI.	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-][°		[cm2/m]
						σ-x	td			relative				1	[Ciii2/iii]
						[MPa]	[m]		[0/0]		Jenuse.	ч <u>Б. ч.т-</u> Б			
1016	1.003	1	2129	0	Ι		1.827		[-, -]	-0.00	0.00	0.00			9.081
								0.812	0.065				Ve/Vr 0.	01	
										Vrd2,c	10962.8	kN	Ve/Vr 0.	00	
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	-	577.98		Ve/Vr 0.		
										_	10965.9		Ve/Vr 0.	00	
1017	0.000	1	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.		
			2122	0	I	1 15	1 027	1.000		-0.00	9869.94		Ve/Vr 0.	99	9.081
			2122	9	1			0.812	0 065				Ve/Vr 0.	00	9.08-
						-0.23	1.020	0.012	0.005	_	10964.2		ve/vr 0. Ve/Vr 0.		
			2125	a	Ι	A 19	1 828	1.000		0.00	0.00	0.00		00	9.081
			2123		_			0.812	0.065		577.98		Ve/Vr 0.	99	3.00
						3123		01022		_	10965.9		Ve/Vr 0.		
			2126	0	I	-1.64	1.827	1.000	_	-0.00	0.00	0.00			9.081
								0.812	0.065		571.80	kN	Ve/Vr 0.	01	
										Vrd2,c	10962.8	kN	Ve/Vr 0.	00	
			2129	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0.		
											10962.8		Ve/Vr 0.	00	
			2130	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.		
	1 002	1	24.24			0.24	1 645	1 000		-	10965.9		Ve/Vr 0.	99	0.001
	1.003	1	2121	0				1.000 0.812		0.00 Vrd1,c	0.00 544.23	0.00	Ve/Vr 0.	00	9.081
						-0.02	1.020	0.012	0.005	-	9869.94		ve/vr 0. Ve/Vr 0.		
			2122	a	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
					_			0.812			605.56		Ve/Vr 0.	00	3.00
										_	10964.4		Ve/Vr 0.		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.	00	
										Vrd2,c	10966.0	kN	Ve/Vr 0.	00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065				Ve/Vr 0.		
											10963.1		Ve/Vr 0.	00	
			2129	0	Ι				0.065	-0.00	0.00	0.00		01	9.081
						-0.12	1.828	0.812	0.065	_	10963.1		Ve/Vr 0.		
			2130	a	I	0 10	1 020	1.000		0.00	0.00	0.00	Ve/Vr 0.	90	9.081
			2130		İ			0.812	0 065				Ve/Vr 0.	99	9.00
						0.13	1.020	0.012		_	10966.0		Ve/Vr 0.		
1018	0.000	1	2121	0		-0.34	1,645	1.000		0.00	0.00	0.00	T T		9.081
								0.812	0.065				Ve/Vr 0.	00	
											9869.94	· kN	Ve/Vr 0.	00	
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_			Ve/Vr 0.		
											10964.4		Ve/Vr 0.	00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.		
			2426			4	1 00-	1 000			10966.0		Ve/Vr 0.	99	0.001
			2126	9	Ι			1.000	0.005	-0.00	0.00	0.00		01	9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.		
										vi uZ, C	10963.1	KIN	Ve/Vr 0.	שש	

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]	[-]	[°]	[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähig	keiten		
						[MPa]	[m]		[0/0]						
1018	0.000	1	2129	0	I		1.827			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
											10963.1		Ve/Vr (0.00	
			2130	0	I		1.828		0.065	0.00	0.00	0.00		2 00	9.081
						-0.15	1.828	0.812	0.065		10966.0	kN '			
	1.003	1	2121	0		-0.24	1 6/15	1.000		0.00		0.00	Ve/Vr (0.00	9.081
	1.005		2121						0.065		544.23		Ve/Vr 0	2 99	9.00
						0.02	1.020	0.012	0.003		9869.94		Ve/Vr (
			2122	0	I	-1.15	1.827	1.000		-0.00		0.00			9.081
									0.065			kN '		0.00	
										-	10964.6		ve/Vr 0		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr (0.00	
										Vrd2,c	10966.0	kN '	Ve/Vr 0	0.00	
			2126	0	I			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0	0.01	
											10963.4		Ve/Vr (0.00	
			2129	0	Ι			1.000		-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr (
			24.20			0.40	4 000	1 000	-		10963.4		Ve/Vr (ð.00	0.001
			2130	0	I			1.000		0.00	0.00	0.00		2 00	9.081
						-0.15	1.828	0.812	0.065		577.98 10966.0		Ve/Vr 0 Ve/Vr 0		
1019	0.000	1	2121	0		-0 34	1 645	1.000		0.00	0.00	0.00		0.00	9.081
1015	0.000		2121						0.065		544.23		Ve/Vr (2 99	7.00
						0.02	1.020	0.012	0.003		9869.94		Ve/Vr (
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
									0.065		605.56		Ve/Vr 6	0.00	
											10964.6		ve/Vr 0		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr (0.00	
										Vrd2,c	10966.0	kN '	Ve/Vr 0	00.6	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0	0.01	
											10963.4			0.00	
			2129	0	I	-1.64				-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80				
			0420		_	2.40	4 000	4 000			10963.4			a.00	
			2130	0	Ι			1.000	0.005	0.00		0.00		2 00	9.081
						-0.15	1.828	0.812	0.065	_	577.98				
	1.003	1	2121	0		0.24	1 6/15	1.000		0.00	10966.0	0.00		0.00	9.081
	1.005	-4	2121						0.065			kN '		2 00	9.00
						0.02	1.020	0.012	0.003		9869.94				
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00		1.00	9.081
									0.065			kN '		0.00	2.00
											10964.8				
			2125	0	Ι	0.19	1.828	1.000		0.00		0.00			9.081
									0.065			kN '		0.00	
										Vrd2,c	10966.0	kN '	Ve/Vr (0.00	
			2126	0	Ι			1.000		-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr (
										Vrd2,c	10963.7	kN '	Ve/Vr 6	0.00	

Erforder	liche So	hubbe	ewehrui	ng										
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθβ	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-][°]	
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähigl	keiten	
						[MPa]	[m]		[0/0]					
1019	1.003	1	2129	0	Ι		1.827			-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr 0.0	
													/e/Vr 0.0	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
1020	0.000	1	2121	0		0.24	1 (45	1 000			10966.0	0.00	Ve/Vr 0.0	
1020	0.000	1	2121	0				1.000	0 065	0.00 Vrd1,c			 Ve/Vr 0.0	9.081
						-0.02	1.626	0.812	0.003	-	9869.94		ve/vr 0.0 Ve/Vr 0.0	
			2122	a	Ι	-1.15	1.827	1.000		-0.00		0.00		9.081
					_			0.812	0.065		605.56		Ve/Vr 0.0	
						0.25		0.012			10964.8		/e/Vr 0.0	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00		9.081
								0.812	0.065		577.98	kN \	/e/Vr 0.0	
										_	10966.0		/e/Vr 0.0	
			2126	0	Ι	-1.64	1.827	1.000	_	-0.00	0.00	0.00		9.08 ¹
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN ۱	/e/Vr 0.0	1
										Vrd2,c	10963.7	kN ۱	/e/Vr 0.0	0
			2129	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		/e/Vr 0.0	
										Vrd2,c	10963.7	kN \	/e/Vr 0.0	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
										-	10966.0		/e/Vr 0.0	
	1.003	1	2121	0				1.000	0 065	0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		/e/Vr 0.0	
			2122	a	I	_1 15	1 020	1.000		-0.00	9869.94	0.00	Ve/Vr 0.0	9.08 ¹
			2122	0	_			0.812	0 065		605.56		 Ve/Vr 0.0	
						-0.23	1.020	0.812	0.003	_	10965.1		ve/vr 0.0 Ve/Vr 0.0	
			2125	9	I	0.19	1.828	1.000		0.00	0.00	0.00		9.081
					_				0.065	Vrd1,c			Ve/Vr 0.0	
													/e/Vr 0.0	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00			9.081
								0.812		Vrd1,c	571.80	kN \	/e/Vr 0.0	
										Vrd2,c	10964.0	kN \	/e/Vr 0.0	0
			2129	0	1	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065				/e/Vr 0.0	
											10964.0		/e/Vr 0.0	
			2130	0	I			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065		577.98		Ve/Vr 0.0	
											10966.1		/e/Vr 0.0	
1021	0.000	1	2121	0				1.000	0.0	0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065				Ve/Vr 0.0	
			2422		Ļ	4.45	4 000	4 000					Ve/Vr 0.0	
			2122	U	Ι			1.000	0.005	-0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065		605.56 10965.1		/e/Vr 0.0 /e/Vr 0.0	
			2125	0	I	Q 10	1 920	1.000		0.00	0.00	0.00		9.081
			2125	9	1			0.812	9 965		577.98		 Ve/Vr 0.0	
						0.13	1.020	0.012	0.003		10966.1		ve/vr 0.0 Ve/Vr 0.0	
			2126	a	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
				Ľ				0.812	0.065		571.80		Ve/Vr 0.0	
											10964.0		/e/Vr 0.0	

Erforder	liche So	hubbe	ewehrui	ng										4	
Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	1		[MPa]			[cm2/m]
						σ-х	d	beff		relative					
						[MPa]	[m]	[m]	[0/0]						
1021	0.000	1	2129	0	Ι		1.827			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-		kN ۱			
											10964.0		/e/Vr	0.00	_
			2130	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
	1.003	1	2121	0		0.24	1 6/15	1.000		0.00	10966.1	0.00	/e/Vr	0.00	9.081
	1.003		2121					0.812	0 065		544.23		/e/Vr	9 99	9.00
						0.02	1.020	0.012	0.003	-	9869.94		/e/Vr		
			2122	0	Ι	-1.15	1.828	1.000		-0.00		0.00			9.081
								0.812	0.065		605.56		/e/Vr	0.00	
											10965.3		/e/Vr		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN ۱	/e/Vr	0.00	
										Vrd2,c	10966.1	kN ۱	/e/Vr	0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr		
											10964.3		/e/Vr	0.00	
			2129	0	Ι			1.000	2 255	-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr		
			2130	0	I	0.10	1 020	1.000	-		0.00	0.00	/e/Vr	0.00	0.001
			2130	9	1			0.812	0 065	0.00 Vrd1,c	577.98		/e/Vr	0 00	9.081
						-0.15	1.020	0.012	0.003	_	10966.1		/e/Vr (
1022	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00		0.00	9.081
	0.000	_						0.812	0.065		544.23		/e/Vr	0.00	7,00
										-	9869.94		/e/Vr (
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr	0.00	
										Vrd2,c	10965.3		/e/Vr	0.00	
			2125	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr		
											10966.1			0.00	
			2126	0	Ι			1.000		-0.00		0.00		2 21	9.081
						-0.12	1.828	0.812	0.065			kN \			
			2129	0	1	-1.64	1 927	1 000		-0.00	0.00	6.00		0.00	9.08¹
			2129	9				0.812	0 065			kN \		a a1	9.00
						0.12	1.020	0.012	0.003		10964.3		/e/Vr (
			2130	0	Ì	0.19	1.828	1.000		0.00	0.00	0.00			9.081
					Ė			0.812	0.065			kN \		0.00	
											10966.1				
	1.003	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN \	/e/Vr	0.00	
											9869.94		/e/Vr	0.00	
			2122	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065		605.56		/e/Vr		
			0.1				4 0	4 0			10965.5		/e/Vr	0.00	2
			2125	0	Ι			1.000	0.005	0.00	0.00	0.00		0.00	9.081
						-0.15	1.828	0.812	0.065		577.98		/e/Vr (
			2126	0	I	-1 6/	1 227	1.000		-0.00	10966.1 0.00	0.00	/e/Vr	0.00	9.081
			2120	9	_			0.812	9.965				/e/Vr	9.01	3.003
						0.12	1.020	0.012	0.003		10964.6		/e/Vr (
										1. 42,0	10000	\	-, "	50	

Bruchbemessung Stäbe

Erforder Stab			wenrur		Z	Т	_	ha	I.	τ-V		~ **	cotθ β	As/s
Stab	x[m]	QNr	LF	5		l [kN/m]	[m]	1	l .	1 1	τ-T [MPa]		[-] [°]	
						[KN/III] σ-x	LIII]			relative				[CIII 2 / III]
						[MPa]	[m]		[0/0]	Clacive	Jenaber	ug i uii±6	KCICCII	
1022	1.003	1	2129	0	I		1.827		[0,0]	-0.00	0.00	0.00		9.081
		_							0.065				Ve/Vr 0.01	
										_	10964.6		ve/Vr 0.00	
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	
										Vrd2,c	10966.1	. kN	Ve/Vr 0.00	
1023	0.000	1	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
						4 4 =	1 000	1 000			9869.94		Ve/Vr 0.00	
			2122	9	Ι			1.000	0.065	-0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_			Ve/Vr 0.00	
			2125	a	I	0 10	1 020	1.000		0.00	10965.5 0.00	0.00	Ve/Vr 0.00	9.081
			2123		_				0.065				Ve/Vr 0.00	
						-0.13	1.020	0.812	0.003	_	10966.1		Ve/Vr 0.00 Ve/Vr 0.00	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065		571.80		Ve/Vr 0.01	
											10964.6		Ve/Vr 0.00	
			2129	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.01	
										Vrd2,c	10964.6	kN '	Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
				_						-	10966.1		Ve/Vr 0.00	
	1.003	1	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.00	
			2122	a	I	_1 15	1 828	1.000		-0.00	9869.94 0.00	0.00	Ve/Vr 0.00	9.081
			2122		_				0.065		605.56		Ve/Vr 0.00	
						0.23	1.020	0.012	0.003	_	10965.7		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c	577.98	kN '	Ve/Vr 0.00	
													Ve/Vr 0.00	
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.01	
											10964.9		Ve/Vr 0.00	
			2129	0	Ι					-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
			24.20		7	0.10	1 020	1 000		_	10964.9		Ve/Vr 0.00	
			2130	b	Ι			1.000 0.812	0 065	0.00 Vrd1,c	0.00	0.00	 Ve/Vr 0.00	9.081
						-0.13	1.020	0.812	0.003	_	10966.2		Ve/Vr 0.00 Ve/Vr 0.00	
1024	0.000	1	2121	0		-0 34	1 645	1.000		0.00	0.00	0.00		9.081
1024	0.000		2121						0.065				Ve/Vr 0.00	
										-	9869.94		Ve/Vr 0.00	
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10965.7	kN	Ve/Vr 0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
											10966.2		Ve/Vr 0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.01	
										Vrd2,c	10964.9	kN	Ve/Vr 0.00	

Stab	x[m]	QNr	LF	S	Z	Т	Z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]	[-][[°]	[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähigl	keiten		
						[MPa]	[m]		[0/0]						
1024	0.000	1	2129	0	I		1.827			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
											10964.9		/e/Vr 0	0.00	
			2130	0	I		1.828		0.065	0.00	0.00	0.00		2 00	9.081
						-0.15	1.828	0.812	0.065		10966.2	kN \			
	1.003	1	2121	0		-0.24	1 6/15	1.000		0.00		0.00	/e/Vr 0	0.00	9.081
	1.005		2121						0.065		544.23		/e/Vr 0	1.00	7.00
						5.52		01022		-	9869.94		/e/Vr 0		
			2122	0	I	-1.15	1.828	1.000		-0.00	0.00				9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0	0.00	
										Vrd2,c	10965.9	kN ۱	/e/Vr 0	0.00	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
											10966.2		/e/Vr 0	0.00	
			2126	0	I			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr 0		
			2120		I	1 (1	1 020	1.000			10965.2		/e/Vr 0	0.00	0.001
			2129	0	1				0.065	-0.00 Vrd1,c	0.00 571.80	0.00	/e/Vr 0	2 01	9.081
						-0.12	1.020	0.812	0.005		10965.2		/e/Vr 0		
			2130	a	I	0 19	1 828	1.000	-	0.00	0.00	0.00		7.00	9.081
			2130		_				0.065		577.98		/e/Vr 0	0.00	3.00
						5125		01022		_	10966.2		/e/Vr 0		
1025	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN ۱	/e/Vr 0	0.00	
										Vrd2,c	9869.94	kN ۱	/e/Vr 0	00.6	
			2122	0	I			1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	-	605.56		/e/Vr 0		
											10965.9		/e/Vr 0	0.00	
			2125	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr 0		
			2126	0	I	1 64	1 020	1.000		-0.00	10966.2 0.00	0.00		0.00	9.081
			2120	٥	1				0.065					2 01	9.08-
						0.12	1.020	0.012	0.005		10965.2				
			2129	0	1	-1.64	1.828	1.000		-0.00		0.00			9.081
				· ·					0.065			kN \		0.01	
											10965.2	kN ۱	/e/Vr 0	00.6	
			2130	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr 0	0.00	
											10966.2			00.0	
	1.003	1	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065			kN \			
			2422			4 45	4 000	4 000			9869.94			0.00	0.001
			2122	0	I			1.000	0.005	-0.00	0.00	0.00		0.00	9.081
						-0.25	1.828	0.812	0.065		10966.1	kN \			
			2125	a	I	Q 10	1.828	1.000		0.00		0.00		7.00	9.08 ¹
			رعدے		_				0.065			kN \		0.00	2.00
						0.13		0.012			10966.2				
			2126	a	I	-1.64	1.828	1.000		-0.00		0.00			9.081
			2120		- 1										
			2120						0.065	Vrd1,c	571.80		/e/Vr 0	0.01	

Model Bruchbemessung Stäbe

Erforderliche Schubbewehrung

Erforder	liche So	hubbe	ewehru	ng										4	
Stab	x[m]	QNr	LF	S	Z	Т	Z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]			[°]	[cm2/m]
						σ-х	d		ρ,1	relative	Schubtr	agfähig	keite	n	
						[MPa]	[m]		[0/0]						
1025	1.003	1	2129	0	Ι		1.828			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80		Ve/Vr		
			2130	0	I	0.19	1 020	1 000			10965.5	0.00	Ve/Vr	0.00	0.001
			2130	9	1				0.065	0.00 Vrd1,c	0.00 577.98		Ve/Vr	0 00	9.081
						-0.13	1.020	0.812	0.003		10966.2		Ve/Vr		
1026	0.000	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
									0.065		544.23	$\overline{}$	Ve/Vr	0.00	
											9869.94	kN	Ve/Vr	0.00	
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr	0.00	
											10966.1		Ve/Vr	0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr		
			2426		-	1 (1	1 020	1 000			10966.2		Ve/Vr	0.00	0.001
			2126	0	Ι		1.828		0.065	-0.00	0.00 571.80	0.00	Ve/Vr	0 01	9.081
						-0.12	1.020	0.812	0.005	-	10965.5		ve/vr Ve/Vr		
			2129	a	I	-1.64	1.828	1.000		-0.00		0.00			9.081
					-				0.065		571.80		Ve/Vr	0.01	3.00
										_	10965.5		Ve/Vr		
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr	0.00	
										Vrd2,c	10966.2	kN	Ve/Vr	0.00	
	1.003	1	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr		
											9869.94		Ve/Vr	0.00	
			2122	0	Ι			1.000		-0.00	0.00	0.00		2 22	9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr		
			2125	a	I	0 10	1 929	1.000		0.00	0.00	0.00	Ve/Vr	0.00	9.081
			2123		1				0.065				Ve/Vr	9 99	9.00
						0.13	1.020	0.012	0.003	_	10966.3				
			2126	0	I	-1.64	1.828	1.000		-0.00		0.00			9.081
										Vrd1,c				0.01	
										Vrd2,c	10965.8	kN	Ve/Vr	0.00	
			2129	0	1	-1.64						0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
			2422		_	2.40	1 000	1 000			10965.8			0.00	2 221
			2130	0	Ι					0.00 Vrd1,c	577.98	0.00		0 00	9.081
						-0.15	1.020	0.812	0.005	-	10966.3		Ve/Vr		
1027	0.000	1	2121	0		-0 34	1 645	1.000		0.00		0.00		0.00	9.081
1027	0.000		2121							Vrd1,c				0.00	7.00
						0.02		0.022			9869.94				
			2122	0	I	-1.15	1.828	1.000		-0.00		0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c				0.00	
										Vrd2,c	10966.3	kN	Ve/Vr	0.00	
			2125	0	Ι			1.000		0.00		0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c					
			2425		-	4	1 000	1 000			10966.3		Ve/Vr	0.00	2 221
			2126	U	Ι			1.000			0.00			0.01	9.081
						-0.12	1.828	0.812	0.065	Vrd1,c					
										vruZ,C	10965.8	KN	Ve/Vr	0.00	

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	T	Z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-]		[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1027	0.000	1	2129	0	I		1.828			-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80				
											10965.8		Ve/Vr	0.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065			kN \			
	1.003	1	2121	0		-0.34	1 6/15	1.000		0.00	10966.3	0.00	Ve/Vr	0.00	9.081
	1.005		2121						0.065		544.23		Ve/Vr	0.00	7.00
						0.02		01022			9869.94		ve/Vr		
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00				9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	Ve/Vr	0.00	
										Vrd2,c	10966.5	kN ۱	Ve/Vr	0.00	
			2125	0	I			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065			kN \			
											10966.3		Ve/Vr	0.00	
			2126	0	Ι			1.000	0.055	-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80		Ve/Vr		
			2129	a	Ι	-1 64	1 828	1.000		-0.00	10966.1	0.00	Ve/Vr	0.00	9.081
			2123						0.065		571.80		Ve/Vr	9 91	7.00
						0.12	1.020	0.012	0.003		10966.1		ve/Vr		
			2130	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
								_	0.065		577.98	kN \	Ve/Vr	0.00	
										Vrd2,c	10966.3	kN ۱	Ve/Vr	0.00	
1028	0.000	1	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065		544.23		Ve/Vr		
											9869.94		Ve/Vr	0.00	
			2122	0	I			1.000	0.065	-0.00	0.00	0.00		0 00	9.081
						-0.25	1.828	0.812	0.065	_	605.56 10966.5		Ve/Vr Ve/Vr		
			2125	a	I	0 19	1.828	1 000		0.00	0.00	0.00		0.00	9.081
			2123						0.065	Vrd1,c			Ve/Vr	0.00	3.00
						3123		01022			10966.3				
			2126	0	I	-1.64	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr	0.01	
											10966.1	kN \	Ve/Vr	0.00	
			2129	0	I	-1.64				-0.00	0.00	0.00		\perp	9.081
						-0.12	1.828	0.812	0.065			kN \			
			24.20	- 0	+	0.10	1 020	1 000			10966.1			0.00	0.001
			2130	0	I			1.000	0.065	0.00 Vrd1,c	0.00	0.00 kN \		0 00	9.081
						-6.15	1.020	0.012	0.005	_	10966.3				
	1.003	1	2121	0		-0.34	1.645	1.000		0.00		0.00		0.00	9.081
									0.065			kN \		0.00	
											9869.94				
			2122	0	I	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065			kN \			
											10966.5			0.00	
			2125	0	Ι			1.000	0.635	0.00		0.00		2 6 5	9.081
						-0.15	1.828	0.812	0.065			kN \			
			2126	0	I	.1 64	1 020	1.000		-0.00	10966.3			0.00	9.081
			2126	٥	1				0.065			0.00	Ve/Vr	0 01	9.081
						0.12	1.020	0.012	0.003	-	10966.4				
										1. 42,0	10000.4	1214	- C, VI	3.00	

Model Bruchbemessung Stäbe

Erforderliche Schubbewehrung

Erforder	liche So	hubbe	ewehrui	ng										4	
Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]		[-]		[MPa]			[°]	[cm2/m]
						σ-х	d		ı	relative	Schubtr	agfähig	keite	n	
						[MPa]	[m]		[0/0]						
1028	1.003	1	2129	0	Ι		1.828			-0.00	0.00	0.00		2 21	9.081
						-0.12	1.828	0.812	0.065	-	571.80		Ve/Vr		
			2130	0	I	0.19	1 020	1 000		0.00	10966.4 0.00	0.00	Ve/Vr	0.00	9.081
			2130	0	_				0.065		577.98		Ve/Vr	0 00	9.00
						-0.15	1.020	0.812	0.003		10966.3		Ve/Vr		
1029	0.000	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
									0.065		544.23		Ve/Vr	0.00	
										Vrd2,c	9869.94	kN	Ve/Vr	0.00	
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	-	605.56		Ve/Vr		
										1	10966.5		Ve/Vr	0.00	
			2125	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr		
			2426		_	1 64	1 020	1 000			10966.3		Ve/Vr	0.00	0.001
			2126	0	Ι		1.828		0.065	-0.00 Vrd1,c	0.00 571.80	0.00	Ve/Vr	0 01	9.081
						-0.12	1.020	0.012	0.005	_	10966.4		ve/vr		
			2129	a	I	-1.64	1.828	1.000		-0.00		0.00			9.081
					_				0.065		571.80		Ve/Vr	0.01	3.00
								01022		_	10966.4		Ve/Vr		
			2130	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr	0.00	
										Vrd2,c	10966.3	kN	Ve/Vr	0.00	
	1.003	1	2121	0			1.645			0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr		
											9869.94		Ve/Vr	0.00	
			2122	0	Ι			1.000	0.055	-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr		
			2125	0	I	0 10	1.828	1 000		0.00	0.00	0.00	Ve/Vr	0.00	9.081
			2125	0	_				0.065				Ve/Vr	0 00	9.00
						-0.15	1.020	0.812	0.003	_	10966.4				
			2126	0	I	-1.64	1.828	1.000				0.00			9.081
										Vrd1,c				0.01	
											10966.5				
			2129	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
					L						9869.94			0.00	
			2130	0	Ι	-1.15						0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
1020	0 000	1	2121	0		0.24	1 645	1.000			10966.3		1	0.00	0.001
1030	0.000	-4	2121	0					0 065	0.00 Vrd1,c		0.00		0 00	9.081
						0.02	1.020	0.012	0.003		9869.94				
			2122	0	I	-1.15	1.828	1.000		-0.00		0.00			9.081
									0.065	Vrd1,c				0.00	
											10966.3		Ve/Vr		
			2125	0	Ι					0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98				
											10966.4		Ve/Vr	0.00	
			2126	0	Ι			1.000			0.00				9.081
						-0.12	1.828	0.812	0.065	Vrd1,c					
										Vrd2,c	10966.5	kN	Ve/Vr	0.00	

Bruchbemessung Stäbe

Erforder	liche So	hubbe	ewehrui	ng									4		
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr				
						[MPa]	[m]		[0/0]						
1030	0.000	1	2129	0			1.645			0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c		kN \			
			0400		_	4 4 5	1 000	1 000			9869.94			.00	0.001
			2130	0	Ι			1.000	0.065	-0.00	0.00	0.00		00	9.081
						-0.25	1.828	0.812	0.065	_		kN \			
	1.003	1	2121	0		-0.34	1 6/15	1.000		0.00	10966.3	0.00	Ve/Vr 0	.00	9.08¹
	1.003		2121						0.065				Ve/Vr 0	.00	7.00
										_	9869.94		Ve/Vr 0		
			2122	0	Ι	-1.15	1.828	1.000		-0.00		0.00			9.081
						-0.25	1.828	0.812	0.065		605.56	kN \	Ve/Vr 0	.00	
										Vrd2,c	10966.1	kN \	Ve/Vr 0	.00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.99		Ve/Vr 0	.00	
											10966.4	kN \	Ve/Vr 0	.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0		
			24.20			0.24	4 645	4 000			10966.2		Ve/Vr 0	.00	0.001
			2129	0				1.000	0.065	0.00		0.00		00	9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0 Ve/Vr 0		
			2130	a	I	_1 15	1 020	1.000	-	-0.00	9869.94	0.00		.00	9.081
			2130		_			_	0.065		605.56		Ve/Vr 0	99	9.00
						-0.23	1.020	0.812	0.003	_	10966.1		ve/vr 0 Ve/Vr 0		
1031	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.081
		_							0.065		544.23		Ve/Vr 0	.00	- 1 - 1
										_	9869.94		Ve/Vr 0		
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	Ve/Vr 0	.00	
										Vrd2,c	10966.1	kN \	Ve/Vr 0	.00	
			2125	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			Ve/Vr 0		
											10966.4			.00	
			2126	0	Ι			1.000		-0.00		0.00		01	9.081
						-0.12	1.828	0.812	0.065			kN \			
			2129	0		-0.34	1 645	1 000		0.00	10966.2 0.00	0.00		.00	9.081
			2129						0.065			kN \		. 00	J.06 -
						0.02	1.020	0.012			9869.94		ve/vr 0 Ve/Vr 0		
			2130	0	I	-1.15	1.828	1.000		-0.00	0.00			Ī	9.081
									0.065		605.56		Ve/Vr 0	.00	
											10966.1				
	1.003	1	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	i e			Ve/Vr 0		
											9869.94			.00	
			2122	0	Ι			1.000	_	-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065		605.56		Ve/Vr 0		
			2425	_	_	0.10	1 000	1 000			10965.8		Ve/Vr 0	.00	0.001
			2125	0	Ι			1.000	0.065	0.00 Vnd1 c	0.00 577.98	0.00		00	9.081
						-0.15	1.028	0.812	6.005		10966.5		Ve/Vr 0 Ve/Vr 0		
			2126	a	I	-1 64	1.828	1.000		-0.00	0.00	0.00		.00	9.08¹
					Ė				0.065		571.80		Ve/Vr 0	.01	5.00
								.,,,			10965.9		Ve/Vr 0		
										,					

Model Bruchbemessung Stäbe

Erforderliche Schubbewehrung

Stab X[m] QNr LF S Z T m m m m m m m m m	Li i di dei	rliche So	chubbe	ewehrui	ng										4	
	Stab	x[m]	QNr	LF	S	Z			[m]	[-]	[MPa]	[MPa]	[MPa]	[-]		
1931 1.003 1 2129 0 -0.44 1.645 1.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0											relative	Schubtr	agfähigl	keiten		
	1031	1.003	1	2129	0		-0.34				0.00	0.00	0.00			9.081
1032 0.000 1 1.15 1.828 0.000 0.							-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN \	/e/Vr	0.00	
1832 8.888 8.812											Vrd2,c	9869.94	kN \	/e/Vr	0.00	
1032 0.000 1 2121 0 -0.34 1.645 1.000 0.				2130	0	Ι										9.081
1832 8.888 1 2121 8 -8.24 1.645 1.886 8.182 8.685 Vid., C 544.23 kt Ve/Vr 8.08 9.881 9.685 Vid., C 544.23 kt Ve/Vr 8.08 9.881 9.881 Vid., C 544.23 kt Ve/Vr 8.08 9.881 9.881 Vid., C 546.25 kt Vid., C 546.25							-0.25	1.828	0.812	0.065	_					
-0.02 1.828 0.812 0.065	1022	0.000	1	24.24			0.24	1 645	1 000					/e/Vr	0.00	0.001
2122 0 1 -1.15 1.828 0.802 0.906 0.906 0.908	1032	0.000	Т.	2121	0					0 065				/o /\/n	0 00	9.081
2122 0 I -1.15 1.828 1.000 -0.00 0.00 0.00 9.081 9.081							-0.02	1.020	0.812	0.005	-					
-0.25				2122	0	I	-1.15	1.828	1.000						0.00	9.081
										0.065					0.00	
-0.15 1.828 0.812 0.065												10965.8	kN \	/e/Vr	0.00	
				2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
2126 0 1 -1.64 1.828 1.000 -0.05 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 19955.9 kN Ve/Vr 0.00							-0.15	1.828	0.812	0.065						
-0.12 1.828 0.812 0.065											-			/e/Vr	0.00	
				2126	0	Ι				0.055						9.081
2129 0 -0.34 1.645 1.000 0.065 Vrd1, c 544.23 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 84 Ve/Vr 0.000 Vrd2, c 5869, 84 Ve/Vr 0.000 Vrd2, c 5869, 84 Ve/Vr 0.000 Vrd2, c 5869, 84 Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 94 kN Ve/Vr 0.000 Vrd2, c 5869, 56 kN Ve/Vr 0.000 Vrd2, c							-0.12	1.828	0.812	0.065	-					
-0.02 1.828 0.812 0.065				2120	a		-0.34	1 6/15	1 000					ve/vr	0.00	0 001
				2123						9 965				/e/Vr	9 99	7.00
1.003							0.02	1.020	0.012	0.005						
1.003 1 2121 0 -0.34 1.645 1.000 0.				2130	0	Ι	-1.15	1.828	1.000							9.081
1.003							-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN ۱	/e/Vr	0.00	
-0.02 1.828 0.812 0.065 Vrd1,											Vrd2,c	10965.8	kN ۱	/e/Vr	0.00	
		1.003	1	2121	0											9.081
2122 0 I -1.15 1.828 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00 -0.12 1.828 1.000 0.00 0.00 9.081 -0.12 1.828 1.000 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.16 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.16 1.828 0.812 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00 -0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 505.56 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577							-0.02	1.828	0.812	0.065						
-0.25 1.828 0.812 0.065 Vrd1,c 10965.6 kN Ve/Vr 0.00 Vrd2,c 10965.6 kN Ve/Vr 0.00 0.				2122		_	1 1 5	1 020	1 000					/e/Vr	0.00	0.001
				2122	9	1				0 065				/o /\/n	0 00	9.08-
2125							-0.23	1.020	0.812	0.005	-					
-0.15				2125	0	I	0.19	1.828	1.000							9.081
2126 0 T -1.64 1.828 1.000 -0.00 0.00 0.00 0.001							-0.15	1.828	0.812	0.065	Vrd1,c		kN \	/e/Vr	0.00	
-0.12 1.828 0.812 0.065 Vrd1,											Vrd2,c	10966.5	kN ۱	/e/Vr	0.00	
				2126	0	Ι										9.081
2129 0 1 0.19 1.828 1.000 0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1, c 577.99 kN Ve/Vr 0.00 Vrd2, c 10966.5 kN Ve/Vr 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.00 1033 0.000 1 2121 0 -0.34 1.645 1.000 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.00 2122 0 1 -1.15 1.828 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1, c 544.23 kN Ve/Vr 0.00 2125 0 1 0.19 1.828 1.000 -0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1, c 605.56 kN Ve/Vr 0.00 2126 0 1 -1.64 1.828 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1, c 577.99 kN Ve/Vr 0.00 2126 0 1 -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1, c 577.99 kN Ve/Vr 0.00 2126 0 1 -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.01							-0.12	1.828	0.812	0.065						
-0.15				2420		-	0.40	1 020	1 000						v.00	0.001
Vrd2,c 10966.5 kN Ve/Vr 0.00 9.081 -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.081 -0.15 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				2129	U	1				0.065					0 00	9.081
2130 0 T -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.13 0.000 1 2121 0 -0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.15 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 -0.16 1.828 1.000 -0.00 0.00 0.00 9.081 -0.17 1.828 1.828 1.000 -0.00 0.00 0.00 9.081 -0.18 1.828 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00							-0.15	1.628	0.812	6.00	-					
-0.12 1.828 0.812 0.065				2130	0	I	-1.64	1.828	1.000						1.00	9.081
1033 0.000 1 2121 0 -0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 0.065 0.00 0.00 0.00 0.00 -0.25 1.828 0.812 0.065 0.065 0.00 0.00 0.00 0.00 -0.25 1.828 1.000 0.00 0.00 0.00 0.00 0.00 -0.25 1.828 1.000 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.065 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 1.000 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 1.000 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 1.000 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 1.000 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.065 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.065 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.065 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.065 0.00 0.0						Ì				0.065					0.01	
-0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 P.081 2122 0 I -1.15 1.828 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10965.6 kN Ve/Vr 0.00 2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 P.081 2126 0 I -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01											Vrd2,c			/e/Vr	0.00	
Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 -1.15 1.828 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10965.6 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.01	1033	0.000	Ţ	2121	0							0.00				9.081
2122 0 I -1.15 1.828 1.000 -0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10965.6 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 1.000 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 0.00 0.00 0.00							-0.02	1.828	0.812	0.065	-					
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10965.6 kN Ve/Vr 0.00 P.081 2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 2126 0 I -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01															0.00	_
Vrd2,c 10965.6 kN Ve/Vr 0.00 2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.00 0.00				2122	0	Ι				0.055					0 00	9.081
2125 0 I 0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.012 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.012 -0.012 -0.012 -0.012 -0.002 -0							-0.25	1.828	0.812	0.065	-					
-0.15 1.828 0.812 0.065 Vrd1,c 577.99 kN Ve/Vr 0.00 Vrd2,c 10966.5 kN Ve/Vr 0.00 2126 0 I -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				21.25	a	т	0 10	1 879	1 000						0.00	9 001
Vrd2,c 10966.5 kN Ve/Vr 0.00 2126 0 I -1.64 1.828 1.000 -0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01				دعدع						0.065					0.00	2.00
2126 0 I -1.64 1.828 1.000 -0.00 0.00 0.00 9.08¹ -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01											-					
			1	2126	0	Ι	-1.64	1.828	1.000							9.081
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1							-0.12	1.828	0.812	0.065	Vrd1,c		kN \	/e/Vr	0.01	
											Vrd2,c	10965.6	kN \	/e/Vr	0.00	

