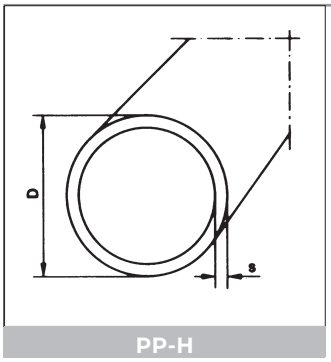
agru buizen tuyaux pipes **PP-H**



PP-H

DRUKBUIS - GRIJS RAL 7032
TUYAUX DE PRESSION - GRIS RAL 7032
PRESSURE PIPE - GREY RAL 7032

S= 1/2 (D/s -1)

Standard Dimension Ratio: SDR = 2 S + 1 = D/s

L = 5 m. andere lengten op aanvraag
Volgens DIN 8077/78 type 1 ; ISO R161/1-1978

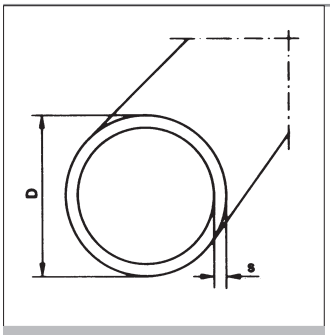
L = 5 m. autres longueurs sur demande
Selon DIN 8077/78 type 1 ; ISO R161/1-1978

L = 5 m. other lengths on request
According to DIN 8077/78 type 1 ; ISO R161/1-1978

D	S 20 SDR 41 PN 2.5			S 16 SDR 33 PN 3.2			S 12.5 SDR 26 PN 4			S 8.3 SDR 17.6 PN 6			S 5 SDR 11 PN 10			S 3.2 SDR 7.4 PN 16		
	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M	S	KG/M	€/M	S	KG/M	€/M	S	KG/M	€/M
12																1.8	0.05	**1.34**
16													1.8	0.08	**1.26**			
20													1.9	0.11	**1.83**			
25													2.3	0.16	**2.57**			
32										1.8	0.17	**2.68**	2.9	0.26	**4.11**			
40							1.8	0.21	**2.74**	2.3	0.27	**3.28**	3.7	0.41	**4.88**			
50							2.0	0.30	**3.84**	2.9	0.42	**5.10**	4.6	0.63	**7.61**			
63							2.5	0.47	**6.02**	3.6	0.66	**7.86**	5.8	1.01	**12.02**			
75				2.3	0.52	**7.48**	2.9	0.64	**8.57**	4.3	0.92	**11.16**	6.8	1.40	**16.98**			
90				2.8	0.76	**10.21**	3.5	0.93	**11.87**	5.1	1.32	**15.76**	8.2	2.02	**24.00**			
110	2.7	0.90	**10.77**	3.4	1.11	**15.65**	4.2	1.36	**17.93**	6.3	1.98	**23.62**	10.0	3.01	**35.73**			
125	3.1	1.17	**14.15**	3.9	1.45	**19.54**	4.8	1.76	**22.50**	7.1	2.54	**30.26**	11.4	3.89	**46.23**			
140	3.5	1.48	**17.54**	4.3	1.78	**24.83**	5.4	2.21	**28.27**	8.0	3.20	**37.90**	12.7	4.87	**58.00**			
160	4.0	1.91	**22.18**	4.9	2.32	**31.93**	6.2	2.89	**36.94**	9.1	4.15	**49.32**	14.6	6.38	**75.62**			
180	4.4	2.36	**28.15**	5.5	2.94	**40.22**	6.9	3.63	**47.37**	10.2	5.22	**62.04**	16.4	8.05	**95.39**			
200	4.9	2.92	**34.66**	6.2	3.65	**49.53**	7.7	4.50	**57.52**	11.4	6.47	**76.86**	18.2	9.92	**117.97**			
225	5.5	3.70	**43.75**	6.9	4.57	**62.57**	8.6	5.65	**72.94**	12.8	8.19	**96.93**	20.5	12.60	**149.30**			
250	6.2	4.59	**53.94**	7.7	5.67	**77.27**	9.6	6.99	**92.07**	14.2	10.10	**119.81**	22.7	15.50	**183.98**			
280	6.9	5.73	**70.97**	8.6	7.09	**96.57**	10.7	8.72	**111.41**	15.9	12.60	**149.30**	25.4	19.40	**230.21**			
315	7.7	7.19	**85.10**	9.7	8.97	**122.08**	12.1	11.10	**143.29**	17.9	16.00	**189.79**	28.6	24.60	**291.58**			
355	8.7	9.14	**108.13**	10.9	11.30	**155.31**	13.6	14.00	**178.92**	20.1	20.20	**239.53**						
400	9.8	11.60	**145.23**	12.3	14.40	**194.83**	15.3	17.70	**228.93**	22.7	25.70	**304.87**						
450	11.0	14.60	**183.11**	13.8	18.20	**254.81**	17.2	22.40	**289.71**	25.5	32.50	**402.20**						
500	12.3	18.10	**226.98**	15.3	22.30	**312.95**	19.1	27.60	**358.15**	28.3	40.10	**496.22**						
560	13.7	22.60	**277.24**	17.2	28.10	**390.63**	21.4	34.60	**442.14**	31.7	50.30	**622.42**						
630	15.4	28.50	**348.75**	19.3	35.50	**479.96**	24.1	43.90	**560.94**	35.7	63.70	**788.26**						
710	17.4	36.30	**628.47**	21.8	45.20	**793.73**	27.2	55.80	**1174.59**									
800	19.6	46.10	**795.98**	24.5	57.20	**1003.01**	30.6	70.80	**1251.09**									
900	22.0	58.20	**1076.51**	27.6	72.50	**1457.30**	34.4	89.40	**1560.00**									
1000	24.5	72.00	**1331.75**	30.6	89.20	**1781.57**	38.2	110.00	**1919.47**									
1200	29.4	103.00	**2009.87**	36.7	128.00	**2680.55**												
1400	34.3	141.00	**2885.10**															

