

FITTING SPECIFICATIONS

Materials

- Carbon steels	Body: 1.0570 Press ring sets: 42CrMo4 (1.7225, 1.7227)
- Stainless steels	Body: 1.4404, 1.4571 Press ring sets: 42CrMo4 (1.7225, 1.7227)

Pipe diameter

(acc. to DIN/EN and ASTM)

- Carbon steels	10.0 – 88.9 mm
- Stainless steels	10.0 – 76.1 mm

Temperatures

-55°C – 400°C (depending on approval)

Pressures

- Carbon steels	up to 630 bar operating pressure
- Stainless steels	up to 260 bar operating pressure

Coating

- Carbon steels	Body and press ring sets: zinc-nickel 6–16 µm
- Stainless steels	Press ring sets: zinc-nickel 6–16 µm

Tubes	EN norms
Welded stainless steel tubes	EN 10217-7 / EN 10296-2
Seamless stainless steel tubes	EN 10216-5 / EN 10297-2
Welded and seamless threaded tubes, medium weight	EN 10255-M / zinc plating EN 10240-A1
Welded and seamless threaded tubes, heavy weight	EN 10255-H / zinc plating EN 10240-A1
Welded construction tubes (railing pipes)	DIN 2615
Welded steel pipes	EN 10217-1
Seamless normal wall tubes	EN 10216-1
Seamless heavy wall tubes	EN 10210 / EN 10216-3 / EN 10297-1
Seamless hot finished steel construction hollow sections	EN 10210
Welded cold finished steel construction hollow sections	EN 20219
Pipelines for gases and combustible liquids up to 16 bar	EN 10208-1
Pipelines for gases and combustible liquids > 16 bar	EN 10208-2
Seamless precision steel tubes	EN 10305-1
Welded, cold-drawn precision steel tubes	EN 10305-2
Welded, specially rolled precision steel tubes	EN 10305-3
Seamless hydraulic pipelines	EN 10305-4

PIPE SPECIFICATIONS

Pipe outside diameter		Wall thickness			
mm	inch (ASME/ASA pipe schedule)	Pipe mm (min.)	Pipe mm (max.) ¹	Pipe mm (max.) ²	Pipe mm (max.) ³
10.0	-				
10.3	1/8"	0.8			
12.0	-				
13.7	1/4"				
15.0	-		1.5	2.0	2.0
16.0	-	1.0			
17.1	3/8"				
17.2	-				
18.0	-				
20.0	-				
21.3	1/2"				
22.0	-				
25.0	-	1.6	2.6	4.0	3.2
26.7	3/4"				
26.9	-				
28.0	-				
30.0	-				
33.4	1"				
33.7	-	1.6	3.6	4.5	3.6
35.0	-				
38.0	-				
42.0	-				
42.2	1 1/4"	1.6	3.6	5.0	4.0
42.4	-				
48.3	1 1/2"				
54.0	-	1.8	4.0	5.0	4.0
60.3	2"	2.0	4.0	5.0	4.0
73.0	2 1/2"	2.0	4.0	5.6	4.5
76.1	-				
88.9	3"	2.0	4.0	5.6	4.5

¹ acc. to type approval shipbuilding for stainless steel pipes

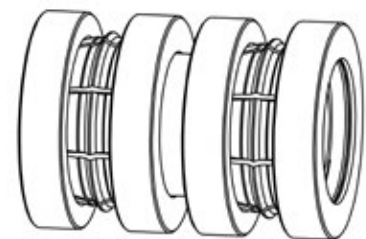
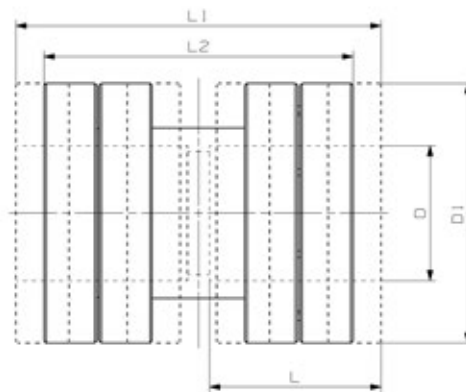
² acc. to type approval shipbuilding for steel pipes with $R_{p_{0.2}} < 350 \text{ N/mm}^2$

³ acc. to type approval shipbuilding for steel pipes with $R_{p_{0.2}} > 350 \text{ N/mm}^2$