Erforder	liche So	hubbe	ewehrui	ng									4		
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-] [°		:m2/m]
						σ-х	d			relative	Schubtr	agfähigl	ceiten		
						[MPa]	[m]		[0/0]						
1033	0.000	1	2129	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c		kN \			
			2420		_	1 (1	1 020	1 000			10966.5			_	0.001
			2130	0	Ι			1.000	0.065	-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_	571.80 10965.6		/e/Vr 0. /e/Vr 0.		
	1.003	1	2121	0		-0 34	1 645	1.000		0.00		0.00			9.081
	1.003	_							0.065				/e/Vr 0.	_	3.00
										-	9869.94		/e/Vr 0.		
			2122	0	Ι	-1.15	1.828	1.000		-0.00		0.00			9.081
						-0.25	1.828	0.812	0.065		605.56	kN \	/e/Vr 0.	00	
										Vrd2,c	10965.4	kN ۱	/e/Vr 0.	00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN ۱	/e/Vr 0.	00	
										Vrd2,c	10966.5	kN ۱	/e/Vr 0.	00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_	571.80		/e/Vr 0.		
			0100			2.40	1 000	1 000			10965.3		/e/Vr 0.		0 001
			2129	0	Ι	0.19			0.055	0.00		0.00	(() ()		9.081
						-0.15	1.828	0.812	0.065	-	577.99		/e/Vr 0.		
			2130	0	I	1 64	1 020	1.000	-	-0.00	10966.5 0.00	0.00	/e/Vr 0.	_	9.081
			2130	0	_			_	0.065		571.80		/e/Vr 0.		9.00-
						-0.12	1.020	0.812	0.003	_	10965.3		/e/Vr 0. /e/Vr 0.		
1034	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00	/c/ VI 0.	_	9.081
2031	0.000	_							0.065		544.23		/e/Vr 0.	_	3.00
										-	9869.94		/e/Vr 0.		
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.	00	
										Vrd2,c	10965.4	kN ۱	/e/Vr 0.	00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.		
										Vrd2,c	10966.5				
			2126	0	Ι			1.000		-0.00		0.00			9.081
						-0.12	1.828	0.812	0.065			kN \			
			2420		+	0.10	1 020	1 000			10965.3				0.001
			2129	ש	Ι				0.065	0.00	0.00	0.00 kN \			9.081
						-0.15	1.828	0.812	6.005	_	10966.5		/e/vr 0. /e/Vr 0.		
			2130	a	I	-1 64	1 828	1.000		-0.00	0.00	0.00		_	9.081
			2170		Ė				0.065		571.80		/e/Vr 0.		J.00
											10965.3		/e/Vr 0. /e/Vr 0.		
	1.003	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			9.08¹
									0.065				/e/Vr 0.		
											9869.94				
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.	00	
										Vrd2,c	10965.2		/e/Vr 0.	00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065		577.99		/e/Vr 0.		
											10966.5		/e/Vr 0.		
			2126	0	Ι			1.000	0.055	-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0.		
										Vrd2,c	10965.0	kN \	/e/Vr 0.	00	

Bruchbemessung Stäbe

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ. TT	cotθβ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [.]	
						σ-x	td			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		Jenuse.	aB. a=B		
1034	1.003	1	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.01	
											10965.0		Ve/Vr 0.00	
1035	0.000	1	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 15	1 020	1.000		-0.00	9869.94		Ve/Vr 0.00	9.081
			2122	ש	1				0.065				 Ve/Vr 0.00	
						-0.23	1.020	0.012	0.005	_	10965.2		ve/vr 0.00 Ve/Vr 0.00	
			2125	а	Ι	A 19	1 828	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.00	
						0.13	1.020	0.012	0.003	_	10966.5		Ve/Vr 0.00 Ve/Vr 0.00	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065		571.80		Ve/Vr 0.01	
											10965.0		Ve/Vr 0.00	
			2129	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99		Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
										-	10965.0		Ve/Vr 0.00	
	1.003	1	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.00	
			2122	a	I	_1 15	1 020	1.000		-0.00	9869.94 0.00	0.00	Ve/Vr 0.00	9.081
			2122	U	_				0.065		605.56		Ve/Vr 0.00	
						0.23	1.020	0.012	0.003	_	10965.0		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.00	
													Ve/Vr 0.00	
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.01	
											10964.7	kN '	Ve/Vr 0.00	
			2129	0	I					0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2420		-	1.64	4 007	1 000		_	10966.5		Ve/Vr 0.00	
			2130	0	Ι			1.000	0.005	-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
1036	0.000	1	2121	0		-0 24	1 6/15	1.000		0.00	10964.7 0.00	0.00	Ve/Vr 0.00	9.081
1030	0.000	-4	C171	U					0.065				Ve/Vr 0.00	
						0.02		0.012	0.005		9869.94		Ve/Vr 0.00 Ve/Vr 0.00	
			2122	0	Ι	-1.15	1.828	1.000		-0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										_	10965.0		Ve/Vr 0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	578.01		Ve/Vr 0.00	
											10966.5		Ve/Vr 0.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.01	
										Vrd2,c	10964.7	kN '	Ve/Vr 0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ	R	As/s
Stab	v[]	QIVI	L	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-][
						σ-x	td			relative				-1	[[[]
						[MPa]	[m]		[0/0]						
1036	0.000	1	2129	0	Ι		1.828			0.00	0.00	0.00			9.081
									0.065		578.01			.00	
										Vrd2,c	10966.5	kN	Ve/Vr 0	.00	
			2130	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0		
											10964.7	_	Ve/Vr 0	.00	
	1.003	1	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-		kN			
			2122	0	I	1 1 5	1 027	1.000		-0.00	9869.94		Ve/Vr 0	.00	9.081
			2122	0	1				0.065			kN		00	9.08-
						-0.25	1.020	0.812	0.005	_	10964.8		ve/vr 0 Ve/Vr 0		
			2125	a	Ι	a 19	1 828	1.000		0.00	0.00	0.00		.00	9.081
			2123		_				0.065				Ve/Vr 0	. 99	7.00
						0.13	1.020	0.012	0.005	_	10966.6		Ve/Vr 0		
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
									0.065		571.80		Ve/Vr 0	.01	
											10964.4		Ve/Vr 0	.00	
			2129	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99		Ve/Vr 0		
										Vrd2,c	10966.6	kN	Ve/Vr 0	.00	
			2130	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0		
										-	10964.4		Ve/Vr 0	.00	
1037	0.000	1	2121	0				1.000		0.00	0.00	0.00		- 00	9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0		
			2122	a	I	_1 15	1 927	1.000		-0.00	9869.94 0.00	0.00	Ve/Vr 0	.00	9.081
			2122		_				0.065		605.56		Ve/Vr 0	99	7.00
						0.23	1.020	0.012	0.003	_	10964.8		Ve/Vr 0 Ve/Vr 0		
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065	Vrd1,c			Ve/Vr 0	.00	
											10966.6				
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0	.01	
											10964.4	· kN	Ve/Vr 0	.00	
			2129	0	I					0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	-		kN			
			24.20		7		1 00-	1 000			10966.6		Ve/Vr 0	.00	0.001
			2130	0	Ι			1.000	0.005	-0.00	0.00	0.00 kN		01	9.081
						-0.12	1.828	0.812	0.065	_	10964.4				
	1.003	1	2121	0		-0.24	1 6/15	1.000		0.00	0.00	0.00	Ve/Vr 0	1.00	9.081
	1.005		2121						0.065			kN		99	7.00
						0.02	1.020	0.012	0.005		9869.94		Ve/Vr 0		
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00		- 55	9.081
									0.065			kN		.00	
										_	10964.6		Ve/Vr 0		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN	Ve/Vr 0	.00	
											10966.5	kN	Ve/Vr 0	.00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0		
										Vrd2,c	10964.1	kN	Ve/Vr 0	.00	

Erforder	liche So	hubbe	ewehrui	ng											
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β Α	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-][°		2/m]
						σ-х	d			relative	Schubtr	agfähigl	ceiten		
						[MPa]	[m]		[0/0]						
1037	1.003	1	2129	0	Ι		1.828			0.00	0.00	0.00			.08¹
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.		
			2420		_	1 (1	1 027	1 000			10966.5				001
			2130	0	Ι			1.000	0.005	-0.00	0.00	0.00	/e/Vr 0.		.08¹
						-0.12	1.828	0.812	0.065	_	10964.1		/e/vr 0. /e/Vr 0.		
1038	0.000	1	2121	0		-0 34	1 645	1.000		0.00		0.00			.08¹
1030	0.000								0.065				/e/Vr 0.	_	.00
										_	9869.94		/e/Vr 0.		
			2122	0	Ι	-1.15	1.827	1.000		-0.00		0.00			.08¹
						-0.25	1.828	0.812	0.065		605.56	kN \	/e/Vr 0.	00	
										Vrd2,c	10964.6	kN \	/e/Vr 0.	00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.	.08¹
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN ۱	/e/Vr 0.	00	
										Vrd2,c	10966.5	kN ۱	/e/Vr 0.	00	
			2126	0	Ι			1.000		-0.00	0.00	0.00			.08¹
						-0.12	1.828	0.812	0.065	_	571.80		/e/Vr 0.		
			0100		_	2.40	1 000	1 000			10964.1		/e/Vr 0.		201
			2129	0	Ι	0.19			0.055	0.00		0.00			.08¹
						-0.15	1.828	0.812	0.065	-	577.99		/e/Vr 0.		
			2130	0	I	1 64	1 927	1.000	-	-0.00	10966.5 0.00	0.00	/e/Vr 0.		.08¹
			2130	0	_			_	0.065		571.80		/e/Vr 0.		,00-
						-0.12	1.020	0.812	0.003	_	10964.1		/e/Vr 0. /e/Vr 0.		
	1.003	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			.08¹
	1.005	_							0.065		544.23		/e/Vr 0.		,00
										_	9869.94		/e/Vr 0.		
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00			.08¹
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.	00	
										Vrd2,c	10964.4	kN ۱	/e/Vr 0.	00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.	.08¹
						-0.15	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.		
										Vrd2,c	10966.5	kN \	/e/Vr 0.		
			2126	0	Ι			1.000		-0.00		0.00			.08¹
						-0.12	1.828	0.812	0.065	1			/e/Vr 0.		
			2420		-	0.40	1 000	1 000			10963.8				001
			2129	ש	1				0 065	0.00	0.00	0.00			.08¹
						-0.15	1.828	0.812	0.065		10966.5		/e/Vr 0. /e/Vr 0.		
			2130	a	I	-1 64	1 827	1.000		-0.00	0.00	0.00		_	.08¹
			2170		Ė				0.065		571.80		/e/Vr 0.	_	, 55
										1	10963.8		/e/Vr 0.		
1039	0.000	1	2121	0		-0.34	1.645	1.000		0.00	0.00	0.00			.08¹
									0.065				/e/Vr 0.		
											9869.94				
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00		_	.08¹
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.	00	
										Vrd2,c	10964.4		/e/Vr 0.	_	
			2125	0	Ι			1.000		0.00	0.00	0.00		_	.08¹
						-0.15	1.828	0.812	0.065		577.99		/e/Vr 0.		
											10966.5		/e/Vr 0.		
			2126	0	Ι			1.000	0.055	-0.00	0.00	0.00			.08¹
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0.		
										Vrd2,c	10963.8	kN \	/e/Vr 0.	99	

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	T	Z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			
						σ-х	d	beff		relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1039	0.000	1	2129	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	-	577.99				
											10966.5		Ve/Vr	0.00	
			2130	0	I			1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_		kN \			
-	1 002	1	2121	0		0.24	1 645	1.000		0.00	10963.8	0.00	Ve/Vr	0.00	9.081
	1.003	1	2121	9					0.065		544.23		Ve/Vr	0 00	9.08-
						-0.02	1.020	0.812	0.003	-	9869.94		Ve/Vr		
			2122	0	I	-1.15	1.827	1.000		-0.00		0.00		0.00	9.081
									0.065			kN \		0.00	
										_	10964.2		Ve/Vr		
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065			kN \	Ve/Vr	0.00	
											10966.5	kN \	Ve/Vr	0.00	
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr	0.01	
											10963.5		Ve/Vr	0.00	
			2129	0	Ι	0.19				0.00		0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.99		Ve/Vr		
											10966.5		Ve/Vr	0.00	
			2130	0	I			1.000		-0.00	0.00	0.00		0.01	9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr Ve/Vr		
1040	0.000	1	2121	0		-0.24	1 6/15	1.000		0.00	10963.5	0.00		0.00	9.081
1040	0.000		2121						0.065		544.23		Ve/Vr	9 99	9.00
						0.02	1.020	0.012		-	9869.94		Ve/Vr		
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
									0.065		605.56	kN \	Ve/Vr	0.00	
										_	10964.2		Ve/Vr	0.00	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
										Vrd2,c	10966.5	kN \	Ve/Vr	0.00	
			2126	0	Ι			1.000		-0.00	0.00				9.081
						-0.12	1.828	0.812	0.065						
						0.40	1 (000	1 000			10963.5			0.00	0.001
			2129	0	I	0.19				0.00		0.00		0 00	9.081
						-0.15	1.828	0.812	0.065	_	10966.5	kN \			
			2130	0	I	-1 64	1 927	1.000		-0.00	0.00	0.00		0.00	9.081
			2130						0.065		571.80			a a1	9.00
						0.12	1.020	0.012	0.003	_	10963.5				
	1.003	1	2121	0		-0.34	1.645	1.000		0.00		0.00			9.081
									0.065			kN \		0.00	
											9869.94				
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	Ve/Vr	0.00	
											10964.0			0.00	
			2125	0	Ι			1.000		0.00		0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
			A :								10966.4			0.00	
			2126	0	I			1.000		-0.00		0.00		0.01	9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr		
										Vrd2,c	10963.2	KN \	ve/Vr	0.00	

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ. TT	cotθ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	td			relative				[[[[[[[[[[[[[[[[[[[[
						[MPa]	[m]		[0/0]		Senasei	ug.u6		
1040	1.003	1	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	90
										Vrd2,c	10966.4	kN	Ve/Vr 0.0	90
			2130	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.0	
											10963.2		Ve/Vr 0.0	
1041	0.000	1	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.0	
			2122	0	I	1 1 5	1 027	1.000		-0.00	9869.94	0.00	Ve/Vr 0.0	9.08 ¹
			2122	ש	1				0.065				Ve/Vr 0.0	
						-0.25	1.020	0.012	0.005	_	10964.0		Ve/Vr 0.0 Ve/Vr 0.0	
			2125	а	Ι	a 19	1 828	1.000		0.00	0.00	0.00		9.08 ¹
			2123		_				0.065				Ve/Vr 0.0	
						0.15	1.020	0.012	0.003	_	10966.4		Ve/Vr 0.0	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065		571.80		Ve/Vr 0.0	_
											10963.2		Ve/Vr 0.0	90
			2129	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99		Ve/Vr 0.0	
										Vrd2,c	10966.4	kN '	Ve/Vr 0.0	90
			2130	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.0	
										-	10963.2		Ve/Vr 0.0	
	1.003	1	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.0	
			2122	0	I	1 1 5	1 927	1.000		-0.00	9869.94 0.00	0.00	Ve/Vr 0.0	9.081
			2122	9	_				0.065		605.56		Ve/Vr 0.0	
						-0.25	1.020	0.812	0.003	_	10963.8		Ve/Vr 0.0	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.0	
													Ve/Vr 0.0	
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0)1
										Vrd2,c	10962.9	kN '	Ve/Vr 0.0	90
			2129	0	1					0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.0	
										_	10966.4		Ve/Vr 0.0	_
			2130	0	I			1.000	0.065	-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	
1042	0.000	1	2121	0		.0.24	1 645	1.000			10962.9		Ve/Vr 0.0	9.081
1042	0.000	1	2121	V					0.065	0.00 Vrd1,c	0.00 544 23	0.00	Ve/Vr 0.0	
						0.02	1.020	0.012	0.003	-	9869.94		Ve/Vr 0.0 Ve/Vr 0.0	
			2122	0	I	-1.15	1.827	1.000		-0.00	0.00	0.00		9.08 ¹
									0.065				Ve/Vr 0.0	
										_	10963.8		Ve/Vr 0.6	
			2125	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.99	kN '	Ve/Vr 0.6	_
										Vrd2,c	10966.4		Ve/Vr 0.0	
			2126	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.0	
										Vrd2,c	10962.9	kN	Ve/Vr 0.0	90

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ	B As/
Stab	X[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	td			relative				[[[[[[[[[[
						[MPa]	[m]		[0/0]		Senaser	ug.u6		
1042	0.000	1	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.08
									0.065				Ve/Vr 0.0	90
										Vrd2,c	10966.4	kN	Ve/Vr 0.0	90
			2130	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.08
						-0.12	1.828	0.812	0.065	-	571.80		Ve/Vr 0.0	
										_	10962.9		Ve/Vr 0.0	
	1.003	1	2121	0				1.000		0.00		0.00		9.08
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.0	
			2122	0	I	1 1 5	1 027	1.000		-0.00	9869.94	0.00	Ve/Vr 0.0	9.08
			2122	0	1				0.065				Ve/Vr 0.0	
						-0.25	1.020	0.012	0.005	_	10963.5		Ve/Vr 0.0	
			2125	a	Ι	a 19	1 828	1.000		0.00	0.00	0.00		9.08
			2123		_				0.065				Ve/Vr 0.0	
						0.15	1.020	0.012	0.003	_	10966.4		Ve/Vr 0.0	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.08
									0.065		571.80		Ve/Vr 0.0	_
											10962.6		Ve/Vr 0.0	90
			2129	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.08
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98		Ve/Vr 0.0	
										Vrd2,c	10966.4	kN '	Ve/Vr 0.0	90
			2130	0	Ι			1.000		-0.00	0.00	0.00		9.08
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.0	
										-	10962.6		Ve/Vr 0.0	
1043	0.000	1	2121	0				1.000		0.00	0.00	0.00		9.08
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.0	
			2122	a	I	_1 15	1 927	1.000		-0.00	9869.94	0.00	Ve/Vr 0.0	9.08
			2122		_				0.065		605.56		Ve/Vr 0.0	
						0.23	1.020	0.012	0.003	_	10963.5		Ve/Vr 0.0	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00		9.08
									0.065	Vrd1,c			Ve/Vr 0.0	
													Ve/Vr 0.0	
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.08
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	91
											10962.6	kN	Ve/Vr 0.0	_
			2129	0	I					0.00	0.00	0.00		9.08
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.0	
			24.20		7	1.5	1 00-	1 000		_	10966.4		Ve/Vr 0.0	
			2130	0	Ι			1.000	0.005	-0.00	0.00	0.00	Ve/Vr 0.0	9.08
						-0.12	1.828	0.812	0.065	_			ve/vr 0.0 Ve/Vr 0.0	
	1.003	1	2121	0		-0 34	1 6/15	1.000		0.00	0.00			9.08
	1.003	-4	2121			_			0.065				Ve/Vr 0.0	
						0.02		0.012	0.005				Ve/Vr 0.0	
			2122	0	Ι	-1.15	1.827	1.000		-0.00	0.00	0.00		9.08
									0.065				Ve/Vr 0.0	
										_	10963.3		Ve/Vr 0.0	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.08
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	90
											10966.3		Ve/Vr 0.0	
			2126	0	Ι			1.000		-0.00	0.00	0.00		9.08
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0.0	
										Vrd2,c	10962.3	kN	Ve/Vr 0.0	90

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθβ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [-]	
						σ-x	td			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		. Sellasel	ug.u6		
1043	1.003	1	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10966.3	kN	Ve/Vr 0.00	
			2130	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	-	571.80		Ve/Vr 0.01	
										_	10962.3		Ve/Vr 0.00	
1044	0.000	1	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 15	1 027	1.000		-0.00	9869.94		Ve/Vr 0.00	9.081
			2122	0	1				0.065				Ve/Vr 0.00	
						-0.25	1.020	0.012	0.005	-	10963.3		ve/vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	A 19	1 828	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.00	
						0.13	1.020	0.012	0.005	_	10966.3		Ve/Vr 0.00 Ve/Vr 0.00	
			2126	0	I	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
									0.065		571.80		Ve/Vr 0.01	
											10962.3		Ve/Vr 0.00	
			2129	0	Ι	0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98		Ve/Vr 0.00	
										Vrd2,c	10966.3	kN '	Ve/Vr 0.00	
			2130	0	Ι			1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
										-	10962.3		Ve/Vr 0.00	
	1.003	1	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.00	
			2122	0	I	1 15	1 927	1.000		-0.00	9869.94 0.00	0.00	Ve/Vr 0.00	9.081
			2122	0	_				0.065		605.56		Ve/Vr 0.00	
						-0.25	1.020	0.812	0.003	_	10963.1		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0	I	0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.00	
													Ve/Vr 0.00	
			2126	0	Ι	-1.64	1.827	1.000		-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.01	
										Vrd2,c	10962.0	kN '	Ve/Vr 0.00	
			2129	0	1					0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.00	
											10966.3		Ve/Vr 0.00	
			2130	0	I			1.000	0.065	-0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
1045	0.000	/h	2121	_		20 17	1 645	1 000			10962.0		Ve/Vr 0.00	
1045	0.000	2	2121	0				1.000	0.000	0.02 Vrd1,c	0.00 537 92		Ve/Vr 0.06	9.081
						0.00	1.020	0.012	0.000	-	9869.94		ve/vr 0.00 Ve/Vr 0.00	
			2122	0	H	20.17	1,645	1.000		0.02	0.00	0.00		9.081
									0.000				Ve/Vr 0.06	
										_	9869.94		Ve/Vr 0.00	
			2125	0		80.21	1.645	1.000		0.08	0.00	0.00		9.081
									0.000			kN '	Ve/Vr 0.25	
										Vrd2,c	9869.94	kN	Ve/Vr 0.01	
			2126	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.000	-			Ve/Vr 0.04	
										Vrd2,c	9869.94	kN	Ve/Vr 0.00	

Erforder	liche So	hubbe	wehrur	ng										
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-][°	
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähigk	keiten	
						[MPa]	[m]		[0/0]					
1045	0.000	2	2129	0			1.645			0.02	0.00	0.00		9.081
						0.00	1.828	0.812	0.000	Vrd1,c			/e/Vr 0.	
											9869.94			
			2130	0				1.000	0 000	0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.000	_			/e/Vr 0.	
	0.997	2	2121	0		17 //2	1 6/15	1.000		0.02	9869.94	0.00	/e/Vr 0.	9.081
	0.557		2121					0.812	0.130				/e/Vr 0.	_
											9869.94		/e/Vr 0.	
			2122	0		17.42	1.645	1.000		0.02		0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	/e/Vr 0.	0 5
										Vrd2,c	9869.94	kN ۱	/e/Vr 0.	ə 0
			2125	0		70.15	1.625	1.000		0.07	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		/e/Vr 0.	
											9748.09		/e/Vr 0.	
			2126	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		/e/Vr 0.	
			2120			70 15	1 625	1.000			9869.94		/e/Vr 0.	
			2129	0				0.812	0 120	0.07		0.00	/e/Vr 0.	9.081
						0.00	1.020	0.812	0.130	-	537.92 9748.09		/e/Vr 0. /e/Vr 0.	
			2130	0		12 16	1 645	1.000	-	0.01	0.00	0.00		9.081
			2130					0.812	0.130		537.92		/e/Vr 0.	
						0.00		01022	01230	_	9869.94		/e/Vr 0.	
1046	0.000	2	2121	0		17.42	1.645	1.000		0.02	0.00	0.00		9.081
								0.812	0.130		537.92	kN ۱	/e/Vr 0.	05
										Vrd2,c	9869.94	kN ۱	/e/Vr 0.	9 0
			2122	0		12.91	1.645	1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-	537.92		/e/Vr 0.	∂4
											9869.94		/e/Vr 0.	
			2125	0			1.625			0.07	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c			/e/Vr 0.	
			2426			12.10	1 645	1 000			9748.09			
			2126	0				1.000 0.812		0.01 Vrd1,c		0.00	/e/Vr 0.	9.081
						0.00	1.020	0.012	0.130	-	9869.94			
			2129	0		70.15	1,625	1.000		0.07	0.00	0.00		9.081
								0.812	0.130				/e/Vr 0.	
										_	9748.09			
			2130	0		12.16	1.645	1.000		0.01	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	/e/Vr 0.	ð4
											9869.94	kN \	/e/Vr 0.	
	0.997	2	2121	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130				/e/Vr 0.	
						46.5=		4			9748.09			
			2122	0				1.000	0.430	0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		/e/Vr 0.	
			2125	0		50 00	1 625	1.000		0.06	9869.94		/e/Vr 0.	9.081
			2123	9				0.812	0.130		537.92		/e/Vr 0.	
						0.00	1.020	0.012	3.130		9748.09		/e/Vr 0.	
			2126	0		10.12	1.645	1.000		0.01	0.00	0.00		9.081
								0.812	0.130		537.92		/e/Vr 0.	
											9869.94		/e/Vr 0.	

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	Z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			
						σ-х	d	beff		relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1046	0.997	2	2129	0		59.08	1.625	1.000		0.06	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr	0.18	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.01	
			2130	0	Ш		1.645			0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN '			
											9869.94	_	Ve/Vr	0.00	
1047	0.000	2	2121	0				1.000	0.430	0.01		0.00		0.04	9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr		
			2122			14.00	1 625	1 000			9748.09		Ve/Vr	0.00	0.001
			2122	0				1.000	0 120	0.01	0.00			0.04	9.081
						0.00	1.828	0.812	0.130	-	9748.09	kN '			
			2125	0	Н	50 08	1 625	1.000		0.06	0.00	0.00	Ve/Vr	0.00	9.081
			2123						0.130			kN '		0 12	7.00
						0.00	1.020	0.812	0.130	_	9748.09		Ve/Vr		
			2126	0		10.12	1.645	1.000		0.01	0.00	0.00		0.01	9.081
									0.130				Ve/Vr	0.03	2,00
										-	9869.94		Ve/Vr		
			2129	0		59.08	1.625	1.000		0.06		0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr	0.18	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.01	
			2130	0	П	10.12	1.645	1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr	0.03	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
	0.997	2	2121	0				1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr	0.04	
											9748.09		Ve/Vr	0.00	
			2122	0	Ш			1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr		
											9748.09		Ve/Vr	0.00	
			2125	0			1.625		0.430	0.05	0.00	0.00		0.11	9.081
						0.00	1.828	0.812	0.130	Vrd1,c	9748.09		Ve/Vr		
			2126	0		0.10	1 625	1.000		0.01				0.01	9.081
			2126	9					0.130		0.00 537.92			0 02	9.08-
						0.00	1.020	0.812	0.130	-	9748.09				
			2129	0		48.01	1.625	1.000		0.05		0.00		0.00	9.081
									0.130			kN '		0.14	
										-	9748.09				
			2130	0		8.19	1.625	1.000		0.01		0.00			9.081
									0.130		537.92	kN '	Ve/Vr	0.02	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	
1048	0.000	2	2121	0		12.07	1.625	1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr	0.04	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	
	_		2122	0	Ш			1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN '			
											9748.09			0.00	
			2125	0				1.000		0.05		0.00			9.081
						0.00	1.828	0.812	0.130	_		kN '			
			2155			2	4	4 0			9748.09			0.01	
			2126	0				1.000		0.01		0.00		0.00	9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr		
										vra2,c	9748.09	KN	ve/Vr	0.00	

Bruchbemessung Stäbe

	Erforder Stab	x[m]	QNr	LF		z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ β	As/s
	Stab	X[III]	QIVI	LF	3	_		ļ.	1	ı	1 1				
1048 0.000 2 2129 0 48.01 1.625 1.000 0.05 0.08 0.															[Ciii2/iii]
1048 0.800 2 2129 0 0.801 1.828 0.812 0.130											CIUCITO	. Sellasel	чБ. ч <u>-</u> Б		
	1048	0.000	2	2129	0					[0,0]	0.05	0.00	0.00		9.081
			_							0.130					
				2130	0		8.19	1.625	1.000						9.081
0.997 2 2121 0 0.929 1.625 1.000 0.01 0.00 0.							0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.02	2
											Vrd2,c	9748.09	kN	Ve/Vr 0.00)
		0.997	2	2121	0								$\overline{}$		9.081
2122 0 9.29 1.625 1.000 0.30 0.00 0.00 9.081							0.00	1.828	0.812	0.130	-				
2125 0 36.94 1.625 1.000 0.04 0.00				2122	0										
2125 0 36.94 1.625 1.000 0.04 0.00 0.08 9.08 9.08 0.00 1.828 0.130 Vrd1, c 537.92 kN Ve/Vr 0.01 Vrd2, c 9748.09 kN Ve/Vr 0.00 9.08 0.00 0.00 9.08 0.00 0.00 9.08 9.08 0.00 0.00 0.00 9.08 0.00 9.08 0.00 0.00 9.08 0.00 9.08 0.00 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 0.00 9.08 9.08 0.00 9.08 9.08 0.00 9.08 0.00 9.08 9.08 0.00 9.08 9.08 0.00 9.08 9.08 0.00 9.08							0.00	1.828	0.812	0.130	_				
				24.25			26.04	1 625	1 000		-				
				2125	b					0 120					
							0.00	1.020	0.812	0.130	_				
				2126	a		6 12	1 625	1 000						
				2120	U					0.130					
2129							0.00	1.020	0.012	0.130	-				
				2129	0		36.94	1.625	1.000						9.081
													kN	Ve/Vr 0.11	L
1049 0.000 2 2121 0 9.29 1.625 1.000 0.01 0.00 0.0				2130	0		6.12	1.625	1.000		0.01	0.00	0.00		9.081
1049 0.000 2 2121 0 9.29 1.625 1.000 0.01 0.00 0.00 9.081							0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.02	2
											Vrd2,c	9748.09	kN	Ve/Vr 0.00)
	1049	0.000	2	2121	0										9.081
2122 0 6.88 1.625 1.000 0.01 0.00 0.00 9.081 2125 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2126 0 6.12 1.625 1.000 0.01 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.01 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.01 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.01 0.00 0.00 9.081 2120 0 36.94 1.625 1.000 0.01 0.00 0.00 9.081 2120 0 36.94 1.625 1.000 0.01 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.625 1.000 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.625 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.625 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.625 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 6.51 1.000 0.00 0.00 0.00 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000 9.081 0.998 0.000 0.000 0.000							0.00	1.828	0.812	0.130	_				
				2122	0										
2125 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2126 0 0.00 1.828 0.812 0.130 0.01 0.00 0.00 9.081 2126 0 0.00 1.828 0.812 0.130 0.01 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2120 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2120 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 2130 0 6.12 1.625 1.000 0.01 0.00 0.00 9.081 2130 0 6.12 1.625 1.000 0.01 0.00 0.00 9.081 2130 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 0.130 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.551 1.625 1.000 0.01 0.00 0.00 9.081 0.997 2 2121 0 0.828 0.812 0.130 0.130 0.00 0.00 0.00 9.081 0.997 2 2121 0 2.587 1.625 1.000 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.828 0.812 0.130 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.00 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.5587 0.00 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.00 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.655 0.00 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.00 0.00 0.00 0.00 9.081 0.997 2 2121 0 0.00 0.00 0.00 0.00 9.081 0.998							0.00	1.828	0.812	0.130	_				
				2125	0		26.04	1 625	1 000						
Vrd2,c 9748.09 kN Ve/Vr 0.01 9.081 0.00 0.00 9.081 0.00 1.828 0.812 0.130 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.997 0.2121 0 0.51 1.625 1.000 0.01 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 0.00 9.081 0.00 0.				2125	٥					0 120					
2126							0.00	1.020	0.812	0.130				•	
0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.02 Vrd2,c 9748.09 kN Ve/Vr 0.00				2126	a		6.12	1.625	1.000						
Vrd2,c 9748.09 kN Ve/Vr 0.00 9.081 1.625 1.000 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 0.00 9.081 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.00 0.00 0.00 0.00 9.081 0.00 0.00 0.00 0.00 9.081 0.00 0.00 0.00 0.00 9.081 0.00				2120											
2129 0 36.94 1.625 1.000 0.04 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.11 2130 0 6.12 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.02 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2122 0 4.82 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00															
0.00 1.828 0.812 0.130 Vrd1, c 537.92 kN Ve/Vr 0.11 Vrd2, c 9748.09 kN Ve/Vr 0.01				2129	0		36.94	1.625	1.000						9.081
2130 0 6.12 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2122 0 4.82 1.625 1.000 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00							0.00	1.828	0.812	0.130				Ve/Vr 0.11	
0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.02 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.00 0.00 9.081 0.00 0.00 0.00 0.00 0.00 9.081 0.00											Vrd2,c	9748.09	kN	Ve/Vr 0.01	
Vrd2,c 9748.09 kN Ve/Vr 0.00 0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 0.00				2130	0										9.081
0.997 2 2121 0 6.51 1.625 1.000 0.01 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.02 Vrd2,c 9748.09 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081							0.00	1.828	0.812	0.130	_				
0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.02 Vrd2,c 9748.09 kN Ve/Vr 0.00 2122 0 4.82 1.625 1.000 0.00 0.00 0.00 9.08¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.08¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.08¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00															
Vrd2,c 9748.09 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 0.00		0.997	2	2121	0										
2122 0 4.82 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01							0.00	1.828	0.812	0.130	-				
0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 Vrd2,c 9748.09 kN Ve/Vr 0.00 2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.08¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.08¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00				2422			4 00	1 (25	1 000						
Vrd2,c 9748.09 kN Ve/Vr 0.00 2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 0.00 0.0				2122	b										
2125 0 25.87 1.625 1.000 0.03 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01							0.00	1.028	0.012	0.130	_				
0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.08 Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.08¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01				2125	а		25 87	1.625	1 000						
Vrd2,c 9748.09 kN Ve/Vr 0.00 2126 0 4.06 1.625 1.000 0.00 0.00 0.00 0.00 9.081 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01 0.00 0.00 0.00				212)	U										
2126 0 4.06 1.625 1.000 0.00 0.00 0.00 9.08 ¹ 0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01							3.00			3.233	_				
0.00 1.828 0.812 0.130 Vrd1,c 537.92 kN Ve/Vr 0.01				2126	0		4.06	1.625	1.000						9.081
											-				