VINK

agru buizen tuyaux pipes **PP-R**



PP-R

DRUKBUIS - GRIJS RAL 7032
TUYAUX DE PRESSION - GRIS RAL 7032
PRESSURE PIPE - GREY RAL 7032

S= 1/2 (D/s -1)

Standard Dimension Ratio: SDR = 2 S + 1 = D/s

L = 5 m. andere lengten op aanvraag
Volgens DIN 8077/78 type 1 ; ISO R161/1-1978

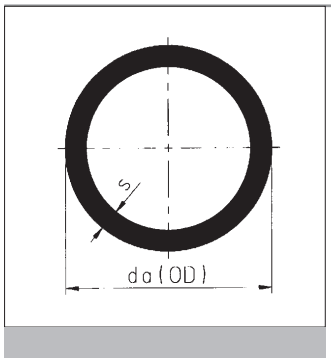
L = 5 m. autres longueurs sur demande
Selon DIN 8077/78 type 1 ; ISO R161/1-1978

L = 5 m. other lengths on request
According to DIN 8077/78 type 1 ; ISO R161/1-1978

D	S 8.3 SDR 17.6 PN 6			S 5 SDR 11 PN 10			S 3.2 SDR 7.4 PN 16		
	S	KG/M	€/M	S	KG/M	€/M	S	KG/M	€/M
20				1.9	0.11	**1.83**	2.8	0.15	**2.34**
25				2.3	0.16	**2.66**	3.5	0.23	**3.60**
32	1.9	0.171	**2.83**	2.9	0.26	**4.29**	4.4	0.37	**5.77**
40	2.3	0.273	**3.46**	3.7	0.41	**5.19**	5.5	0.58	**7.96**
50	2.9	0.422	**5.33**	4.6	0.64	**8.08**	6.9	0.90	**12.01**
63	3.6	0.659	**8.34**	5.8	1.01	**12.72**	8.6	1.41	**19.19**
75	4.3	0.936	**11.85**	6.8	1.40	**17.64**	10.3	2.00	**26.67**
90	5.1	1.320	**16.70**	8.2	2.03	**25.57**	12.3	2.86	**38.14**
110	6.3	1.980	**25.05**	10.0	3.01	**37.92**	15.1	4.29	**57.21**
125	7.1	2.540	**32.13**	11.4	3.91	**49.27**	17.1	5.52	**73.62**
140	8.0	3.200	**40.48**	12.7	4.87	**61.37**	19.2	6.95	**92.69**
160	9.1	4.150	**52.49**	14.6	6.39	**80.52**	21.9	9.04	**120.56**
180	10.2	5.220	**66.02**	16.4	8.07	**101.68**			
200	11.4	6.470	**81.84**	18.2	9.95	**125.37**			
225	12.8	8.190	**103.59**	20.5	12.59	**158.63**			
250	14.2	10.100	**127.76**	22.7	15.48	**195.02**			
280	15.9	12.600	**159.36**	25.4	19.40	**244.42**			
315	17.9	16.000	**202.38**	28.6	24.55	**309.32**			
355				32.2	31.10	**391.81**			
400				36.3	39.50	**497.66**			
450				40.9	50.10	**652.54**			
500				45.4	61.80	**804.92**			
710	40.2	80.700	**1285.95**						
800	45.3	103.000	**1641.30**						

