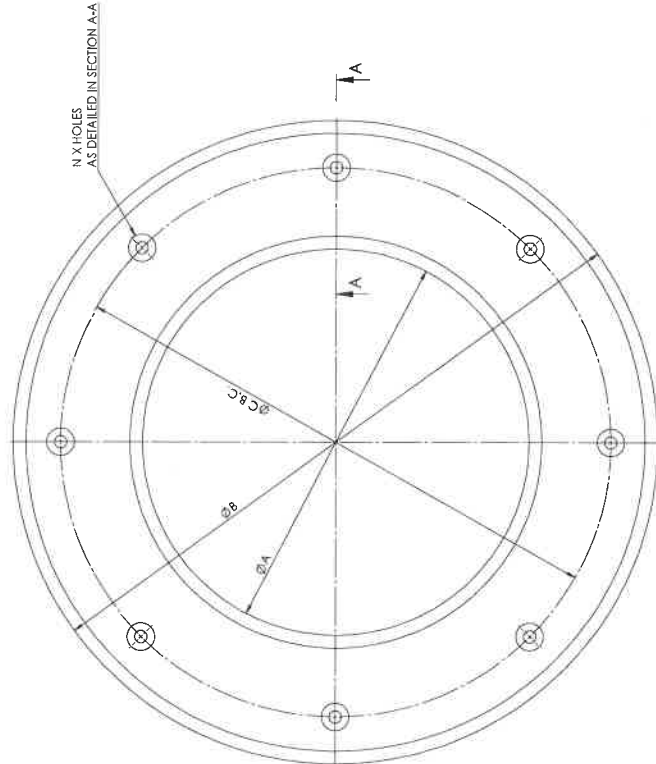
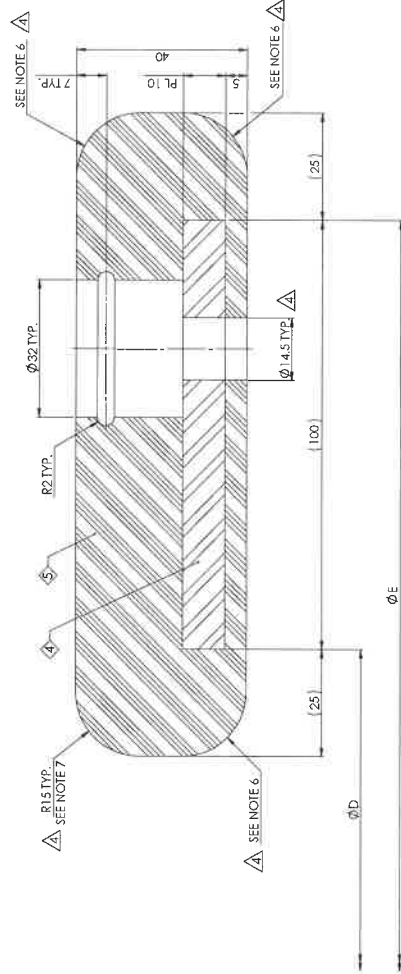




Part no.	Description	A	B	C	D	E	N	Total Weight (Kg)
1000175071	Grommet, Ø75	75	375	245	125	325	4	8.7
1000175072	Grommet, Ø100	100	400	290	150	350	4	9.7
1000175073	Grommet, Ø125	125	425	315	175	375	6	10.5
1000175074	Grommet, Ø150	150	450	340	200	400	6	11.5
1000175075	Grommet, Ø175	175	475	365	225	425	6	12.5
1000175076	Grommet, Ø200	200	500	390	250	450	6	13.5
1000175077	Grommet, Ø250	250	550	440	300	500	6	15.5
1000175078	Grommet, Ø300	300	600	490	350	550	6	17.4
1000175079	Grommet, Ø350	350	650	540	400	600	6	19.4
1000175080	Grommet, Ø400	400	700	590	450	650	8	21.3
1000175081	Grommet, Ø450	450	750	640	500	700	8	23.3
1000175082	Grommet, Ø500	500	800	690	550	750	8	25.2
1000175083	Grommet, Ø550	550	850	740	600	800	8	27.2
1000175084	Grommet, Ø600	600	900	790	650	850	10	29.1
1000175085	Grommet, Ø650	650	950	840	700	900	10	31.1
1000175086	Grommet, Ø700	700	1000	890	750	950	10	33.0
1000175087	Grommet, Ø750	750	1050	940	800	1000	12	34.9
1000175088	Grommet, Ø800	800	1100	990	850	1050	12	36.9
1000175089	Grommet, Ø850	850	1150	1040	900	1100	12	38.8
1000395955	Grommet, Ø900	900	1200	1090	950	1150	16	40.6