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ	R	As/s
Stab	X[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1	[MPa]		[-]		[cm2/m]
						σ-x	t III J			relative					[Cili2/ili]
						[MPa]	[m]		[0/0]	CIUCITO	Senaser	aB.aB			
1049	0.997	2	2129	0			1.625		[-, -]	0.03	0.00	0.00			9.081
									0.130	Vrd1,c	537.92			0.08	
										Vrd2,c	9748.09	kN	Ve/Vr 0	00.6	
			2130	0		4.06	1.625	1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0	0.01	
											9748.09		Ve/Vr 0	0.00	
1050	0.000	2	2121	0				1.000		0.01		0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
			2122			C F1	1 (25	1 000			9748.09		Ve/Vr 0	0.00	0.001
			2122	0				1.000	0 120	0.01	0.00			2 02	9.081
						0.00	1.828	0.812	0.130	_	9748.09	kN '			
			2125	0		25 87	1 625	1.000		0.03	0.00	0.00	Ve/Vr 0	0.00	9.081
			2123						0.130		537.92		Ve/Vr 0	9 08	7.00
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr 0		
			2126	0		4.06	1.625	1.000		0.00	0.00	0.00			9.081
									0.130				Ve/Vr 0	0.01	
											9748.09		Ve/Vr 0	00.6	
			2129	0		25.87	1.625	1.000		0.03	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	0.08	
										Vrd2,c	9748.09	kN	Ve/Vr 0	0.00	
			2130	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
										-	9748.09		Ve/Vr 0	0.00	
	0.997	2	2121	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
			2122	0		2 72	1 625	1.000		0.00	9748.09	0.00	Ve/Vr 0	0.00	9.081
			2122	6					0.130		537.92		Ve/Vr 0	2 01	9.00-
						0.00	1.020	0.812	0.130	_	9748.09		Ve/Vr 0		
			2125	0		14.80	1.625	1.000		0.01	0.00	0.00			9.081
									0.130	Vrd1,c			Ve/Vr 0	0.04	
											9748.09				
			2126	0		2.00	1.625	1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	0.01	
										Vrd2,c	9748.09	kN '	Ve/Vr 0	00.6	
			2129	0				1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
											9748.09		Ve/Vr 0	0.00	
			2130	0				1.000		0.00	0.00	0.00		201	9.081
						0.00	1.828	0.812	0.130	_		kN '			
1051	0.000	<u> </u>	2121			2.76	1 625	1 000			9748.09			0.00	0.001
1051	0.000	2	2121	0				1.000	0.130	0.00 Vrd1,c	0.00	0.00 kN		2 01	9.081
						0.00	1.020	0.812	0.130	-	9748.09				
			2122	0	Н	3.72	1.625	1.000		0.00	0.00	0.00		7.00	9.081
									0.130			kN		0.01	2.00
										_	9748.09		Ve/Vr 0		
			2125	0		14.80	1.625	1.000		0.01	0.00	0.00			9.081
									0.130		537.92	kN '	Ve/Vr 0	0.04	
										Vrd2,c	9748.09	kN	Ve/Vr 0	00.6	
			2126	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0		
										Vrd2,c	9748.09	kN	Ve/Vr 0	00.6	

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ	R	As/s
Stab	X[III]	QIVI.	LF	3	_	kN/m]	[m]	1		1	[MPa]		[-]		
						σ-x	t III J			relative					[C 2 /
						[MPa]	[m]		[0/0]	CIUCITO	Senaser	aB.aB			
1051	0.000	2	2129	0			1.625		[0,0]	0.01	0.00	0.00			9.081
		_							0.130	Vrd1,c	537.92			0.04	
										_	9748.09		Ve/Vr		
			2130	0		2.00	1.625	1.000		0.00	0.00	0.00	4		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.01	
										Vrd2,c	9748.09	kN	Ve/Vr	0.00	
	0.997	2	2121	0				1.000		0.00		0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
											9748.09		Ve/Vr	0.00	
			2122	0				1.000		0.00	0.00				9.081
						0.00	1.828	0.812	0.130	_		kN			
			2425				4 605	1 000		-	9748.09		Ve/Vr	0.00	2 221
			2125	0				1.000	0.430	0.00	0.00	0.00		0.01	9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr		
			2126	0		0.06	1 625	1.000		0.00	9748.09	0.00	Ve/Vr	0.00	9.081
			2120	Ø					0.130				Ve/Vr	a aa	9.00-
						0.00	1.020	0.812	0.130		9748.09		Ve/Vr		
			2129	0		3.73	1.625	1.000		0.00		0.00		0.00	9.081
									0.130		537.92		Ve/Vr	0.01	3.00
						0.00		0.022		_	9748.09		Ve/Vr		
			2130	0		-0.06	1.625	1.000		0.00	0.00	0.00			9.081
								_	0.130		537.92		Ve/Vr	0.00	
										Vrd2,c	9748.09	kN	Ve/Vr	0.00	
1052	0.000	2	2121	0		0.94	1.625	1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.00	
											9748.09		Ve/Vr	0.00	
			2122	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr		
											9748.09		Ve/Vr	0.00	
			2125	0				1.000		0.00	0.00	0.00		2 21	9.081
						0.00	1.828	0.812	0.130	Vrd1,c			Ve/Vr		
			2126	_		0.00	1 625	1.000			9748.09			0.00	0.001
			2126	0					0.130	0.00 Vrd1,c	0.00	0.00		0 00	9.081
						0.00	1.020	0.812	0.130		9748.09				
			2129	0		3.73	1.625	1.000		0.00	0.00			0.00	9.081
									0.130			kN		0.01	3.00
										_	9748.09		Ve/Vr		
			2130	0	7	-0.06	1.625	1.000		0.00	0.00				9.081
						0.00	1.828	0.812	0.130		537.92	kN '	Ve/Vr	0.00	
											9748.09	kN '	Ve/Vr	0.00	
	0.997	2	2121	0		-1.85	1.625	1.000		-0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.01	
											9748.09			0.00	
			2122	0				1.000		-0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
											9748.09		Ve/Vr	0.00	
			2125	0				1.000		-0.00	0.00	0.00		0.00	9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr		
			2126	Ω		0 10	1 625	1.000			9748.09		Ve/Vr	0.00	9.081
			2120	0					0.130	-0.01 Vrd1,c	0.00 537.92	0.00	Ve/Vr	0 02	9.08*
						0.00	1.028	0.012	0.130	-	9748.09				
										vi uz, C	2740.09	KIN	AC\ AL.	0.00	

Bruchbemessung Stäbe

Erforder Stab			wenrur		Z	Т	_	ha	I.	τ-V		~ TT	cotθ β	As/s
Stab	x[m]	QNr	LF	5		ı [kN/m]	[m]	1	l .		τ-T [MPa]		[-] [°]	
						σ-x	Liii]			relative				[CIII2/III]
						[MPa]	[m]		[0/0]	Clucive	Jenuber	ug i uii±6	RCICCII	
1052	0.997	2	2129	0			1.625		[0,0]	-0.01	0.00	0.00		9.081
									0.130				Ve/Vr 0.02	
											9748.09	kN '	Ve/Vr 0.00	9
			2130	0		-2.12	1.625	1.000		-0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.0	L
										_	9748.09		Ve/Vr 0.00	
1053	0.000	2	2121	0				1.000		-0.00		0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.0	
			2422			4.05	4 605	1 000			9748.09		Ve/Vr 0.00	
			2122	0				1.000	0 120	-0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.0	
			2125	0		_1 27	1 625	1.000		-0.00	9748.09	0.00	Ve/Vr 0.00	9.081
			2123						0.130		537.92		Ve/Vr 0.00	l
						0.00	1.020	0.812	0.130		9748.09		Ve/Vr 0.00	
			2126	0		-8.10	1.625	1.000		-0.01	0.00	0.00		9.081
									0.130		537.92		Ve/Vr 0.02	l .
											9748.09		ve/Vr 0.00	9
			2129	0		-7.34	1.625	1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr 0.02	2
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	9
			2130	0		-2.12	1.625	1.000		-0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.03	
										-	9748.09	kN '	Ve/Vr 0.00	
	0.997	2	2121	0				1.000		-0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.0	
			2122	0		4 62	1 625	1.000		-0.00	9748.09	0.00	Ve/Vr 0.00	9.081
			2122	6					0.130		537.92		Ve/Vr 0.01	l
						0.00	1.020	0.812	0.130	_	9748.09		Ve/Vr 0.00	
			2125	0		-3.43	1.625	1.000		-0.00	0.00	0.00		9.081
									0.130	Vrd1,c			Ve/Vr 0.0	
													Ve/Vr 0.00	
			2126	0		-19.16	1.625	1.000		-0.02	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.00	5
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	9
			2129	0		-18.41				-0.02	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.00	
											9748.09		Ve/Vr 0.00	
			2130	0				1.000	0.430	-0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.03	
1054	0.000	^	2121	0		1 62	1 625	1.000					Ve/Vr 0.00	9.081
1054	0.000	Z	2121	V					0.130	-0.00 Vrd1,c	0.00 537 92		 Ve/Vr 0.0	
						0.00	1.020	0.012	0.130	-			Ve/Vr 0.00 Ve/Vr 0.00	
			2122	0	Ħ	-3.43	1,625	1.000		-0.00	0.00	0.00		9.081
									0.130				Ve/Vr 0.0	L.
										_	9748.09		Ve/Vr 0.00	
			2125	0		-3.43	1.625	1.000		-0.00	0.00	0.00		9.081
									0.130			. kN	Ve/Vr 0.0	
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	9
			2126	0		-19.16				-0.02	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.00	
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	9

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ	R	As/s
Stab	v[]	QIVI	L	3	-	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [[cm2/m]
						σ-x	t III J			relative					[Cili2/ili]
						[MPa]	[m]		[0/0]	CIUCITO	Senaser	aB.aB			
1054	0.000	2	2129	0		-18.41			[-, -]	-0.02	0.00	0.00			9.081
									0.130		537.92			.06	
										Vrd2,c	9748.09	kN	Ve/Vr 0	.00	
			2130	0		-4.19	1.625	1.000		-0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
										-	9748.09		Ve/Vr 0	.00	
	0.997	2	2121	0				1.000		-0.01		0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
			2122	0		F 40	1 625	1.000			9748.09		Ve/Vr 0	0.00	9.081
			2122	0					0.130	-0.01 Vrd1,c		kN '		0.02	9.08-
						0.00	1.020	0.612	0.130	-	9748.09		Ve/Vr 0 Ve/Vr 0		
			2125	0		-5 49	1 625	1.000		-0.01	0.00	0.00		7.00	9.081
			2123						0.130		537.92		Ve/Vr 0	1.02	7.00
						0.00		0.022	01250		9748.09		Ve/Vr 0		
			2126	0	П	-30.23	1.625	1.000	_	-0.03	0.00	0.00			9.081
									0.130			kN	Ve/Vr 0	.09	
										Vrd2,c	9748.09	kN	Ve/Vr 0	.01	
			2129	0		-29.48	1.625	1.000		-0.03	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92		Ve/Vr 0		
											9748.09		Ve/Vr 0	.00	
			2130	0				1.000		-0.01	0.00	0.00		\perp	9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
										-	9748.09		Ve/Vr 0	0.00	
1055	0.000	2	2121	0				1.000		-0.01	0.00	0.00	Ve/Vr 0		9.081
						0.00	1.828	0.812	0.130	_	537.92 9748.09		ve/vr 0 Ve/Vr 0		
			2122	0		-5 /19	1 625	1.000		-0.01	0.00	0.00		0.00	9.081
			2122						0.130		537.92		Ve/Vr 0	1.02	7.00
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr 0		
			2125	0		-5.49	1.625	1.000		-0.01	0.00	0.00			9.081
									0.130	Vrd1,c		kN	Ve/Vr 0	.02	
											9748.09		Ve/Vr 0	.00	
			2126	0		-30.23				-0.03	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	.09	
											9748.09			.01	
			2129	0		-29.48				-0.03	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
			24.20			C 25	1 (25	1 000		_	9748.09		Ve/Vr 0	.00	0.001
			2130	0				1.000	0.130	-0.01 Vrd1,c	0.00	0.00 kN		0.02	9.081
						0.00	1.028	0.812	0.130	_	9748.09				
	0.997	2	2121	0		-10.20	1 625	1 000		-0.01	0.00				9.081
	0.557		C171	J					0.130		537.92			0.03	7.00
											9748.09				
			2122	0		-7.55	1.625	1.000		-0.01	0.00	0.00			9.081
									0.130			kN		.02	
										_	9748.09		Ve/Vr 0		
			2125	0				1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0	.02	
											9748.09		Ve/Vr 0	.00	
			2126	0		-41.30				-0.04	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0		
										Vrd2,c	9748.09	kN	Ve/Vr 0	.01	

Model Bruchbemessung Stäbe

Erforderliche Schubbewehrung

Erforder	liche So	hubbe	ewehrur	ng									4	
Stab	x[m]	QNr	LF	S	Z	T [kN/m]	z [m]	bs [m]	k [-]	τ-V [MPa]	τ-T [MPa]	σ-II [MPa]	cotθ β [-][°]	
						σ-X	d [m]			relative	Schubtr	agfähig	keiten	
1055	0.007	2	2129	0		[MPa]	[m]		[0/0]	-0.04	0.00	0.00		0.001
1055	0.997	2	2129	0					0 130	Vrd1,c			Ve/Vr 0.12	9.081
						0.00	1.020	0.012	0.130		9748.09		ve/vr 0.12 Ve/Vr 0.01	
			2130	0		-8.31	1.625	1.000		-0.01	0.00	0.00		9.081
									0.130		537.92		Ve/Vr 0.03	
											9748.09	kN '	Ve/Vr 0.00	9
1056	0.000	2	2121	0		-10.20	1.625	1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.03	
				_						-	9748.09		Ve/Vr 0.00	
			2122	0			1.625			-0.01		0.00		9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr 0.02	
			2125	0		-7 55	1.625	1 000			9748.09	0.00	Ve/Vr 0.00	9.08 ¹
			2123						0.130		537.92		Ve/Vr 0.02	
						0.00		0.022	01250	_	9748.09		Ve/Vr 0.00	
			2126	0		-41.30	1.625	1.000		-0.04	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr 0.12	2
											9748.09	kN '	Ve/Vr 0.01	
			2129	0		-40.55				-0.04		0.00		9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr 0.12	
			2420			0.21	1 625	1 000	-		9748.09		Ve/Vr 0.01	
			2130	0				1.000	0.130	-0.01 Vrd1,c	0.00 537.92	0.00	Ve/Vr 0.03	9.081
						0.00	1.020	0.012	0.130	-	9748.09		ve/vr 0.00 Ve/Vr 0.00	
	0.997	2	2121	0		-12.98	1.625	1.000		-0.01	0.00	0.00		9.081
									0.130		537.92	kN '	Ve/Vr 0.04	
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	9
			2122	0				1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr 0.03	
			2425			0 60	1 (2)	1.000			9748.09		Ve/Vr 0.00	
			2125	0					0.130	-0.01	0.00 537.92	0.00	Ve/Vr 0.03	9.081
						0.00	1.020	0.012	0.130		9748.09		ve/vr 0.00 Ve/Vr 0.00	
			2126	0		-52.37	1.625	1.000		-0.05	0.00			9.081
										Vrd1,c	537.92		Ve/Vr 0.16	
										Vrd2,c	9748.09	kN '	Ve/Vr 0.01	1
			2129	0		-51.62				-0.05	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.16	
			2420			10.24	1 645	1 000		-	9748.09		Ve/Vr 0.01	
			2130	0		-10.24			0.130	-0.01 Vrd1,c	0.00 537.92	0.00	Ve/Vr 0.03	9.081
						0.00	1.020	0.012	0.130	-	9869.94		ve/vr 0.00 Ve/Vr 0.00	
1057	0.000	2	2121	0		-12.98	1.625	1.000		-0.01	0.00	0.00		9.08 ¹
									0.130		537.92		Ve/Vr 0.04	
										-	9748.09	kN '	Ve/Vr 0.00	9
			2122	0			1.625			-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr 0.03	·
						-					9748.09		Ve/Vr 0.00	
			2125	0			1.625		0.400	-0.01	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr 0.03	
			2126	0		-52.37	1 625	1 000		-0.05	9748.09	0.00	Ve/Vr 0.00	9.08 ¹
			2120	U					0.130		537.92		Ve/Vr 0.16	
						2.03					9748.09		ve/vr 0.10 Ve/Vr 0.01	

Erforder	liche So	hubbe	wehrur	ng									4		
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			[cm2/m]
						σ-х	d			relative	Schubtr	agfähigk	ceiten		
						[MPa]	[m]		[0/0]						
1057	0.000	2	2129	0		-51.62				-0.05	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92				
			24.20			10.24	1 645	1 000			9748.09			.01	0.001
			2130	0		-10.24			0 120	-0.01	0.00	0.00 kN \		02	9.081
						0.00	1.828	0.812	0.130	Vrd1,c	9869.94		/e/vr 0. /e/Vr 0.		
	0.997	2	2121	0		-15.76	1 625	1 000		-0.02		0.00		.00	9.081
	0.557	_								Vrd1,c			/e/Vr 0.	.05	3.00
											9748.09		/e/Vr 0.		
			2122	0		-11.53	1.645	1.000		-0.01		0.00			9.081
						0.00	1.828	0.812	0.130		537.92	kN \	/e/Vr 0.	.04	
										Vrd2,c	9869.94	kN ۱	/e/Vr 0.	.00	
			2125	0		-11.53	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN ۱	/e/Vr 0.	.04	
										Vrd2,c	9869.94	kN ۱	/e/Vr 0.	.00	
			2126	0		-63.44				-0.06	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92		/e/Vr 0.		
											9748.09		/e/Vr 0.	.01	
			2129	0		-62.68			2 122	-0.06		0.00		10	9.081
						0.00	1.828	0.812	0.130	-	537.92		/e/Vr 0.		
			2130	0		-12.28	1 645	1 000	-		9748.09	0.00	/e/Vr 0.	.01	9.081
			2130	٥					0.130	-0.01 Vrd1,c	537.92		/e/Vr 0.	04	9.08-
						0.00	1.020	0.012	0.130	_	9869.94		/e/Vr 0. /e/Vr 0.		
1058	0.000	2	2121	0		-15.76	1.625	1.000		-0.02	0.00	0.00		100	9.081
2030	0.000	_							0.130		537.92		/e/Vr 0.	.05	7.00
										_	9748.09		/e/Vr 0.		
			2122	0		-11.53	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	/e/Vr 0.	.04	
										Vrd2,c	9869.94	kN ۱	/e/Vr 0.	.00	
			2125	0		-11.53	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c			/e/Vr 0.		
										Vrd2,c	9869.94	kN \	/e/Vr 0.	.00	
			2126	0		-63.44				-0.06		0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92				
			24.20			62.60	1 (2)	1 000			9748.09			.01	0.001
			2129	0		-62.68				-0.06		0.00 kN \		10	9.081
						0.00	1.028	0.812	0.130		9748.09				
			2130	0		-12.28	1.645	1.000		-0.01		0.00		. 01	9.081
									0.130				/e/Vr 0.	.04	5.00
											9869.94				
	0.997	2	2121	0		-18.32	1.645	1.000		-0.02	0.00	0.00		Ī	9.081
									0.130				/e/Vr 0.	.06	
											9869.94		/e/Vr 0.	.00	
			2122	0		-13.57	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		/e/Vr 0.		
											9869.94		/e/Vr 0.	.00	
			2125	0		-13.57				-0.01	0.00				9.081
						0.00	1.828	0.812	0.130	t e	537.92		/e/Vr 0.		
			2425			74	4 605	4 605			9869.94		/e/Vr 0.	.00	0.001
			2126	0		-74.51				-0.07	0.00			22	9.081
						0.00	1.828	0.812	0.130	Vrd1,c			/e/Vr 0.		
										vrd2,c	9748.09	KN \	/e/Vr 0.	. QT	

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	Z	bs	k	τ-V	τ-T	~ TT	cotθ	R	As/s
Stab	x[m]	ĆΜ.	LF	3	_	ı [kN/m]	[m]		l .		[MPa]	[MPa]			[cm2/m]
						σ-x	[III]			relative				1	[CIIIZ/III]
						[MPa]	[m]		[0/0]		Senaser	aB.aB			
1058	0.997	2	2129	0		-73.75			[0,0]	-0.07	0.00	0.00			9.081
		_							0.130		537.92			.22	
											9748.09		Ve/Vr 0		
			2130	0		-14.32	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	.04	
										Vrd2,c	9869.94	kN	Ve/Vr 0	.00	
1059	0.000	2	2121	0		-18.32				-0.02		0.00			9.081
						0.00	1.828	0.812	0.130			kN			
										-	9869.94		Ve/Vr 0	.00	
			2122	0		-13.57				-0.01		0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
			24.25			12.57	1 645	1 000			9869.94		Ve/Vr 0	0.00	0.001
			2125	0		-13.57			0.130	-0.01 Vrd1,c	0.00 537.92	0.00		04	9.081
						0.00	1.020	0.812	0.130	_	9869.94		Ve/Vr 0 Ve/Vr 0		
			2126	0	Н	-74.51	1 625	1 000		-0.07	0.00	0.00		7.00	9.081
			2120						0.130		537.92		Ve/Vr 0	1.23	7.00
						0.00	1.020	0.012	0.130	1	9748.09		Ve/Vr 0		
			2129	0	П	-73.75	1.625	1.000		-0.07		0.00			9.081
									0.130		537.92	kN '	Ve/Vr 0	.22	
											9748.09		Ve/Vr 0		
			2130	0	П	-14.32	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	.04	
										Vrd2,c	9869.94	kN '	Ve/Vr 0	.00	
	0.997	2	2121	0		-21.07				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065		537.92		Ve/Vr 0		
			2422			45.64	4 5 4 5	4 000			9869.94		Ve/Vr 0	0.00	0.001
			2122	0		-15.61				-0.02	0.00	0.00		. 05	9.081
						0.00	1.828	0.812	0.065	_	537.92 9869.94		Ve/Vr 0 Ve/Vr 0		
			2125	0		-15.61	1 6/15	1 000		-0.02	0.00	0.00		1.00	9.081
			2123						0 065	Vrd1,c			Ve/Vr 0	05	7.00
						0.00	1.020	0.012	0.003		9869.94				
			2126	0	П	-85.58	1.625	1.000		-0.09	0.00	0.00			9.081
									0.130					.26	
											9748.09		Ve/Vr 0		
			2129	0		-15.61	1.645	1.000		-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065	Vrd1,c	537.92	kN	Ve/Vr 0	.05	
											9869.94		Ve/Vr 0	.00	
			2130	0		-85.58				-0.09	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
											9748.09		Ve/Vr 0	0.01	
1060	0.000	2	2121	0		-21.07			0.065	-0.02	0.00	0.00		200	9.081
						0.00	1.828	0.812	0.065			kN '			
			2122	0		-15.61	1 6/15	1 000		-0.02	9869.94 0.00	0.00	Ve/Vr 0	0.00	9.081
			2122	U					0.065			kN '		1.05	7.08-
						0.00	1.020	0.012		_	9869.94		Ve/Vr 0		
			2125	0		-15.61	1.645	1.000		-0.02	0.00	0.00			9.081
									0.065		537.92		Ve/Vr 0	.05	
										-	9869.94		Ve/Vr 0		
			2126	0		-85.58	1.625	1.000		-0.09	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	.26	
										Vrd2,c	9748.09	kN	Ve/Vr 0	.01	

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ	R	As/s
Stab	v[]	QIVI	L	3	_	[kN/m]	[m]	1	l .	1	[MPa]		[-][[cm2/m]
						σ-x	td			relative				1	[[[]
						[MPa]	[m]		[0/0]			-66			
1060	0.000	2	2129	0		-15.61			[-, -]	-0.02	0.00	0.00			9.081
									0.065		537.92			.05	
										Vrd2,c	9869.94	kN	Ve/Vr 0	.00	
			2130	0		-85.58	1.625	1.000		-0.09	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
											9748.09		Ve/Vr 0	.01	
	0.997	2	2121	0		-24.12				-0.02		0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
			2122	0		-17.64	1 645	1 000			9748.09		Ve/Vr 0	.00	9.081
			2122	0					0.065	-0.02 Vrd1,c		kN '		OF.	9.08-
						0.00	1.020	0.012	0.005	-	9869.94		Ve/Vr 0 Ve/Vr 0		
			2125	0		-17.64	1 645	1 000		-0.02	0.00	0.00		.00	9.081
			2123						0.065		537.92		Ve/Vr 0	. 05	7.00
						0.00	1.020	0.012	0.003		9869.94		Ve/Vr 0		
			2126	0		-96.64	1.625	1.000		-0.10	0.00	0.00			9.081
									0.130				Ve/Vr 0	.29	
											9748.09	kN	Ve/Vr 0	.02	
			2129	0		-17.64	1.645	1.000		-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065	Vrd1,c	537.92		Ve/Vr 0		
										Vrd2,c	9869.94	kN '	Ve/Vr 0	.00	
			2130	0		-96.64	1.625	1.000	_	-0.10	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
										-	9748.09		Ve/Vr 0	.02	
1061	0.000	2	2121	0		-24.12				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr 0		
			2122	0		-17.64	1 6/15	1 000		-0.02	9748.09	0.00	Ve/Vr 0	0.00	9.081
			2122	U					0.065		537.92		Ve/Vr 0	05	9.00
						0.00	1.020	0.012	0.003	_	9869.94		Ve/Vr 0 Ve/Vr 0		
			2125	0		-17.64	1,645	1.000		-0.02	0.00	0.00			9.081
									0.065	Vrd1,c			Ve/Vr 0	.05	
											9869.94				
			2126	0		-96.64	1.625	1.000		-0.10	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	.29	
										Vrd2,c	9748.09	kN '	Ve/Vr 0	.02	
			2129	0		-17.64				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065	_		kN			
			0455			0.5		4 6 5 5			9869.94		Ve/Vr 0	.00	
			2130	0		-96.64			0.430	-0.10	0.00	0.00		20	9.081
						0.00	1.828	0.812	0.130	_		kN '			
	0.997	2	2121	0		-26.90	1 625	1 000			9748.09			.02	9.081
	Ø.99/	Z	2121	V		_			0.130	-0.03 Vrd1,c	0.00 537 92	0.00 kN		0.00	9.08
						0.00	1.020	0.012	0.130	-	9748.09				
			2122	0		-19.93	1,625	1.000		-0.02	0.00	0.00			9.081
									0.130			kN '		.06	2.00
										_	9748.09		Ve/Vr 0		
			2125	0		-19.93	1.625	1.000		-0.02	0.00	0.00			9.081
									0.130			kN '	Ve/Vr 0	.06	
										Vrd2,c	9748.09	kN	Ve/Vr 0	.00	
			2126	0		-107.71				-0.11	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0		
										Vrd2,c	9748.09	kN '	Ve/Vr 0	.02	

Erforder	liche So	hubbe	ewehrui	ng										4	
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			[cm2/m]
						σ-х	d			relative	Schubtr	agfähigl	keiten		
						[MPa]	[m]		[0/0]						
1061	0.997	2	2129	0		-19.93				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-	537.92				
			2420			107.71	1 625	1 000			9748.09			0.00	0.001
			2130	0		-107.71			0 120	-0.11 Vrd1,c	0.00	0.00 kN \		0 22	9.081
						0.00	1.828	0.812	0.130	_	9748.09		ve/vr (Ve/Vr (
1062	0.000	2	2121	0		-26.90	1 625	1 000		-0.03		0.00		0.02	9.081
1002	0.000									Vrd1,c			/e/Vr (0.08	3.00
											9748.09		/e/Vr (
			2122	0		-19.93	1.625	1.000		-0.02		0.00			9.081
						0.00	1.828	0.812	0.130		537.92	kN \	/e/Vr (0.06	
										Vrd2,c	9748.09	kN \	/e/Vr (0.00	
			2125	0		-19.93	1.625	1.000		-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		/e/Vr (0.06	
											9748.09	kN \	/e/Vr (0.00	
			2126	0		-107.71				-0.11	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92		/e/Vr (
			0.1.0.0			10.00	4	1 000			9748.09		/e/Vr (0.02	0.001
			2129	0		-19.93				-0.02		0.00		0.06	9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr (
			2130	0		-107.71	1 625	1 000	-	-0.11	9748.09	0.00	/e/Vr (0.00	9.08 ¹
			2130	0					0.130		537.92		/e/Vr (0 22	9.00-
						0.00	1.020	0.812	0.130	_	9748.09		ve/vr (
	0.997	2	2121	0		-29.68	1.625	1.000		-0.03	0.00	0.00		0.02	9.08 ¹
	0.33,	_							0.130		537.92		/e/Vr (0.09	3.00
										-	9748.09		/e/Vr (
			2122	0		-21.99	1.625	1.000		-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	/e/Vr	0.07	
										Vrd2,c	9748.09	kN ۱	/e/Vr (0.00	
			2125	0		-21.99				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c			/e/Vr (
											9748.09			0.00	
			2126	0		-118.78				-0.12		0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92				
			2420			21 00	1 625	1 000			9748.09			0.02	0.001
			2129	0		-21.99				-0.02	0.00	0.00 kN \		0 07	9.081
						0.00	1.028	0.812	0.130		9748.09				
			2130	0		-118.78	1.625	1.000		-0.12	0.00			0.00	9.08 ¹
									0.130				/e/Vr (0.36	7.00
											9748.09				
1063	0.000	2	2121	0		4.24	1.625	1.000		0.00	0.00	0.00			9.081
									0.130			kN \	/e/Vr	0.01	
											9748.09		/e/Vr (0.00	
			2122	0		161.26	1.625	1.000		0.16	0.00	0.00			9.081
						-0.10	1.828	0.812	0.130		566.25		/e/Vr (
											9748.09		/e/Vr (0.03	
			2125	0		161.26				0.16	0.00				9.081
						-0.10	1.828	0.812	0.130		566.25		/e/Vr (
			0.5					4			9748.09		/e/Vr	0.03	0.00
			2126	0				1.000		0.00	0.00	0.00		0.01	9.081
						-0.01	1.828	0.812	0.130		540.52		Ve/Vr (
										vrd2,c	9748.09	KN \	/e/Vr (0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	-	bs	k	τ-V	τ-T	a II	cotθ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	t III J			relative				[Ciii2/iii]
						[MPa]	[m]		[0/0]		Jenuber	ug.u6		
1063	0.000	2	2129	0			1.625		[-, -]	0.00	0.00	0.00		9.081
									0.130				Ve/Vr 0.0)1
											9748.09	kN	Ve/Vr 0.0	90
			2130	0		161.26	1.625	1.000		0.16	0.00	0.00		9.081
						-0.10	1.828	0.812	0.130				Ve/Vr 0.4	
										-	9748.09		Ve/Vr 0.0	
	1.025	2	2121	0				1.000		0.00		0.00		9.081
						-0.01	1.828	0.812	0.130	-			Ve/Vr 0.0	
			2122	0		149.87	1 625	1 000		0.15	9748.09		Ve/Vr 0.0	9.081
			2122	0					0.130				Ve/Vr 0.4	
						-0.10	1.020	0.012	0.130	-	9748.09		ve/vr 0.4 Ve/Vr 0.6	
			2125	0		149.87	1 625	1 000		0.15	0.00	0.00		9.081
			2123						0.130		566.25		Ve/Vr 0.4	
						0.20		01022			9748.09		Ve/Vr 0.0	
			2126	0		2.12	1.625	1.000	_	0.00	0.00	0.00		9.081
									0.130			kN	Ve/Vr 0.0)1
										Vrd2,c	9748.09	kN	Ve/Vr 0.0	00
			2129	0		140.61				0.14	0.00	0.00		9.081
						-0.06	1.828	0.812	0.122		554.89		Ve/Vr 0.4	11
											9748.09		Ve/Vr 0.0	
			2130	0				1.000		0.01	0.00	0.00		9.081
						-0.05	1.828	0.812	0.130		551.87		Ve/Vr 0.0	
1051							4	1 222		-	9748.09		Ve/Vr 0.0	
1064	0.000	2	2121	0				1.000		0.00	0.00	0.00	Ve/Vr 0.0	9.081
						-0.01	1.828	0.812	0.130	-	540.52 9748.09		ve/vr 0.0 Ve/Vr 0.0	
			2122	0		149.87	1 625	1 000		0.15	0.00	0.00		9.081
			2122						0.130		566.25		Ve/Vr 0.4	
						0.10	1.020	0.012	0.130	_	9748.09		Ve/Vr 0.0	
			2125	0		149.87	1.625	1.000		0.15	0.00	0.00		9.081
									0.130	Vrd1,c		kN	Ve/Vr 0.4	13
													Ve/Vr 0.0)2
			2126	0		2.12	1.625	1.000		0.00	0.00	0.00		9.081
						-0.01	1.828	0.812	0.130	Vrd1,c	540.52	kN '	Ve/Vr 0.0)1
													Ve/Vr 0.0	
			2129	0		140.61				0.14	0.00	0.00		9.081
						-0.06	1.828	0.812	0.122				Ve/Vr 0.4	
			2420			11 20	4 605	1 000			9748.09		Ve/Vr 0.0	
			2130	0				1.000	0.130	0.01	0.00	0.00	Ve/Vr 0.0	9.081
						-0.05	1.020	0.812	0.130	_			ve/vr 0.0 Ve/Vr 0.0	
	1.025	2	2121	0		0 00	1 625	1.000		0.00	0.00		T T	9.081
	1.025		2121						0.130				Ve/Vr 0.0	
						0.02		01022	01250				Ve/Vr 0.0	
			2122	0	I	123.11	1.828	1.000		0.12	0.00	0.00		9.081
									0.130				Ve/Vr 0.4	
										_	10966.6		Ve/Vr 0.0	
			2125	0	I	123.11	1.828	1.000		0.12	0.00	0.00		9.081
						-0.10	1.828	0.812	0.130	-	566.25		Ve/Vr 0.4	10
											10966.6		Ve/Vr 0.0	
			2126	0				1.000		0.00	0.00	0.00		9.081
						-0.01	1.828	0.812	0.130	-			Ve/Vr 0.0	
										Vrd2,c	9748.09	kN	Ve/Vr 0.0	90

