



WSI 152.2510-DR-4041-4 – Stiffness Table

Load Case Number	WD [m]	Axial Stiffness [kN]	Equivalent Bend Stiffness [kNm^2]
GA Cases	0-500	307079	241.459
GB / GFa Cases	0-500	306473	190.852
GFb Cases	0-500	306489	202.515
GC / GG Cases	0-500	310595	91.300
GD / GH Cases	0-500	310595	91.300
GE / GI Cases	0-500	310595	91.300
GJ Cases	0-500	307532	220.172
GA Cases	500-1000	307350	424.255
GB / GFa Cases	500-1000	306591	357.008
GFb Cases	500-1000	306722	368.625
GC / GG Cases	500-1000	311193	277.736
GD / GH Cases	500-1000	309269	292.365
GE / GI Cases	500-1000	311290	262.427
GJ Cases	500-1000	308145	406.198
GA Cases	1000-1500	307814	602.616
GB / GFa Cases	1000-1500	306361	519.575
GFb Cases	1000-1500	306575	531.092
GC / GG Cases	1000-1500	311546	458.972
GD / GH Cases	1000-1500	307738	489.209
GE / GI Cases	1000-1500	311666	428.141
GJ Cases	1000-1500	308620	586.441
GA Cases	1500-2000	308141	773.016
GB / GFa Cases	1500-2000	305664	675.004
GFb Cases	1500-2000	305849	686.409
GC / GG Cases	1500-2000	311395	630.491
GD / GH Cases	1500-2000	306984	675.073
GE / GI Cases	1500-2000	311614	584.526
GJ Cases	1500-2000	308762	756.649
GA Cases	2000-2240	308473	938.743
GB / GFa Cases	2000-2240	305408	826.621
GFb Cases	2000-2240	305504	837.866
GC / GG Cases	2000-2240	311223	797.945
GD / GH Cases	2000-2240	306809	918.072
GE / GI Cases	2000-2240	311562	737.256
GJ Cases	2000-2240	308125	922.335
GA Cases	2240-2500	308655	1016.509
GB / GFa Cases	2240-2500	305362	897.137
GFb Cases	2240-2500	305393	909.023
GC / GG Cases	2240-2500	311134	876.750
GD / GH Cases	2240-2500	306824	1022.151
GE / GI Cases	2240-2500	311536	809.175
GJ Cases	2240-2500	307893	1000.111