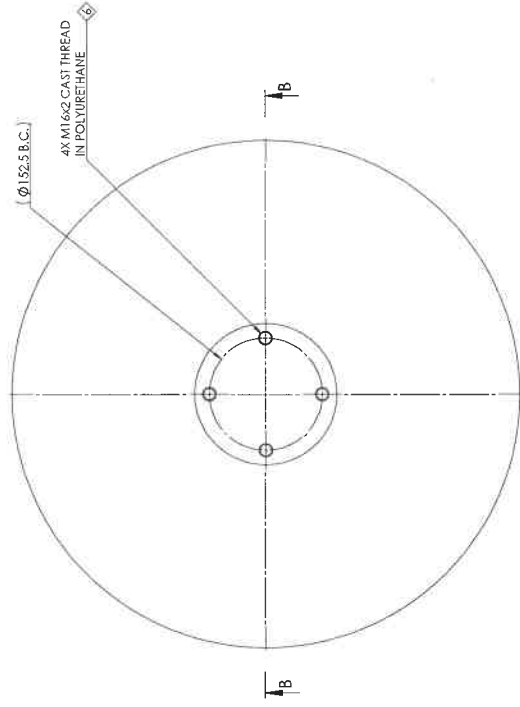
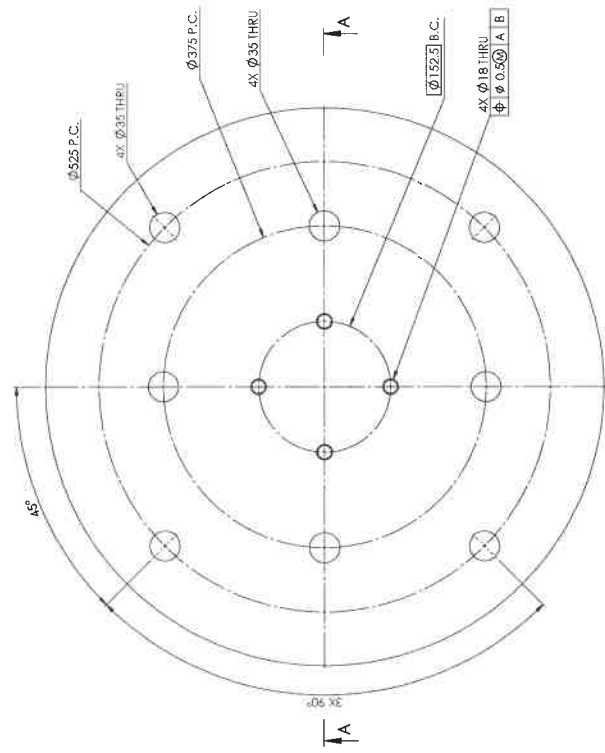


SECTION A-A

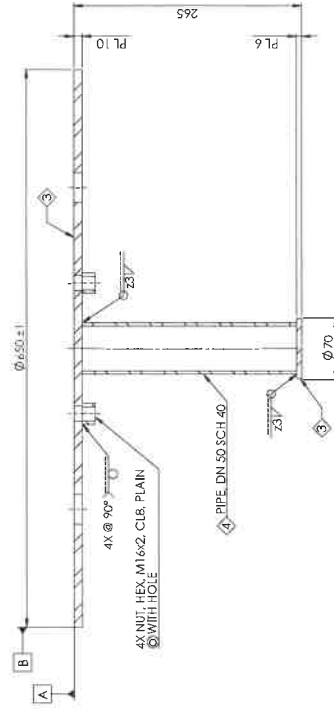


- Notes:
- All dimensions are in millimeters unless noted otherwise.
  - For general workmanship standards and requirements refer to FLSmith document "WS-1, General Workshop Instruction 1000024420".
  - For workmanship standards and requirements in reference to fabricated metal parts refer to FLSmith document "WS-2, Fabricated Metal & Welded Parts Workmanship Standard 1000024422".
  - Insert material: Plate Steel – ASTM A36 / GB 700 Type Q235B or equivalent as approved by FLSmith engineering department.
  - Material: Batlamor - Polyurethane per FLSmith specification 1000179460 or equivalent as approved by FLSmith engineering department.
  - Radius is optional. Square edge is acceptable.
  - R10 radius is acceptable.

