

NOTE:

1	FOR QC-2	12-12-2025	HNA		
REV	DESCRIPTION	DATE	DRAWN	CHECK	APP'D
FUSIE ENGINEERS					

Fusie Engineers – NL BV
Graaf Engelbertlaan 75
4837 DS Breda
Tel. No.: +31 613858955
info@fusie-engineers.com
Website: https://fusie-engineers.com

DEME OFFSHORE
Client:
DEME Offshore LLC.
Haven 1025 - Scheldekaai 30
B-2070 Zwijndrecht, Belgium
Member of the DEME-Group

Project:
MP TEMPORARY NAVIGATION STRUCTURE DESIGN

Title: DESIGN DRAWING - TNS DESIGN

Engineering Drawing Number:
FE25.0050-D-100

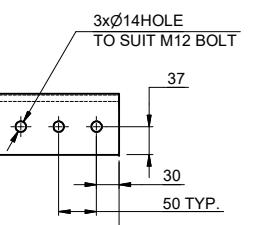
Rev.
1

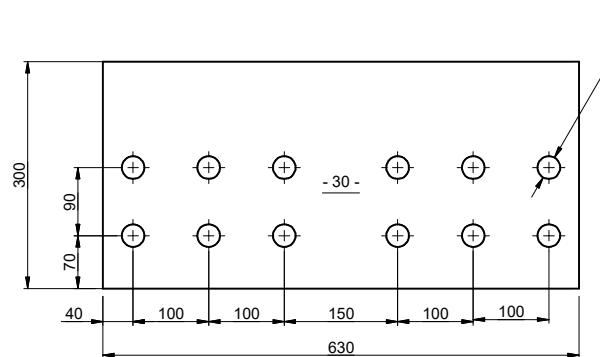
Contractor Drawing Number:

Rev.

Client Drawing Number:

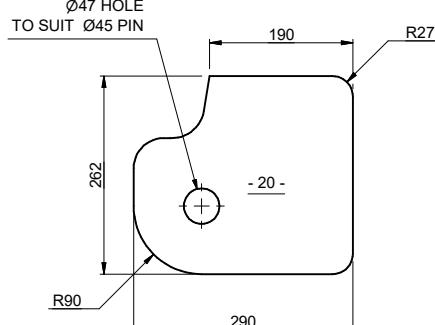
Rev.





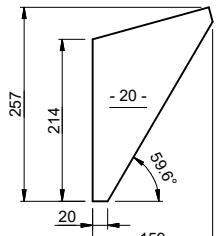
1.14 BOLTING PLATE-1 (2 PCS)

SCALE 1 : 10



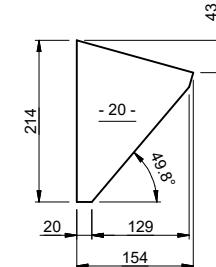
1.15 LOCK PLATE (2 PCS)

SCALE 1 : 10



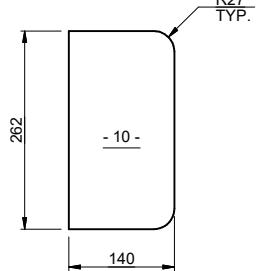
1.16 STIFFENER PLATE-1 (4 PCS)

SCALE 1 : 10



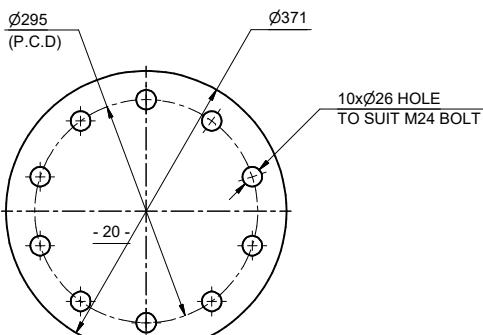
1.17 STIFFENER PLATE-2 (4 PCS)

SCALE 1 : 10



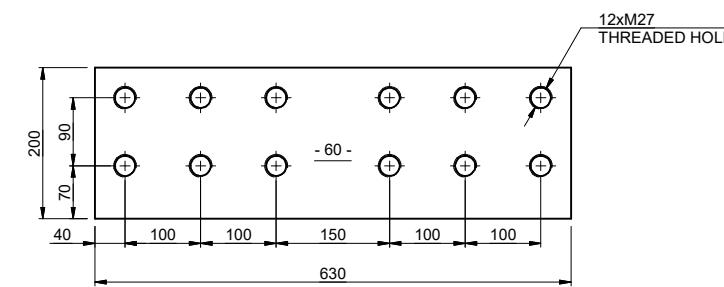
1.18 STIFFENER PLATE-3 (2 PCS)