Curvatura [1/m]	Momento Fletor [Nm]							
	Dry Annulus				Flooded Annulus			
	Caso 1	Caso 2	Caso 3	Caso 4	Caso 5	Caso 6	Caso 7	Caso 8
0.0000	0	0	0	0	0	0	0	0
0.0057	13250	13250	13250	13250	5055	1931	9581	9871
0.0126	29380	29380	29380	29380	5880	2657	13718	14676
0.0208	48390	48390	48390	48390	6743	3509	15012	16116
0.0302	67946	69893	70268	70274	7727	4489	16116	17258
0.0409	76574	82074	88761	89273	8838	5599	17274	18430
0.0528	80721	87247	96338	97178	10077	6838	18537	19700
0.0659	83553	90570	100730	101700	11445	8205	19915	21083
0.0802	85875	93164	103890	104930	12942	9701	21418	22587
0.0958	88006	95451	106520	107601	14567	11327	23048	24218
0.1127	90078	97633	108908	110014	16322	13081	24806	25977
0.1308	92178	99797	111219	112342	18205	14964	26693	27864
0.1501	94342	102005	113523	114659	20218	16977	28707	29879
0.1706	96591	104289	115870	117013	22359	19118	30850	32023
0.1924	98937	106662	118293	119441	24629	21388	33122	34295
0.2155	101391	109138	120807	121960	27029	23787	35523	36696
0.2397	103960	111721	123424	124580	29557	26316	38052	39225
0.2652	106649	114418	126147	127306	32214	28973	40711	41884
0.2920	109461	117235	128980	130142	35001	31759	43498	44671
0.3200	112398	120176	131930	133094	37916	34674	46414	47587
0.3492	115460	123243	135004	136168	40960	37719	49458	50632
0.3797	118648	126435	138202	139367	44133	40892	52632	53806
0.4114	121963	129753	141526	142691	47436	44194	55935	57108
0.4443	125405	133197	144975	146141	50867	47625	59366	60540
0.4785	128974	136769	148551	149718	54427	51186	62927	64101
0.4671	102475	110270	122052	123218	44266	47322	43694	44263
0.4532	70215	78010	89792	90958	42667	45872	35450	34687
0.4369	32194	39989	51771	52938	40941	44168	32899	31862
0.4180	-7650	-3792	7990	9156	38973	42207	30694	29583
0.3967	-24254	-27474	-29004	-28848	36751	39987	28378	27240
0.3730	-32487	-37757	-44164	-44675	34273	37510	25853	24700
0.3467	-38142	-44381	-52918	-53694	31537	34776	23096	21934
0.3180	-42780	-49563	-59235	-60151	28544	31783	20091	18926
0.2868	-47039	-54136	-64490	-65485	25293	28532	16830	15664
0.2531	-51184	-58498	-69267	-70313	21783	25024	13314	12147
0.2169	-55383	-62825	-73889	-74968	18017	21257	9542	8373
0.1783	-59711	-67241	-78496	-79601	13992	17232	5512	4343
0.1372	-64209	-71809	-83188	-84308	9709	12950	1226	56
0.0936	-68901	-76556	-88034	-89165	5168	8409	-3318	-4489
0.0475	-73808	-81506	-93064	-94203	370	3611	-8119	-9290
-0.0010	-78947	-86673	-98296	-99442	-4687	-1446	-13178	-14349
-0.0520	-84324	-92066	-103742	-104894	-10002	-6760	-18494	-19666
-0.1055	-89948	-97701	-109409	-110567	-15574	-12333	-24068	-25241
-0.1615	-95822	-103584	-115310	-116470	-21405	-18163	-29900	-31073
-0.2199	-101946	-109717	-121457	-122619	-27493	-24252	-35990	-37163
-0.2808	-108323	-116101	-127853	-129017	-33840	-30598	-42337	-43511
-0.3442	-114953	-122737	-134501	-135665	-40444	-37203	-48943	-50116
-0.4101	-121836	-129626	-141400	-142565	-47307	-44065	-55806	-56980
-0.4785	-128974	-136769	-148551	-149718	-54427	-51186	-62927	-64101
-0.4671	-102475	-110270	-122052	-123218	-44266	-47322	-43694	-44263
-0.4532	-70215	-78010	-89792	-90958	-42667	-45872	-35450	-34687
-0.4369	-32194	-39989	-51771	-52938	-40941	-44168	-32899	-31862
-0.4180	7650	3792	7990	9156	38973	42207	30694	29583
-0.3967	24254	27474	29004	28848	36751	39987	28378	27240
-0.3730	32487	37757	44164	44675	34273	37510	25853	24700
-0.3467	38142	44381	52918	53694	31537	34776	23096	21934
-0.3180	42780	49563	59235	60151	28544	31783	20091	18926
-0.2868	47039	54136	64490	65485	25293	28532	16830	15664
-0.2531	51184	58498	69267	70313	21783	25024	13314	12147
-0.2169	55383	62825	73889	74968	18017	21257	9542	8373
-0.1783	59711	67241	78496	79601	13992	17232	5512	4343
-0.1372	64209	71809	83188	84308	9709	12950	1226	56
-0.0936	68901	76556	88034	89165	5168	8409	3318	4489
-0.0475	73808	81506	93064	94203	370	3611	8119	9290
0.0010	78947	86673	98296	99442	4687	1446	13178	14349
0.0520	84324	92066	103742	104894	10002	6760	18494	19666
0.1055	89948	97701	109409	110567	15574	12333	24068	25241
0.1615	95822	103584	115310	116470	21405	18163	29900	31073
0.2199	101946	109717	121457	122619	27493	24252	35990	37163
0.2808	108323	116101	127853	129017	33840	30598	42337	43511
0.3442	114953	122737	134501	135665	40444	37203	48943	50116
0.4101	121836	129626	141400	142565	47307	44065	55806	56980
0.4785	128974	136769	148551	149718	54427	51186	62927	64101



WSI 152.2510-DR-4041-4 – Curvature x Bending Moment