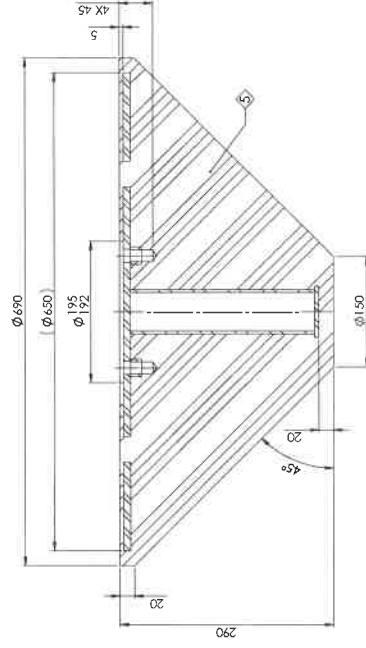
4	DCA-N	V5AS-N	16-Jan-18	Added note 4 & 7 Dm. Ø14.5 was Ø14.
3	HRS-N	V5AS-N	26-Sep-18	Added Ø750 Grommet.
2	DCA-N	JAF-CL-S	21-Mar-16	Updated note 5.
1	VILA	CSG	04-Mar-15	Initial Release
Rev.	Drawn	Appr.	Appr. Date	Issue/Revision Description
Scale:	N/A	Detail drawing		Language Rev.
Grommet				
Revision				
Mat.: See Notes				
Weight: N/A				
Welds: N/A				
Tolerances: N/A				
Replaces: Ø7500				
This drawing is a General Workshop Instruction (WS-1) and is not a technical drawing. It is intended to provide a general overview of the product and its dimensions. It is not intended to be used for manufacturing purposes or for legal purposes. It is intended to be used for informational purposes only.				
The information contained herein may only be used for the limited purpose of understanding the product and its dimensions. It is not intended to be used for manufacturing purposes or for legal purposes. It is intended to be used for informational purposes only.				
No.:				
1000175070				
Rev:				
5				



SECTION A-A



SECTION B-B

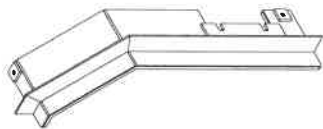


Notes:

1. All dimensions are in millimeters unless noted otherwise.
2. For workmanship standards and requirements in reference to FLSmidth document "WS-2, Fabricated Metal Welded Parts Workmanship Standard 1000024422".
3. Material: Plate Steel – ASTM A36 / GB 700 Type Q235B or equivalent as approved by FLSmidth engineering department.
4. Material: Pipe – ASTM A53 Grade B Type E / GB 8163 Grade 20# Seamless or equivalent as approved by FLSmidth engineering department.
5. Material: Elastomer - Molded Polyurethane per FLSmidth specification 1000193460 or equivalent as approved by FLSmidth engineering department.
6. Plug hole thoroughly prior to molding (to protect threads).
7. Dart valve diameter designation refers to the inside diameter of largest grommel with which it is to be used.

[illegible]

## ORIENTATION FOR OPPOSITE-HANDED PARTS



1. All dimensions are in millimeters unless noted otherwise.

2. For workmanship standards and requirements in reference to fabricated metal parts refer to FlSmidth document "WS-2. Fabricated Metal & Welded Parts Workmanship Standard 1000024472".

3. For lining instruction refer to FLSmidh document "WS-3, Work Instruction: Flotation cell lining with elastomer 1000246500";

4. Material: Plate Steel - ASTM A36 / GB 700 Type Q235B or equivalent as approved by FLSmidth engineering department.

5. Material: Elastomer - M.O.R Rubber per FLSmith specification 1000150561 or equivalent as approved by FLSmith engineering department.

6. No elastomer lining permitted on bolt holes. All overlaps must be ground flat.

7. Where compliance with 1000246500 elastomer lining details are not practicable, elastomer liner shall provide proposed alternative to EL5midh for review.

8. All weld sizes shown are for structural integrity. Fabricator to add additional weld as required to meet the requirements of radii for BS6374 Part 5 and 100024500.