STRAIGHT COUPLING WITH INTERNAL STOP

G	D		D1 mm	L mm (-1/+2)	L1 mm (-1/+2)	L2 mm	Weight kg (ca.)			
	inch	metric								
10.0	-	10	30	25.4	64.80	56	0.20			
12.0	-	12	32				0.22			
15.0	-	15	35				0.25			
16.0	-	16	38				0.30			
17.2	3/8"	-	39				0.31			
18.0	-	18	43	0.37						
20.0	-	20	48	33.2	70.30	60	0.54			
21.3	1/2"	-	51				0.62			
22.0	-	22	54				0.68			
25.0	-	25	54				0.69			
26.9	3/4"	-	56				0.70			
28.0	-	28	58	38.5	82.00	70	0.89			
30.0	-	30	59				1.02			
33.7	1"	-	64				1.08			
35.0	-	35	66				1.14			
38.0	-	38	69				1.51			
42.4	1 1/4"	-	75	43.9	93.75	80	1.92			
48.3	1 1/2"	-	82	50.9	108.00	90	2.30			
54.0	-	54	93				2.93			
60.3	2"	-	98				54.7	117.30	100	3.20
73.0	-	73	114				60.8	129.00	110	3.88
76.1	2 1/2"	-					60.5			4.86
88.9	3"	-	126	66.4	140.80	120				

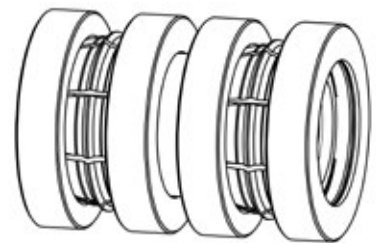
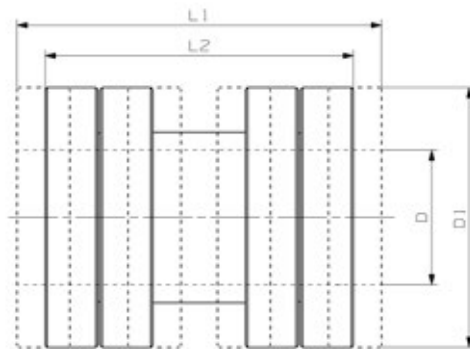
- D Max. pipe diameter
- D1 Diameter of the press ring systems
- L Insertion depth of the pipes
- L1 Unpressed length of the component
- L2 Pressed length of the component



STRAIGHT COUPLING WITHOUT INTERNAL STOP

GS	D		D1 mm	L1 mm (-1/+2)	L2 mm	Weight kg (ca.)		
	inch	metric						
15.0	-	15	35	64.80	56	0.244		
16.0	-	16	38			0.290		
17.2	3/8"	-	39			0.299		
18.0	-	18	43	70.30	60	0.374		
20.0	-	20	48			0.577		
21.3	1/2"	-	51			0.618		
22.0	-	22	54	71.30	61	0.680		
25.0	-	25					56	0.692
26.9	3/4"	-					58	0.700
28.0	-	28	59	82.00	70	0.882		
30.0	-	30	64			1.012		
33.7	1"	-	66			1.068		
35.0	-	35	69	93.75	80	1.136		
38.0	-	38	75			1.486		
42.4	1 1/4"	-	82			1.901		
48.3	1 1/2"	-	93	108.00	90	2.300		
54.0	-	54	98			2.928		
60.3	2"	-	114			3.200		
73.0	-	73	126	140.80	120	4.861		
76.1	2 1/2"	-						
88.9	3"	-						

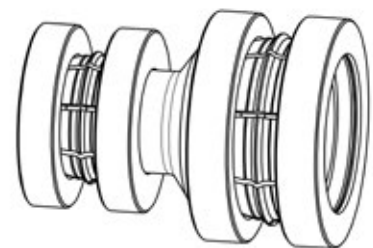
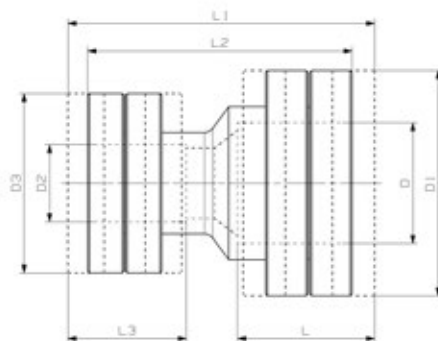
- D Max. pipe diameter
- D1 Diameter of the press ring systems
- L1 Unpressed length of the component
- L2 Pressed length of the component