SCALE 1 : 10



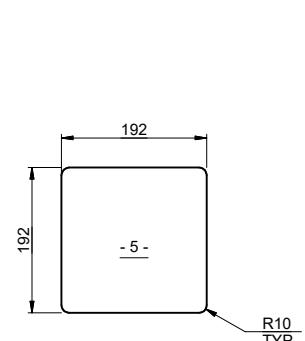
1.19 FLANGE PLATE (2 PCS)

SCALE 1 : 10



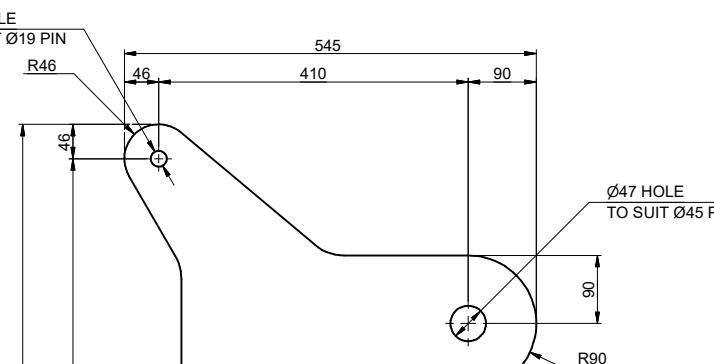
1.20 BOLTING PLATE-2 (2 PCS)

SCALE 1 : 10



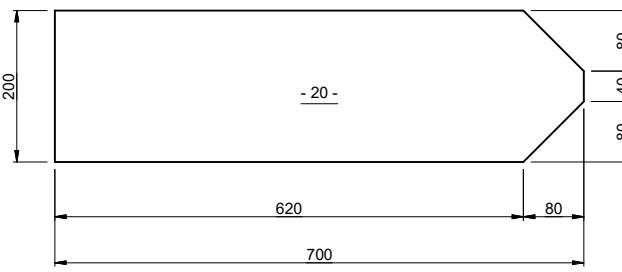
1.21 END CAP-1 (4 PCS)

SCALE 1 : 10



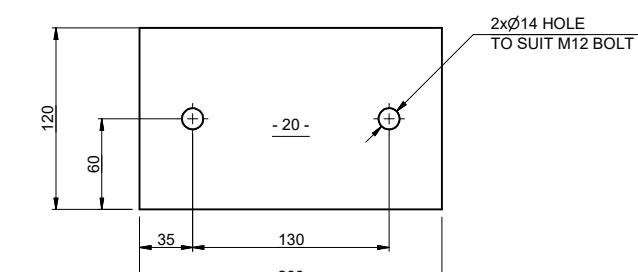
1.23 CLAMP SUPPORT PLATE-1 (1 PC)

SCALE 1 : 10



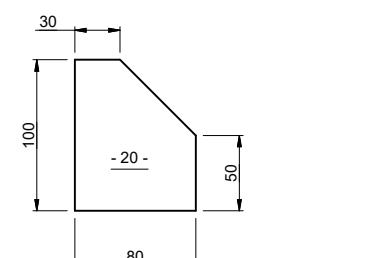
1.24 CLAMP SUPPORT PLATE-2 (1 PC)

SCALE 1 : 10



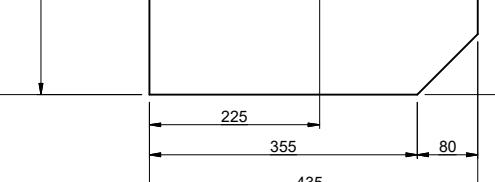
1.25 PLATE-1 (1 PC)

SCALE 1 : 5



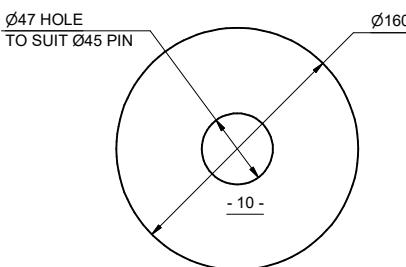
1.26 STIFFENER PLATE-4 (2 PCS)

SCALE 1 : 5



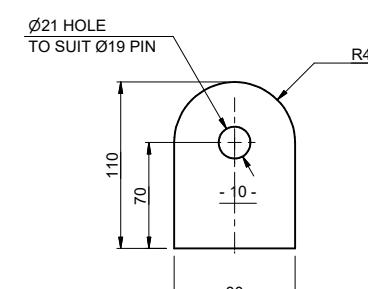
1.22 CLAMP PLATE (1 PC)