9. All bends are to be minimum radius.

10. Apply Sikaflex-291 to spaces between intermittent welds after application of prime coat but before application of final coat of paint.

11. Opposite-handed parts are to be created according to the indicated symmetry plane. Opposite-handed parts are described in a separate document.

Rev.	SADY-4N	BSA-2A	04-Feb-19	Initial Release	Specific Description of Change
	Drawn	Aspr.	Aspr. Date		

Scale:	N/A	Detail drawing
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Wear plate, hinged dart (As shown)

Flotation, Wemco, 250R7

Matl.: See Notes	Weight: 26.7 kg	Welds: N/A	Based on: 1000272170	ISO 9001
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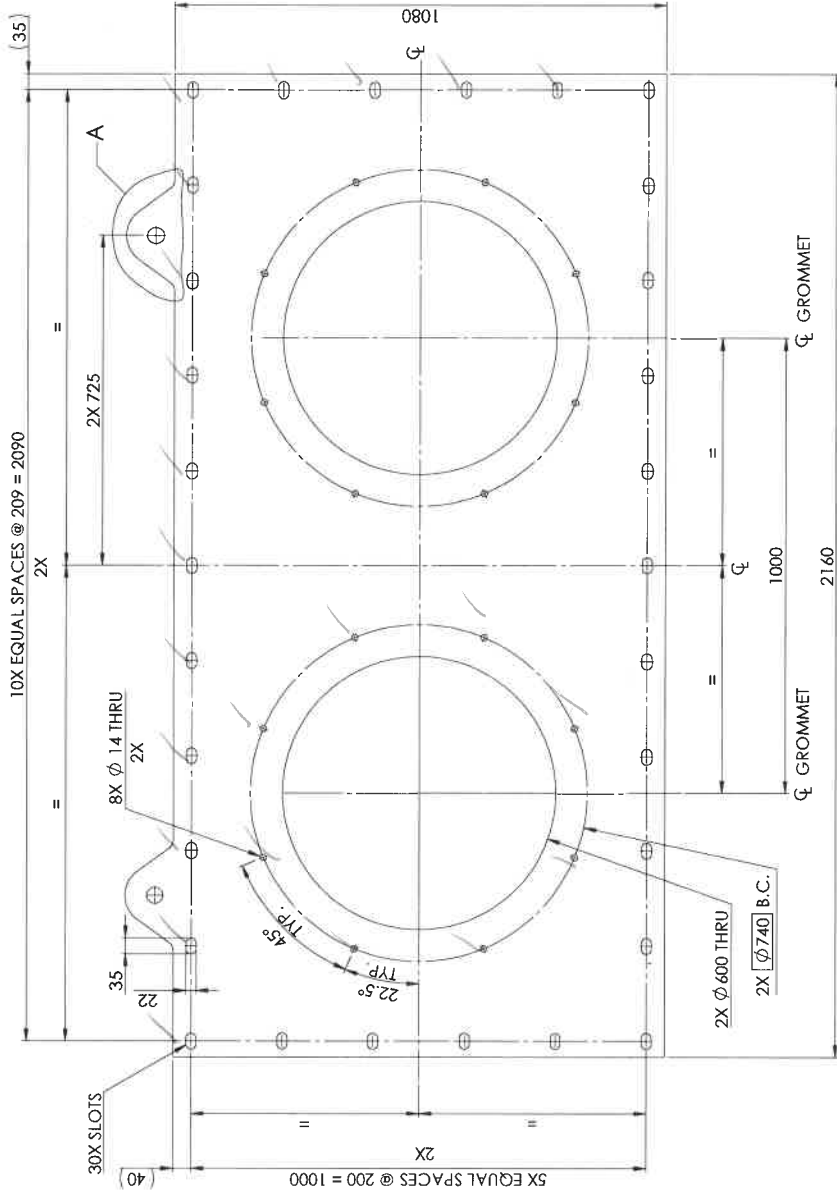