Bruchbemessung Stäbe

forder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]			1 1	[MPa]	[MPa]			
						σ-x	d			relative					
						[MPa]	[m]	[m]	[0/0]						
1064	1.025	2	2129	0		138.49				0.14	0.00	0.00			9.081
						-0.06	1.828	0.812	0.130	Vrd1,c	554.89	kN '	Ve/Vr	0.41	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.02	
			2130	0			1.625			0.00	0.00	0.00			9.081
						-0.05	1.828	0.812	0.130	_		kN '			
											9748.09	_	Ve/Vr	0.00	
1065	0.000	2	2121	0				1.000		0.00		0.00			9.081
						-0.01	1.828	0.812	0.130	_		kN '			
			2122		_	122 10	1 020	1 000			9748.09		Ve/Vr	0.00	0.001
			2122	0	1	-123.10			0.130	-0.12	0.00			0 10	9.081
						-0.10	1.020	0.812	0.130	_	10966.6	kN '			
			2125	0		9 99	1 625	1.000		0.00	0.00	0.00	Ve/Vr	0.02	9.081
			2123						0.130			kN '		a aa	7.00
						0.05	1.020	0.012	0.130	_	9748.09		ve/Vr		
			2126	0		-138.49	1,625	1.000		-0.14	0.00	0.00			9.081
									0.130				Ve/Vr	0.41	
											9748.09		ve/Vr		
			2129	0		-138.49	1.625	1.000		-0.14		0.00			9.081
						-0.06	1.828	0.812	0.130		554.89	kN '	Ve/Vr	0.41	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.02	
			2130	0		0.00	1.625	1.000		0.00	0.00	0.00			9.08 ¹
						-0.05	1.828	0.812	0.130	_	551.87		Ve/Vr		
										-	9748.09	kN '	Ve/Vr	0.00	
	1.025	2	2121	0				1.000		-0.00	0.00	0.00			9.081
						-0.01	1.828	0.812	0.130	_	540.52		Ve/Vr		
			2422			440.07	4 625	1 000			9748.09		Ve/Vr	0.00	0.001
			2122	0		-149.87			0.120	-0.15	0.00	0.00		0 42	9.081
						-0.10	1.828	0.812	0.130	_	566.25 9748.09		Ve/Vr		
			2125	0		2 12	1.625	1 000		-0.00	0.00	0.00	Ve/Vr	0.02	9.081
			2123						0 130	Vrd1,c			Ve/Vr	a a1	9.00
						-0.01	1.020	0.812	0.130		9748.09				
			2126	0		-149.87	1.625	1.000		-0.15	0.00	0.00		0.00	9.081
			LILO						0.130					0.43	7.00
										-	9748.09				
			2129	0		-140.61	1.625	1.000		-0.14		0.00			9.081
					Г	-0.06	1.828	0.812	0.122		554.89	kN '	Ve/Vr	0.41	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.02	
			2130	0		-11.38	1.625	1.000		-0.01	0.00	0.00			9.08 ¹
						-0.05	1.828	0.812	0.130	Vrd1,c	551.87	kN '	Ve/Vr	0.03	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	
1066	0.000	2	2121	0				1.000		-0.00		0.00			9.081
						-0.01	1.828	0.812	0.130			kN '			
											9748.09			0.00	
			2122	0		-149.87				-0.15	0.00	0.00			9.081
						-0.10	1.828	0.812	0.130	_		kN '			
			24.0-	_		2 15	1 505	1 000			9748.09			0.02	0.001
			2125	0				1.000		-0.00		0.00		0.01	9.081
						-0.01	1.828	0.812	0.130	_		kN '			
			2126	0		-149.87	1 625	1 000		-0.15	9748.09	0.00		0.00	9.081
			2120						0.130				Ve/Vr	0 13	3.08-
						-0.10	1.020	0.012	0.130	-	9748.09				
										vi uz, c	2740.09	KIN	AC\ AI.	0.02	

Erforder	liche So	hubbe	ewehru	ng										4	
Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]		[m]				[MPa]			[cm2/m]
						σ-х	d	beff		relative					
						[MPa]	[m]	[m]	[0/0]						
1066	0.000	2	2129	0		-140.61				-0.14	0.00	0.00			9.081
						-0.06	1.828	0.812	0.122	Vrd1,c		kN ۱			
											9748.09		Ve/Vr	0.02	
			2130	0		-11.38				-0.01	0.00	0.00		2 22	9.081
						-0.05	1.828	0.812	0.130	-	9748.09	kN \			
	1.025	2	2121	0		-1 21	1 625	1.000		-0.00		0.00	Ve/Vr	0.00	9.081
	1.023		2121						0.130				Ve/Vr	0.01	J.00
										-	9748.09		ve/Vr		
			2122	0		-161.25	1.625	1.000		-0.16		0.00			9.081
						-0.10	1.828	0.812	0.130	Vrd1,c	566.25	kN \	Ve/Vr	0.46	
										Vrd2,c	9748.09	kN ۱	Ve/Vr	0.03	
			2125	0				1.000		-0.00	0.00	0.00			9.081
						-0.01	1.828	0.812	0.130		540.52		Ve/Vr		
											9748.09		Ve/Vr	0.00	
			2126	0		-161.25				-0.16	0.00	0.00		0.46	9.081
						-0.10	1.828	0.812	0.130	-	566.25 9748.09		Ve/Vr		
			2129	0		-4 24	1 625	1.000		-0.00		0.00	Ve/Vr	6.63	9.081
			2123						0.130		540.52		Ve/Vr	a a1	9.00
						0.01	1.020	0.012	0.130	-	9748.09		ve/Vr		
			2130	0		-161.25	1.625	1.000	7 1	-0.16	0.00	0.00			9.081
								_	0.130		566.25		Ve/Vr	0.46	
										Vrd2,c	9748.09	kN ۱	Ve/Vr	0.03	
1067	0.000	2	2121	0				1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr		
											9748.09		Ve/Vr	0.00	
			2122	0				1.000		0.03	0.00	0.00		0.00	9.081
						0.00	1.828	0.812	0.130		537.92 9748.09		Ve/Vr Ve/Vr		
			2125	0		118.79	1 625	1 000		0.12	0.00	0.00		0.00	9.081
			2123						0 130	Vrd1,c			Ve/Vr	a 36	7.00
						0.00		0.012	0.130		9748.09				
			2126	0	Т	21.99	1.625	1.000		0.02		0.00			9.081
									0.130		537.92	kN \	ve/Vr	0.07	
											9748.09			0.00	
			2129	0				1.000		0.02		0.00			9.081
						0.00	1.828	0.812	0.130			kN \			
			24.20			110 70	1 (25	1 000			9748.09			0.00	0.001
			2130	0		118.79			0.130	0.12 Vrd1,c		0.00 kN \		0 26	9.081
						0.00	1.828	0.812	0.130		9748.09				
	0.997	2	2121	0		19.93	1,625	1.000		0.02		0.00		3.02	9.081
	3.337								0.130				Ve/Vr	0.06	7.00
											9748.09				
			2122	0		26.90	1.625	1.000		0.03		0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92		ve/Vr		
											9748.09		Ve/Vr	0.00	
			2125	0		107.72				0.11	0.00				9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr		
			2126	_		10.03	1 (25	1 000			9748.09		Ve/Vr	0.02	0.001
			2126	0				1.000		0.02 Vrd1,c	0.00 537 92		Ve/Vr	a ac	9.081
						0.00	1.828	0.812	0.130		9748.09				
										VI UZ, C	2,40.03	IXIV \	v C / V I	5.00	

Bruchbemessung Stäbe

Stab	liche Sc x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	1 1	[MPa]		[-][[cm2/m]
						σ-x	d			relative					
						[MPa]	[m]	[m]	[0/0]						
1067	0.997	2	2129	0		19.93	1.625			0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	Ve/Vr 0	.06	
										Vrd2,c	9748.09	kN V	Ve/Vr 0	00.0	
			2130	0		107.72				0.11	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN \			
1050	2 222		0101			24.00	4 505	1 000			9748.09	_	Ve/Vr 0	0.02	0.001
1068	0.000	2	2121	0			1.625		0 120	0.03		0.00		2 00	9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr 6		
			2122	0		26 00	1.625	1 000		0.03	9748.09		Ve/Vr 0	0.00	9.08 ¹
			2122						0.130			kN \		9 08	7.00
						0.00	1.020	0.812	0.130	-	9748.09		ve/vr 0		
			2125	0		107.72	1,625	1.000		0.11	0.00	0.00			9.081
									0.130			kN \		9.33	
										_	9748.09		Ve/Vr 0		
			2126	0		19.93	1.625	1.000	_	0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN V	Ve/Vr 0	0.06	
										Vrd2,c	9748.09	kN V	Ve/Vr 0	00.6	
			2129	0		19.93	1.625	1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	Ve/Vr 0	0.06	
										Vrd2,c	9748.09	kN \	Ve/Vr 0	00.0	
			2130	0		107.72				0.11	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
										-	9748.09		Ve/Vr 0	0.02	
	0.997	2	2121	0			1.625			0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr 0		
			2122	0		24 12	1.625	1 000			9748.09	0.00	Ve/Vr 0	0.00	0.001
			2122	٥					0.130	0.02 Vrd1,c	0.00 537.92		Ve/Vr 0	0.7	9.081
						0.00	1.020	0.812	0.130	_	9748.09		ve/vr 6		
			2125	0		96.65	1.625	1.000		0.10	0.00	0.00		7.00	9.081
			2123						0.130	Vrd1,c			Ve/Vr 0	1.29	3.00
						0.00	- 1 - 2 - 3	01022	01230		9748.09				
			2126	0		17.64	1.645	1.000		0.02	0.00	0.00			9.081
									0.065					0.05	
											9869.94				
			2129	0		17.64	1.645	1.000		0.02	0.00	0.00			9.08 ¹
						0.00	1.828	0.812	0.065	_	537.92				
										_	9869.94	kN \	Ve/Vr 0	00.0	
			2130	0			1.625			0.10	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92				
											9748.09			9.02	
1069	0.000	2	2121	0			1.625			0.02		0.00			9.081
						0.00	1.828	0.812	0.130	-	537.92				
			2122	0	Н	24 12	1 (25	1 000			9748.09			0.00	0.001
			* ノリノノ	0		24.12	1.625		0 120	0.02 Vrd1,c	0.00	0.00			9.081
						0 00	1 000	017		vi'di.C			10/110	07	
	<u> </u>					0.00	1.828	0.812	0.130	_			Ve/Vr 6		
				0					0.130	Vrd2,c	9748.09	kN \	Ve/Vr 0		9 091
			2125	0		96.65	1.625	1.000		Vrd2,c 0.10	9748.09 0.00	kN \	Ve/Vr 0	00.0	9.081
				0		96.65	1.625	1.000	0.130	Vrd2,c 0.10 Vrd1,c	9748.09 0.00 537.92	kN \ 0.00 \ kN \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ve/Vr 0 Ve/Vr 0	0.00	9.081
			2125	0		96.65 0.00	1.625 1.828	1.000 0.812		Vrd2,c 0.10 Vrd1,c Vrd2,c	9748.09 0.00 537.92 9748.09	kN	Ve/Vr 6 Ve/Vr 6 Ve/Vr 6	0.00	9.08 ¹
						96.65 0.00 17.64	1.625 1.828 1.645	1.000 0.812 1.000		Vrd2,c 0.10 Vrd1,c Vrd2,c 0.02	9748.09 0.00 537.92 9748.09 0.00	kN	Ve/Vr 6 Ve/Vr 6 Ve/Vr 6	0.00	9.081

Bruchbemessung Stäbe

Erforder	liche So	hubbe	ewehru	ng										4	
Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]			[MPa]			[cm2/m]
						σ-х	d	beff		relative					
						[MPa]	[m]	[m]	[0/0]						
1069	0.000	2	2129	0			1.645			0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065	-		kN \			
											9869.94		/e/Vr	0.00	
			2130	0			1.625		0.430	0.10	0.00	0.00		0 20	9.081
						0.00	1.828	0.812	0.130		9748.09	kN \	ve/vr Ve/Vr		
	0.997	2	2121	0		21 07	1 6/15	1.000		0.02		0.00		0.02	9.081
	0.557	_	2121						0.065				/e/Vr	0.06	3.00
										_	9869.94		/e/Vr		
			2122	0		21.07	1.645	1.000		0.02		0.00			9.081
						0.00	1.828	0.812	0.065	Vrd1,c	537.92	kN \	/e/Vr	0.06	
										Vrd2,c	9869.94	kN ۱	/e/Vr	0.00	
			2125	0				1.000		0.09	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		/e/Vr		
											9748.09		/e/Vr	0.01	
			2126	0				1.000	0.055	0.02	0.00	0.00		0.05	9.081
						0.00	1.828	0.812	0.065		537.92		Ve/Vr		
			2129	0		15 61	1 6/15	1.000		0.02	9869.94	0.00	/e/Vr	0.00	9.081
			2123						0.065		537.92		/e/Vr	0 05	9.00
						0.00	1.020	0.012	0.003	-	9869.94		ve/Vr		
			2130	0		85.58	1.625	1.000	7	0.09	0.00	0.00			9.081
								_	0.130		537.92		/e/Vr	0.26	
											9748.09		/e/Vr		
1070	0.000	2	2121	0		21.07	1.645	1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065	-	537.92		/e/Vr	0.06	
											9869.94		/e/Vr	0.00	
			2122	0				1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065		537.92		/e/Vr		
			2125	0		OF F0	1.625	1 000			9869.94	0.00	/e/Vr	0.00	9.081
			2125	0					0 130	0.09 Vrd1,c	0.00 537.92		/e/Vr	0 26	9.08-
						0.00	1.020	0.812	0.130		9748.09				
			2126	0		15,61	1.645	1.000		0.02		0.00		0.01	9.081
									0.065		537.92			0.05	
											9869.94				
			2129	0		15.61	1.645	1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.065			kN \			
											9869.94			0.00	
			2130	0				1.000	0.155	0.09		0.00		0.05	9.081
						0.00	1.828	0.812	0.130			kN \			
	0.997	-	2121	0		10 22	1 645	1.000		0.02	9748.09	0.00		U.UI	9.081
	0.99/	2	2121	٥					0.130				/e/Vr	9 96	9.081
						0.00	1.020	0.012	0.130		9869.94				
			2122	0		18.32	1.645	1.000		0.02		0.00		1.30	9.081
									0.130				/e/Vr	0.06	
											9869.94		/e/Vr		
			2125	0		74.51	1.625	1.000		0.07	0.00				9.081
						0.00	1.828	0.812	0.130		537.92		/e/Vr		
											9748.09		/e/Vr	0.01	
			2126	0				1.000		0.01	0.00			0.01	9.081
						0.00	1.828	0.812	0.130		537.92		/e/Vr		
										vrd2,c	9869.94	KN \	ve/Vr	0.00	

Erforder			wenrur LF		Z	Т	_	ha	le.	τ-V	τ-T	~ TT	cotθ	Q	As/s
Stab	x[m]	QNr	LF	5		l [kN/m]	[m]	1	l .		τ-ι [MPa]		[-][°		[cm2/m]
						σ-x	Liii]			relative				1	[[[]
						[MPa]	[m]		[0/0]	Clucive	Jenaber	и <u>Б</u> тип <u>т</u> Б	KCICCII		
1070	0.997	2	2129	0				1.000	[0,0]	0.07	0.00	0.00			9.081
		_							0.130	Vrd1,c			Ve/Vr 0.	22	
										_	9748.09		Ve/Vr 0.		
			2130	0		14.32	1.645	1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.	04	
										Vrd2,c	9869.94		Ve/Vr 0.	00	
1071	0.000	2	2121	0				1.000		0.02		0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.		
			2422					1 000			9869.94		Ve/Vr 0.	00	
			2122	0				1.000	0.120	0.02	0.00			06	9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.		
			2125	0		7/ 51	1 625	1.000		0.07	9869.94	0.00	Ve/Vr 0.	00	9.081
			2123	9					0.130		537.92		Ve/Vr 0.	23	9.00-
						0.00	1.020	0.812	0.130	_	9748.09		Ve/Vr 0. Ve/Vr 0.		
			2126	0		13.57	1,645	1.000		0.01	0.00	0.00			9.081
									0.130		537.92		Ve/Vr 0.	04	
											9869.94		Ve/Vr 0.	00	
			2129	0		73.76	1.625	1.000		0.07	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.	22	
										Vrd2,c	9748.09	kN	Ve/Vr 0.	01	
			2130	0				1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.		
										-	9869.94		Ve/Vr 0.	00	
	0.997	2	2121	0				1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.		
			2122	0		15 77	1 625	1.000		0.02	9748.09	0.00	Ve/Vr 0.	00	9.081
			2122	U					0.130		537.92		Ve/Vr 0.	95	9.00
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr 0. Ve/Vr 0.		
			2125	0		63.44	1.625	1.000		0.06	0.00	0.00			9.081
									0.130	Vrd1,c			Ve/Vr 0.	19	
											9748.09		Ve/Vr 0.	01	
			2126	0		11.53	1.645	1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.	04	
											9869.94	kN '	Ve/Vr 0.	00	
			2129	0				1.000		0.06	0.00	0.00		\perp	9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.		
			24.20			12.22	1 615	1 000			9748.09		Ve/Vr 0.	10	0.001
			2130	0				1.000	0.120	0.01 Vnd1 c	0.00			04	9.081
						0.00	1.828	0.812	0.130	_	9869.94		Ve/Vr 0.		
1072	0.000	2	2121	0		15 77	1 625	1.000		0.02	0.00			00	9.081
10/2	0.000		7171	U					0.130				Ve/Vr 0.	95	J.00-
						0.00		0.012	0.150	-	9748.09		Ve/Vr 0. Ve/Vr 0.		
			2122	0		15.77	1.625	1.000		0.02	0.00	0.00			9.081
									0.130				Ve/Vr 0.	05	
										_	9748.09		Ve/Vr 0.		
			2125	0				1.000		0.06	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.	19	
											9748.09		Ve/Vr 0.	01	
			2126	0				1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.		
										Vrd2,c	9869.94	· kN	Ve/Vr 0.	00	

Bruchbemessung Stäbe

Stab	liche So x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ. TT	cotθβ	As/s
Stab	x[m]	ŲΝΙ.	LF	3		ı [kN/m]	[m]	1			[MPa]		[-] [-]	
						σ-x	td			relative				[CIII2/III]
						[MPa]	[m]		[0/0]			-66		
1072	0.000	2	2129	0				1.000	[-, -]	0.06	0.00	0.00		9.081
									0.130				Ve/Vr 0.1	9
										Vrd2,c	9748.09	kN	Ve/Vr 0.0	1
			2130	0		12.28	1.645	1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.0	
											9869.94		Ve/Vr 0.0	
	0.997	2	2121	0				1.000		0.01		0.00		9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.0	
			2122	0		12.00	1 625	1.000			9748.09		Ve/Vr 0.0	9.081
			2122	0					0.130	0.01 Vrd1,c			 Ve/Vr 0.0	1
						0.00	1.020	0.812	0.130	_	9748.09		ve/vr 0.0 Ve/Vr 0.0	
			2125	0		52 37	1 625	1.000		0.05	0.00	0.00		9.081
			2123						0.130		537.92		Ve/Vr 0.1	
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr 0.0	
			2126	0		9.62	1.625	1.000		0.01	0.00	0.00		9.081
									0.130				Ve/Vr 0.0	1
											9748.09	kN	Ve/Vr 0.0	0
			2129	0		51.62	1.625	1.000		0.05	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.1	6
										Vrd2,c	9748.09		Ve/Vr 0.0	1
			2130	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.0	
										-	9869.94		Ve/Vr 0.0	
1073	0.000	2	2121	0				1.000		0.01	0.00	0.00	 Ve/Vr 0.0	9.081
						0.00	1.828	0.812	0.130		537.92 9748.09		ve/vr 0.0 Ve/Vr 0.0	
			2122	0		12 98	1 625	1.000		0.01	0.00	0.00		9.081
			2122						0.130		537.92		Ve/Vr 0.0	
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr 0.0	
			2125	0	П	52.37	1.625	1.000		0.05	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c		kN	Ve/Vr 0.1	6
													Ve/Vr 0.0	1
			2126	0		9.62	1.625	1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr 0.0	3
													Ve/Vr 0.0	
			2129	0				1.000		0.05	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.1	
			2420			10.24	4 645	1 000		-	9748.09		Ve/Vr 0.0	
			2130	0				1.000	0 120	0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.0 Ve/Vr 0.0	
	0.997	2	2121	0		10 20	1 625	1.000		0.01	0.00			9.081
	0.557		2121						0.130				Ve/Vr 0.0	
						0.00	1.020	0.012	0.130	-			Ve/Vr 0.0	
			2122	0		10.20	1,625	1.000		0.01	0.00	0.00		9.081
									0.130				Ve/Vr 0.0	
										_	9748.09		Ve/Vr 0.0	
			2125	0		41.30	1.625	1.000		0.04	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.1	2
											9748.09	kN	Ve/Vr 0.0	
			2126	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.0	
										Vrd2,c	9748.09	kN '	Ve/Vr 0.0	0

Erforder					Z		_	he	I.	- 1/		~ **	cot0 C	A=/-
Stab	x[m]	QNr	LF	S		T [kN/m]	[m]	1	l .		τ-T [MPa]		cotθ β [-] [°]	
						[KN/III] σ-x	LIII]			relative				[CIII2/III]
						[MPa]	[m]		[0/0]	CIUCIVC	Jenuber	а <u>Б</u> тап <u>т</u> Б	KCICII	
1073	0.997	2	2129	0			1.625		[0,0]	0.04	0.00	0.00		9.081
		_							0.130				Ve/Vr 0.12	
										•	9748.09		Ve/Vr 0.01	
			2130	0		8.31	1.625	1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.03	3
										Vrd2,c	9748.09		Ve/Vr 0.00)
1074	0.000	2	2121	0				1.000		0.01		0.00		9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.03	
											9748.09		Ve/Vr 0.00	
			2122	0				1.000		0.01	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.03	
			2125	0		41 20	1 625	1 000		-	9748.09		Ve/Vr 0.00	
			2125	0				1.000	0.130	0.04	0.00	0.00	 Ve/Vr 0.12	9.081
						0.00	1.020	0.812	0.130	_	537.92 9748.09		ve/vr 0.12 Ve/Vr 0.01	
			2126	0		7 55	1 625	1.000		0.01	0.00	0.00		9.081
			2120	U					0.130		537.92		Ve/Vr 0.02	
						0.00	1.020	0.012	0.130		9748.09		Ve/Vr 0.02 Ve/Vr 0.00	
			2129	0		40.55	1.625	1.000		0.04		0.00		9.081
									0.130		537.92		Ve/Vr 0.12	
											9748.09		Ve/Vr 0.01	
			2130	0	П	8.31	1.625	1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.03	3
										Vrd2,c	9748.09	kN	Ve/Vr 0.00)
	0.997	2	2121	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr 0.02	2
											9748.09		Ve/Vr 0.00	
			2122	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.02	
			2425			20.00	4 505				9748.09		Ve/Vr 0.00	
			2125	0			1.625		0 120	0.03	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c			Ve/Vr 0.09 Ve/Vr 0.01	
			2126	0		F 40	1 625	1.000		0.01	0.00	0.00		9.081
			2120	9					0.130				Ve/Vr 0.02	
						0.00	1.020	0.012	0.130				Ve/Vr 0.02 Ve/Vr 0.00	
			2129	0		29.48	1,625	1.000		0.03	0.00	0.00		9.081
									0.130				Ve/Vr 0.09	
											9748.09		Ve/Vr 0.00	
			2130	0		6.25	1.625	1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.02	2
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00)
1075	0.000	2	2121	0				1.000		0.01	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.02	
													Ve/Vr 0.00	
			2122	0				1.000		0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.02	
			24.55			20.05	1 505	1 000			9748.09		Ve/Vr 0.00	
			2125	0				1.000		0.03	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-	537.92 9748.09		Ve/Vr 0.09	
			2126	0		5 10	1.625	1.000		0.01	0.00	0.00	Ve/Vr 0.01	9.081
			2120	J					0.130				Ve/Vr 0.02	
						0.00	1.020	0.012	0.150	-	9748.09		Ve/Vr 0.02 Ve/Vr 0.00	
										V. U.Z., C	J, TU. UJ	17.14	. C, VI 0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ	R	As/s
Stab	^ []	QIVI	L	3	_	[kN/m]	[m]	1	l .		[MPa]		[-]		[cm2/m]
						σ-x	t III J			relative					[[]
						[MPa]	[m]		[0/0]		Senaser	aB.aB			
1075	0.000	2	2129	0			1.625		[-, -]	0.03	0.00	0.00			9.081
									0.130		537.92			0.09	
										Vrd2,c	9748.09	kN	Ve/Vr (0.00	
			2130	0		6.25	1.625	1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr (
											9748.09		Ve/Vr (0.00	
	0.997	2	2121	0				1.000		0.00		0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
			2122	0		4.62	1 625	1.000		0.00	9748.09		Ve/Vr (0.00	9.081
			2122	0					0.130			kN '		2 21	9.08-
						0.00	1.020	0.612	0.130	-	9748.09		Ve/Vr (
			2125	0		19 16	1 625	1.000		0.02	0.00	0.00		0.00	9.081
			2123						0.130		537.92		Ve/Vr (9.96	J.00
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr (
			2126	0		3.43	1.625	1.000		0.00	0.00	0.00			9.081
									0.130				Ve/Vr (0.01	
										1	9748.09	kN	Ve/Vr (0.00	
			2129	0		18.41	1.625	1.000		0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92		Ve/Vr (
										Vrd2,c	9748.09	kN '	Ve/Vr (0.00	
			2130	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr (
										-	9748.09		Ve/Vr	0.00	
1076	0.000	2	2121	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-	537.92		Ve/Vr		
			2122	0		1 62	1 625	1.000		0.00	9748.09	0.00	Ve/Vr (0.00	9.081
			2122	U					0.130		537.92		Ve/Vr (a a1	9.00
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr (
			2125	0		19.16	1.625	1.000		0.02	0.00	0.00			9.081
									0.130	Vrd1,c			Ve/Vr (0.06	
											9748.09				
			2126	0		3.43	1.625	1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr (0.01	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.00	
			2129	0				1.000		0.02	0.00				9.081
						0.00	1.828	0.812	0.130			kN			
											9748.09		Ve/Vr (0.00	
			2130	0				1.000		0.00	0.00			0.01	9.081
						0.00	1.828	0.812	0.130			kN '			
	0.997	^	2121	0		1 05	1 625	1.000			9748.09			0.00	9.081
	0.33/	2	2121	V					0.130	0.00 Vrd1,c	0.00 537 92	0.00 kN		a a1	9.00
						0.00	1.020	0.012	0.130	-	9748.09				
			2122	0		1.85	1.625	1.000		0.00	0.00	0.00			9.081
									0.130			kN		0.01	
										_	9748.09		Ve/Vr (
			2125	0		8.09	1.625	1.000		0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.02	
											9748.09	kN	Ve/Vr (0.00	
			2126	0				1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr (
										Vrd2,c	9748.09	kN	Ve/Vr (0.00	

Bruchbemessung Stäbe

Erforder Stab			wenrur LF		Z	Т	_	ha	le.	τ-V	τ-T	~ TT	cotθ β	As/s
Stab	x[m]	QNr	LF	5		l [kN/m]	[m]	1	l .		τ-ι [MPa]		[-] [°]	
						σ-x	LIII]			relative				[CIII2/III]
						[MPa]	[m]		[0/0]	Clacive	Jenaber	ug i uii±6	KCICCII	
1076	0.997	2	2129	0			1.625		[0,0]	0.01	0.00	0.00		9.081
		_							0.130				Ve/Vr 0.0	1
										_	9748.09		Ve/Vr 0.0	
			2130	0		2.12	1.625	1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	. kN	Ve/Vr 0.0	1
										Vrd2,c	9748.09		Ve/Vr 0.0	0
1077	0.000	2	2121	0				1.000		0.00		0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.0	
											9748.09		Ve/Vr 0.0	
			2122	0				1.000		0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.0	
			2125	0		0.00	1 625	1 000		-	9748.09		Ve/Vr 0.0	
			2125	0				1.000	0.130	0.01 Vrd1,c	0.00	0.00 kN	 Ve/Vr 0.0	9.081
						0.00	1.020	0.812	0.130	_	9748.09		ve/vr 0.0 Ve/Vr 0.0	
			2126	0		1 37	1 625	1.000		0.00	0.00	0.00		9.081
			2120	U					0.130				Ve/Vr 0.0	1
						0.00	1.020	0.012	0.130		9748.09		Ve/Vr 0.0	
			2129	0		7.34	1.625	1.000		0.01		0.00		9.081
									0.130		537.92		Ve/Vr 0.0	1
										_	9748.09		Ve/Vr 0.0	
			2130	0		2.12	1.625	1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr 0.0	1
										Vrd2,c	9748.09	kN '	Ve/Vr 0.0	0
	0.997	2	2121	0				1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.0	0
											9748.09		Ve/Vr 0.0	
			2122	0				1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.0	
			2425				4 505				9748.09		Ve/Vr 0.0	
			2125	0				1.000	0 120	0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c			Ve/Vr 0.0 Ve/Vr 0.0	
			2126	0		2 72	1 625	1.000		-0.00	0.00	0.00		9.081
			2120	U					0.130				Ve/Vr 0.0	1
						0.00	1.020	0.012	0.130				Ve/Vr 0.0 Ve/Vr 0.0	
			2129	0		-3.73	1,625	1.000		-0.00	0.00	0.00		9.081
									0.130				Ve/Vr 0.0	
										_	9748.09		Ve/Vr 0.0	
			2130	0		0.06	1.625	1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN '	Ve/Vr 0.0	0
										Vrd2,c	9748.09	kN '	Ve/Vr 0.0	0
1078	0.000	2	2121	0		-0.94	1.625	1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.0	
											9748.09		Ve/Vr 0.0	
			2122	0				1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.0	
			24.05	_		0.00	1 625	1 000			9748.09		Ve/Vr 0.0	
			2125	0				1.000		0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92 9748.09		Ve/Vr 0.0	
			2126	0		-3 72	1.625	1.000		-0.00	0.00	0.00	Ve/Vr 0.0	9.081
			2120	J					0.130				Ve/Vr 0.0	
						0.00	1.020	0.012	0.150	-	9748.09		Ve/Vr 0.0 Ve/Vr 0.0	
										v. u2, c	5, 40.05	1414	, 11 0.0	•

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ	R	As/s
Stab	χ[III]	QIVI.	LF	3	-	kN/m]	[m]	1	l .	1 1	[MPa]		[-]		
						σ-x	t III J			relative					[[]
						[MPa]	[m]		[0/0]		Senaser	ug.u6			
1078	0.000	2	2129	0				1.000	[-, -]	-0.00	0.00	0.00			9.081
									0.130		537.92			0.01	
										Vrd2,c	9748.09	kN	Ve/Vr 0	0.00	
			2130	0		0.06	1.625	1.000		0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
											9748.09		Ve/Vr (0.00	
	0.997	2	2121	0				1.000		-0.00		0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
			2122	0		2 72	1 625	1.000		-0.00	9748.09		Ve/Vr (0.00	9.081
			2122	0					0.130			kN '		2 01	9.08-
						0.00	1.020	0.012	0.130	-	9748.09		Ve/Vr (
			2125	0		-2 00	1 625	1.000		-0.00	0.00	0.00		0.00	9.081
			2123						0.130		537.92		Ve/Vr (a . 01	7.00
						0.00		01022	01250	_	9748.09		Ve/Vr 0		
			2126	0	П	-14.80	1.625	1.000	_	-0.01	0.00	0.00			9.081
									0.130		537.92	kN	Ve/Vr (0.04	
										Vrd2,c	9748.09	kN	Ve/Vr 0	0.00	
			2129	0		-14.80	1.625	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
											9748.09		Ve/Vr (0.00	
			2130	0				1.000		-0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0		
										-	9748.09		Ve/Vr (0.00	
1079	0.000	2	2121	0				1.000		-0.00	0.00	0.00		2 01	9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr (
			2122	0		-3 72	1 625	1.000		-0.00	9748.09	0.00	Ve/Vr (0.00	9.081
			2122	U					0.130		537.92		Ve/Vr 0	a a1	7.00
						0.00	1.020	0.012	0.130	_	9748.09		Ve/Vr (
			2125	0		-2.00	1.625	1.000		-0.00	0.00	0.00			9.081
									0.130	Vrd1,c		kN	Ve/Vr 6	0.01	
											9748.09		Ve/Vr 0	0.00	
			2126	0		-14.80	1.625	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0	0.04	
											9748.09	kN	Ve/Vr (0.00	
			2129	0		-14.80				-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
			24.20			2.00	1 625	1 000		_	9748.09		Ve/Vr (0.00	0.001
			2130	0				1.000	0.120	-0.00	0.00	0.00		2 01	9.081
						0.00	1.828	0.812	0.130	_		kN '			
	0.997	2	2121	0		-6 51	1 625	1.000		-0.01	9748.09			0.00	9.081
	0.337		7171	U					0.130			kN '		3.02	J. 08-
						0.00		0.012		-	9748.09				
			2122	0		-6.51	1.625	1.000		-0.01	0.00	0.00			9.081
									0.130			kN		0.02	
										_	9748.09		Ve/Vr 6		
			2125	0				1.000		-0.00	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0	0.01	
											9748.09		Ve/Vr (0.00	
			2126	0		-25.87				-0.03	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr (
										Vrd2,c	9748.09	kN	Ve/Vr 0	0.00	

Stab	liche So x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ. TT	cotθβ	As/s
Stab	x[m]	ŲΝΙ.	LF	3	-	ı [kN/m]	[m]	1	l .		[MPa]		[-] [.]	
						σ-x	L'''J			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]	Clucive	Jenaber	ч <u>Б г чтт-</u> Б	RCICCII	
1079	0.997	2	2129	0		-25.87			[0,0]	-0.03	0.00	0.00		9.081
		_							0.130				Ve/Vr 0.08	
											9748.09		ve/Vr 0.00	
			2130	0		-4.06	1.625	1.000		-0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.0	1
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	9
1080	0.000	2	2121	0		-6.51	1.625	1.000		-0.01		0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.02	
											9748.09		Ve/Vr 0.00	
			2122	0				1.000		-0.01	0.00			9.081
						0.00	1.828	0.812	0.130	-			Ve/Vr 0.0	
			2425				4 505	1 000			9748.09		Ve/Vr 0.00	
			2125	0				1.000	0.430	-0.00	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.0	
			2126	0		-25.87	1 625	1 000		-0.03	9748.09	0.00	Ve/Vr 0.00	9.081
			2120	9					0.130		537.92		 Ve/Vr 0.0	
						0.00	1.020	0.812	0.130		9748.09		Ve/Vr 0.00	
			2129	0		-25.87	1.625	1.000		-0.03		0.00		9.081
									0.130		537.92		Ve/Vr 0.08	
						0.00	- 1 - 2 - 3	01022			9748.09		Ve/Vr 0.00	
			2130	0		-4.06	1.625	1.000		-0.00	0.00	0.00		9.081
								_	0.130		537.92	kN	Ve/Vr 0.0	1
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	9
	0.997	2	2121	0		-9.29	1.625	1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.03	3
											9748.09		Ve/Vr 0.00	
			2122	0				1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.03	
											9748.09		Ve/Vr 0.00	
			2125	0				1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c			Ve/Vr 0.0	
			2126	_		-36.94	1 625	1 000					Ve/Vr 0.00	
			2126	0						-0.04	0.00	0.00	Ve/Vr 0.1	9.081
						0.00	1.020	0.812	0.130				Ve/Vr 0.01	
			2129	0		-36.94	1.625	1.000		-0.04	0.00	0.00		9.081
									0.130				Ve/Vr 0.1	
										-	9748.09		Ve/Vr 0.0	
			2130	0	7	-6.13	1.625	1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.02	2
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	9
1081	0.000	2	2121	0		-9.29	1.625	1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr 0.03	3
												kN	Ve/Vr 0.00	
			2122	0				1.000		-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr 0.03	
											9748.09		Ve/Vr 0.00	
			2125	0				1.000	0.635	-0.01	0.00	0.00		9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr 0.02	
			2126	Ω		-36.94	1 625	1 000			9748.09		Ve/Vr 0.00	9.081
			2120	0					0.130	-0.04 Vrd1,c	0.00 537.92	0.00	 Ve/Vr 0.1	
						0.00	1.028	0.012	0.130	-	9748.09		ve/vr 0.1. Ve/Vr 0.0:	
										VIUZ	2740.09	KIN	ve/vi v.v.	