REDUCING COUPLING

KOR	D	D1 mm	D2		D3 mm	L mm (-1/+2)	L1 mm (-1/+2)	L2 mm	L3 mm (-1/+2)	Weight kg (ca.)				
	inch		KOR	inch										
21.3	1/2"	51	17.2	3/8"	39	33.15	77.55	68.0	25.40	0.488				
22.0	-			-										
26.9	3/4"	56	21.3	3/8"	51	38.50	75.30	65.0	26.15	0.673				
	-			1/2"										
30.0	-	59	16.0	-	38	38.50	87.90	77.5	24.40	0.633				
	-			-										
33.7	-	64	15.0	-	35	38.50	88.40	78.0	25.40	0.689				
	-			-										
	1"			1/2"										
38.0	-	69	16.0	-	38	38.50	87.90	77.5	25.40	0.776				
	-			-										
42.4	1 1/4"	75	21.3	1/2"	51	43.88	97.03	85.0	33.15	1.144				
				-							3/4"			
	-			1"	64				33.7	38.0	69	97.88	38.50	1.334
				-										
48.3	1 1/2"	82	17.2	3/8"	39	43.88	101.28	90.0	25.40	1.235				
				-							1/2"			
	-			3/4"	56				26.9	59	97.03	33.15	1.373	
				1 1/2"										-
	-			-	64				30.0	69	97.88	38.50	1.416	
				-										-
-	1 1/2"	75	42.4	1 1/4"	59	103.75	90.0	43.88	1.520					
	-			-										
60.3	-	98	30.0	-	64	54.65	116.65	102.0	38.50	2.082				
	2"			1"										
	-			-	69				48.3	82	117.53	43.88	2.155	
	2"			1 1/2"										

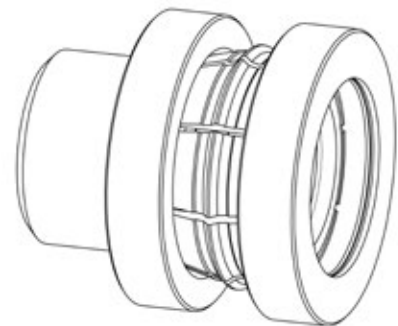
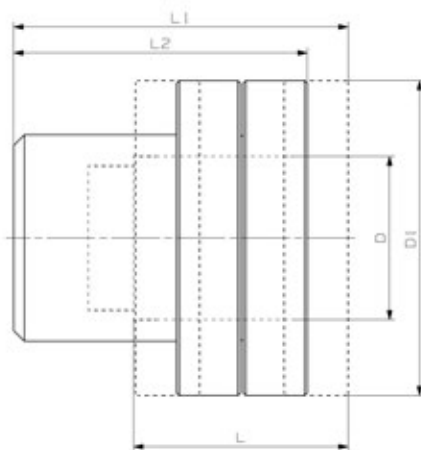
- D/D2 Max. pipe diameter
- D1/D3 Diameter of the press ring systems
- L/L3 Insertion depth of the pipes
- L1 Unpressed length of the component
- L2 Pressed length of the component



END PLUG

BM	D		D1 mm	L mm (-1/+2)	L1 mm (-1/+2)	L2 mm	Weight kg (ca.)
	inch	metric					
12.0	-	12	32	25.4	34.40	30	0.110
15.0	-	15	35				0.133
16.0	-	16	38				0.164
17.2	3/8"	-	39				0.199
18.0	-	18	43	33.2	52.15	47	0.353
20.0	-	20	48				0.385
21.3	1/2"	-	51				0.398
22.0	-	22	54				0.600
25.0	-	25	56				0.679
26.9	3/4"	-	58				0.725
28.0	-	28	59	38.5	61.00	55	0.808
30.0	-	30	64				0.967
33.7	1"	-	66				1.223
35.0	-	35	69				1.695
38.0	-	38	75	43.9	68.88	62	2.054
42.4	1 1/4"	-	82				2.054
48.3	1 1/2"	-	93	50.9	79.00	70	1.695
54.0	-	54	98	54.7	83.65	75	2.054