<p>PROPERTY OF FLSMITH A/S. This drawing contains confidential, proprietary, and/or trade secret information of FLSMITH A/S. This drawing and/or the information contained herein, may only be used for the limited purpose of evaluating, proposing or installing, operating or maintaining the equipment specified, consistent with FLSMITH A/S Publications Nos. 0000574420</p>	<p>REPLACING: N/A</p>	<p>Sheet 1 of 1</p>
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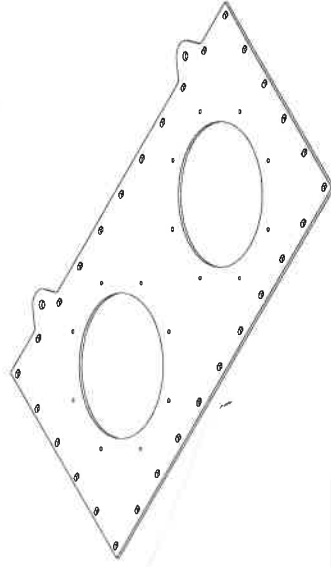
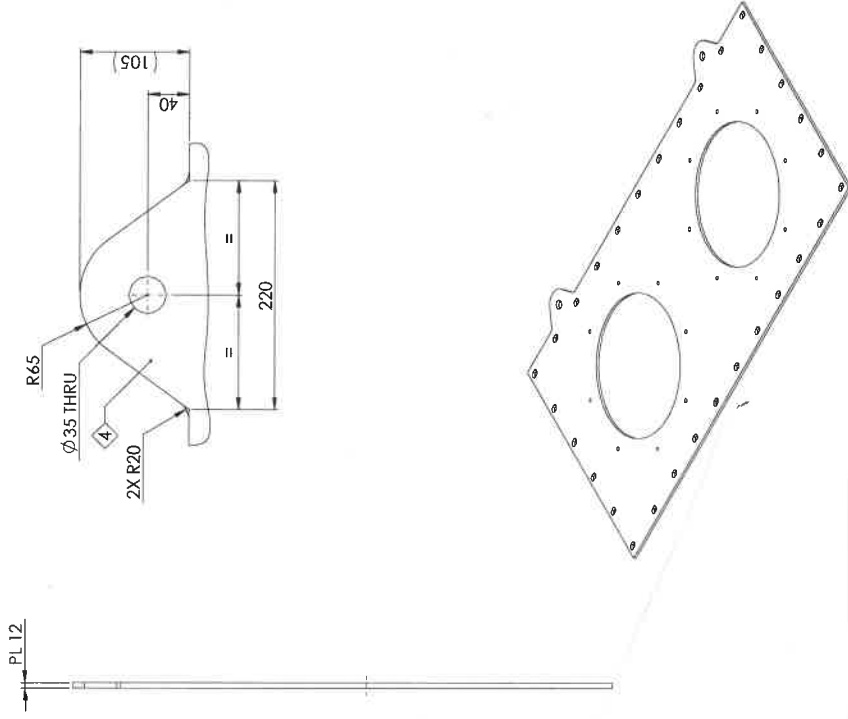
A technical line drawing of a metal profile. The profile has a complex cross-section with a 45-degree corner on the left side. It features a T-slot on the top surface, which is used for assembly. The drawing is a perspective view showing the profile's length and the details of its cross-section.