Bruchbemessung Stäbe

Stab	x[m]	QNr	wehrur LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	1 1	[MPa]	[MPa]			
						σ-x	d			relative					
						[MPa]	[m]	[m]	[0/0]						
1081	0.000	2	2129	0		-36.94				-0.04	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	Ve/Vr	0.11	
										-	9748.09	kN \	Ve/Vr	0.01	
			2130	0				1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN \			
	0.007		2424			42.07	4 605	4 000			9748.09		Ve/Vr	0.00	0.001
	0.997	2	2121	0		-12.07			0.130	-0.01		0.00		0 01	9.081
						0.00	1.020	0.812	0.130	-	537.92 9748.09		Ve/Vr Ve/Vr		
			2122	0		-12.07	1 625	1 000		-0.01	0.00			0.00	9.081
			2122						0.130			kN \		9.94	7.00
						0.00	1.020	0.012	0.130	-	9748.09		Ve/Vr		
			2125	0		-8.19	1.625	1.000		-0.01	0.00	0.00			9.081
									0.130			kN \	Ve/Vr	0.02	
										Vrd2,c	9748.09	kN \	Ve/Vr	0.00	
			2126	0		-48.01	1.625	1.000		-0.05	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_			Ve/Vr	0.15	
											9748.09		Ve/Vr	0.01	
			2129	0		-48.01				-0.05		0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr		
			24.20			0.10	1 625	1 000	-		9748.09		Ve/Vr	0.01	0.001
			2130	0				1.000	0.130	-0.01	0.00 537.92	0.00	Ve/Vr	0 02	9.081
						0.00	1.828	0.812	0.130	_	9748.09		ve/vr Ve/Vr		
1082	0.000	2	2121	0		-12.07	1 625	1 000		-0.01	0.00	0.00		0.00	9.081
1002	0.000		2121						0.130		537.92		Ve/Vr	0.04	7.00
						0.00		01022	01230		9748.09		Ve/Vr		
			2122	0		-12.07	1.625	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	ve/Vr	0.04	
										Vrd2,c	9748.09	kN \	Ve/Vr	0.00	
			2125	0			1.625			-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c			Ve/Vr		
											9748.09			0.00	
			2126	0		-48.01				-0.05	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c					
			2129	0		-48.01	1 625	1 000			9748.09			0.01	9.081
			2129	9	f				0.130	-0.05 Vrd1,c	537.92	0.00		0 15	9.00
						0.00	1.020	0.812	0.130	_	9748.09				
			2130	0		-8.19	1,625	1.000		-0.01		0.00		1	9.081
									0.130		537.92			0.02	
										_	9748.09				
	0.997	2	2121	0		-14.86	1.625	1.000		-0.01		0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN \	Ve/Vr	0.04	
		_								Vrd2,c	9748.09	kN \	Ve/Vr	0.00	
			2122	0		-14.86				-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN \			
											9748.09			0.00	
			2125	0		-10.12			0.422	-0.01		0.00		0.00	9.081
						0.00	1.828	0.812	0.130	_		kN \			
			2126	0		-59.08	1 625	1 000		-0.06	9869.94	0.00		0.00	9.081
			2120	9					0.130				Ve/Vr	0 19	3.00-
						0.00	1.020	0.012	0.130	-	9748.09				
										V. 42, C	5,40.05	1214	- C/ VI	J. UI	

Stab	liche So x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	~ TT	cotθ	Ω	As/s
Stab	x[m]	ĆΜ.	LF	3	-	ı [kN/m]	[m]		l .		[MPa]	[MPa]			
						σ-x	t III J			relative					[CIIIZ/III]
						[MPa]	[m]		[0/0]	CIUCITO	Senaser	aB.aB			
1082	0.997	2	2129	0		-59.08		 	[0,0]	-0.06	0.00	0.00			9.081
		_							0.130		537.92			0.18	
											9748.09		Ve/Vr		
			2130	0		-10.12	1.645	1.000		-0.01	0.00	0.00	4		9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.03	
										Vrd2,c	9869.94	kN	Ve/Vr	0.00	
1083	0.000	2	2121	0		-14.86				-0.01		0.00			9.081
						0.00	1.828	0.812	0.130	_	537.92				
											9748.09		Ve/Vr	0.00	
			2122	0		-14.86				-0.01	0.00				9.081
						0.00	1.828	0.812	0.130	-		kN			
			24.25			10.12	1 645	1 000			9748.09		Ve/Vr	0.00	0.001
			2125	0		-10.12		0.812	0 120	-0.01 Vrd1,c	0.00	0.00	Ve/Vr	0 02	9.081
						0.00	1.020	0.812	0.130	_	537.92 9869.94		Ve/Vr		
			2126	0		-59.08	1 625	1 000		-0.06	0.00	0.00		0.00	9.081
			2120	U				0.812	0.130				Ve/Vr	0.18	7.00
						0.00	1.020	0.012	0.130		9748.09		Ve/Vr		
		_	2129	0		-59.08	1.625	1.000		-0.06		0.00			9.081
								0.812			537.92	kN	Ve/Vr	0.18	
										_	9748.09		Ve/Vr		
			2130	0		-10.12	1.645	1.000		-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.03	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
	0.997	2	2121	0		-17.43				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92		Ve/Vr		
											9869.94		Ve/Vr	0.00	
			2122	0		-17.43				-0.02	0.00	0.00		2 25	9.081
						0.00	1.828	0.812	0.130	_	537.92		Ve/Vr		
			2125	0		-12.16	1 645	1 000			9869.94	0.00	Ve/Vr	0.00	9.081
			2125	9					0 120	-0.01 Vrd1,c	0.00		Ve/Vr	0 01	9.00-
						0.00	1.020	0.812	0.130		9869.94				
			2126	0		-70.15	1.625	1.000		-0.07	0.00	0.00		1	9.081
			2120					0.812						0.21	3.00
											9748.09		Ve/Vr		
			2129	0		-70.15	1.625	1.000		-0.07	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	Vrd1,c	537.92	kN	Ve/Vr	0.21	
										Vrd2,c	9748.09	kN '	Ve/Vr	0.01	
			2130	0		-12.16				-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN			
						_					9869.94			0.00	
1084	0.000	2	2121	0		-17.43				-0.02	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	-		kN			
			2422			47.42	4 645	1 000		-	9869.94		Ve/Vr	0.00	0.001
			2122	0		-17.43			0 120	-0.02	0.00	0.00		0.05	9.081
						0.00	1.828	0.812	0.130	_	9869.94	kN '	ve/vr (Ve/Vr (
			2125	0		-12.16	1 6/15	1 000		-0.01	0.00	0.00		0.00	9.081
			212)	U				0.812	0.130		537.92		Ve/Vr	0.04	7.00
						0.00		0.012	0.150	_	9869.94		Ve/Vr		
			2126	0		-70.15	1.625	1.000		-0.07	0.00	0.00			9.081
								0.812	0.130				Ve/Vr	0.21	
										-	9748.09		Ve/Vr		

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	Z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1084	0.000	2	2129	0		-70.15				-0.07	0.00	0.00			9.081
						0.00	1.828	0.812	0.130		537.92				
										-	9748.09		Ve/Vr	0.01	
			2130	0		-12.16				-0.01	0.00	0.00			9.081
						0.00	1.828	0.812	0.130	_		kN '			
	0.007	2	2121			20.10	1 645	1 000			9869.94	_	Ve/Vr	0.00	9.081
	0.997	2	2121	0		-20.18			0.000	-0.02 Vrd1,c		0.00 kN		0 06	9.08-
						0.00	1.020	0.812	0.000	_	9869.94		ve/vr ve/Vr		
			2122	0		-20.18	1.645	1.000		-0.02	0.00			0.00	9.081
									0.000			kN '		0.06	
										_	9869.94		ve/Vr		
			2125	0		-14.20	1.645	1.000		-0.01	0.00	0.00			9.081
									0.000			kN '	Ve/Vr	0.04	
											9869.94		Ve/Vr		
			2126	0		-80.22	1.645	1.000		-0.08	0.00	0.00			9.081
						0.00	1.828	0.812	0.000				Ve/Vr	0.25	
											9869.94		Ve/Vr	0.01	
			2129	0		-80.22				-0.08		0.00			9.081
						0.00	1.828	0.812	0.000		537.92		Ve/Vr		
											9869.94		Ve/Vr	0.01	
			2130	0		-14.94		_		-0.01	0.00	0.00		0.05	9.081
						0.00	1.828	0.812	0.000	_	537.92		Ve/Vr Ve/Vr		
1085	0.000	2	2121	0		0.24	1 6/15	1.000		0.00	9869.94	0.00		0.00	9.081
1002	0.000		2121						0.065		544.23		Ve/Vr	9 99	9.00
						0.02	1.020	0.012	0.003		9869.94		ve/Vr		
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00			9.081
									0.065		605.56		Ve/Vr	0.00	
										_	10963.1		ve/Vr		
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
										Vrd2,c	10962.0	kN '	Ve/Vr	0.00	
			2126	0	Ι			1.000		0.00	0.00				9.081
						-0.15	1.828	0.812	0.065						
						0.40	1 (000	1 000			10966.3			0.00	0.001
			2129	0	I	-0.19				0.00		0.00		0 00	9.081
						-0.15	1.828	0.812	0.065	_	10966.3	kN '			
			2130	a	I	1.64	1 927	1 000		0.00	0.00	0.00		0.00	9.08 ¹
			2130	V	İ				0.065			kN '		a a1	9.00
						0.12	1.020	0.012	0.003	_	10962.0				
	1.003	2	2121	0		0.34	1.645	1.000		0.00		0.00		1	9.081
					М				0.065			kN '		0.00	
											9869.94				
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN '	Ve/Vr	0.00	
											10963.3	kN '	Ve/Vr	0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065			kN '			
			A :			_					10962.3			0.00	
			2126	0	Ι			1.000		0.00		0.00			9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr		
										Vrd2,c	10966.3	kN '	ve/Vr	0.00	

Bruchbemessung Stäbe

RN/m m m m m m m m m m	Erforder Stab	x[m]	QNr	LF		7	Т	z	bs	k	τ-V	τ-T	σ-TT	cotA R	As/s
	Stab	x[III]	QIVI	LF	3	_			1	ı	1 1				
															[C 2 / 1
1.885 1.883 2 2129 8 1 -8.19 1.828 8.182 0.865 1.828 0.812 0.865 1.828 0											Clucive	Jenuber	ug i uii±6	KCICCII	
-0.15 1.828 0.812 0.655 Vrd1,c 577.98 N Ve/Vr 0.69 -0.12 1.828 0.812 0.655 Vrd1,c 1.828 N Ve/Vr 0.89 -0.12 1.828 0.812 0.655 Vrd1,c 577.98 N Ve/Vr 0.89 -0.89	1085	1.003	2	2129	0	I				[0,0]	0.00	0.00	0.00		9.081
1086 0.000 2 2121 0 0.01 0.001										0.065					
1086 0.000 2 2121 0 0.04 1.645 1.000 0.000											-				
1086 0.000 2 2121 0 0.34 1.645 1.000 0.0				2130	0	Ι	1.64	1.827	1.000						1
1886 0.000 2 2121 0							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
-0.02 1.828 0.812 0.065 Vrd1, c 544.23 kN Ve/Vr 0.06 Vrd2, c 9869.34 kN Ve/Vr 0.06 Vrd2, c 9869.34 kN Ve/Vr 0.06 Vrd2, c 9869.34 kN Ve/Vr 0.06 Vrd2, c 9869.34 kN Ve/Vr 0.06 Vrd2, c 9869.34 kN Ve/Vr 0.06 Vrd2, c 19863.3 kN Ve/Vr 0.06 Vrd2, c 19863.3 kN Ve/Vr 0.06 Vrd2, c 19862.4 kN Ve/Vr 0.06 Vrd2, c 19862.6 kN Ve/Vr 0.06 Vrd2, c 19862.6 kN Ve/Vr 0.06 Vrd2, c 1											Vrd2,c	10962.3	kN '	Ve/Vr 0.0	а
	1086	0.000	2	2121	0								$\overline{}$		
2122 0 1 1.15 1.827 1.000 0.00 0.							-0.02	1.828	0.812	0.065	-				
-0.25 1.828 0.812 0.065					_										
				2122	0	Ι									
2125 0							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 0.06 0.00				24.25		_	1 (1	1 007	1 000		-				
2126 0 1 -0.15 1.828 1.000 0.0				2125	0	T				0.065					
2126							-0.12	1.020	0.812	0.005	_				
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10966.3 kN Ve/Vr 0.00 Vrd2, c 10962.3 kN Ve/Vr 0.00 Vrd2, c 10962.3 kN Ve/Vr 0.00 Vrd2, c 10962.3 kN Ve/Vr 0.00 Vrd2, c 10962.3 kN Ve/Vr 0.00 Vrd2, c 10963.3 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10963.5 kN Ve/Vr 0.00 Vrd2, c 10966.4 kN Ve/Vr 0.00				2126	a	т	-0 10	1 828	1 000						
				2120		_				0.065					
2129 0 1 -0.19 1.828 1.000 0.0							0.13	1.020	0.012	0.003	_				
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 KN Ve/Vr 0.00 Vrd2, c 10966.3 KN Ve/Vr 0.00 0				2129	0	Ι	-0.19	1.828	1.000					-	
										0.065			kN '	Ve/Vr 0.00	9
1.003 2 2121 0 0 0 0 0 0 0 0 0											_				
1.003 2 2121 0 0.34 1.645 1.000 0.0				2130	0	Ι	1.64	1.827	1.000		0.00	0.00			9.081
1.003 2 2121 0							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
-0.02 1.828 0.812 0.065 Vrd1,											Vrd2,c	10962.3	kN '	Ve/Vr 0.0	9
		1.003	2	2121	0										
2122 0 1 1.15 1.827 1.000 0.00							-0.02	1.828	0.812	0.065	_				
-0.25															
				2122	0	Ι									
2125							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.00 Vrd2, c 10962.6 kN Ve/Vr 0.00 9.081 0.01 Vrd2, c 10962.6 kN Ve/Vr 0.00 9.081 0.01 Vrd2, c 10962.6 kN Ve/Vr 0.00 9.081 0.001 0.00 9.081 0.001 0.00 9.081 0.001 0.00 9.081 0.001 0.001 9.081 0.001 0.001 0.001 9.081 0.001 0.				24.25		_	1 64	1 007	1 000						
				2125	0	T				0.005					1
2126							-0.12	1.020	0.812	0.005					
-0.15 1.828 0.812 0.065 Vrd1,				2126	a	т	-0 19	1 828	1 000						
1087 0.000 2 2121 0 0 0 0 0 0 0 0 0				2120		_									
2129 0 1 -0.19 1.828 1.000 0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.00 0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00															
-0.15				2129	0	1	-0.19	1.828	1.000						
2130							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr 0.0	9
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 0.00 0.00 0.00 0.00 9.081 0.002 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.025 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 0.00 Vrd2,c 10963.5 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.012 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 0.00 0.00 9.081 0.012 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.012 Vrd2,c 10962.6 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.015 Vrd2,c 10962.6 kN Ve/Vr 0.00 0.001 0.00 0.00 0.00 9.081 0.015 Vrd2,c 10962.6 kN Ve/Vr 0.00 0.001											Vrd2,c	10966.4	· kN	Ve/Vr 0.0	а
1087 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.25 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.25 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.12 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.00 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.005 0.00 0.00 0.00 0.00 0.00 -0.15 1.828 0.812 0.065 0.005 0.				2130	0	Ì									9.081
1087 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10963.5 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	1
-0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10963.5 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00															
Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00	1087	0.000	2	2121	0										
2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.02	1.828	0.812	0.065	-				
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10963.5 kN Ve/Vr 0.00 9.081 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00															
2125 0 I 1.64 1.827 1.000				2122	0	1				0.005					
2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2125		_	1 (4	1 027	1 000						
Vrd2,c 10962.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000				2125	٥	T				0 065					
2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.08 ¹ -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							20.12	1.020	0.012	0.003					
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2126	0	Т	-0.19	1.828	1.000						
										0.065					
											-				

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ	R	As/s
Stab	v[]	QIVI	L	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-]		
						σ-x	d d			relative					[[[]
						[MPa]	[m]		[0/0]						
1087	0.000	2	2129	0	Ι		1.828			0.00	0.00	0.00			9.081
									0.065		577.98			0.00	
										Vrd2,c	10966.4	kN	Ve/Vr 0	00.6	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-			Ve/Vr 0		
											10962.6		Ve/Vr 0	0.00	
	1.003	2	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-		kN			
			2122	0	I	1 1 5	1 027	1.000		0.00	9869.94		Ve/Vr 6	0.00	9.081
			2122	ש	1				0.065			kN		3 00	9.08-
						-0.25	1.020	0.612	0.005	_	10963.8		Ve/Vr 0		
			2125	а	Ι	1 64	1 827	1.000		0.00	0.00	0.00		0.00	9.081
			2123		_				0.065		571.80		Ve/Vr 0	9.01	7.00
						0.12	1.020	0.012	0.003	_	10962.9		Ve/Vr 0		
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065		577.98		Ve/Vr 6	0.00	
											10966.4	· kN	Ve/Vr 0	0.00	
			2129	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98		Ve/Vr 0		
										Vrd2,c	10966.4	kN	Ve/Vr 0	0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0		
										-	10962.9		Ve/Vr 6	0.00	
1088	0.000	2	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 6		
			2122	a	I	1 15	1 927	1.000		0.00	9869.94 0.00	0.00	Ve/Vr 0	0.00	9.081
			2122	U	_				0.065		605.56		Ve/Vr 0	2 00	9.00
						0.23	1.020	0.012	0.003	_	10963.8		Ve/Vr 0		
			2125	0	I	1.64	1.827	1.000		0.00	0.00	0.00			9.081
									0.065	Vrd1,c			Ve/Vr 0	0.01	
											10962.9				
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0	0.00	
											10966.4	· kN	Ve/Vr 0	00.6	
			2129	0	I					0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	-		kN			
			24.20		7	1.5	1 00-	1 000		_	10966.4		Ve/Vr 0	0.00	0.001
			2130	0	Ι			1.000	0.005	0.00	0.00	0.00 kN		2 01	9.081
						-0.12	1.828	0.812	0.065	_					
	1.003	2	2121	0		0 24	1 6/15	1.000		0.00	10962.9 0.00	0.00	Ve/Vr 0	שש. כ	9.081
	1.003		2121	U					0.065			kN		3.00	J. 08-
						0.02	1.020	0.012	0.005	-	9869.94		Ve/Vr 6		
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00			9.081
									0.065			kN		0.00	
										_	10964.0		Ve/Vr 0		
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0	0.01	
											10963.2	kN	Ve/Vr 0	00.6	
			2126	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0		
										Vrd2,c	10966.4	kN	Ve/Vr 0	0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [-]	
						σ-x	Liii]			relative				[[[[[[[[[[[[[[[[[[[[
						[MPa]	[m]		[0/0]	CIUCITO	. Semaser	ug. u6		
1088	1.003	2	2129	0	I		1.828		[0,0]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	
										-	10966.4		Ve/Vr 0.0	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	91
										Vrd2,c	10963.2	kN	Ve/Vr 0.0	90
1089	0.000	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.0	
				_							9869.94		Ve/Vr 0.0	
			2122	0	Ι			1.000		0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_			Ve/Vr 0.0	
			24.25		_	1 (1	1 007	1 000		-	10964.0		Ve/Vr 0.0	_
			2125	0	Ι			1.000	0.065	0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	10963.2		Ve/Vr 0.0 Ve/Vr 0.0	
			2126	a	I	-0 10	1 828	1.000		0.00	0.00	0.00		9.081
			2120		_				0.065		577.98		Ve/Vr 0.0	
						0.13	1.020	0.012	0.003	_	10966.4		Ve/Vr 0.0	
			2129	0	Ι	-0.19	1.828	1.000		0.00		0.00		9.081
									0.065		577.98		Ve/Vr 0.0	
										_	10966.4		Ve/Vr 0.0	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	91
										Vrd2,c	10963.2	kN '	Ve/Vr 0.0	90
	1.003	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.0	90
											9869.94		Ve/Vr 0.0	
			2122	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr 0.0	
					_		4 00-				10964.2		Ve/Vr 0.0	
			2125	9	Ι		1.827		0.065	0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr 0.0 Ve/Vr 0.0	
			2126	0	I	0.10	1 020	1.000		0.00	0.00	0.00		9.081
			2120	0	_				0.065				Ve/Vr 0.0	
						-0.15	1.020	0.812	0.003		10966.5		Ve/Vr 0.0	
			2129	9	1	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	
										_	10966.5		Ve/Vr 0.0	
			2130	0	I	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	91
										Vrd2,c	10963.5	kN	Ve/Vr 0.0	90
1090	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN	Ve/Vr 0.0	90
											9869.94	kN	Ve/Vr 0.0	
			2122	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065	_			Ve/Vr 0.0	
											10964.2		Ve/Vr 0.0	_
			2125	0	Ι			1.000	0.055	0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.0	
			2126	0	I	. 0. 10	1 020	1.000			10963.5		Ve/Vr 0.0	9.081
			2126	٥	T			0.812	0 065	0.00 Vrd1,c	0.00 577.99		 Ve/Vr 0.0	_
						-0.13	1.028	0.012	0.003	-	10966.5		Ve/Vr 0.0	
										vi uz, C	10900.3	KIN	VC/VI U.	,,

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθβ	As/s
Stab	v[]	QIVI	L	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	td			relative				[C2 /]
						[MPa]	[m]		[0/0]					
1090	0.000	2	2129	0	Ι		1.828			0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
											10963.5		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 1 5	1 027	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	9	1				0.065				Ve/Vr 0.00	9.08-
						-0.25	1.020	0.012	0.005	_	10964.4		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.01	7.00
						0.12	1.020	0.012	0.003	_	10963.8		Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.99		Ve/Vr 0.00	
										_	10966.5		Ve/Vr 0.00	
			2129	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN	Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
										-	10963.8	kN '	Ve/Vr 0.00	
1091	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.00	
			2122	_	_	1 15	1 027	1.000			9869.94		Ve/Vr 0.00	0.001
			2122	9	Ι				0.065	0.00 Vrd1,c	0.00 605.56	0.00	Ve/Vr 0.00	9.081
						-0.25	1.020	0.012	0.005	_	10964.4		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	a	I	1 64	1.827	1 000		0.00	0.00	0.00		9.081
			2123		_				0.065	Vrd1,c			Ve/Vr 0.01	3.00
						0.11		01022					Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c			Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2129	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.00	
					Ų						10966.5		Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
	4 000	<u> </u>	2424			0.24	4 645	1 000					Ve/Vr 0.00	0.001
	1.003	2	2121	0		_		1.000	0.065	0.00	0.00	0.00	Ve/Vr 0.00	9.081
						-0.02	1.020	0.812	0.005	-	9869.94		Ve/Vr 0.00 Ve/Vr 0.00	
			2122	a	I	1 15	1 827	1.000		0.00	0.00	0.00	1 1	9.081
			2122		Ė				0.065				Ve/Vr 0.00	7.00
										_	10964.6		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065		571.80		Ve/Vr 0.01	
											10964.1		Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10966.5	kN	Ve/Vr 0.00	

Bruchbemessung Stäbe

Stab	liche So x[m]		LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]				1 1	[MPa]		[-]		
						σ-х				relative					
						[MPa]	[m]	[m]	[0/0]						
1091	1.003	2	2129	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN \	Ve/Vr 0	0.00	
										Vrd2,c	10966.5	kN \	/e/Vr 0	9.00	
			2130	0	I		1.827			0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_		kN \			
											10964.1	_	/e/Vr 6	0.00	
1092	0.000	2	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-	544.23		/e/Vr 0		
			2422			1 15	1 027	1 000			9869.94		/e/Vr 6	3.00	0.001
			2122	0	Ι			1.000	0.065	0.00		0.00		2 00	9.081
						-0.25	1.828	0.812	0.065	-		kN \			
			2125	0	I	1 64	1 927	1.000		0.00	10964.6	0.00	/e/Vr 6	0.00	9.081
			2125	0	1				0.065			kN \		2 01	9.00
						-0.12	1.020	0.812	0.003	_	10964.1		ve/vr 6		
			2126	a	I	-0.19	1.828	1.000		0.00	0.00	0.00		1.00	9.081
									0.065		577.99		/e/Vr 6	3.00	2.00
										_	10966.5		/e/Vr 6		
			2129	0	Ι	-0.19	1.828	1.000		0.00		0.00			9.081
									0.065		577.99	kN \	Ve/Vr 6	0.00	
											10966.5	kN V	Ve/Vr 0	00.6	
			2130	0	I	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		√e/Vr 0		
										Vrd2,c	10964.1	kN \	/e/Vr 0	0.00	
	1.003	2	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	_	544.23		/e/Vr 0		
											9869.94		/e/Vr 6	0.00	
			2122	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		/e/Vr 6		
			24.25		_	1 61	1 027	1 000		_	10964.8		/e/Vr 6	3.00	0.001
			2125	0	Ι		1.827		0.065	0.00	0.00	0.00		2 01	9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	10964.4		Ve/Vr 6		
			2126	0	I	-0 10	1 020	1.000		0.00	0.00	0.00		0.00	9.081
			2120						0.065					3 00	7.00
						0.13	1.020	0.012	0.003		10966.6				
			2129	0	1	-0.19	1.828	1.000		0.00		0.00			9.081
									0.065			kN \		0.00	
										_	10966.6				
			2130	0	I	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	/e/Vr 6	0.01	
										Vrd2,c	10964.4	kN \	√e/Vr 0	0.00	
1093	0.000	2	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN \	/e/Vr 0	0.00	
											9869.94			0.00	
			2122	0	I			1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_		kN \			
			2455				4 0	4 0			10964.8			0.00	
			2125	0	Ι			1.000	0.005	0.00	0.00	0.00		2 01	9.081
						-0.12	1.828	0.812	0.065			kN \			
			2126	0	I	-0 10	1 220	1.000		0.00	10964.4	0.00		טט. ט	9.08 ¹
			2120	9	1				0.065				/e/Vr 0	2 00	5.08*
						-0.13	1.020	0.012	0.003	-	10966.6				
										VIUZ	10,00.0	KIN '	VC/VI		

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-۷	τ-T	G-TT	cotθβ	As/s
Stab	X[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [.]	
						σ-x	td			relative				[CIII2/III]
						[MPa]	[m]		[0/0]		Jenuse.	aB. a=B		
1093	0.000	2	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10966.6	kN	Ve/Vr 0.00	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065				Ve/Vr 0.01	
											10964.4		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	_			Ve/Vr 0.00	
			2122	0	I	1 1 5	1 020	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	0	1				0.065				 Ve/Vr 0.00	
						-0.25	1.020	0.012	0.005	-	10965.0		ve/vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.01	
						0.12	1.020	0.012	0.003		10964.7		Ve/Vr 0.01 Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		578.01	. kN	Ve/Vr 0.00	
											10966.5		Ve/Vr 0.00	
			2129	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	578.01		Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0.01	
										-	10964.7		Ve/Vr 0.00	
1094	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr 0.00	
			2122	0	I	1 1 5	1 020	1.000		0.00	9869.94 0.00	0.00	Ve/Vr 0.00	9.081
			2122	0	_				0.065		605.56		Ve/Vr 0.00	
						-0.25	1.020	0.812	0.003		10965.0		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0	I	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.01	
													Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	578.01	. kN	Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2129	0	1					0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.00	
			04.7.5			4 4	4 655	4 6 5 5			10966.5		Ve/Vr 0.00	
			2130	0	I			1.000	0.005	0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
	1 002	/h	2121	_		0.24	1 645	1.000			10964.7		Ve/Vr 0.00	
	1.003	2	2121	0		_			0.065	0.00 Vrd1,c	0.00	0.00	 Ve/Vr 0.00	9.081
						-0.02	1.028	0.012	6.005	-	9869.94		ve/vr 0.00 Ve/Vr 0.00	
			2122	a	I	1.15	1.828	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
						,,_,					10965.2		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065		571.80		Ve/Vr 0.01	
											10965.0		Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10966.6	kN '	Ve/Vr 0.00	

Bruchbemessung Stäbe

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθβ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [.]	
						σ-x	td			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		Jenuse.	ч <u>Б. ч.т-</u> Б		
1094	1.003	2	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10966.6	kN	Ve/Vr 0.00	
			2130	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
											10965.0		Ve/Vr 0.00	
1095	0.000	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 15	1 020	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	ש	1				0.065		0.00		 Ve/Vr 0.00	
						-0.23	1.020	0.012	0.005	_	10965.2		ve/vr 0.00 Ve/Vr 0.00	
			2125	а	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065		571.80		Ve/Vr 0.01	
						0.12	1.020	0.012	0.005	_	10965.0		Ve/Vr 0.01 Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.99		Ve/Vr 0.00	
											10966.6	kN	Ve/Vr 0.00	
			2129	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99		Ve/Vr 0.00	
										Vrd2,c	10966.6	kN	Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
										-	10965.0		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.00	
			2122	0	I	1 15	1 020	1.000		0.00	9869.94	0.00	Ve/Vr 0.00	9.081
			2122	9	_				0.065		605.56		Ve/Vr 0.00	
						-0.23	1.020	0.812	0.003	_	10965.4		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0	I	1.64	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.01	
													Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN	Ve/Vr 0.00	
										Vrd2,c	10966.5	kN	Ve/Vr 0.00	
			2129	0	1					0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										_	10966.5		Ve/Vr 0.00	
			2130	0	I			1.000	0.065	0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
1000	0.000	/ 2	2121	_		0.24	1 645	1 000			10965.3		Ve/Vr 0.00	
1096	0.000	2	2121	0				1.000	0.065	0.00 Vrd1,c	0.00 544 23	0.00	Ve/Vr 0.00	9.081
						-0.02	1.020	0.012	0.003	-	9869.94		ve/vr 0.00 Ve/Vr 0.00	
			2122	a	I	1.15	1.828	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										_	10965.4		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		571.80	kN	Ve/Vr 0.01	
										Vrd2,c	10965.3		Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10966.5	kN	Ve/Vr 0.00	

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθβ	As/s
Stab	^ []	QIVI	L	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	td			relative				[[[]
						[MPa]	[m]		[0/0]			66		
1096	0.000	2	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
											10965.3		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 15	1 020	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	9	1				0.065				 Ve/Vr 0.00	
						-0.23	1.020	0.012	0.005	_	10965.6		ve/vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	1 64	1 828	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.01	
						0.12	1.020	0.012	0.003	_	10965.6		Ve/Vr 0.01 Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.99		Ve/Vr 0.00	
											10966.5	kN '	Ve/Vr 0.00	
			2129	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN '	Ve/Vr 0.00	
										Vrd2,c	10966.5	kN '	Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
										-	10965.6		Ve/Vr 0.00	
1097	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.00	
			2122	0	I	1 15	1 020	1.000		0.00	9869.94 0.00	0.00	Ve/Vr 0.00	9.081
			2122	·	_				0.065		605.56		Ve/Vr 0.00	
						0.23	1.020	0.012	0.003	_	10965.6		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0	I	1.64	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.01	
													Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.99	kN	Ve/Vr 0.00	
											10966.5	kN '	Ve/Vr 0.00	
			2129	0	I					0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.00	
											10966.5		Ve/Vr 0.00	
			2130	0	I			1.000	0.065	0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
	1.003	2	2121	0		0.24	1 6/15	1.000		0.00	10965.6 0.00		Ve/Vr 0.00	9.081
	1.005		2121						0.065				Ve/Vr 0.00	
						0.02	1.020	0.012	0.003	-	9869.94		Ve/Vr 0.00 Ve/Vr 0.00	
			2122	9	Ι	1.15	1.828	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										_	10965.9		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.01	
										Vrd2,c	10965.9	kN	Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10966.5	kN	Ve/Vr 0.00	

Bruchbemessung Stäbe

Stab	liche Sc x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]		[MPa]	[MPa]			
						σ- x	d			relative					
						[MPa]	[m]	[m]	[0/0]						
1097	1.003	2	2129	0			1.645			0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN '	Ve/Vr	0.00	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065			kN '			
											10965.9	_	Ve/Vr	0.00	
1098	0.000	2	2121	0			1.645			0.00		0.00			9.081
						-0.02	1.828	0.812	0.065		544.23		Ve/Vr		
			2122		_	1 1 5	1 020	1 000		-	9869.94		Ve/Vr	0.00	0.001
			2122	0	I		1.828		0.065	0.00		0.00		0 00	9.081
						-0.25	1.020	0.812	0.005	-	10965.9	kN '	ve/vr Ve/Vr		
			2125	a	I	1 64	1.828	1 000		0.00	0.00	0.00		0.00	9.081
			2123		i				0.065			kN '		a a1	7.00
						0.12	1.020	0.012	0.005	_	10965.9		Ve/Vr		
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065		577.98		Ve/Vr	0.00	
										-	10966.5		Ve/Vr		
			2129	0		0.34	1.645	1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN '	Ve/Vr	0.00	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
			2130	0	I	1.15	1.828	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56		Ve/Vr		
										-	10965.9	kN '	Ve/Vr	0.00	
	1.003	2	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065		544.23		Ve/Vr		
			24.22			1 15	1 020	1 000			9869.94		Ve/Vr	0.00	0.001
			2122	0	I		1.828		0.065	0.00	0.00	0.00	Ve/Vr	0 00	9.081
						-0.25	1.020	0.812	0.005	_	605.56 10966.1		ve/vr Ve/Vr		
			2125	a	I	1 64	1.828	1 000		0.00	0.00	0.00		0.00	9.081
			2123						0 065	Vrd1,c			Ve/Vr	a a1	7.00
						0.12	1.020	0.012	0.005		10966.2				
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065					0.00	
											10966.4				
			2129	0		0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN '	Ve/Vr	0.00	
										Vrd2,c	9869.94	kN '	Ve/Vr	0.00	
			2130	0	Ì		1.828			0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c		kN '			
											10966.1			0.00	
		-						1 000		0.00	0.00	0.00			9.081
1099	0.000	2	2121	0		0.34									
1099	0.000	2	2121	0					0.065	Vrd1,c	544.23	kN '			
1099	0.000	2				-0.02	1.828	0.812	0.065	Vrd1,c Vrd2,c	544.23 9869.94	kN '	Ve/Vr		2.55
1099	0.000	2	2121		I	-0.02 1.15	1.828 1.828	0.812 1.000		Vrd1,c Vrd2,c 0.00	544.23 9869.94 0.00	kN '	Ve/Vr	0.00	9.08¹
1099	0.000	2				-0.02 1.15	1.828 1.828	0.812 1.000	0.0650.065	Vrd1,c Vrd2,c 0.00 Vrd1,c	544.23 9869.94 0.00 605.56	kN '	Ve/Vr Ve/Vr	0.00	9.081
1099	0.000	2	2122	0	I	-0.02 1.15 -0.25	1.828 1.828 1.828	0.812 1.000 0.812		Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c	544.23 9869.94 0.00 605.56 10966.1	0.00 kN 1 kN 1	Ve/Vr Ve/Vr Ve/Vr	0.00	
1099	0.000	2		0		-0.02 1.15 -0.25	1.828 1.828 1.828	0.812 1.000 0.812 1.000	0.065	Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c	544.23 9869.94 0.00 605.56 10966.1 0.00	kN 9.00 kN 9 kN 9.00	Ve/Vr Ve/Vr Ve/Vr	0.00	
1099	0.000	2	2122	0	I	-0.02 1.15 -0.25	1.828 1.828 1.828	0.812 1.000 0.812 1.000		Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c 0.00 Vrd1,c	544.23 9869.94 0.00 605.56 10966.1 0.00 571.80	0.00 kN 'N kN 'N 0.00	Ve/Vr Ve/Vr Ve/Vr Ve/Vr	0.00 0.00 0.00 0.01	
1099	0.000	2	2122	0	I	-0.02 1.15 -0.25 1.64 -0.12	1.828 1.828 1.828 1.828	0.812 1.000 0.812 1.000 0.812	0.065	Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c	544.23 9869.94 0.00 605.56 10966.1 0.00 571.80 10966.2	kN	Ve/Vr Ve/Vr Ve/Vr Ve/Vr	0.00 0.00 0.00 0.01	9.081
1099	0.000	2	2122	0	I	-0.02 1.15 -0.25 1.64 -0.12	1.828 1.828 1.828 1.828 1.828	0.812 1.000 0.812 1.000 0.812	0.065	Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c 0.00	544.23 9869.94 0.00 605.56 10966.1 0.00 571.80 10966.2 0.00	kN 0.00 kN 0.00 kN 0.00 kN 0.00 kN 0.00	Ve/Vr Ve/Vr Ve/Vr Ve/Vr	0.00 0.00 0.00 0.01 0.01	9.08 ¹ 9.08 ¹