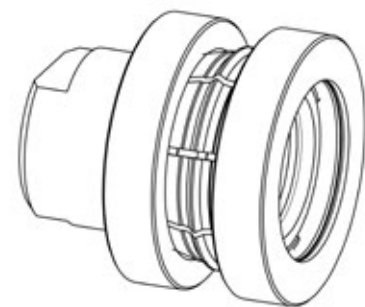
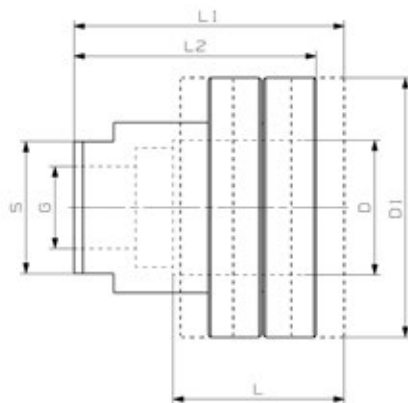
- D Max. pipe diameter
- D1 Diameter of the press ring system
- L Insertion depth of the pipe
- L1 Unpressed length of the component
- L2 Pressed length of the component



PARALLEL FEMALE STUD COUPLING

GAI	D	D1	L	L1	L2	G		S	Weight	
	inch					mm	mm (-1/+2)			mm
18.0	-	43	25.40	44.40	40	3/8"	BSP	24	0.246	
				56.40	52	1/2"		27	0.273	
				70.40	66	1"		46	0.298	
21.3	1/2"	51	33.15	53.15	48	1/2"	BSP	32	0.363	
26.9	3/4"	56		70.15	65	1"	NPT	46	0.709	
30.0	-	59	38.50	61.00	55	3/8"	BSP	30	0.579	
						1/2"				0.569
						3/8"				
33.7	1"	64	38.50	62.00	56	1/2"	NPT	46	0.611	
						3/4"			0.742	
						1"	BSP			0.723
38.0	-	69	38.50	61.00	55	3/8"	BSP	30	0.788	
						1/2"			0.778	
						3/8"				
42.4	1 1/4"	75	43.88	68.88	62	1/2"	BSP	32	0.897	
				71.88	65	1"			1.184	
				1 1/4"	55	1.089				
48.3	1 1/2"	82	43.88	68.88			62	1"	NPT	55
				3/8"	BSP	36	1.073			
				1"						
60.3	2"	98	54.65	83.65	75	3/8"	BSP	32	1.829	
						1/2"				
						3/4"				36
						1"				41
						1 1/4"				55
88.65	80	1 1/2"	60	1.962						
92.65	84	2"	75	2.362						

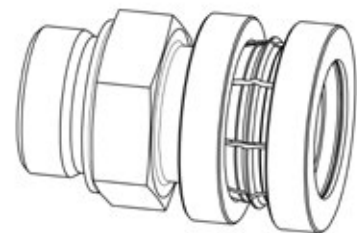
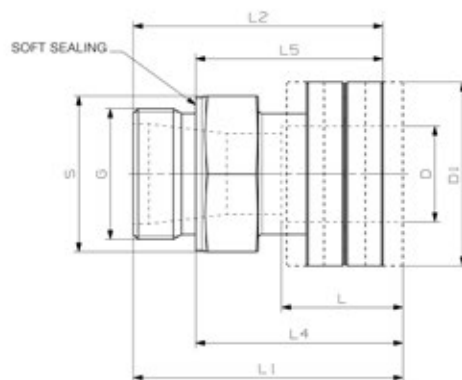
- D Max. pipe diameter
- D1 Diameter of the press ring system
- L Insertion depth of the pipe
- L1 Unpressed length of the component
- L2 Pressed length of the component
- G Thread
- S Width across flats



MALE STUD COUPLING

GE	D		D1 mm	L mm (-2/+2)	L1 mm (-1/+2)	L2 mm	G (BSP) inch	S mm	Weight kg (ca.)
	inch	metric							
12.0	-	12	32	25.40	65.40	61	3/8"	22	0.176
					67.40	63	1/2"	27	0.210
15.0	-	15	35	25.40	65.40	61	3/8"	22	0.187
					67.40	63	1/2"	27	0.221
16.0	-	16	38	25.40	65.40	61	3/8"	24	0.227
					67.40	63	1/2"	27	0.210
17.2	3/8"	-	39	25.40	65.40	61	3/8"	24	0.226
					67.40	63	1/2"	27	0.254
20.0	-	20	48	33.15	72.15	67	3/4"	32	0.416
21.3	1/2"	-	51		70.15	65	1/2"		0.453
					72.15	67	3/4"		0.460
22.0	-	22	51		70.15	65	1/2"		0.453
26.9	3/4"	-	56	33.15	72.15	67	3/4"	36	0.460
					74.15	69	3/4"		0.542
30.0	-	30	59	38.50	81.00	75	3/4"	46	0.755
					83.00	77	1"		0.858
					86.00	80	1 1/4"		1.023
					89.00	83	1 1/2"		0.836
33.7	1"	-	64	38.50	81.00	75	3/4"	46	0.830
					83.00	77	1"		0.897
38.0	-	38	69	38.50	86.00	80	1 1/4"	50	0.852
					81.00	75	3/4"		1.289
42.4	1 1/4"	-	75	43.88	94.88	88	1"	55	1.266
					96.88	90	1 1/4"		1.273
48.3	1 1/2"	-	82	43.88	96.88	90	1 1/2"	60	1.563
							1 1/2"		1.941
60.3	2"	-	98	54.65	108.65	100	1"	50	1.939
							1 1/4"		2.019
							1 1/2"		2.569
76.1	2 1/2"	-	114	60.50	119.50	110	1 1/2"	70	2.906