H 1. This part is an opposite-hand version of the part described in drawing 1000441741. All features are identical opposite-hand features, except as described in this document.

## FLSmidth



DETAIL A  
2X

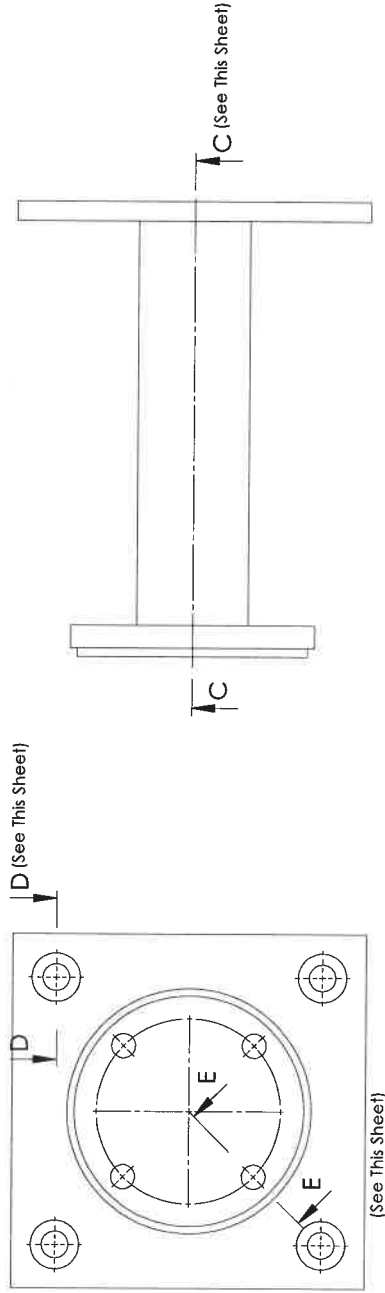


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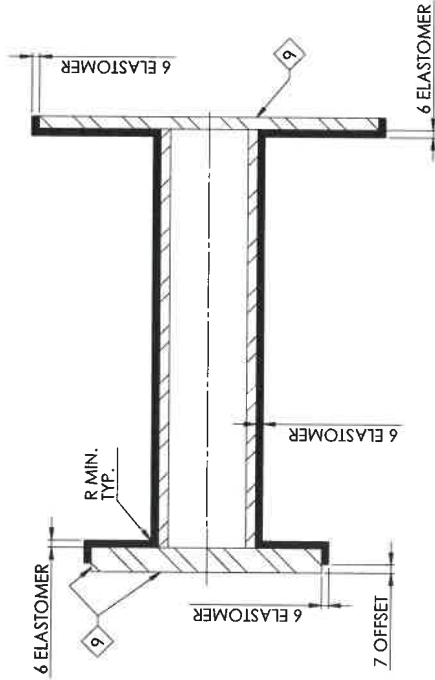
Notes:

1. All dimensions are in millimeters unless noted otherwise.
2. For workmanship standards and requirements in reference to fabricated metal parts refer to FLSmidth document "WS-2, Fabricated Metal & Welded Parts Workmanship Standard 1000024422".
3. Material: Steel - Abrasion Resistant AR200/235 or equivalent as approved by FLSmidth engineering department.
4. Stamp lifting lug with "WLL 95 kgf", letter 10mm high, both sides. Lug to be painted safety yellow.

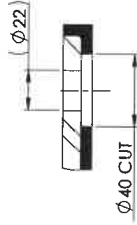
ELASTOMER LINING



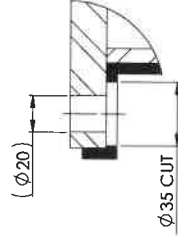
SECTION C-C  
(From This Sheet)



SECTION D-D  
(From This Sheet)  
4X



SECTION E-E  
(From This Sheet)  
(Rotated Clockwise)  
4X



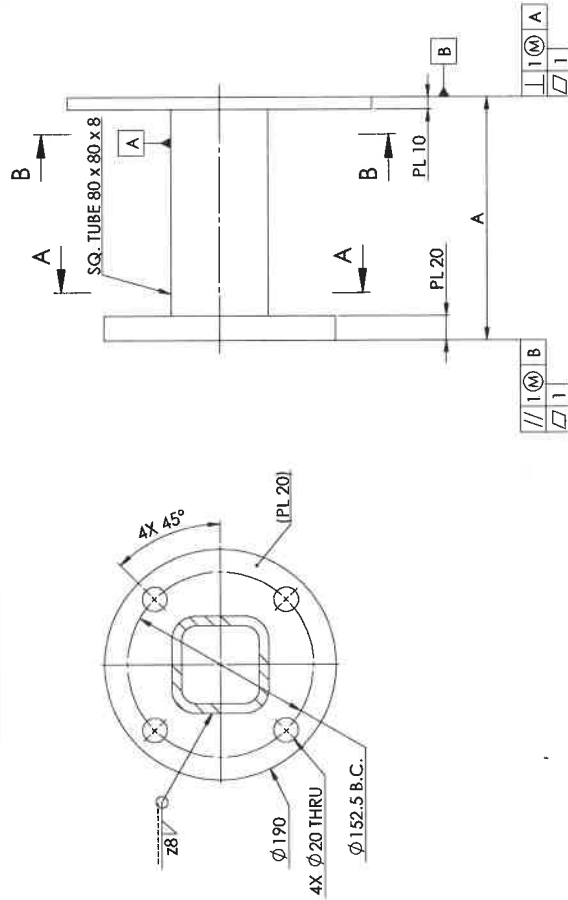
Matl: See Notes	Weight: 17.2 kg	Welds: N/A	Based on: 1000178071	ISO-A
Unless otherwise specified, adhere to General Workshop Instruction No: 100024420	Replacing: N/A	Sheet 2 of 2		
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REF: 1000229896