Erforder	liche So	hubbe	ewehrui	ng									4		
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]	[MPa]			[cm2/m]
						σ-х	d	beff	ρ,1	relative	Schubtr	agfähigl	keiten		
						[MPa]	[m]		[0/0]						
1099	0.000	2	2129	0			1.645			0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c		kN ۱			
											9869.94			.00	
			2130	0	Ι			1.000	0.065	0.00	0.00	0.00		00	9.081
						-0.25	1.828	0.812	0.065	1		kN \			
	1.003	2	2121	0		0.24	1 6/15	1.000		0.00	10966.1	0.00	/e/Vr 0	.00	9.08¹
	1.003		2121					0.812	0 065				/e/Vr 0	99	9.00
						0.02	1.020	0.012	0.003		9869.94		Ve/Vr 0		
			2122	0	Ι	1.15	1.828	1.000		0.00		0.00			9.081
								0.812	0.065		605.56		/e/Vr 0	.00	
											10966.3		/e/Vr 0		
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	/e/Vr 0	.01	
										Vrd2,c	10966.5	kN ۱	/e/Vr 0	.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065		577.98		/e/Vr 0		
											10966.4		/e/Vr 0	.00	
			2129	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-	544.23		/e/Vr 0		
									-		9869.94		/e/Vr 0	.00	
			2130	0	Ι			1.000	0 055	0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		/e/Vr 0		
1100	0 000	2	2121	0		0.24	1 645	1.000		-	10966.3 0.00	0.00	/e/Vr 0	.00	9.081
1100	0.000		2121	0				0.812	0 065	0.00 Vrd1,c	544.23		/e/Vr 0	00	9.08-
						-0.02	1.020	0.812	0.003	_	9869.94		ve/vr 0		
			2122	a	Ι	1.15	1.828	1.000		0.00	0.00	0.00			9.08¹
					_			0.812	0.065		605.56		/e/Vr 0	.00	3.00
										_	10966.3		/e/Vr 0		
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN ۱	Ve/Vr 0	.01	
										Vrd2,c	10966.5	kN ۱	/e/Vr 0	.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr 0	.00	
										Vrd2,c	10966.4	kN ۱	/e/Vr 0	.00	
			2129	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	_		kN \			
								4			9869.94		/e/Vr 0	.00	
			2130	0	I			1.000	0.005	0.00	0.00			00	9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr 0		
	1 002	/h	2121	0		0.24	1 645	1.000			10966.3		/e/Vr 0	.00	0.001
	1.003	2	2121	0				0.812	0 065	0.00 Vrd1,c	0.00 544.23	0.00	Ve/Vr 0	99	9.081
						-0.02	1.028	0.012	0.003	i e	9869.94				
			2122	a	Ι	1.15	1.828	1.000		0.00	0.00	0.00		.00	9.081
					_			0.812	0.065		605.56		/e/Vr 0	.00	
						3.25					10966.5		/e/Vr 0		
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00			9.081
								0.812	0.065		571.80		/e/Vr 0	.01	
											10966.4		/e/Vr 0	.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr 0	.00	
										Vrd2,c	10966.3	kN \	/e/Vr 0	.00	

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ. TT	cotθβ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	t III J			relative				[CIII2/III]
						[MPa]	[m]		[0/0]		Senasei	ug.u6		
1100	1.003	2	2129	0	Ι		1.828		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	1
										Vrd2,c	10966.4	kN	Ve/Vr 0.00	a
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
											10966.3	_	Ve/Vr 0.00	
1101	0.000	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 1 5	1 020	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	ש	1				0.065		0.00		 Ve/Vr 0.00	
						-0.25	1.020	0.012	0.005	-	10966.5		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	а	Ι	1 64	1 828	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065		571.80		Ve/Vr 0.0	
						0.12	1.020	0.012	0.003	_	10966.4		Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98		Ve/Vr 0.00	
											10966.3	kN	Ve/Vr 0.00	9
			2129	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
										Vrd2,c	10966.4	kN '	Ve/Vr 0.00	9
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
										-	10966.3		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.00	
			2122	a	I	1 15	1 020	1.000		0.00	9869.94 0.00	0.00	Ve/Vr 0.00	9.081
			2122	U	_				0.065		605.56		Ve/Vr 0.00	
						0.23	1.020	0.012	0.003	_	10966.5		Ve/Vr 0.00	
			2125	0	I	1.64	1.828	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.0	
													Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	9
											10966.3	kN	Ve/Vr 0.00	
			2129	0	I					0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	
					_	2.40	4 000	4 000		_	10966.1		Ve/Vr 0.00	
			2130	O	I			1.000 0.812	0.005	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.00	
1102	0.000	2	2121	0		0.24	1 6/15	1.000		0.00	10966.3 0.00	0.00	Ve/Vr 0.00	9.081
1102	0.000		2121						0.065				Ve/Vr 0.00	
						0.02	1.020	0.012	0.003	-	9869.94		Ve/Vr 0.00	
			2122	0	Ι	1.15	1.828	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										_	10966.5		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
											10966.1	kN	Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10966.3	kN	Ve/Vr 0.00	9

Erforder	liche So	hubbe	ewehrui	ng									4	
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-] [°]	
						σ-х	d			relative	Schubtr	agfähigl	ceiten	
						[MPa]	[m]		[0/0]					
1102	0.000	2	2129	0	Ι		1.828			0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.0	
			2420		_	0.10	1 020	1 000					/e/Vr 0.0	
			2130	0	Ι			1.000	0.065	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98 10966.3		/e/Vr 0.0 /e/Vr 0.0	
	1.003	2	2121	0		0.34	1 645	1.000		0.00		0.00		9.081
	1.003								0.065				/e/Vr 0.0	_
										-	9869.94		/e/Vr 0.0	
			2122	0	Ι	1.15	1.828	1.000		0.00		0.00		9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.0	90
										Vrd2,c	10966.3	kN \	/e/Vr 0.0	90
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	/e/Vr 0.0)1
										Vrd2,c	10965.8	kN \	/e/Vr 0.0	90
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-	577.98		/e/Vr 0.0	
			0100				1 000	1 000			10966.3		/e/Vr 0.0	
			2129	0	Ι			1.000	0.005	0.00		0.00	1- // 0 6	9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr 0.0	
			2130	0	I	0.10	1 020	1.000	-	0.00	0.00	0.00	/e/Vr 0.0	9.081
			2130	0	_				0.065		577.98		/e/Vr 0.0	
						-0.13	1.020	0.812	0.003	_	10966.3		/e/Vr 0.0	
1103	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00		9.081
1103	0.000	_							0.065		544.23		/e/Vr 0.0	_
										-	9869.94		/e/Vr 0.0	
			2122	0	Ι	1.15	1.828	1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.0	90
										Vrd2,c	10966.3	kN \	/e/Vr 0.0	90
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.0	
													/e/Vr 0.0	
			2126	0	Ι			1.000		0.00	0.00			9.081
						-0.15	1.828	0.812	0.065				/e/Vr 0.0	
			2420		-	1.01	1 020	1 000					/e/Vr 0.0	
			2129	ש	Ι				0.065	0.00	0.00	0.00	/e/Vr 0.0	9.081
						-0.12	1.828	0.812	6.005	_	10965.8		/e/vr 0.0 /e/Vr 0.0	
			2130	a	I	-0 19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98		/e/Vr 0.0	
											10966.3		/e/Vr 0.0	
	1.003	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00		9.081
									0.065				/e/Vr 0.0	
													/e/Vr 0.0	
			2122	0	Ί			1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065		605.56		/e/Vr 0.0	90
											10966.1		/e/Vr 0.0	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0.0	
			24.25			0.1-	4 605	4 605			10965.5		/e/Vr 0.0	
			2126	0	Ι			1.000	0.005	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065		577.98		/e/Vr 0.6	
										vrd2,c	10966.2	KN \	/e/Vr 0.0	שנ

Bruchbemessung Stäbe

Stab	liche So x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]		l .		1 1	[MPa]		[-]		
						σ-x				relative					
						[MPa]	[m]	[m]	[0/0]						
1103	1.003	2	2129	0	I	1.64	1.828	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr (0.01	
											10965.5		Ve/Vr (0.00	
			2130	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN '			
4404			0101					1 000			10966.2	_	Ve/Vr (0.00	0.001
1104	0.000	2	2121	0				1.000	0.005	0.00		0.00		2 00	9.081
						-0.02	1.020	0.812	0.065	-	544.23 9869.94		Ve/Vr (Ve/Vr (
			2122	a	I	1 15	1 828	1.000		0.00	0.00			0.00	9.081
			2122						0.065			kN '		2.00	7.00
						0.25		0.012		-	10966.1		Ve/Vr (
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00			9.081
									0.065			kN '	Ve/Vr (0.01	
											10965.5	kN '	Ve/Vr (00.6	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr (0.00	
											10966.2		Ve/Vr (0.00	
			2129	0	I			1.000		0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr (
			24.20			2.40	4 000	1 000	-		10965.5		Ve/Vr (ð.00	0.001
			2130	0	I			1.000		0.00	0.00	0.00	Ve/Vr (2 00	9.081
						-0.15	1.828	0.812	0.065	_	577.98 10966.2		ve/vr (Ve/Vr (
	1.003	2	2121	0		0 34	1 645	1.000		0.00	0.00	0.00		1.00	9.081
	1.003		2121						0.065		544.23		Ve/Vr (2.00	7.00
						0.02		0.022		_	9869.94		Ve/Vr (
			2122	0	Ι	1.15	1.828	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN '	Ve/Vr (0.00	
										Vrd2,c	10965.9	kN '	Ve/Vr (0.00	
			2125	0	Ι	1.64	1.828	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr (
											10965.2			0.00	
			2126	0	I			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065						
			2120	_	7	1.64	1 020	1 000			10966.2			0.00	0.001
			2129	U	I	1.64			0.065	0.00		0.00 kN		2 61	9.081
						-0.12	1.028	0.812	6.005	-	10965.2				
			2130	a	I	-0.19	1,828	1.000		0.00	0.00	0.00		2.00	9.081
			2130						0.065			kN '		0.00	2.00
						,,				_	10966.2				
1105	0.000	2	2121	0		0.34	1.645	1.000		0.00		0.00		Ī	9.081
						-0.02	1.828	0.812	0.065			kN '		0.00	
											9869.94	kN '	Ve/Vr (0.00	
			2122	0	I	1.15	1.828	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_		kN '			
											10965.9		Ve/Vr (0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065			kN '			
			2426	_		0.40	1 000	1 000			10965.2			0.00	0.001
			2126	0	Ι			1.000		0.00	0.00			3 00	9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr (
										vi uz, c	10966.2	KIN	ve/vr (0.00	

Bruchbemessung Stäbe

Stab	liche Sc x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
		•				[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-]		
						σ-х	d	beff	ρ,1	relative	Schubtr				
						[MPa]	[m]	[m]	[0/0]						
1105	0.000	2	2129	0	I		1.828			0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-	571.80				
											10965.2		/e/Vr (0.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
	1.003	2	2121	0		0.24	1.645	1 000		0.00	10966.2	0.00	/e/Vr (0.00	9.081
	1.003		2121						0.065		544.23		/e/Vr (9 99	9.00
						0.02	1.020	0.012	0.005	_	9869.94		/e/Vr (
			2122	0	I	1.15	1.828	1.000		0.00	0.00				9.081
									0.065			kN \		0.00	
										-	10965.7		/e/Vr (
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	/e/Vr (0.01	
											10964.9	kN ۱	/e/Vr	0.00	
			2126	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		/e/Vr (
			24.20			1.61	4 007	4 000			10966.2		/e/Vr (0.00	0.001
			2129	0	Ι		1.827		0.005	0.00		0.00		0 01	9.081
						-0.12	1.828	0.812	0.065		571.80 10964.9		Ve/Vr (Ve/Vr (
			2130	a	I	-0 19	1.828	1 000	-	0.00	0.00	0.00		0.00	9.081
			2130		i				0.065		577.98		/e/Vr (9.00	7.00
						0.15	1.020	0.012	0.005	_	10966.2		/e/Vr (
1106	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00			9.081
									0.065		544.23	kN \	/e/Vr (0.00	
										Vrd2,c	9869.94	kN ۱	/e/Vr (0.00	
			2122	0	I	1.15	1.828	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		/e/Vr (
										-	10965.7		/e/Vr (0.00	
			2125	0	Ι		1.827			0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr (
			2126		I	0.10	1 020	1 000			10964.9			0.00	0.001
			2126	0	1			1.000	0.065	0.00 Vrd1,c	0.00 577.98	0.00		9 99	9.081
						-0.13	1.020	0.812	0.003		10966.2				
			2129	0	1	1.64	1,827	1.000		0.00		0.00		0.00	9.081
									0.065			kN \		0.01	
											10964.9				
			2130	0	I	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr (0.00	
						_				Vrd2,c	10966.2	kN ۱	/e/Vr	0.00	
	1.003	2	2121	0			1.645			0.00		0.00			9.081
						-0.02	1.828	0.812	0.065			kN ۱			
			2422			4.45	4 000	4 000			9869.94			0.00	0.001
			2122	0	I		1.828			0.00	0.00	0.00		9 99	9.081
						-0.25	1.828	0.812	0.065	_	10965.5	kN \			
							1 827	1.000		0.00		0.00		0.00	0.001
			2125	ρ	T	1 6/			1	0.00	0.00				Q UXI
			2125	0	Ι									0.01	9.081
			2125	0	I				0.065	Vrd1,c	571.80	kN \	/e/Vr (9.081
			2125		I	-0.12		0.812	0.065	Vrd1,c	571.80 10964.6	kN \	/e/Vr (9.081
						-0.12	1.828 1.828	0.812	0.065	Vrd1,c Vrd2,c 0.00	571.80 10964.6 0.00	kN \ kN \	/e/Vr (0.00	

Bruchbemessung Stäbe

Stab	liche Sc x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	ß	As/s
		£		-	-	[kN/m]	[m]			1 1	[MPa]		[-]		
						σ-x	d d			relative					[
						[MPa]	[m]		[0/0]						
1106	1.003	2	2129	0	Ι		1.827			0.00	0.00	0.00			9.08 ¹
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr (0.01	
										Vrd2,c	10964.6	kN \	Ve/Vr (0.00	
			2130	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
		_									10966.1	_	Ve/Vr (0.00	
1107	0.000	2	2121	0				1.000	0.065	0.00		0.00		2 00	9.081
						-0.02	1.828	0.812	0.065	-	544.23		Ve/Vr (
			2122	a	I	1 15	1 020	1.000		0.00	9869.94		Ve/Vr (0.00	9.081
			2122	9	1				0.065			kN \		2 00	9.00-
						-0.23	1.020	0.812	0.003	-	10965.5		ve/vr (
			2125	a	I	1.64	1.827	1.000		0.00	0.00	0.00		1	9.081
					-				0.065			kN \		2.01	3.00
						****		01022		_	10964.6		Ve/Vr (
			2126	0	I	-0.19	1.828	1.000	_	0.00	0.00	0.00			9.081
									0.065	Vrd1,c	577.98	kN \	Ve/Vr	0.00	
										Vrd2,c	10966.1	kN \	Ve/Vr (0.00	
			2129	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr (0.01	
										Vrd2,c	10964.6	kN \	Ve/Vr (0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr (
										-	10966.1		Ve/Vr (0.00	
	1.003	2	2121	0				1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr		
			2122	0	I	1 15	1 020	1.000		0.00	9869.94	0.00	Ve/Vr (0.00	9.081
			2122	9	1				0.065		605.56		Ve/Vr (2 00	9.00-
						-0.23	1.020	0.812	0.003	_	10965.3		ve/vr (
			2125	9	I	1.64	1.827	1.000		0.00	0.00	0.00			9.081
									0.065	Vrd1,c			Ve/Vr (0.01	7.00
											10964.3				
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c		kN \	Ve/Vr	0.00	
										Vrd2,c	10966.1	kN V	Ve/Vr (00.6	
			2129	0	1	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	-		kN \			
					L					-	10964.3			0.00	
			2130	0	I			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
											10966.1			0.00	
1108	0.000	2	2121	0				1.000	0.065	0.00	0.00	0.00		2 22	9.081
1100						-0.02	1.828	0.812	0.065			kN \			
1100											9869.94	KN \	ve/vr (л ии	
1100			2122	0	т	1 1 Γ	1 020	1 000		0 00	0 00	0 00		1.00	0 001
1100			2122	0	Ι			1.000		0.00 Vrd1 c	0.00	0.00			9.081
1100			2122	0	Ι				0.065	Vrd1,c	605.56	kN \	Ve/Vr (0.00	9.081
						-0.25	1.828	0.812	0.065	Vrd1,c Vrd2,c	605.56 10965.3	kN \	Ve/Vr (0.00	
			2122		I	-0.25 1.64	1.828 1.827	0.812 1.000	0.065	Vrd1,c Vrd2,c 0.00	605.56 10965.3 0.00	kN \ kN \	Ve/Vr (0.00 0.00	9.08 ¹
						-0.25 1.64	1.828 1.827	0.812 1.000	0.065	Vrd1,c Vrd2,c 0.00 Vrd1,c	605.56 10965.3 0.00 571.80	kN N kN N 0.00 kN N	Ve/Vr (Ve/Vr (Ve/Vr (0.00 0.00 0.01	
				0		-0.25 1.64 -0.12	1.828 1.827 1.828	0.812 1.000	0.0650.065	Vrd1,c Vrd2,c 0.00 Vrd1,c	605.56 10965.3 0.00 571.80 10964.3	kN N kN N 0.00 kN N	Ve/Vr (Ve/Vr (Ve/Vr (Ve/Vr (0.00 0.00 0.01	
			2125	0	I	-0.25 1.64 -0.12 -0.19	1.828 1.827 1.828	0.812 1.000 0.812 1.000	0.0650.065	Vrd1,c Vrd2,c 0.00 Vrd1,c Vrd2,c 0.00	605.56 10965.3 0.00 571.80 10964.3 0.00	kN	Ve/Vr (Ve/Vr (Ve/Vr (Ve/Vr (0.00 0.00 0.01 0.00	9.081

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-TT	cotθ β	As/s
Stab	X[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [-]	
						σ-x	t III J			relative				[Cili2/ili]
						[MPa]	[m]		[0/0]					
1108	0.000	2	2129	0	Ι		1.827		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.01	
										Vrd2,c	10964.3	kN '	Ve/Vr 0.00	
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
											10966.1		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 15	1 020	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	0	1				0.065		0.00		Ve/Vr 0.00	9.08-
						-0.23	1.020	0.612	0.005	_	10965.1		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.01	J.00
						0.12	1.020	0.012	0.003	_	10964.0		Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98	kN '	Ve/Vr 0.00	
											10966.1	. kN	Ve/Vr 0.00	
			2129	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		Ve/Vr 0.01	
										Vrd2,c	10964.0	kN	Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
										-	10966.1		Ve/Vr 0.00	
1109	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23 9869.94		Ve/Vr 0.00 Ve/Vr 0.00	
			2122	a	Ι	1 15	1 828	1.000		0.00	0.00	0.00		9.081
			2122		_				0.065		605.56		Ve/Vr 0.00	7.00
						0.25	1.020	0.012	0.005	_	10965.1		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c	571.80	kN	Ve/Vr 0.01	
													Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN '	Ve/Vr 0.00	
											10966.1		Ve/Vr 0.00	
			2129	0	1					0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.01	
			24.20		7	0.10	1 020	1 000		_	10964.0		Ve/Vr 0.00	0.001
			2130	U	Ι			1.000	0.065	0.00	0.00	0.00	Ve/Vr 0.00	9.081
						-0.15	1.028	0.812	6.005	_			ve/vr 0.00 Ve/Vr 0.00	
	1.003	2	2121	0		0 3/	1 6/15	1.000		0.00	0.00	0.00		9.081
	1.003		2121						0.065				Ve/Vr 0.00	3.00-
						0.02		0.012	0.005	-	9869.94		Ve/Vr 0.00 Ve/Vr 0.00	
			2122	0	I	1.15	1.827	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										_	10964.8		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0.01	
											10963.7		Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10966.0	kN	Ve/Vr 0.00	

Bruchbemessung Stäbe

[kN/m]	Stab	liche So x[m]	QNr	LF		7	Т	-	bs	k	τ-V	τ-T	G-TT	cot A P	As/s
1110 1.003 2 2129 0 1 1.64 1.927 1.000 0.00	Stab	x[m]	ŲΝΙ.	LF	3	_			1	ı	1 1	1			
															[CIIIZ/III]
1.093												Senaser	ug.u6		
1110	1109	1.003	2	2129	0	Ι				[-, -]	0.00	0.00	0.00		9.081
1110										0.065					L
1110 0.000 2 2121 0 0.34 1.645 1.000 0.0												10963.7	kN	Ve/Vr 0.00	9
1110 0.000 2 2121 0				2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
1110							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	9
											Vrd2,c		_		9
2122 0 1 1.15 1.827 1.000 0.00	1110	0.000	2	2121	0										
2122 0 1 1.15 1.827 1.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0							-0.02	1.828	0.812	0.065	_				
				2422			4 4 5	4 00-	4 000						
2125 0 1 1,64 1,827 1,000				2122	9	T				0.065					
2125							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065				2125	0	т	1 64	1 027	1 000			_			
2126 0 1 -0.19 1.828 1.000 0.00				2125	٥	1				0 065					l
2126							-0.12	1.020	0.812	0.003	_				
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10963.7 KN Ve/Vr 0.01 Vrd2, c 10963.7 KN Ve/Vr 0.00 Vrd2, c 10963.7 KN Ve/Vr 0.00 Vrd2, c 10965.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 10964.0 KN Ve/Vr 0.00 Vrd2, c 10964.0 KN Ve/Vr 0.00 Vrd2, c 10964.0 KN Ve/Vr 0.00 Vrd2, c 10964.0 KN Ve/Vr 0.00 Vrd2, c 10964.0 KN Ve/Vr 0.00 Vrd2, c 10964.0 KN Ve/Vr 0.00 Vrd2, c 10966.0 KN Ve/Vr 0.00 Vrd2, c 109				2126	a	т	-0 19	1 828	1 000						
				2120		_				0.065					l .
2129											-				
-0.12				2129	0	Ι	1.64	1.827	1.000						
1.003 2 2121 0							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.01	Ĺ
1.003 2 2121 0 0.34 1.645 1.000 0.0											Vrd2,c	10963.7	kN	Ve/Vr 0.00	9
1.003 2 2121 0 0.34 1.645 1.000 0.0				2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
1.003 2 2121 0 0.34 1.645 1.000 0.0							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	9
-0.02 1.828 0.812 0.065 Vrd1,											Vrd2,c	10966.0	kN	Ve/Vr 0.00	3
		1.003	2	2121	0										
2122							-0.02	1.828	0.812	0.065	-				
-0.25				2422		_	4.45	4 007	1 000						
				2122	9	T				0.065					l
2125							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 Vrd1,				2125	a	т	1 64	1 927	1 000						
				2123	U	_				0 065					
2126 0 I -0.19 1.828 1.000 0.0							0.12	1.020	0.012	0.003					
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 kN Ve/Vr 0.00 Vrd2, c 10966.0 kN Ve/Vr 0.00 Vrd2, c 10966.0 kN Ve/Vr 0.00 Vrd2, c 10966.0 kN Ve/Vr 0.00 Vrd2, c 10966.0 kN Ve/Vr 0.00 Vrd2, c 10963.4 kN Ve/Vr 0.00 Vrd2, c 10963.4 kN Ve/Vr 0.00 Vrd2, c 10963.4 kN Ve/Vr 0.00 Vrd2, c 10966.0 kN Ve/Vr 0.00				2126	0	I	-0.19	1.828	1.000						
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10963.4 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10966.0 kN Ve/Vr 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 -0.05 0.00															
Vrd2,c 10963.4 kN Ve/Vr 0.00 P.081 P.0.19 P.0.15				2129	0	1	1.64	1.827	1.000		0.00	0.00	0.00		9.081
2130 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 10966.0 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.05 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.01	Ĺ
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10966.0 kN Ve/Vr 0.00 Vrd2,c 10966.0 kN Ve/Vr 0.00 O.00											Vrd2,c	10963.4	kN	Ve/Vr 0.00	
1111 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10964.6 kN Ve/Vr 0.00 Vrd2,c 10964.6 kN Ve/Vr 0.00 Vrd2,c 10964.6 kN Ve/Vr 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2130	0	Ι									1
1111 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.08¹ -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.08¹ -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10964.6 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.08¹ -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10963.4 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.08¹ -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.15	1.828	0.812	0.065	_				
-0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10963.4 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00															
Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 0.01 Vrd2,c 10963.4 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0	1111	0.000	2	2121	0										
2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.02	1.828	0.812	0.065	-				
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10964.6 kN Ve/Vr 0.00 P.081 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 P.081 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2122	0	_	1 1 5	1 027	1 000						
2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00 0.00				2122	b	T				0.065					l.
2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10963.4 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.25	1.028	0.012	6.003	_				
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10963.4 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2125	а	т	1 64	1 827	1 000						
Vrd2,c 10963.4 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000				212)	U	_				0.065					
2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.08 ¹ -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							0.12		0.012						
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2126	0	I	-0.19	1.828	1.000						
										0.065					
											-				

Bruchbemessung Stäbe

Stab	x[m]	QNr	LF	S	Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	β	As/s
						[kN/m]	[m]			1 1	[MPa]	[MPa]			
						σ-x	d			relative					
						[MPa]	[m]	[m]	[0/0]						
1111	0.000	2	2129	0	I	1.64	1.827	1.000		0.00	0.00	0.00			9.08¹
						-0.12	1.828	0.812	0.065	-	571.80		Ve/Vr	0.01	
											10963.4		Ve/Vr	0.00	
			2130	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_		kN \			
-	1 002	2	2121	0		0.24	1 645	1.000		0.00	10966.0	0.00	Ve/Vr	0.00	9.081
	1.003	2	2121	9					0.065		544.23		Ve/Vr	0 00	9.08-
						-0.02	1.020	0.812	0.003	-	9869.94		ve/Vr		
			2122	0	I	1.15	1.827	1.000		0.00		0.00		0.00	9.081
									0.065			kN \		0.00	
										-	10964.4		ve/Vr		
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	Ve/Vr	0.01	
										Vrd2,c	10963.1	kN ۱	Ve/Vr	0.00	
			2126	0	I			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr		
											10966.0		Ve/Vr	0.00	
			2129	0	Ι			1.000	2 255	0.00		0.00		2 21	9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr		
			2130	a	I	-0.10	1 020	1.000	-	0.00	10963.1 0.00	0.00	Ve/Vr	0.00	9.081
			2130					_	0.065		577.98		Ve/Vr	9 99	9.00
						0.13	1.020	0.012	0.003	_	10966.0		ve/Vr		
1112	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00			9.081
									0.065		544.23	kN \	Ve/Vr	0.00	
										Vrd2,c	9869.94	kN \	Ve/Vr	0.00	
			2122	0	I	1.15	1.827	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_	605.56		Ve/Vr		
										_	10964.4		Ve/Vr	0.00	
			2125	0	Ι		1.827			0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr		
			2126		I	0.10	1 020	1 000			10963.1			0.00	0.001
			2126	0	1			1.000	0.065	0.00 Vrd1,c	0.00 577.98			0 00	9.081
						-0.13	1.020	0.812	0.003		10966.0				
			2129	0	1	1.64	1,827	1.000		0.00		0.00		0.00	9.081
									0.065			kN \		0.01	
											10963.1	kN \	Ve/Vr	0.00	
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	Ve/Vr	0.00	
										Vrd2,c	10966.0	kN \	/e/Vr	0.00	
	1.003	2	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065			kN \			
			2422			4.45	4 007	1 000			9869.94			0.00	0.001
			2122	0	I			1.000		0.00	0.00	0.00		0.00	9.081
						-0.25	1.828	0.812	0.065	_	10964.2	kN \			
			2125	a	I	1 64	1 827	1.000		0.00		0.00		0.00	9.081
			رعدے						0.065			kN \		0.01	- 80.0
						V.12		0.012			10962.8				
			2126	0	Ι	-0.19	1.828	1.000		0.00		0.00			9.081
									0.065				Ve/Vr	0.00	
											10965.9	kN \	Ve/Vr	0.00	

Erforder					7	-	_	L.					40±0 - 0	A = 1 -
Stab	x[m]	QNr	LF	S	Z		Ζ [m]	1	ı		τ-T [MPa]		cotθ β	As/s
						[kN/m] σ-x	[m] d			relative			[-][°]	[cm2/m]
						[MPa]	[m]		[0/0]	I CTALIVE	Schuber	agianing	KETTEII	
1112	1.003	2	2129	0	I		1.827		[0,0]	0.00	0.00	0.00		9.081
		_							0.065				Ve/Vr 0.01	
										-	10962.8		Ve/Vr 0.00	
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	
										Vrd2,c	10965.9	_	Ve/Vr 0.00	
1113	0.000	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	_			Ve/Vr 0.00	
			2422		_	1 15	1 007	1 000			9869.94		Ve/Vr 0.00	
			2122	0	Ι			1.000	0.065	0.00	0.00		Ve/Vr 0.00	9.081
						-0.25	1.020	0.812	0.005	-	10964.2		ve/vr 0.00 Ve/Vr 0.00	
			2125	a	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.01	
						0.12	1.020	0.012	0.003		10962.8		Ve/Vr 0.01 Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98	kN '	Ve/Vr 0.00	
										1	10965.9	kN '	Ve/Vr 0.00	
			2129	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		Ve/Vr 0.01	
											10962.8		Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065		577.98		Ve/Vr 0.00	
	4 000							1 222		-	10965.9		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00	0.00	0.00	Ve/Vr 0.00	9.081
						-0.02	1.828	0.812	0.065	-	544.23 9869.94		ve/vr 0.00 Ve/Vr 0.00	
			2122	a	Ι	1 15	1 827	1.000		0.00	0.00	0.00		9.081
			2122		_				0.065		605.56		Ve/Vr 0.00	
						3123		01022			10964.0		Ve/Vr 0.00	
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.01	
										Vrd2,c	10962.5	kN '	Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065				Ve/Vr 0.00	
											10965.9		Ve/Vr 0.00	
			2129	0	1					0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065				Ve/Vr 0.01	
			2120	0	Ì	0.10	1 020	1.000			10962.5		Ve/Vr 0.00	9.081
			2130		_			0.812	0 065	0.00 Vrd1,c	0.00	0.00	Ve/Vr 0.00	9.00-
						0.15	1.020	0.012	0.003	_	10965.9		Ve/Vr 0.00 Ve/Vr 0.00	
1114	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	
										-	9869.94		Ve/Vr 0.00	
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN	Ve/Vr 0.00	
											10964.0	kN	Ve/Vr 0.00	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0.01	
			2425	_		0.15	1 000	1 000			10962.5		Ve/Vr 0.00	0.001
			2126	0	Ι			1.000	0.005	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										vru2,c	10965.9	KIN	Ve/Vr 0.00	

Erforder Stab	x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθ β	As/s
Stab	v[]	QIVI	L	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	t III J			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		Senaser	ug.u6		
1114	0.000	2	2129	0	Ι		1.827		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	1
										Vrd2,c	10962.5	kN	Ve/Vr 0.0	0
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
											10965.9	_	Ve/Vr 0.0	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.0	
			2122	0	I	1 15	1 027	1.000		0.00	9869.94		Ve/Vr 0.0	9.081
			2122	ש	1				0.065				Ve/Vr 0.0	
						-0.23	1.020	0.012	0.005	_	10963.8		Ve/Vr 0.0 Ve/Vr 0.0	
			2125	а	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065		571.80		Ve/Vr 0.0	
						0.12	1.020	0.012	0.005	_	10962.2		Ve/Vr 0.0	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98		Ve/Vr 0.0	
											10965.9	kN	Ve/Vr 0.0	0
			2129	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
										Vrd2,c	10962.2	kN	Ve/Vr 0.0	0
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
										-	10965.9		Ve/Vr 0.0	
1115	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.0	
			2122	a	I	1 15	1 927	1.000		0.00	9869.94	0.00	Ve/Vr 0.0	9.081
			2122	U	_				0.065		605.56		Ve/Vr 0.0	
						0.23	1.020	0.012	0.003	_	10963.8		Ve/Vr 0.0 Ve/Vr 0.0	
			2125	0	I	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.0	1
													Ve/Vr 0.0	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	0
											10965.9	kN	Ve/Vr 0.0	
			2129	0	I					0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	
			24.20		7	0.40	1 000	1 000		_	10962.2		Ve/Vr 0.0	
			2130	0	Ι			1.000	0.065	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	10965.9		Ve/Vr 0.0	
	1.003	2	2121	0		0 24	1 6/15	1.000		0.00	0.00	0.00	Ve/Vr 0.0	9.081
	1.003		2121	U					0.065				Ve/Vr 0.0	
						0.02		0.012		-	9869.94		Ve/Vr 0.0 Ve/Vr 0.0	
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	
										_	10963.6		Ve/Vr 0.0	
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0.0	1
											10961.9		Ve/Vr 0.0	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.0	
										Vrd2,c	10965.8	kN	Ve/Vr 0.0	0