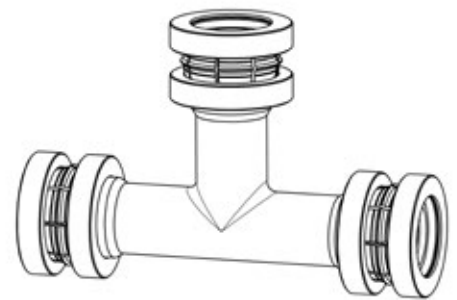
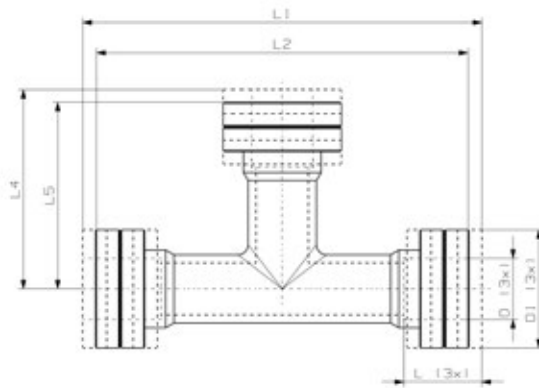
- D Max. pipe diameter
- D1 Diameter of the press ring system
- L Insertion depth of the pipe
- L1 Unpressed length of the component
- L2 Pressed length of the component
- G Thread
- S Width across flats



EQUAL TEE

T	D inch	D1 mm	L mm (-1/+2)	L1 mm (-1/+2)	L2 mm	Weight kg (ca.)
17.2	3/8"	39	25.40	140.80	132	0.59
18.0	-	43		144.80	136	0.73
21.3	1/2"	51	33.15	158.30	148	1.10
26.9	3/4"	56		166.30	156	1.27
30.0	-	59	38.50	202.00	190	1.71
33.7	1"	64				1.93
38.0	-	69	44.50	220.00	208	2.31
42.4	1 1/4"	75	43.88	237.75	224	2.92
48.3	1 1/2"	82		255.75	242	3.77
54.0	-	93	50.90	291.00	282	4.50
60.3	2"	98				5.62
76.1	2 1/2"	114	60.50	335.00	316	7.62
88.9	-	126	66.40	366.80	346	9.85

- D Max. pipe diameter
- D1 Diameter of the press ring systems
- L Insertion depth of the pipes
- L1 Unpressed length of the component
- L2 Pressed length of the component

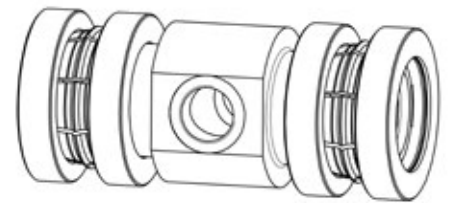
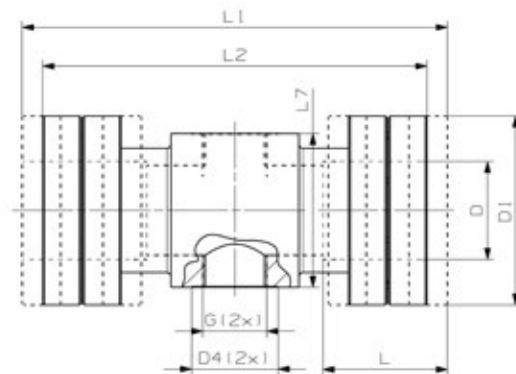


DISTRIBUTION BLOCK

V2	D inch	D1 mm	L mm (-1/+2)	L1 mm (-1/+2)	L2 mm	G inch	Weight kg (ca.)
18.0	-	43	25.40	110.20	102	3/8"	0.825
30.0	-	59	38.50	132.00	120	3/8"	1.308
33.7	1"	64		142.00		130	
			1724	1.777			
38.0	-	69	132.00	120	1/2"	1.716	
42.4	1 1/4"	75	43.88	143.75	130	3/8"	2.244
						1/2"	
48.3	1 1/2"	82				3/4"	2.324
						3/8"	
60.3	2"	98				1/2"	2.658
						3/4"	

The distribution block is available with 1, 2, 4, 6 outlets or with blind end. Please contact us for further information.