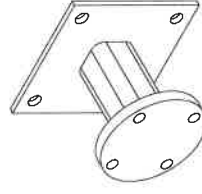
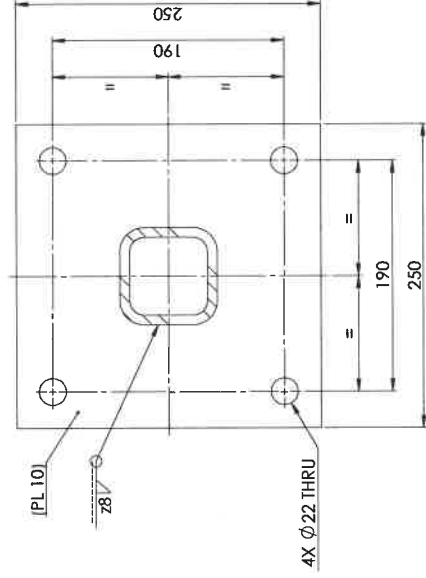
1000438499

Content  
Rev:

SECTION A-A




SECTION B-B



- Notes:

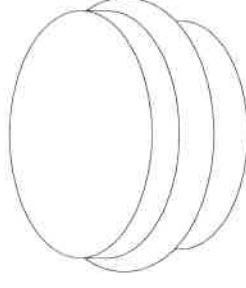
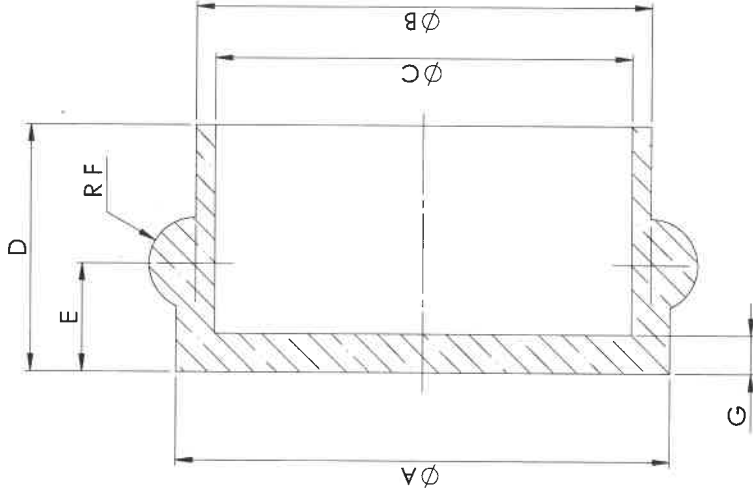
1. All dimensions are in millimeters unless noted otherwise.
2. For general workmanship standards and requirements refer to FLSmith document "WS-1, General Workshop Instruction 1000024420".
3. For workmanship standards and requirements in reference to fabricated metal parts refer to FLSmith document "WS-2, Fabricated Metal & Welded Parts Workmanship Standard 1000024422".
4. Geometric dimensioning and tolerancing to be per ASME Y14.5M-1994.
5. Material: Plate Steel – ASTM A36 / GB 700 Type Q235B or equivalent as approved by FLSmith engineering department.
6. Material: Square Tubing – ASTM A513 / GB 6728 Type Q235B or equivalent as approved by FLSmith engineering department.
7. Material: Elastomer - Neoprene per FLSmith specification 1000150559 or equivalent as approved by FLSmith engineering department.
8. No elastomer lining permitted on bolt holes. All overlaps should be ground flat.
9. All non lining surfaces to be coated with Cosmoline® or equivalent rust preventative during storage and shipping.

[illegible]

<b>Connection spool</b>						
<b>Flotation, Wemco, 250RT</b>						
Mtl.: See Notes	Weight: N/A	Welds: N/A	Based on: 654920/1000229894	BOA 		
Unless otherwise specified, adhere to General Workshop Instruction No. 10002024420			Replacing: N/A	Sheet 1 of 1		
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No:	1000438499			Content Rev:	<b>1 RL</b>	
<b>FLSMIDTH</b>						







PART NO.	BOLT SIZE	A	B	C	D	E	F	G
1000021943	Bolt cap, M12	32	29.5	27	16	7	3	2.5
1000156128	Bolt cap, M16	40	37.5	35	15	7	3	2.5
1000156129	Bolt cap, M20	47	44.5	42	20	10	3	2.5
1000156130	Bolt cap, M24	55	52.5	50	24	10	3	3
1000156131	Bolt cap, M30	70	67.5	62	24	10	3	3