SCALE 1 : 10



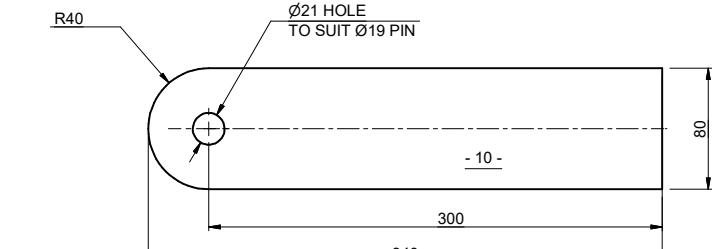
1.27 CHEEK PLATE (2 PCS)

SCALE 1 : 5



1.29 LOCK LINK PLATE-2 (2 PCS)

SCALE 1 : 5



1.30 LOCK LINK PLATE-3 (2 PCS)

SCALE 1 : 5

1	FOR QC-2	12-12-2025	HNA		
REV	DESCRIPTION	DATE	DRAWN	CHECK	APP'D
	FUSIE ENGINEERS	Fusie Engineers – NL BV Graaf Engelbertlaan 75 4837 DS Breda Tel. No.: +31 613858955 info@fusie-engineers.com Website: https://fusie-engineers.com			MNGR
	DEME OFFSHORE	Client: DEME Offshore LLC, Haven 1025 - Scheldestraat 30 B-2070 Zwijndrecht, Belgium Member of the DEME-Group			
	Project:	MP TEMPORARY NAVIGATION STRUCTURE DESIGN			
	Title:	DESIGN DRAWING - TNS DESIGN			
	Engineering Drawing Number:	FE25.0050-D-100	Rev.	1	
	Contractor Drawing Number:		Rev.		
	Client Drawing Number:		Rev.		

PROFILES						
POS	DESCRIPTION	LENGTH	ITEM QTY	MATERIAL	WEIGHT(kg)	TOTAL WEIGHT(kg)
1.1	HEB 300	1689 mm	1	S355J2	187.91	188
1.2	CHS 219.1 x 14.2	100 mm	1	S355J2	7.18	7
1.3	SHS 200 x 200 x 8	933 mm	2	S355J2	34.78	70
1.4	SHS 200 x 200 x 8	2421 mm	2	S355J2	107.64	215
1.5	SHS 200 x 200 x 8	1322 mm	2	S355J2	56.01	112
1.6	SHS 200 x 200 x 8	573 mm	2	S355J2	25.16	50
1.7	SHS 200 x 200 x 8	404 mm	2	S355J2	17.67	35
1.8	SHS 60 x 60 x 5	1100 mm	1	S355J2	8.39	8
1.9	SHS 60 x 60 x 5	151 mm	1	S355J2	0.81	1
1.10	SHS 60 x 60 x 5	421 mm	1	S355J2	3.25	3
1.11	L 100 x 50 x 8	90 mm	4	S355J2	0.75	3
1.12	CHS 219.1 x 14.2	1650 mm	1	S355J2	118.40	118
1.13	T 80	1500 mm	1	S355J2	16.70	17