Bruchbemessung Stäbe

	Stab	liche So x[m]	QNr	LF		7	Т	-	bs	k	τ-V	τ-T	G-TT	coto	B	As/s
	Stab	x[m]	ŲΝΙ.	LF	3	_			1	ı	1 1	1				
																[Cili2/ili]
1115												Jenuse.	ug.u6			
1116	1115	1.003	2	2129	0	Ι				[-, -]	0.00	0.00	0.00			9.081
1116 0.000 2 2121 0 0.34 1.645 1.000 0.0										0.065					.01	
1116												10961.9	kN	Ve/Vr 0	.00	
				2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
1116							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0	.00	
-0.02 1.828 0.812 0.065											Vrd2,c		_		.00	
2122 0 1 1.15 1.827 1.888 8.812 0.865 Wrd1, c 685.56 KN Ve/Vr 0.88 0.884 Vrd2, c 686.56 KN Ve/Vr 0.88 0.884 Vrd2, c 685.56 KN Ve/Vr 0.88 0.884 Vrd2, c 685.56 KN Ve/Vr 0.88 0.884 Vrd2, c 685.56 KN Ve/Vr 0.88 Vrd2, c	1116	0.000	2	2121	0											9.081
2122 0 1 1.15 1.827 1.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00							-0.02	1.828	0.812	0.065	-					
				2422		_	4.45	4 007	1 000						0.00	0.001
				2122	9	T				0.065						9.081
2125							-0.25	1.828	0.812	0.065	_					
-0.12 1.828 0.812 0.065				2125	0	т	1 61	1 027	1 000		-				.00	0 001
2126 0 1 -0.19 1.828 1.000 0.0				2125	٥	1				0 065					01	9.08-
2126							-0.12	1.020	0.812	0.003	_					
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10951.9 KN Ve/Vr 0.01 Vrd2, c 10951.9 KN Ve/Vr 0.01 Vrd2, c 10951.9 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10956.3 KN Ve/Vr 0.00 Vrd2, c 10955.8 KN Ve/Vr 0.00 Vrd2, c 109				2126	a	т	-0 19	1 828	1 000						1.00	9 081
				2120		_				0.065					.00	3.00
2129											_					
-0.12 1.828 0.812 0.065 Vrd1,c 571.88 kN Ve/Vr 0.01 Vrd2,c 10961.9 kN Ve/Vr 0.00 0.0				2129	0	Ι	1.64	1.827	1.000							9.081
1.003 2 2121 0							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0	.01	
1.003 2 2121 0 0.34 1.645 1.000 0.0											Vrd2,c	10961.9	kN	Ve/Vr 0	.00	
1.003 2 2121 0 0.34 1.645 1.000 0.0				2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
1.003 2 2121 0 0.34 1.645 1.000 0.0							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0	.00	
-0.02 1.828 0.812 0.065 Vrd1,											Vrd2,c	10965.8	kN	Ve/Vr 0	.00	
		1.003	2	2121	0											9.081
2122							-0.02	1.828	0.812	0.065	_					
-0.25				2422		_	4.45	4 007	1 000						0.00	0.001
				2122	9	T				0.065					200	9.081
2125							-0.25	1.828	0.812	0.065	_					
-0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.01 Vrd2, c 10961.6 kN Ve/Vr 0.00 0				2125	a	т	1 64	1 927	1 000						1.00	0 001
				2123	U	_				0 065					01	7.00
2126 0 1 -0.19 1.828 1.000 0.0							0.12	1.020	0.012	0.003						
-0.15 1.828 0.812 0.065 Vrd1,				2126	0	I	-0.19	1.828	1.000							9.081
															.00	
-0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.01 Vrd2, c 10961.6 kN Ve/Vr 0.00 9.081 0.00 0.00 0.00 0.00 9.081 0.015 1.828 0.812 0.065 Vrd1, c 577.98 kN Ve/Vr 0.00 Vrd2, c 10965.8 kN Ve/Vr 0.00 0.00 0.00 9.081 0.00 0.00 0.00 9.081 0.005 Vrd1, c 544.23 kN Ve/Vr 0.00 Vrd2, c 9869.94 kN Ve/Vr 0.00 Vrd2, c 9869.94 kN Ve/Vr 0.00 0.00 9.081 0.05 Vrd1, c 544.23 kN Ve/Vr 0.00 Vrd2, c 9869.94 kN Ve/Vr 0.00 0.00 9.081 0.05 Vrd1, c 605.56 kN Ve/Vr 0.00 0.00 0.00 9.081 0.05 Vrd2, c 10963.4 kN Ve/Vr 0.00 Vrd2, c 10963.4 kN Ve/Vr 0.00 Vrd2, c 10963.4 kN Ve/Vr 0.00 0.00 0.00 9.081 0.015 Vrd2, c 10961.6 kN Ve/Vr 0.00 Vrd2, c 10961.6 kN Ve/Vr 0.00 Vrd2, c 10961.6 kN Ve/Vr 0.00 Vrd2, c 10961.6 kN Ve/Vr 0.00 Vrd2, c 10961.6 kN Ve/Vr 0.00 0.00 0.00 9.081 0.015 Vrd2, c 10961.6 kN Ve/Vr 0.00 0.00 0.00 9.081 0.015 Vrd2, c 10961.6 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 0.015 Vrd2, c 10961.6 kN Ve/Vr 0.00																
1117 0.000 2 2121 0 0.34 1.645 1.000 0.0				2129	0	1	1.64	1.827	1.000		0.00	0.00	0.00			9.081
2130 0 1 -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0	.01	
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 1117 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00												10961.6	kN	Ve/Vr 0	.00	
1117 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10961.6 kN Ve/Vr 0.00 Vrd2,c 10961.6 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2130	0	Ι										9.081
1117 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10961.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.15	1.828	0.812	0.065	_					
-0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							_								.00	
Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10961.6 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00	1117	0.000	2	2121	0											9.081
2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd2,c 10963.4 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.12 1.828 0.812 0.065 Vrd2,c 10961.6 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.02	1.828	0.812	0.065	-					
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10963.4 kN Ve/Vr 0.00				2122	0	_	1 15	1 027	1 000						.00	0.001
Vrd2,c 10963.4 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10961.6 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.0				2122	b	T				0.065					1 66	9.08*
2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10961.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.25	1.028	0.812	6.005	_					
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10961.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2125	а	т	1 64	1 827	1 000							9 001
Vrd2,c 10961.6 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000				212)	U	_				0.065					.01	7.00
2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.08 ¹ -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							V.12		0.012							
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2126	0	Ι	-0.19	1.828	1.000							9.081
										0.065					.00	
											-					

Erforder	liche So	hubbe	wehru	ng									4	
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-] [°]	
						σ-х	d			relative	Schubtr	agfähigl	ceiten	
						[MPa]	[m]		[0/0]					
1117	0.000	2	2129	0	Ι		1.827			0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.0	
			2420		_	0.10	1 020	1 000					/e/Vr 0.0	
			2130	0	Ι			1.000	0.065	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	1	577.98 10965.8		/e/Vr 0.0 /e/Vr 0.0	
	1.003	2	2121	0		0 34	1 645	1.000		0.00		0.00		9.081
	1.003	_							0.065				/e/Vr 0.0	_
										_	9869.94		/e/Vr 0.0	
			2122	0	Ι	1.15	1.827	1.000		0.00		0.00		9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.0	90
										Vrd2,c	10963.2	kN \	/e/Vr 0.0	90
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0.0	
										Vrd2,c	10961.3	kN ۱	/e/Vr 0.0	90
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		/e/Vr 0.0	
			0.1.00		_		4 00=	1 000			10965.8		/e/Vr 0.0	
			2129	9	Ι			1.000	0.055	0.00		0.00		9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr 0.0	
			2130	0	I	0.10	1 020	1.000	-	0.00	0.00	0.00	/e/Vr 0.0	9.081
			2130	9	1				0.065		577.98		/e/Vr 0.0	
						-0.13	1.020	0.812	0.003	_	10965.8		/e/Vr 0.0	
1118	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00		9.081
1110	0.000	_							0.065		544.23		/e/Vr 0.0	_
										_	9869.94		/e/Vr 0.0	
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.0	90
										Vrd2,c	10963.2	kN \	/e/Vr 0.0	90
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.0	
													/e/Vr 0.0	
			2126	0	Ι			1.000		0.00		0.00		9.081
						-0.15	1.828	0.812	0.065				/e/Vr 0.0	
			2420		-	1.61	1 027	1 000					/e/Vr 0.0	
			2129	U	Ι				0 065	0.00	0.00	0.00	/e/Vr 0.0	9.081
						-0.12	1.028	0.812	0.065				/e/vr 0.0 /e/Vr 0.0	
			2130	a	I	-0 10	1 828	1.000		0.00	0.00			9.081
			-170		_				0.065		577.98		/e/Vr 0.0	
						3.13					10965.8		/e/Vr 0.0	
	1.003	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00		9.081
									0.065				/e/Vr 0.0	_
										i e			/e/Vr 0.0	
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00		9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.0	90
										Vrd2,c	10963.0		/e/Vr 0.0	_
			2125	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065		571.80		/e/Vr 0.0	
						_					10961.0		/e/Vr 0.0	
			2126	0	Ι			1.000	0.0==	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065		577.98		/e/Vr 0.0	
										Vrd2,c	10965.7	kN \	/e/Vr 0.0	90

	Stab	liche So x[m]	QNr	LF		7	Т	7	bs	k	τ-V	τ-T	σ. TT	cot A	As/s
1118 1.003 2 2129 0 1 1.64 1.27 1.000 0.00	Stab	x[m]	QIVI.	LF	3	_			1	ı	1 1	1			
															[C 2 /]
1118 1.003 2 2129 0 1 1.64 1.227 1.000 0.00													-66		
119 0.000 2 2121 0 0.1 1.623 1.000 0.00	1118	1.003	2	2129	0	Ι				[-, -]	0.00	0.00	0.00		9.081
1119 0.000 2 2121 0 0.34 1.645 1.000 0.0										0.065					1
1119 0.000 2 2121 0 0.34 1.645 1.000 0.0												10961.0	kN	Ve/Vr 0.0	10
1119				2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
1119							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	0
-0.02 1.828 0.812 0.065											Vrd2,c	10965.7	kN	Ve/Vr 0.0	0
	1119	0.000	2	2121	0										9.081
2122 0 1 1.15 1.828 1.809 0.06 0.06 0.06							-0.02	1.828	0.812	0.065	-				
-0.25							4 4 =	4 00-	1 000						
				2122	0	Ι				0.065					
2125 0 1 1.64 1.827 1.000 0.00 0.00 0.00 9.081							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 Vrd1, c 571.80 kN Ve/Vr 0.01 Vrd2, c 10961.0 kN Ve/Vr 0.00 9.081 0.00				2125	0	_	1 64	1 027	1 000		-	_			
2126 0 1 -0.19 1.828 1.000 0.00 0.00 0.00 0.00 9.081				2125	9	1				0 065					
2126							-0.12	1.020	0.812	0.003	_				
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10951.0 kN Ve/Vr 0.00 Vrd2, c 10951.0 kN Ve/Vr 0.00 Vrd2, c 10951.0 kN Ve/Vr 0.00 Vrd2, c 10951.0 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10955.7 kN Ve/Vr 0.00 Vrd2, c 10956.7 kN Ve/Vr 0.00 Vrd2, c 10956.8 kN Ve/Vr 0.00 Vrd2, c 10956.8 kN Ve/Vr 0.00 Vrd2, c 10956.8 kN Ve/Vr 0.00 Vrd2, c 10956.8 kN Ve/Vr 0.00 Vrd2, c 10956.7 kN Ve/Vr 0.00				2126	a	т	-0 19	1 828	1 000						
				2120		_				0.065					_
							3123		01022		_				
				2129	0	Ι	1.64	1.827	1.000						9.081
2130							-0.12	1.828	0.812	0.065			kN	Ve/Vr 0.0	1
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 KN Ve/Vr 0.00 Vrd2,c 10965.7 KN Ve/Vr 0.00 Vrd2,c 10965.7 KN Ve/Vr 0.00 Vrd2,c 10965.7 KN Ve/Vr 0.00 Vrd2,c 10965.7 KN Ve/Vr 0.00 Vrd2,c 9869.94 KN Ve/Vr 0.00 Vrd2,c 9869.94 KN Ve/Vr 0.00 Vrd2,c 9869.94 KN Ve/Vr 0.00 Vrd2,c 0.00 Vrd2,												10961.0	kN	Ve/Vr 0.0	10
1.003 2 2121 0 0.34 1.645 1.000 0.0				2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
1.003 2 2121 0 0.34 1.645 1.000 0.0							-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	10
-0.02 1.828 0.812 0.065 Vrd1,											Vrd2,c	10965.7	kN	Ve/Vr 0.0	0
2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 0.00 9.081		1.003	2	2121	0										9.081
2122							-0.02	1.828	0.812	0.065	_				
-0.25				2422		_	4.45	4 007	1 000						
				2122	9	T				0.065					
2125							-0.25	1.828	0.812	0.065	_				
-0.12 1.828 0.812 0.065 Vrd1,				2125	a	т	1 64	1 927	1 000						
				2123		_				0 065					
2126 0 1 -0.19 1.828 1.000 0.0							0.12	1.020	0.012	0.003					
-0.15 1.828 0.812 0.065 Vrd1, c 577.98 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10960.7 kN Ve/Vr 0.00 Vrd2, c 10960.7 kN Ve/Vr 0.00 Vrd2, c 10960.7 kN Ve/Vr 0.00 Vrd2, c 10960.7 kN Ve/Vr 0.00 Vrd2, c 10960.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.7 kN Ve/Vr 0.00 Vrd2, c 10965.8 kN Ve/Vr 0.00 Vrd2, c 10966.8 kN Ve/Vr 0.00 Vrd2, c 10966.8 kN Ve/Vr 0.00 Vrd2, c 10966.8 kN Ve/Vr 0.00 Vrd2, c 10966.7 kN Ve/Vr 0.00 Vrd2, c 10960.7 kN Ve/Vr 0.00				2126	0	I	-0.19	1.828	1.000						
Vrd2,c 10965.7 kN Ve/Vr 0.00 9.081 1.64 1.827 1.000 0.00 0.00 0.00 9.081 9.081 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 1.828 0.812 0.065 Vrd2,c 10960.7 kN Ve/Vr 0.00 9.081 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 Vrd2,c 10965.7 kN Ve/Vr 0.00 Vrd2,c 10965.7 kN Ve/Vr 0.00 0.00 0.00 9.081 0.002 0.00															
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 9.081 0.00 0.00 0.00 0.00 9.081 0.000 0.00															
Vrd2,c 10960.7 kN Ve/Vr 0.00 9.081 -0.15 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.00 1.828 0.812 0.065 Vrd1,c 1.000 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 9.081 -0.15 1.828 1.000 0.00 0.00 0.00 9.081 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -				2129	0	1	1.64	1.827	1.000		0.00	0.00	0.00		9.081
2130 0 1 -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 -0.02 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 1120 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00											_	10960.7	kN	Ve/Vr 0.0	
1120 0.000 2 2121 0 0.34 1.645 1.000 0.0				2130	0	Ι									1
1120 0.000 2 2121 0 0.34 1.645 1.000 0.00 0.00 0.00 0.00 9.081 -0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 Vrd2,c 9869.94 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10962.8 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.15	1.828	0.812	0.065	_				
-0.02 1.828 0.812 0.065 Vrd1,c 544.23 kN Ve/Vr 0.00 2122 0 I 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00															
Vrd2,c 9869.94 kN Ve/Vr 0.00 9.081 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.	1120	0.000	2	2121	0										
2122 0 T 1.15 1.827 1.000 0.00 0.00 0.00 9.081 -0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 -0.25 1.828 0.812 0.065 Vrd2,c 10962.8 kN Ve/Vr 0.00 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 -0.12 1.828 0.812 0.065 Vrd2,c 10960.7 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.02	1.828	0.812	0.065	-				
-0.25 1.828 0.812 0.065 Vrd1,c 605.56 kN Ve/Vr 0.00 Vrd2,c 10962.8 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2122	0	_	1 1 5	1 027	1 000						
Vrd2,c 10962.8 kN Ve/Vr 0.00 2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00 0.00				2122	U	T				0.065					
2125 0 I 1.64 1.827 1.000 0.00 0.00 0.00 9.081 -0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							-0.25	1.028	0.012	6.003	_				
-0.12 1.828 0.812 0.065 Vrd1,c 571.80 kN Ve/Vr 0.01 Vrd2,c 10960.7 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.081 -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2125	а	Т	1 64	1.827	1 000						
Vrd2,c 10960.7 kN Ve/Vr 0.00 2126 0 I -0.19 1.828 1.000				212)		_				0.065					
2126 0 I -0.19 1.828 1.000 0.00 0.00 0.00 9.08 ¹ -0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00							0.12		0.012						
-0.15 1.828 0.812 0.065 Vrd1,c 577.98 kN Ve/Vr 0.00				2126	0	Ι	-0.19	1.828	1.000						9.081
										0.065					-
											-				

Bruchbemessung Stäbe

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθβ	As/s
Stab	x[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	t III J			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]			-66		
1120	0.000	2	2129	0	Ι		1.827		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	1
										Vrd2,c	10960.7	kN	Ve/Vr 0.0	9
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
											10965.7		Ve/Vr 0.0	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.0	
			2122	0	I	1 15	1 027	1.000		0.00	9869.94		Ve/Vr 0.0	9.081
			2122	ש	1				0.065				 Ve/Vr 0.0	1
						-0.23	1.020	0.612	0.005	_	10962.5		Ve/Vr 0.00	
			2125	а	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065		571.80		Ve/Vr 0.0	1
						0.12	1.020	0.012	0.005	_	10960.4		Ve/Vr 0.0	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98		Ve/Vr 0.0	
											10965.7	kN	Ve/Vr 0.0	0
			2129	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	1
										Vrd2,c	10960.4	kN '	Ve/Vr 0.0	0
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.0	
										-	10965.7		Ve/Vr 0.0	
1121	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.0	
			2122	0	I	1 15	1 927	1.000		0.00	9869.94	0.00	Ve/Vr 0.0	9.08 ¹
			2122	9	_				0.065		605.56		Ve/Vr 0.0	1
						-0.23	1.020	0.812	0.003	_	10962.5		Ve/Vr 0.0	
			2125	0	I	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.0	1
													Ve/Vr 0.0	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.0	9
										Vrd2,c	10965.7	kN	Ve/Vr 0.0	0
			2129	0	1					0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	
										_	10960.4		Ve/Vr 0.0	
			2130	0	I			1.000	0.065	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.0	
	1 002	2	2121	0		0.24	1 645	1.000			10965.7		Ve/Vr 0.0	9.081
	1.003	Z	2121	V					0.065	0.00 Vrd1,c	0.00 544 23	0.00	 Ve/Vr 0.0	1
						-0.02	1.020	0.012	0.003	-	9869.94		Ve/Vr 0.0	
			2122	0	I	1.15	1.827	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	1
										_	10962.3		Ve/Vr 0.0	
			2125	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
									0.065		571.80	kN '	Ve/Vr 0.0	
										Vrd2,c	10960.1	kN	Ve/Vr 0.0	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.0	
										Vrd2,c	10965.6	kN	Ve/Vr 0.0	0

Erforder					7	-	_	L.		/			co+0 - 0	A = 1 -
Stab	x[m]	QNr	LF	5	Z		Ζ [m]	1	ı		τ-T [MPa]		cotθ β	As/s
						[kN/m] σ-x	[m] d			relative			[-][°]	[cm2/m]
						[MPa]	[m]		[0/0]	CIUCIVC	Jenaber	ug i uii±6	KCICCII	
1121	1.003	2	2129	0	I		1.827		[0,0]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.01	
										-	10960.1		Ve/Vr 0.00	
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	
										Vrd2,c	10965.6	_	Ve/Vr 0.00	
1122	0.000	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	_			Ve/Vr 0.00	
			24.22		_	1 15	1 007	1 000			9869.94		Ve/Vr 0.00	0.001
			2122	b	Ι			1.000	0.065	0.00	0.00		Ve/Vr 0.00	9.081
						-0.25	1.020	0.812	0.005	-	10962.3		ve/vr 0.00 Ve/Vr 0.00	
			2125	а	Ι	1 64	1 827	1.000		0.00	0.00	0.00		9.081
			2123		_				0.065				Ve/Vr 0.01	7.00
						0.12	1.020	0.012	0.003		10960.1		Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98	kN '	Ve/Vr 0.00	
										Vrd2,c	10965.6	kN	Ve/Vr 0.00	
			2129	0	Ι	1.64	1.827	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		Ve/Vr 0.01	
											10960.1		Ve/Vr 0.00	
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065		577.98		Ve/Vr 0.00	
	4 000	2	24.24			0.24	4 645	1 000		-	10965.6		Ve/Vr 0.00	0.001
	1.003	2	2121	0				1.000	0.065	0.00 Vrd1,c	0.00 544.23	0.00	Ve/Vr 0.00	9.081
						-0.02	1.020	0.012	0.005	-	9869.94		Ve/Vr 0.00 Ve/Vr 0.00	
			2122	а	I	1.15	1.827	1.000		0.00	0.00	0.00		9.081
					_				0.065		605.56		Ve/Vr 0.00	7.00
											10962.1		Ve/Vr 0.00	
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN '	Ve/Vr 0.01	
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065				Ve/Vr 0.00	
											10965.6		Ve/Vr 0.00	
			2129	0		1.85				0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	9748.09		Ve/Vr 0.01	
			2130	a	I	-0.10	1 020	1.000		0.00	0.00	0.00	Ve/Vr 0.00	9.081
			2130		İ				0.065				Ve/Vr 0.00	9.00
						0.13	1.020	0.012			10965.6		Ve/Vr 0.00	
1123	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00			9.081
						_			0.065				Ve/Vr 0.00	
											9869.94	· kN	Ve/Vr 0.00	
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00	1 1	9.081
						-0.25	1.828	0.812	0.065				Ve/Vr 0.00	
											10962.1		Ve/Vr 0.00	
			2125	0				1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_	571.80		Ve/Vr 0.01	
			2126	0	_	0.10	1 020	1 000			9748.09		Ve/Vr 0.00	0.001
			2126	U	Ι			1.000	0.065	0.00 Vrd1,c	0.00 577.98	0.00	Ve/Vr 0.00	9.081
						-0.15	1.028	0.012	6.005	-	10965.6		ve/vr 0.00 Ve/Vr 0.00	
										VI UZ , C	10000.0	ININ	VC/VI 0.00	

Erforder	liche So	hubbe	wehrur	ng									4	
Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	σ-II	cotθ β	As/s
						[kN/m]	[m]	[m]	[-]	[MPa]	[MPa]		[-][°]	
						σ-х	d			relative	Schubtr	agfähigl	keiten	
						[MPa]	[m]		[0/0]					
1123	0.000	2	2129	0			1.625			0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			/e/Vr 0.0	
			24.20		_	0.10	1 020	1 000					/e/Vr 0.0	
			2130	0	Ι			1.000	0.065	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	10965.6		/e/Vr 0.00 /e/Vr 0.00	
	1.003	2	2121	0		0 34	1 645	1.000		0.00		0.00		9.08 ¹
	1.003	_							0.065				/e/Vr 0.00	
										-	9869.94		/e/Vr 0.00	
			2122	0	Ι	1.15	1.827	1.000		0.00		0.00		9.08¹
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN \	/e/Vr 0.00	9
										Vrd2,c	10961.9	kN ۱	/e/Vr 0.00	9
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN ۱	/e/Vr 0.0	1
										Vrd2,c	9748.09	kN ۱	/e/Vr 0.0	9
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-	577.98		/e/Vr 0.0	
											10965.5		/e/Vr 0.0	
			2129	0				1.000		0.00		0.00		9.081
						-0.12	1.828	0.812	0.065	-	571.80		/e/Vr 0.0	
			24.20		_	0.10	1 020	1 000	-		9748.09		/e/Vr 0.00	
			2130	0	Ι			1.000	0.005	0.00	0.00	0.00	10/1/10 0 0	9.081
						-0.15	1.828	0.812	0.065	_	577.98		/e/Vr 0.00	
1124	0.000	2	2121	0		0.24	1 6/15	1.000		0.00	10965.5 0.00	0.00	/e/Vr 0.00	9.08 ¹
1124	0.000		2121						0.065		544.23		/e/Vr 0.00	
						0.02	1.020	0.012	0.003	-	9869.94		/e/Vr 0.00	
			2122	0	I	1.15	1.827	1.000		0.00	0.00	0.00		9.081
					_				0.065		605.56		/e/Vr 0.00	
										_	10961.9		/e/Vr 0.0	
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		9.08¹
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN \	/e/Vr 0.0	1
										Vrd2,c	9748.09	kN ۱	/e/Vr 0.00	9
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr 0.0	9
											10965.5	kN ۱	/e/Vr 0.0	
			2129	0				1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			/e/Vr 0.0	
													/e/Vr 0.00	
			2130	0	I			1.000	0.005	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065		577.98		/e/Vr 0.00	
	1 003	A	2121	0		0.24	1 (45	1 000					/e/Vr 0.00	
	1.003	2	2121	0				1.000	0.065	0.00 Vrd1,c	0.00 544.23	0.00	/e/Vr 0.00	9.081
						-0.02	1.028	0.812	כסש.ש				/e/vr 0.00 /e/Vr 0.00	
			2122	a	I	1 15	1 827	1.000		0.00	0.00	0.00		9.08 ¹
			2122		Ė				0.065		605.56		/e/Vr 0.00	
						3.25		,,,,,,	3.303		10961.7		/e/Vr 0.00	
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		9.081
									0.065		571.80		/e/Vr 0.0	
											9748.09		/e/Vr 0.0	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN \	/e/Vr 0.0	9
										Vrd2,c	10965.5	kN \	/e/Vr 0.0	9

Stab	liche So x[m]		LF		Z	Т	z	bs	k	τ-V	τ-T	σ. TT	cotθ	ρ	As/s
Stab	x[m]	- QIVII	LF	3	_	ı [kN/m]	[m]	1	l .	1 1	[MPa]		[-] [
						σ-x	t III J			relative					[Ciii2/iii]
						[MPa]	[m]		[0/0]		. Sellasel	ч <u>Б. ч.т-</u> Б			
1124	1.003	2	2129	0			1.625		[-, -]	0.00	0.00	0.00			9.081
									0.065		571.80			0.01	
										Vrd2,c	9748.09	kN	Ve/Vr 0	00.6	
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0		
											10965.5		Ve/Vr 0	00.0	
1125	0.000	2	2121	0				1.000		0.00		0.00			9.081
						-0.02	1.828	0.812	0.065	-		kN			
			2122	0	I	1 1 5	1 027	1.000		0.00	9869.94		Ve/Vr 0	0.00	9.081
			2122	9	_				0.065			kN		9 00	9.00-
						-0.23	1.020	0.812	0.003	_	10961.7		Ve/Vr 0		
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		7.00	9.081
									0.065		571.80		Ve/Vr 0	0.01	
										_	9748.09		Ve/Vr 0		
			2126	0	Ι	-0.19	1.828	1.000	_	0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0	00.0	
											10965.5	kN	Ve/Vr 0	00.0	
			2129	0				1.000		0.00		0.00			9.081
						-0.12	1.828	0.812	0.065		571.80		Ve/Vr 0		
			0400		_		1 000	1 000	-		9748.09		Ve/Vr 0	0.00	2 221
			2130	0	Ι			1.000		0.00	0.00	0.00		200	9.081
						-0.15	1.828	0.812	0.065	_	577.98 10965.5		Ve/Vr 0		
	1.003	2	2121	0		0.34	1 6/15	1.000		0.00	0.00	0.00	Ve/Vr 0	1.00	9.081
	1.005		2121						0.065		544.23		Ve/Vr 0	1.00	7.00
						0.02	1.020	0.012		_	9869.94		Ve/Vr 0		
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	Vrd1,c	605.56	kN	Ve/Vr 0	00.0	
										Vrd2,c	10961.5	kN	Ve/Vr 0	00.0	
			2125	0			1.625			0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c			Ve/Vr 0		
											9748.09			0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065						
			2129	0		1.85	1 625	1 000		0.00	10965.5 0.00	0.00	Ve/Vr 0	0.00	9.081
			2129	ν,					0.065			kN		9 01	9.00-
						0.12	1.020	0.012	0.003	_	9748.09		Ve/Vr 0		
			2130	0	I	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065			kN		00.0	
										Vrd2,c	10965.5	kN	Ve/Vr 0	00.6	
1126	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23	kN	Ve/Vr 0	00.6	
											9869.94		Ve/Vr 0	00.0	
			2122	0	Ι			1.000	_	0.00	0.00	0.00			9.081
						-0.25	1.828	0.812	0.065	_		kN			
			2105	_		1 05	1 (25	1 000			10961.5		Ve/Vr 0	0.00	0.001
			2125	0				1.000	0.065	0.00 Vrd1,c	0.00 571.80	0.00	Ve/Vr 0	01	9.081
						20.12	1.020	0.012	0.003	_	9748.09		ve/vr 0 Ve/Vr 0		
			2126	a	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
									0.065				Ve/Vr 0	0.00	
										-	10965.5		Ve/Vr 0		
					_										

Erforder Stab	x[m]	QNr	LF		Z	Т	z	bs	k	τ-V	τ-T	G-TT	cotθβ	As/s
Stab	X[III]	QIVI	LF	3	_	[kN/m]	[m]	1	l .	1 1	[MPa]		[-] [°]	
						σ-x	t III J			relative				[CIIIZ/III]
						[MPa]	[m]		[0/0]		Senaser	ug.u6		
1126	0.000	2	2129	0			1.625		[-, -]	0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.0	L
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	3
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
											10965.5		Ve/Vr 0.00	
	1.003	2	2121	0				1.000		0.00		0.00		9.081
						-0.02	1.828	0.812	0.065	-			Ve/Vr 0.00	
			2122	0	I	1 1 5	1 027	1.000		0.00	9869.94		Ve/Vr 0.00	9.081
			2122	ש	1				0.065				 Ve/Vr 0.00	
						-0.25	1.020	0.612	0.005	_	10961.3		Ve/Vr 0.00 Ve/Vr 0.00	
			2125	0		1 85	1 625	1.000		0.00	0.00	0.00		9.081
			2123						0.065		571.80		Ve/Vr 0.03	l
						0.12	1.020	0.012	0.005	_	9748.09		Ve/Vr 0.00	
			2126	0	I	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
									0.065		577.98	kN	Ve/Vr 0.00	l .
											10965.4	kN	Ve/Vr 0.00	9
			2129	0		1.85	1.625	1.000		0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN	Ve/Vr 0.0	Ĺ
										Vrd2,c	9748.09	kN '	Ve/Vr 0.00	9
			2130	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_	577.98		Ve/Vr 0.00	
										-	10965.4		Ve/Vr 0.00	
1127	0.000	2	2121	0				1.000		0.00	0.00	0.00		9.081
						-0.02	1.828	0.812	0.065	_	544.23		Ve/Vr 0.00	
			2122	0	I	1 1 5	1 927	1.000		0.00	9869.94	0.00	Ve/Vr 0.00	9.08 ¹
			2122	9	_				0.065		605.56		Ve/Vr 0.00	l
						-0.25	1.020	0.812	0.003	_	10961.3		Ve/Vr 0.00	
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		9.081
									0.065	Vrd1,c			Ve/Vr 0.0	
													Ve/Vr 0.00	
			2126	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN	Ve/Vr 0.00	9
										Vrd2,c	10965.4	kN '	Ve/Vr 0.00	9
			2129	0		1.85				0.00	0.00	0.00		9.081
						-0.12	1.828	0.812	0.065	_			Ve/Vr 0.0	
			0455				4 655	4 6 5 5		_	9748.09		Ve/Vr 0.00	
			2130	0	I			1.000	0.005	0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	_			Ve/Vr 0.00	
	1 002	2	2121	0		0.24	1 645	1.000					Ve/Vr 0.00	9.081
	1.003	Z	2121	V		_			0.065	0.00 Vrd1,c	0.00 544 23	0.00	 Ve/Vr 0.00	
						0.02	1.020	0.012	0.003	-			Ve/Vr 0.00 Ve/Vr 0.00	
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00		9.081
									0.065				Ve/Vr 0.00	l.
										_	10961.1		Ve/Vr 0.00	
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00		9.081
									0.065		571.80	kN '	Ve/Vr 0.0	
										Vrd2,c	9748.09	kN	Ve/Vr 0.00	
			2126	0	Ι			1.000		0.00	0.00	0.00		9.081
						-0.15	1.828	0.812	0.065	-			Ve/Vr 0.00	
										Vrd2,c	10965.4	kN	Ve/Vr 0.00	9

Bruchbemessung Stäbe

Erforderliche Schubbewehrung

	Tiche So				_		I								
Stab	x[m]	QNr	LF	S	Z	T [kN/m]	[m]		k [-]		τ-T [MPa]	σ-II [MPa]			As/s [cm2/m]
						σ-x	L III J			relative					[Ciii2/iii]
						[MPa]	[m]		[0/0]	I CIACIVE	Schaber	agranisk	CICCI	•	
1127	1.003	2	2129	0				1.000	[0,0]	0.00	0.00	0.00			9.081
1127	1.003	_							0.065	Vrd1,c			/e/Vr	0.01	3.00
										_	9748.09		e/Vr		
			2130	0	Ι	-0.19	1.828	1.000		0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98	kN V	e/Vr	0.00	
										Vrd2,c	10965.4	kN V	e/Vr	0.00	
1128	0.000	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00			9.081
						-0.02	1.828	0.812	0.065	Vrd1,c	544.23				
											9869.94	kNv	e/Vr	0.00	
			2122	0	Ι			1.000		0.00	0.00				9.081
						-0.25	1.828	0.812	0.065	-	605.56				
											10961.1		e/Vr	0.00	
			2125	0				1.000			0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	_		kN V			
											9748.09		e/Vr	0.00	
			2126	0	Ι			1.000	0.055	0.00	0.00			0.00	9.081
						-0.15	1.828	0.812	0.065	_	577.98				
			2120	_		1 05	1 625	1 000			10965.4		e/Vr	0.00	0.001
			2129	0				1.000	0.005		0.00	0.00	10 ///10	0.01	9.081
						-0.12	1.828	0.812	0.065	-	9748.09	kN V	e/vr /e/Vr		
			2130	a	I	-0.10	1 020	1.000	-	0.00	0.00	0.00	e/ vi	0.00	9.081
			2130	Ð	_			_	0.065			kN V	/o/\/n	9 99	9.08
						-0.15	1.020	0.812	0.003	_	10965.4				
	1.003	2	2121	0		0.34	1.645	1.000		0.00	0.00	0.00	C/ VI		9.081
	1.003	_							0.065			kN V	/e/Vr	0.00	3.00
											9869.94		e/Vr		
			2122	0	Ι	1.15	1.827	1.000		0.00	0.00	0.00	-,		9.081
									0.065			kN V	e/Vr	0.00	
										Vrd2,c	10960.9	kN V	e/Vr	0.00	
			2125	0		1.85	1.625	1.000		0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80	kN V	/e/Vr	0.01	
										Vrd2,c	9748.09	kN V	e/Vr	0.00	
			2126	0	Ι		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98		e/Vr	0.00	
										Vrd2,c	10965.4		e/Vr	0.00	
			2129	0			1.625			0.00	0.00	0.00			9.081
						-0.12	1.828	0.812	0.065	Vrd1,c	571.80		e/Vr		
											9748.09	1	e/Vr	0.00	
			2130	0	I		1.828			0.00	0.00	0.00			9.081
						-0.15	1.828	0.812	0.065	Vrd1,c	577.98		e/Vr		
										Vrd2,c	10965.4	kN V	e/Vr	0.00	

Mindestbewehrung wurde maßgebend Bezeichnung des Schubschnitts

Z T Zustand (I = überdrückt, A = ungerissen, B = gerissen, E = reduzierte elastische Spannungen)

Schubfluss quer zum Schnitt

Hebelarm oder +dF/-dF bei Differenz der Längskräfte oder nn%E für abgeminderte elastische Spannungen

bs,beff Breite des Schnitts

Koeffizient für Platten oder Kreisquerschnitte

Hauptdruckspannung $\sigma\text{-II}$

cotθ Neigung der Druckstrebe

Neigung der Bügel

Bügelbewehrung im Teilschnitt (Gesamtwerte müssen für jeden Steg/Gurt addiert werden) As/s