Scale: N/A Detail drawing

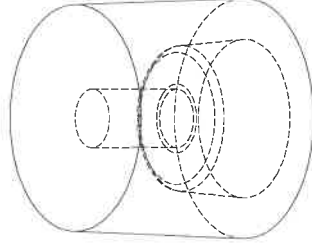
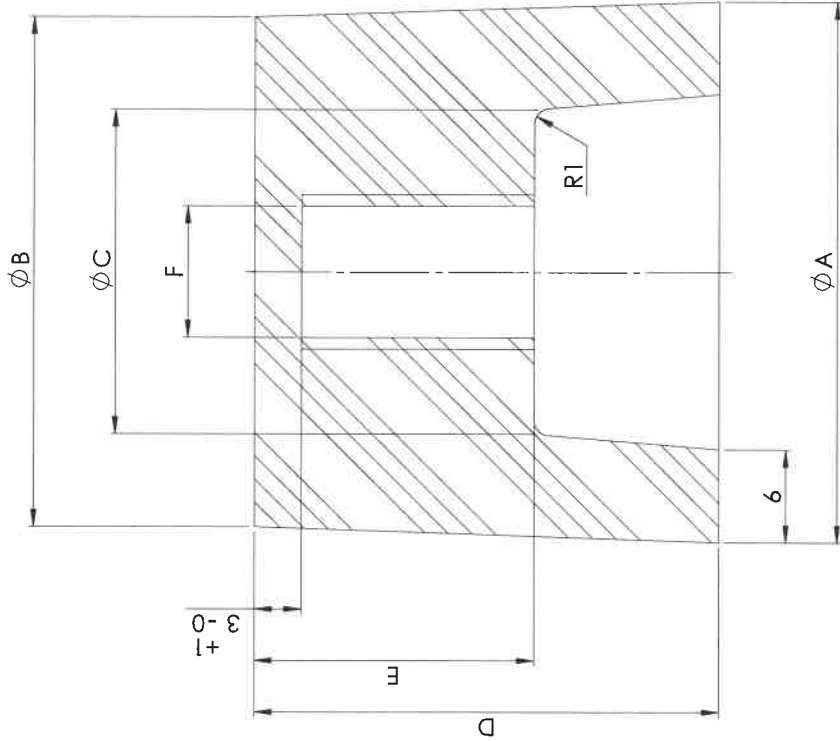
Bolt cap, M12

Notes:

- All dimensions are in millimeters unless noted otherwise.
- Material: Elastomer - Molded Polyurethane per FLSmidth specification 1000193480 or equivalent as approved by FLSmidth engineering department.

Mat.: See Notes	Weight: N/A	Welds:	Based on: N/A	ISO-A
Unless otherwise specified, adhere to General Workshop Instruction No: 1000024420				Sheet 1 of 1
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FLSmidth	No.: 1000152527	Content Rev.: 2
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Part no.	Description	A	B	C	D	E	F	Total Weight (Kg)
1000157379	Cap nut, M10	35	33	21	30	18	M10 x 1.5	0.02
1000157380	Cap nut, M12	40	38	26	35	20	M12 x 1.75	0.04
1000157381	Cap nut, M16	50	48	36	45	26	M16 x 2	0.07
1000157382	Cap nut, M20	55	53	41	50	28	M20 x 2.5	0.09
1000157383	Cap nut, M24	65	63	51	60	33	M24 x 3	0.14
1000157384	Cap nut, M30	75	73	61	70	38	M30 x 3.5	0.21

2	STY-IN	CHBR-US	29-Mar-16	CA-1772: Updated note 3.
1	VILSA	BEG	13-Jan-15	Initial Release
Rev.	Drawn	Appr.	Appr. Date	Zone/Description
Scale:	N/A	Detail drawing	Language	Rev..

Notes:

1. All dimensions are in millimeters unless noted otherwise.
2. For general workmanship standards and requirements refer to FLSmidth document "WS-1, General Workshop Instruction 1000024420".
3. Material: Elastomer per FLSmidth specification 1000193480 or equivalent as approved by FLSmidth engineering department.

FLSMIDTH	No.:	1000157386	Content	Rev.:
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