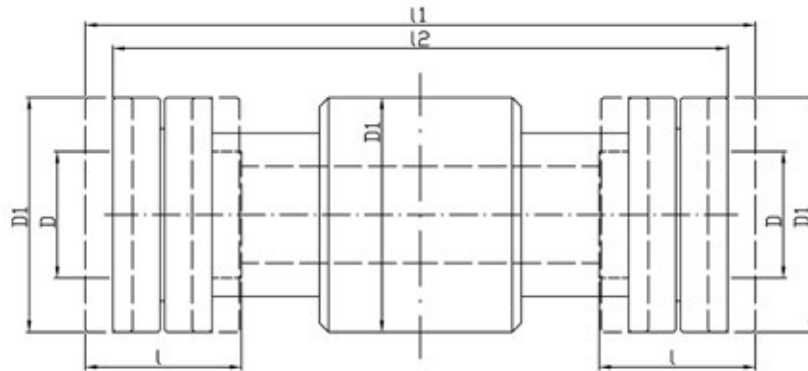
- D Max. pipe diameter
- D1 Diameter of the press ring systems
- L Insertion depth of the pipes
- L1 Unpressed length of the component
- L2 Pressed length of the component
- G Thread



WELDABLE BULKHEAD COUPLING

D		D1	L	L1	L2	Weight
ESV	inch					
16.0	-	38	25.40	114.80	106	0.58
18.0	-	43				0.83
21.3	1/2"	51	33.15	120.30	110	0.65
26.9	3/4"	56				0.92
30.0	-	59	38.50	137.00	125	1.74
33.7	1"	64				1.82
38.0	-	69				2.05
48.3	1 1/2"	82	43.88	143.75	130	3.16

- D Max. pipe diameter
- D1 Diameter of the press ring systems
- L Insertion depth of the pipes
- L1 Unpressed length of the component
- L2 Pressed length of the component

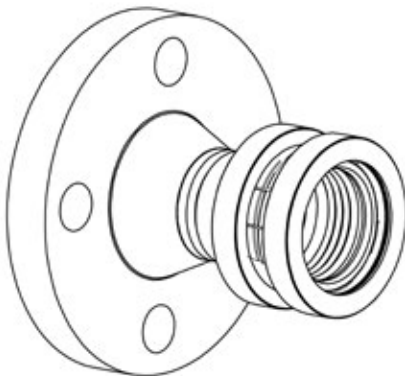


CUSTOMIZED PRODUCTS

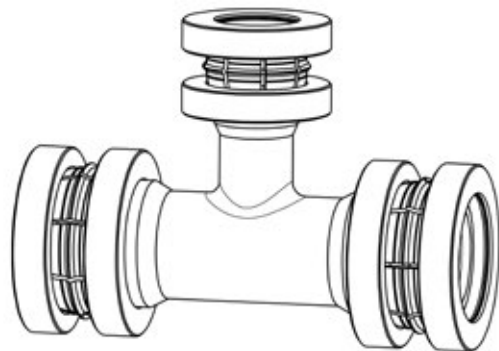
PreFiS-XL products are available in many different dimensions and forms. But we can also customize all products to your special requirements. We can provide you with custom-made products such as reducing tees, flange adapters, bends, distribution blocks with 1, 2, 4, 6 outlets or with blind end.

Please contact us to discuss your requirements.

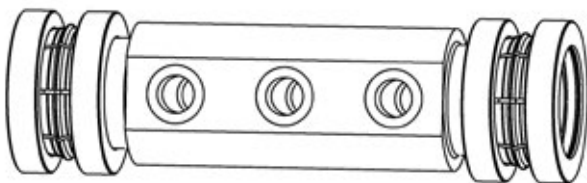
Flange adapter



Reducing tee



Distribution block with 6 outlets



Distribution block with blind end