σ-х Mittlere Längsspannung N/A für Stege, bzw. reale Spannung in Gurtmitte

ρ,1 Bewehrungsanteil der Zugbewehrung

Model Bruchbemessung Stäbe

Längsbew	ehrung -	Beme	essungsfall	l 1							
Stab	x[m]	QNr	ρ	Asl	vm	Asl-0	Asl-1	Asl-2	Asl-3	Asl-4	Asl-5
			[0/0]	[cm2]	[m]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]
1001	0.000	1	0.12	23.76			11.88	11.88'			
1001	1.003	1	0.12	23.76			11.88	11.88'			
1002	0.000	1	0.12	23.76			11.88	11.88'			
1002	1.003	1	0.12	23.76			11.88	11.88'			
1003	0.000	1	0.12	23.76			11.88	11.88'			
1003	1.003	1	0.12	23.76			11.88	11.88'			
1004	0.000	1	0.12	23.76			11.88	11.88'			
1004	1.003	1	0.12	23.76			11.88	11.88'			
1005	0.000	1	0.12	23.76			11.88	11.88'			
1005	1.003	1	0.12	23.76			11.88	11.88'			
1006	0.000	1	0.12	23.76			11.88	11.88'			
1006	1.003	1	0.12	23.76			11.88	11.88'			
1007	0.000	1	0.12	23.76			11.88	11.88'			
1007	1.003	1	0.12	23.76			11.88'	11.88'			
1008	0.000	1	0.12	23.76			11.88'	11.88'			
1008	1.003	1	0.12	23.76			11.88'	11.88'			
1009	0.000	1	0.12	23.76			11.88'	11.88			
1009	1.003	1	0.12	23.76			11.88'	11.88' 11.88'			
1010 1010	0.000 1.003	1	0.12 0.12	23.76 23.76			11.88'	11.88			
1010	0.000	1	0.12	23.76			11.88	11.88			
1011	1.003	1	0.12	23.76			11.88'	11.88			
1011	0.000	1	0.12	23.76			11.88'	11.88			
1012	1.003	1	0.12	23.76			11.88'	11.88'			
1012	0.000	1	0.12	23.76			11.88'	11.88'			
1013	1.003	1	0.12	23.76			11.88'	11.88'			
1014	0.000	1	0.12	23.76	4		11.88'	11.88'			
1014	1.003	1	0.12	23.76			11.88'	11.88'			
1015	0.000	1	0.12	23.76			11.88'	11.88'			
1015	1.003	1	0.12	23.76			11.88'	11.88'			
1016	0.000	1	0.12	23.76			11.88'	11.88'			
1016	1.003	1	0.12	23.76			11.88'	11.88'			
1017	0.000	1	0.12	23.76			11.88'	11.88'			
1017	1.003	1	0.12	23.76			11.88'	11.88'			
1018	0.000	1	0.12	23.76			11.88'	11.88'			
1018	1.003	1	0.12	23.76			11.88'	11.88'			
1019	0.000	1	0.12	23.76			11.88'	11.88'			
1019	1.003	1	0.12	23.76			11.88'	11.88'			
1020	0.000	1	0.12	23.76			11.88'	11.88'			
1020	1.003	1	0.12	23.76			11.88'	11.88'			
1021	0.000	1	0.12	23.76			11.88'	11.88'			
1021	1.003	1	0.12	23.76			11.88'	11.88'			
1022	0.000	1	0.12	23.76			11.88'	11.88'			
1022	1.003	1	0.12	23.76			11.88'	11.88'			
1023	0.000	1	0.12	23.76			11.88'	11.88'			
1023	1.003	1	0.12	23.76			11.88'	11.88'			
1024 1024	0.000 1.003	1	0.12 0.12	23.76 23.76			11.88' 11.88'	11.88' 11.88'			
1024	0.000	1	0.12	23.76			11.88	11.88			
1025	1.003	1	0.12	23.76			11.88	11.88			
1025	0.000	1	0.12	23.76			11.88'	11.88			
1026	1.003	1	0.12	23.76			11.88'	11.88			
1020	0.000	1	0.12	23.76			11.88'	11.88			
1027	1.003	1	0.12	23.76			11.88'	11.88'			
1027	0.000	1	0.12	23.76			11.88'	11.88'			
1028	1.003	1	0.12	23.76			11.88'	11.88'			
1028	0.000	1	0.12	23.76			11.88'	11.88'			
1029	5.000		0.12	25.70			11.00	11.00			

Bruchbemessung Stäbe

ngsbew	ehrung -	- Beme	essungsfall	l 1							
Stab	x[m]	QNr	ρ	Asl	vm	Asl-0	Asl-1	Asl-2	Asl-3	Asl-4	Asl-
			[o/o]	[cm2]	[m]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2
1029	1.003	1	0.12	23.76			11.88'	11.88	1		
1030	0.000	1	0.12	23.76			11.88'	11.88'			
1030	1.003	1	0.12	23.76			11.88'	11.88'			
1031	0.000	1	0.12	23.76			11.88'	11.88'			
1031	1.003	1	0.12	23.76			11.88'	11.88'			
1032	0.000	1	0.12	23.76			11.88'	11.88'			
1032	1.003	1	0.12	23.76			11.88'	11.88			
1033	0.000	1	0.12	23.76			11.88'	11.88'			
1033	1.003	1	0.12	23.76			11.88'	11.88'			
1034	0.000	1	0.12	23.76			11.88'	11.88'			
1034	1.003	1	0.12	23.76			11.88'	11.88'			
1035	0.000	1	0.12	23.76			11.88'	11.88'			
1035	1.003	1	0.12	23.76			11.88'	11.88'			
1036	0.000	1	0.12	23.76			11.88'	11.88'			
1036	1.003	1	0.12	23.76			11.88'	11.88'			
1037	0.000	1	0.12	23.76			11.88'	11.88'			
1037	1.003	1	0.12	23.76			11.88'	11.88'			
1038	0.000	1	0.12	23.76			11.88'	11.88'			
1038	1.003	1	0.12	23.76			11.88'	11.88'			
1039	0.000	1	0.12	23.76			11.88'	11.88'			
1039	1.003	1	0.12	23.76			11.88'	11.88'			
1040	0.000	1	0.12	23.76			11.88'	11.88'			
1040	1.003	1	0.12	23.76			11.88'	11.88'			
1041	0.000	1	0.12	23.76			11.88'	11.88'			
1041	1.003	1	0.12	23.76			11.88'	11.88'			
1042	0.000	1	0.12	23.76			11.88'	11.88'			
1042	1.003	1	0.12	23.76	4		11.88'	11.88'			
1043	0.000	1	0.12	23.76			11.88'	11.88'			
1043	1.003	1	0.12	23.76			11.88'	11.88'			
1044	0.000	1	0.12	23.76			11.88'	11.88'			
1044	1.003	1	0.12	23.76			11.88'	11.88'			
1045	0.000	2	0.00	0.00							
1045	0.997	2	0.12	23.76			23.76				
1046	0.000	2	0.12	23.76			23.76				
1046	0.997	2	0.12	23.76			23.76				
1047	0.000	2	0.12	23.76			23.76				
1047	0.997	2	0.12	23.76			23.76				
1048	0.000	2	0.12	23.76			23.76				
1048	0.997	2	0.12	23.76			23.76				
1049	0.000	2	0.12	23.76			23.76				
1049	0.997	2	0.12	23.76			23.76				
1050	0.000	2	0.12	23.76			23.76				
1050	0.997	2	0.12	23.76			23.76				
1051	0.000	2	0.12	23.76			23.76				
1051	0.997	2	0.12	23.76			23.76				
1052	0.000	2	0.12	23.76			23.76				
1052	0.997	2	0.12	23.76			23.76				
1053	0.000	2	0.12	23.76			23.76				
1053	0.997	2	0.12	23.76			23.76				
1054	0.000	2	0.12	23.76			23.76				
1054	0.997	2	0.12	23.76			23.76				
1055	0.000	2	0.12	23.76			23.76				
1055	0.997	2	0.12	23.76			23.76				
1056	0.000	2	0.12	23.76			23.76				
1056	0.997	2	0.12	23.76			23.76				
1057	0.000	2	0.12	23.76			23.76				
1057	0.997	2	0.12	23.76			23.76				

Bruchbemessung Stäbe

ngsbew	ehrung -	- Beme	essungsfal]	l 1						4	
Stab	x[m]	QNr	ρ	Asl	vm	Asl-0	Asl-1	Asl-2	Asl-3	Asl-4	Asl-
			[o/o]	[cm2]	[m]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2
1058	0.000	2	0.12	23.76			23.76				
1058	0.997	2	0.12	23.76			23.76				
1059	0.000	2	0.12	23.76			23.76				
1059	0.997	2	0.12	23.76				23.76			
1060	0.000	2	0.12	23.76				23.76			
1060	0.997	2	0.12	23.76				23.76			
1061	0.000	2	0.12	23.76				23.76			
1061	0.997	2	0.12	23.76				23.76			
1062	0.000	2	0.12	23.76				23.76			
1062	0.997	2	0.12	23.76				23.76			
1063	0.000	2	0.12	23.76				23.76			
1063	1.025	2	0.23	46.12			22.36	23.76			
1064	0.000	2	0.23	46.12			22.36	23.76			
1064	1.025	2	0.23	47.52			23.76	23.76			
1065	0.000	2	0.23	47.52			23.76	23.76			
1065	1.025	2	0.23	46.12			22.36	23.76			
1066	0.000	2	0.23	46.12			22.36	23.76			
1066	1.025	2	0.12	23.76				23.76			
1067	0.000	2	0.12	23.76				23.76			
1067	0.997	2	0.12	23.76				23.76			
1068	0.000	2	0.12	23.76				23.76			
1068	0.997	2	0.12	23.76				23.76			
1069	0.000	2	0.12	23.76				23.76			
1069	0.997	2	0.12	23.76				23.76			
1070	0.000	2	0.12	23.76				23.76			
1070	0.997	2	0.12	23.76			23.76				
1071	0.000	2	0.12	23.76			23.76				
1071	0.997	2	0.12	23.76			23.76				
1072	0.000	2	0.12	23.76			23.76				
1072	0.997	2	0.12	23.76			23.76				
1073	0.000	2	0.12	23.76			23.76				
1073	0.997	2	0.12	23.76			23.76				
1074	0.000	2	0.12	23.76			23.76				
1074	0.997	2	0.12	23.76			23.76				
1075	0.000	2	0.12	23.76			23.76				
1075	0.997	2	0.12	23.76			23.76				
1076	0.000	2	0.12	23.76			23.76				
1076	0.997	2	0.12	23.76			23.76				
1077	0.000	2	0.12	23.76			23.76				
1077	0.997	2	0.12	23.76			23.76				
1078	0.000	2	0.12	23.76			23.76				
1078	0.997	2	0.12	23.76			23.76				
1079	0.000	2	0.12	23.76			23.76				
1079	0.997	2	0.12	23.76			23.76				
1080	0.000	2	0.12	23.76			23.76				
1080	0.997	2	0.12	23.76			23.76				
1081	0.000	2	0.12	23.76			23.76				
1081	0.997	2	0.12	23.76			23.76				
1082	0.000	2	0.12	23.76			23.76				
1082	0.997	2	0.12	23.76			23.76				
1083	0.000	2	0.12	23.76			23.76				
1083	0.997	2	0.12	23.76			23.76				
1084	0.000	2	0.12	23.76			23.76				
1084	0.997	2	0.00	0.00							
1085	0.000	2	0.12	23.76			11.88'	11.88'			
1085	1.003	2	0.12	23.76			11.88'	11.88'			
1086	0.000	2	0.12	23.76			11.88'	11.88'			

Bruchbemessung Stäbe

Längsbewe	ehrung -	Beme	essungsfall	l 1						4	
Stab	x[m]	QNr	ρ	Asl	vm	Asl-0	Asl-1	Asl-2	As1-3	Asl-4	As1-5
			[o/o]	[cm2]	[m]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]
1086	1.003	2	0.12	23.76			11.88'	11.88'			
1087	0.000	2	0.12	23.76			11.88'	11.88'			
1087	1.003	2	0.12	23.76			11.88'	11.88'			
1088	0.000	2	0.12	23.76			11.88'	11.88'			
1088	1.003	2	0.12	23.76			11.88'	11.88'			
1089	0.000	2	0.12	23.76			11.88'	11.88'			
1089	1.003	2	0.12	23.76			11.88'	11.88			
1090	0.000	2	0.12	23.76			11.88'	11.88'			
1090	1.003	2	0.12	23.76			11.88'	11.88'			
1091	0.000	2	0.12	23.76			11.88'	11.88'			
1091	1.003	2	0.12	23.76			11.88'	11.88'			
1092	0.000	2	0.12	23.76			11.88'	11.88'			
1092	1.003	2	0.12	23.76			11.88'	11.88'			
1093	0.000	2	0.12	23.76			11.88'	11.88'			
1093	1.003	2	0.12	23.76			11.88'	11.88'			
1094	0.000	2	0.12	23.76			11.88'	11.88'			
1094	1.003	2	0.12	23.76			11.88'	11.88'			
1095	0.000	2	0.12	23.76			11.88'	11.88'			
1095	1.003	2	0.12	23.76			11.88'	11.88'			
1096	0.000	2	0.12	23.76			11.88'	11.88'			
1096	1.003	2	0.12	23.76			11.88'	11.88'			
1097	0.000	2	0.12	23.76			11.88'	11.88'			
1097	1.003	2	0.12	23.76			11.88'	11.88'			
1098	0.000	2	0.12	23.76			11.88'	11.88'			
1098	1.003	2	0.12	23.76			11.88'	11.88'			
1099	0.000		0.12	23.76			11.88'	11.88'			
1099	1.003 0.000	2	0.12	23.76			11.88' 11.88'	11.88' 11.88'			
1100	1.003		0.12	23.76			11.88				
1100 1101	0.000	2	0.12 0.12	23.76 23.76			11.88'	11.88' 11.88'			
1101	1.003	2	0.12	23.76			11.88'	11.88			
1102	0.000	2	0.12	23.76			11.88'	11.88'			
1102	1.003	2	0.12	23.76			11.88'	11.88'			
1103	0.000	2	0.12	23.76			11.88'	11.88'			
1103	1.003	2	0.12	23.76			11.88'	11.88'			
1104	0.000	2	0.12	23.76			11.88'	11.88'			
1104	1.003	2	0.12	23.76			11.88'	11.88'			
1105	0.000	2	0.12	23.76			11.88'	11.88'			
1105	1.003	2	0.12	23.76			11.88'	11.88'			
1106	0.000	2	0.12	23.76			11.88'	11.88'			
1106	1.003	2	0.12	23.76			11.88'	11.88'			
1107	0.000	2	0.12	23.76			11.88'	11.88'			
1107	1.003	2	0.12	23.76			11.88'	11.88'			
1108	0.000	2	0.12	23.76			11.88'	11.88'			
1108	1.003	2	0.12	23.76			11.88'	11.88'			
1109	0.000	2	0.12	23.76			11.88'	11.88'			
1109	1.003	2	0.12	23.76			11.88'	11.88'			
1110	0.000	2	0.12	23.76			11.88'	11.88'			
1110	1.003	2	0.12	23.76			11.88'	11.88'			
1111	0.000	2	0.12	23.76			11.88'	11.88'			
1111	1.003	2	0.12	23.76			11.88'	11.88'			
1112	0.000	2	0.12	23.76			11.88'	11.88'			
1112	1.003	2	0.12	23.76			11.88'	11.88'			
1113	0.000	2	0.12	23.76			11.88'	11.88'			
1113	1.003	2	0.12	23.76			11.88'	11.88'			
1114	0.000	2	0.12	23.76			11.88'	11.88'			
1114	1.003	2	0.12	23.76			11.88'	11.88'			

Bruchbemessung Stäbe

Längsbewehrung - Bemessungsfall

Langsbew	eili ulig -	Dellie	SSUNGSTALL								
Stab	x[m]	QNr	ρ	As1	vm	Asl-0	Asl-1	As1-2	Asl-3	Asl-4	Asl-5
			[o/o]	[cm2]	[m]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]	[cm2]
1115	0.000	2	0.12	23.76			11.88'	11.88'			
1115	1.003	2	0.12	23.76			11.88'	11.88'			
1116	0.000	2	0.12	23.76			11.88'	11.88'			
1116	1.003	2	0.12	23.76			11.88'	11.88'			
1117	0.000	2	0.12	23.76			11.88'	11.88'			
1117	1.003	2	0.12	23.76			11.88'	11.88'			
1118	0.000	2	0.12	23.76			11.88'	11.88			
1118	1.003	2	0.12	23.76			11.88'	11.88'			
1119	0.000	2	0.12	23.76			11.88'	11.88'			
1119	1.003	2	0.12	23.76			11.88'	11.88'			
1120	0.000	2	0.12	23.76			11.88'	11.88'			
1120	1.003	2	0.12	23.76			11.88'	11.88'			
1121	0.000	2	0.12	23.76			11.88'	11.88'			
1121	1.003	2	0.12	23.76			11.88'	11.88'			
1122	0.000	2	0.12	23.76			11.88'	11.88'			
1122	1.003	2	0.12	23.76			11.88	11.88'			
1123	0.000	2	0.12	23.76			11.88	11.88'			
1123	1.003	2	0.12	23.76			11.88	11.88'			
1124	0.000	2	0.12	23.76			11.88	11.88'			
1124	1.003	2	0.12	23.76			11.88	11.88'			
1125	0.000	2	0.12	23.76			11.88	11.88'			
1125	1.003	2	0.12	23.76			11.88	11.88'			
1126	0.000	2	0.12	23.76			11.88	11.88'			
1126	1.003	2	0.12	23.76			11.88	11.88'			
1127	0.000	2	0.12	23.76			11.88	11.88'			
1127	1.003	2	0.12	23.76			11.88	11.88'			
1128	0.000	2	0.12	23.76			11.88	11.88'			
1128	1.003	2	0.12	23.76			11.88	11.88'			

Anmerkung: Rang enthält erforderliche Torsionsbewehrung, wenn T folgt Anmerkung: Rang ist ausschließlich Druckbewehrung, wenn ein Apostroph folgt

ρ Asl geometrischer Anteil der Bewehrung

gesamte Längsbewehrung Versatzmaß der Längsbewehrung (0.0 falls bereits über Normalkraft berücksichtigt)

Asl-0,Asl-1,Asl-2,Asl-3,Asl-4,Asl-5 Längsbewehrung je Rang

Torsions und Schubbewehrung je geschnittenem Bauteil - Bemessungsfall 1

Stab	x[m]	QNr	Asl-Mt	As/s	As/s-1
					AsT-1
			[cm2/m]	[cm2/m]	[cm2/m]
1001	0.000	1	0.00		9.08
1001	1.003	1	0.00		9.08
1002	0.000	1	0.00		9.08
1002	1.003	1	0.00		9.08
1003	0.000	1	0.00		9.08
1003	1.003	1	0.00		9.08
1004	0.000	1	0.00		9.08
1004	1.003	1	0.00		9.08
1005	0.000	1	0.00		9.08
1005	1.003	1	0.00		9.08
1006	0.000	1	0.00		9.08
1006	1.003	1	0.00		9.08
1007	0.000	1	0.00		9.08
1007	1.003	1	0.00		9.08
1008	0.000	1	0.00		9.08
1008	1.003	1	0.00		9.08
1009	0.000	1	0.00		9.08
1009	1.003	1	0.00		9.08
1010	0.000	1	0.00		9.08

Mode1

Torsions und Schubbewehrung je geschnittenem Bauteil - Bemessungsfall

Torsions	und Sch	nubbev	vehrung je g	geschnitte	enem Baute
Stab	x[m]	QNr	Asl-Mt	As/s	As/s-1
					AsT-1
			[cm2/m]	[cm2/m]	[cm2/m]
1010	1.003	1	0.00		9.08
1011	0.000	1	0.00		9.08
1011	1.003	1	0.00		9.08
1012	0.000	1	0.00		9.08
1012	1.003	1	0.00		9.08
1013	0.000	1	0.00		9.08
1013	1.003	1	0.00		9.08
1014	0.000	1	0.00		9.08
1014	1.003	1	0.00		9.08
1015	0.000	1	0.00		9.08
1015	1.003	1	0.00		9.08
1016	0.000	1	0.00		9.08
1016	1.003	1	0.00		9.08
1017	0.000	1	0.00		9.08
1017	1.003	1	0.00		9.08
1018	0.000	1	0.00		9.08
1018	1.003	1	0.00		9.08
1019	0.000	1	0.00		9.08
1019	1.003	1	0.00		9.08
1020	0.000	1	0.00		9.08
1020	1.003	1	0.00		9.08
1021	0.000	1	0.00		9.08
1021	1.003	1	0.00		9.08
1022	0.000	1	0.00		9.08
1022	1.003	1	0.00		9.08
1023	0.000	1	0.00		9.08
1023	1.003	1	0.00		9.08
1024	0.000	1	0.00		9.08
1024	1.003	1	0.00		9.08
1025	0.000	1	0.00		9.08
1025	1.003	1	0.00		9.08
1026	0.000	1	0.00		9.08
1026	1.003	1	0.00		9.08
1027	0.000	1	0.00		9.08
1027	1.003	1	0.00		9.08
1028	0.000	1	0.00		9.08
1028	1.003	1	0.00	Y	9.08
1029	0.000	1	0.00		9.08
1029	1.003	1	0.00		9.08
1030	0.000	1	0.00		9.08
1030	1.003	1	0.00		9.08
1031	0.000	1	0.00		9.08
1031	1.003	1	0.00		9.08
1032	0.000	1	0.00		9.08
1032	1.003	1	0.00		9.08
1033	0.000	1	0.00		9.08
1033	1.003	1	0.00		9.08
1034	0.000	1	0.00		9.08
1034	1.003	1	0.00		9.08
1035	0.000	1	0.00		9.08
1035	1.003	1	0.00		9.08
1036	0.000	1	0.00		9.08
1036	1.003	1	0.00		9.08
1037	0.000	1	0.00		9.08
1037	1.003	1	0.00		9.08
		-	3.00		

1038 0.000 1

0.00

9.08



Model

Torsions und Schubbewehrung je geschnittenem Bauteil - Bemessungsfall

Torsions	und Sch	nubbev	vehrung je g	geschnitte	enem Baute
Stab	x[m]	QNr	Asl-Mt	As/s	As/s-1
					AsT-1
			[cm2/m]	[cm2/m]	[cm2/m]
1038	1.003	1	0.00		9.08
1039	0.000	1	0.00		9.08
1039	1.003	1	0.00		9.08
1040	0.000	1	0.00		9.08
1040	1.003	1	0.00		9.08
1041	0.000	1	0.00		9.08
1041	1.003	1	0.00		9.08
1042	0.000	1	0.00		9.08
1042	1.003	1	0.00		9.08
1043	0.000	1	0.00		9.08
1043	1.003	1	0.00		9.08
1044	0.000	1	0.00		9.08
1044	1.003	1	0.00		9.08
1045	0.000	2	0.00		9.08
1045	0.997	2	0.00		9.08
1046	0.000	2	0.00		9.08
1046	0.997	2	0.00		9.08
1047	0.000	2	0.00		9.08
1047	0.997	2	0.00		9.08
1048	0.000	2	0.00		9.08
1048	0.997	2	0.00		9.08
1049	0.000	2	0.00		9.08
1049	0.997	2	0.00		9.08
1050	0.000	2	0.00		9.08
1050	0.997	2	0.00		9.08
1051	0.000	2	0.00		9.08
1051	0.997	2	0.00		9.08
1052	0.000	2	0.00		9.08
1052	0.997	2	0.00		9.08
1053	0.000	2	0.00		9.08
1053	0.997	2	0.00		9.08
1054	0.000	2	0.00		9.08
1054	0.997	2	0.00		9.08
1055	0.000	2	0.00		9.08
1055	0.997	2	0.00		9.08
1056	0.000	2	0.00		9.08
1056	0.997	2	0.00		9.08
1057	0.000	2	0.00		9.08
1057	0.997	2	0.00		9.08
1058	0.000	2	0.00		9.08
1058	0.997	2	0.00		9.08
1059	0.000	2	0.00		9.08
1059	0.997	2	0.00		9.08
1060	0.000	2	0.00		9.08
1060	0.997	2	0.00		9.08
1061	0.000	2	0.00		9.08
1061	0.997	2	0.00		9.08
1062	0.000	2	0.00		9.08
1062	0.997	2	0.00		9.08
1063	0.000	2	0.00		9.08
1063	1.025	2	0.00		9.08
1064	0.000	2	0.00		9.08
1064	1.025	2	0.00		9.08
1065	0.000	2	0.00		9.08
1065	1.025	2	0.00		9.08
		_			

0.00

9.08



1066 0.000

Bauteil - Bemessungsfall

Torsions	und Sch	nubbev	vehrung je g	eschnittenem Baute				
Stab	x[m]	QNr	Asl-Mt	As/s	As/s-1			
				_	AsT-1			
			[cm2/m]	[cm2/m]	[cm2/m]			
1066	1.025	2	0.00		9.08			
1067	0.000	2	0.00		9.08			
1067	0.997	2	0.00		9.08			
1068	0.000	2	0.00		9.08			
1068	0.997	2	0.00		9.08			
1069	0.000	2	0.00		9.08			
1069	0.997	2	0.00		9.08			
1070 1070	0.000	2	0.00		9.08			
1070	0.997	2	0.00 0.00		9.08			
1071	0.997	2	0.00		9.08			
1071	0.000	2	0.00		9.08			
1072	0.997	2	0.00		9.08			
1073	0.000	2	0.00		9.08			
1073	0.997	2	0.00		9.08			
1074	0.000	2	0.00		9.08			
1074	0.997	2	0.00		9.08			
1075	0.000	2	0.00		9.08			
1075	0.997	2	0.00		9.08			
1076	0.000	2	0.00		9.08			
1076	0.997	2	0.00		9.08			
1077	0.000	2	0.00		9.08			
1077	0.997	2	0.00		9.08			
1078	0.000	2	0.00		9.08			
1078	0.997	2	0.00		9.08			
1079	0.000	2	0.00		9.08			
1079	0.997	2	0.00		9.08			
1080	0.000	2	0.00		9.08			
1080	0.997	2	0.00		9.08			
1081	0.000	2	0.00		9.08			
1081	0.997	2	0.00		9.08			
1082	0.000	2	0.00		9.08			
1082	0.997	2	0.00		9.08			
1083	0.000	2	0.00		9.08			
1083	0.997	2	0.00		9.08			
1084 1084	0.000	2	0.00		9.08			
1084	0.000	2	0.00		9.08 9.08			
1085	1.003	2	0.00		9.08			
1086	0.000	2	0.00		9.08			
1086	1.003	2	0.00		9.08			
1087	0.000	2	0.00		9.08			
1087	1.003	2	0.00		9.08			
1088	0.000	2	0.00		9.08			
1088	1.003	2	0.00		9.08			
1089	0.000	2	0.00		9.08			
1089	1.003	2	0.00		9.08			
1090	0.000	2	0.00		9.08			
1090	1.003	2	0.00		9.08			
1091	0.000	2	0.00		9.08			
1091	1.003	2	0.00		9.08			
1092	0.000	2	0.00		9.08			
1092	1.003	2	0.00		9.08			
1093	0.000	2	0.00		9.08			
1093	1.003	2	0.00		9.08			
1094	0.000	2	0.00		9.08			



Bauteil - Bemessungsfall

Torsions	und Sch	nubbev	vehrung je g	geschnitte	ittenem Baute		
Stab	x[m]	QNr	Asl-Mt	As/s	As/s-1		
					AsT-1		
			[cm2/m]	[cm2/m]	[cm2/m]		
1094	1.003	2	0.00		9.08		
1095	0.000	2	0.00		9.08		
1095	1.003	2	0.00		9.08		
1096 1096	0.000 1.003	2	0.00 0.00		9.08		
1090	0.000	2	0.00		9.08		
1097	1.003	2	0.00		9.08		
1098	0.000	2	0.00		9.08		
1098	1.003	2	0.00		9.08		
1099	0.000	2	0.00		9.08		
1099	1.003	2	0.00		9.08		
1100	0.000	2	0.00		9.08		
1100	1.003	2	0.00		9.08		
1101	0.000	2	0.00		9.08		
1101	1.003	2	0.00		9.08		
1102	0.000	2	0.00		9.08		
1102	1.003	2	0.00		9.08		
1103	0.000	2	0.00		9.08		
1103	1.003	2	0.00		9.08		
1104	0.000	2	0.00		9.08		
1104	1.003	2	0.00		9.08		
1105	0.000	2	0.00		9.08		
1105	1.003	2	0.00		9.08		
1106	0.000	2	0.00		9.08		
1106	1.003	2	0.00		9.08		
1107 1107	0.000	2	0.00		9.08		
1107	1.003 0.000	2	0.00 0.00		9.08		
1108	1.003	2	0.00		9.08		
1109	0.000	2	0.00		9.08		
1109	1.003	2	0.00		9.08		
1110	0.000	2	0.00		9.08		
1110	1.003	2	0.00	4	9.08		
1111	0.000	2	0.00	,	9.08		
1111	1.003	2	0.00		9.08		
1112	0.000	2	0.00		9.08		
1112	1.003	2	0.00		9.08		
1113	0.000	2	0.00		9.08		
1113	1.003	2	0.00		9.08		
1114	0.000	2	0.00		9.08		
1114	1.003	2	0.00		9.08		
1115	0.000	2	0.00		9.08		
1115	1.003	2	0.00		9.08		
1116	0.000	2	0.00		9.08		
1116	1.003	2	0.00		9.08		
1117	0.000	2	0.00		9.08		
1117	1.003	2	0.00		9.08		
1118 1118	0.000	2	0.00		9.08		
1119	0.000	2	0.00		9.08		
1119	1.003	2	0.00		9.08		
1120	0.000	2	0.00		9.08		
1120	1.003	2	0.00		9.08		
1121	0.000	2	0.00		9.08		
1121	1.003	2	0.00		9.08		
1122	0.000	2	0.00		9.08		



Torsions und Schubbewehrung je geschnittenem Bauteil - Bemessungsfall

Stab	x[m]	QNr	Asl-Mt	As/s	As/s-1		
Jeas	, , , , , , , , , , , , , , , , , , ,	- Q	7.52 1.10	7.5, 5	AsT-1		
			[cm2/m]	[cm2/m]	[cm2/m]		
		_		[[[]			
1122	1.003	2	0.00		9.08		
1123	0.000	2	0.00		9.08		
1123	1.003	2	0.00		9.08		
1124	0.000	2	0.00		9.08		
1124	1.003	2	0.00		9.08		
1125	0.000	2	0.00		9.08		
1125	1.003	2	0.00		9.08		
1126	0.000	2	0.00		9.08		
1126	1.003	2	0.00		9.08		
1127	0.000	2	0.00		9.08		
1127	1.003	2	0.00		9.08		
1128	0.000	2	0.00		9.08		
1128	1.003	2	0.00		9.08		

Asl-Mt nominale Längsbewehrung pro m des Umfangs des Ersatzquerschnitts infolge Torsion (Mt/2Ak)

As/s Bügelbewehrung

As/s-1 gesamte Bügelbewehrung je Rang pro geschnittenem Bauteil AsT-1 Anteil der Bügelbewehrung für Torsion der maßgebenden

gesamten Bewehrung im ungünstigsten Schubschnitt

Maximale Ausnutzungsgrade

		N	Vy	Vz	Му	Mz	Mtp	Mts	Mb	Ncr	QKL	Total
		σ-х	σ+x	τ	σ-v	σ-s	σ-dyn	As-l	As-v	crack		
Querschnitt	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	0.014
Platte		0.000	0.000	0.000	0.000	-	-	0.014	-	-	-	
Querschnitt	2	0.000	0.000	0.027	0.000	0.000	0.000	0.000	0.000	-	-	0.256
Strebe		0.000	0.000	0.000	0.000	-	-	0.256	-	-	-	
Gesamt		0.000	0.000	0.027	0.000	0.000	0.000	0.000	0.000	-	-	0.256
		0.000	0.000	0.000	0.000	-	-	0.256	_	_	-	

Normalkraft Schubspannung Haupt- oder Vergleichsspannung Vy,Vz Querkraft σ-ν My,Mz Biegung σ-s Spannung in Bewehrung

Mtp,Mts Torsion (p)rimär und (s)ekundär $\sigma\text{-dyn}$ Schwingbreite Mb Wölbmoment As-1 Längsbewehrung

Ncr Biegeknicken Bügelbewehrung bzw. Betonschubtragfähigkeit

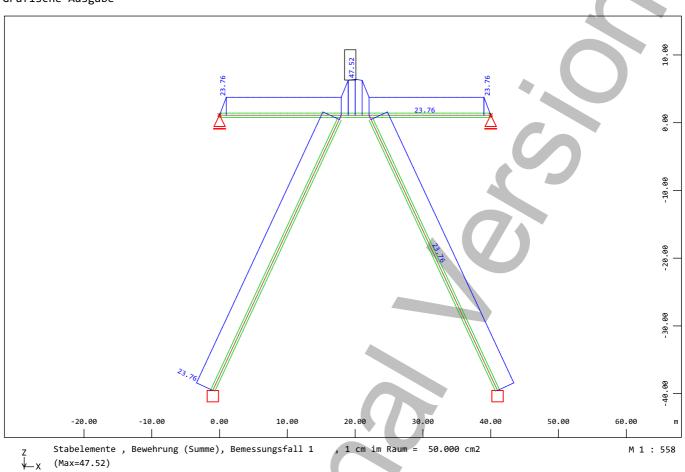
QKL Querschnittsklasse Rissweite

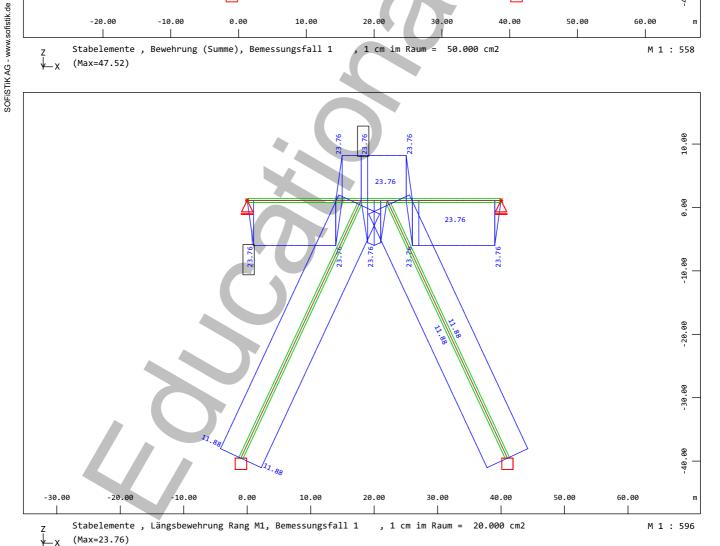
σ-x Längsdruckspannung Total ungünstigste Ausnutzung in allen Nachweisen

σ+х Längszugspannung



Model Grafische Ausgabe

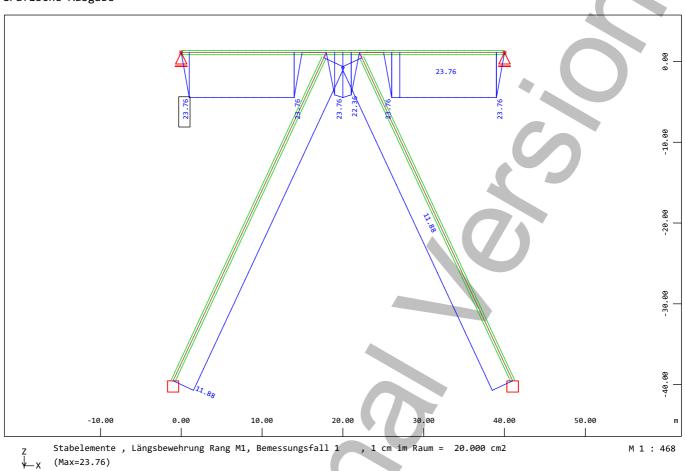


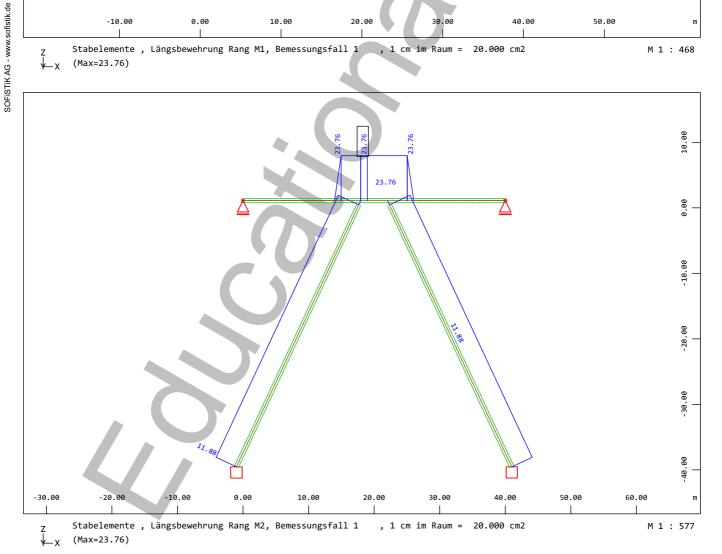


, 1 cm im Raum = 20.000 cm2

Stabelemente , Längsbewehrung Rang M2, Bemessungsfall 1 $\,$

Model Grafische Ausgabe





Model Grafische Ausgabe