PLATES & PINS							
POS	DESCRIPTION	SIZE	THICKNESS	QTY	MATERIAL	WEIGHT(kg)	TOTAL WEIGHT(kg)
1.14	BOLTING PLATE-1	630 x 300	30	2	S355J2	42.5	85
1.15	LOCK PLATE	290 x 262	20	2	S355J2	10.1	20
1.16	STIFFENER PLATE-1	159 x 256	20	4	S355J2	3.3	13
1.17	STIFFENER PLATE-2	154 x 214	20	4	S355J2	3.0	12
1.18	STIFFENER PLATE-3	139 x 262	10	2	S355J2	2.8	6
1.19	FLANGE PLATE	Ø371	20	2	S355J2	16.1	32
1.20	BOLTING PLATE-2	630 x 200	60	2	S355J2	56.2	112
1.21	END CAP-1	192 x 192	5	4	S355J2	1.4	6
1.22	CLAMP PLATE	545 x 959	20	1	S355J2	44.9	45
1.23	CLAMP SUPPORT PLATE-1	200 x 350	20	1	S355J2	10.0	10
1.24	CLAMP SUPPORT PLATE-2	200 x 700	20	1	S355J2	21.0	21
1.25	PLATE-1	200 x 120	20	1	S355J2	3.7	4
1.26	STIFFENER PLATE-4	80 x 100	20	2	S355J2	1.1	2
1.27	CHEEK PLATE	Ø160	10	2	S355J2	1.4	3
1.28	LOCK LINK PLATE-1	120 x 80	10	1	S355J2	0.8	1
1.29	LOCK LINK PLATE-2	80 x 110	10	2	S355J2	0.6	1
1.30	LOCK LINK PLATE-3	80 x 340	10	2	S355J2	2.1	4
1.31	CONNECTOR ROD	Ø85 x 85	-	1	S355J2	3.6	4
1.32	END CAP-2	55 x 55	5	1	S355J2	0.1	0
1.33	GUIDE PLATE	100 x 50	15	4	S355J2	0.6	2
1.34	CIRCULAR PLATE-1	Ø260	40	1	S355J2	16.7	17
1.35	LIGHT SUPPORT PLATE-1	850 x 300	10	1	S355J2	18.5	18
1.36	STOPPER PLATE-1	160 x 65	35	2	S355J2	2.6	5
1.37	STOPPER PLT-02	90 x 92	10	1	S355J2	0.6	1
1.38	STIFFENER PLATE-5	150 x 200	10	2	S355J2	2.4	5
1.39	LIGHT SUPPORT PLATE-2	Ø280	10	1	S355J2	4.8	5
1.40	BUMPER PAD -1	573 x 190	35	2	HDPE	3.6	7
1.41	BUMPER PAD -2	1098 x 190	35	2	HDPE	6.9	14
1.42	BUMPER PAD -3	550 x 190	35	2	HDPE	3.4	7
1.43	BUMPER PAD -4	2186 x 190	35	2	HDPE	13.7	27
1.44	BUMPER PAD -5	404 x 190	35	2	HDPE	2.5	5
1.45	BUMPER PAD -6	200 x 110	60	1	HDPE	1.2	1
1.46	BUMPER PAD -7	90 x 50	25	2	HDPE	0.1	0
1.47	PIN-1	Ø45 x 150	-	1	S355J2	1.8	2
1.48	PIN-2	Ø19 x 100	-	1	S355J2	0.2	0
1.49	PIN-3	Ø19 x 170	-	1	S355J2	0.4	0

STANDARD PARTS				
POS	TYPE	SIZE	STANDARD	QTY
			gppas0_75i_02	1
			gppas0_75i_01	1
			din_582-m10-ni	2
	Split Pin		DIN 94	4
	Split Pin		DIN 94	2

FUSIE
ENGINEERS

Fusie Engineers – NL BV
Graaf Engelbertlaan 75
4837 DS Breda
Tel. No.: +31 613858955
info@fusie-engineers.com
Website: https://fusie-engineers.com

Client:
DEME
OFFSHORE

Project:
MP TEMPORARY NAVIGATION STRUCTURE DESIGN

Title: DESIGN DRAWING - TNS DESIGN

Engineering Drawing Number:
FE25.0050-D-100

Rev.
1

Contractor Drawing Number:

Rev.

Client Drawing Number:

Rev.

FASTENERS					
TYPE	SIZE	GRADE	STANDARD	QTY	MATERIAL
Bolt	M12 x 65		DIN 933	2	
Bolt	M10 x 35		DIN 933	8	
Bolt	M24 x 85		DIN 933	10	
Bolt	M12 x 100		DIN 933	3	
Bolt	M12 x 20		DIN 912	4	
Bolt	M12 x 35		DIN 912	60	
Bolt	M27 x 90		DIN 933	24	
Bolt	M10 x 30		DIN 933	2	
Nut	M24		DIN 934	10	
Nut	M10		DIN 934	8	
Nut	M12		DIN 934	5	
Washer	A 10.5		DIN 125	18	
Washer	A 13		DIN 125	74	
Washer	20		ISO 7089	4	
Washer	A 28		DIN 125	24	
Washer	A 25		DIN 125	20	
Washer	45		ISO 7089	2	

NOTE:

1	FOR QC-2	12-12-2025	HNA			
REV	DESCRIPTION	DATE	DRAWN	CHECK	APP'D	MNGR
 FUSIE ENGINEERS						Fusie Engineers – NL BV Graaf Engelbertlaan 75 4837 DS Breda Tel. No.: +31 613858955 Website: https://fusie-engineers.com
 DEME OFFSHORE						Client: DEME Offshore LLC, Haven 1025 - Scheldekaai 30 B-2070 Zwijndrecht, Belgium Member of the DEME-Group
Project: MP TEMPORARY NAVIGATION STRUCTURE DESIGN						Title: DESIGN DRAWING - TNS DESIGN
Engineering Drawing Number: FE25.0050-D-100						Rev. 1
Contractor Drawing Number:						Rev.
Client Drawing Number:						Rev.