agru buizen tuyaux pipes

PP-R - LINER



DRUKBUIS
TUYAU DE PRESSION
PRESSURE PIPE

GRIJS. ZONDER VOORBEHANDELING
GRIS . SANS TRAITEMENT
GREY. WITHOUT PRE-TREATMENT

L = 5.2 m
SDR 9

da	s	KG/M	€/M
32	3.6	0.31	**4.64**

L = 6.2 m
SDR 11

da	s	KG/M	€/M
40	3.7	0.41	**5.93**
50	4.6	0.64	**9.19**
63	5.8	1.01	**14.57**

SDR 17.6

da	s	KG/M	€/M
75	4.5	0.97	**14.05**
90	5.1	1.32	**18.62**
110	6.3	1.98	**27.86**

SDR 26

da	s	KG/M	€/M
125	4.8	1.77	**24.70**

SDR 33

da	s	KG/M	€/M
160	4.9	2.32	**32.49**

SDR 41

da	s	KG/M	€/M
200	4.9	2.92	**40.85**
250	6.2	4.59	**64.80**

Ventilatie / ventilation

da	s	KG/M	€/M
315	5.0	4.47	**68.34**
355	6.0	6.38	**92.01**
400	6.0	7.20	**103.82**
500	8.0	11.90	**176.65**

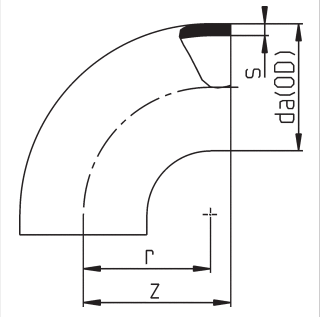
Fittingen : zie hoofdstuk I-PP
Raccords: voir chapitre I-PP
Fittings : see chapter I-PP

VINK

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



GAS

BOCHTEN 90°
COURBES A 90°
BENDS 90°

Gespoten.
Injectés.
Moulded.

SDR 33 / ISO S-16

da	r	z	s	KG/ST/PC	€/ST/PC
110	110	120	3.4	0.252	**24.57**
125	125	140	3.9	0.333	**27.69**
140	140	150	4.3	0.461	**35.80**
160	155	180	4.9	0.740	**46.76**
180	180	200	5.5	0.999	**56.98**
200	200	220	6.2	1.320	**70.85**
225	225	245	6.9	1.810	**87.21**
250	265	290	7.7	2.740	**110.82**
280	260	290	8.6	3.600	**137.04**
315	300	340	9.7	5.000	**194.49**
355	300	340	10.9	6.360	**451.99**
400	300	345	12.3	8.120	**632.14**
450	400	445	13.8	14.180	**851.60**
500	400	445	15.3	17.560	**1186.96**

***SDR 17 / ISO S-8**

da	r	z	s	KG/ST/PC	€/ST/PC
250	265	285	14.8	4.96	**180.85**
280	265	290	16.6	6.20	**235.08**
315	300	335	18.7	9.42	**324.73**
355	300	340	21.1	11.60	**514.57**
400	300	340	23.7	14.48	**716.57**
450	400	445	26.7	24.24	**936.73**
500	400	445	29.7	30.32	**1286.11**

*** op aanvraag / sur demand / onrequest :** da 20-225 mm

***SDR 11 / ISO S-5**

da	r	z	s	KG/ST/PC	€/ST/PC
250	265	290	22.7	7.44	**266.02**
280	265	290	25.4	8.92	**345.86**
315	300	340	28.6	13.54	**477.46**
355	300	340	32.2	17.36	**698.41**
400	300	345	36.3	22.00	**959.08**
450	400	445	40.9	35.56	**1258.49**
500	400	449	45.4	44.46	**1623.46**

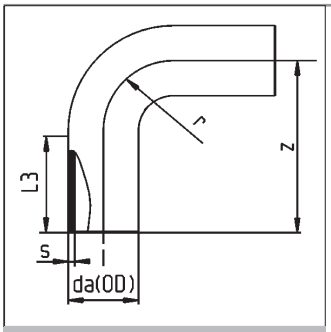
*** op aanvraag / sur demand / onrequest :** da 20-225 mm

PPH op aanvraag / sur demande / on request

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



SAS

MULTI-BOCHTEN 90°
MULTI-COURBES A 90°
MULTI-BENDS 90°

Gespoten.
Injectés.
Moulded.

SDR 17 / ISO S-8

da	L3	r	z	s	KG/ST/PC	€/ST/PC
63	66.5	63	129.5	3.8	0.184	**7.70**
75	75.0	75	150.0	4.5	0.290	**11.28**
90	76.0	90	168.0	5.4	0.477	**14.70**
110	82.0	110	192.0	6.6	0.776	**30.99**
125	92.0	125	218.0	7.4	1.140	**39.33**
140	100.0	140	241.0	8.3	1.580	**57.16**
160	100.5	160	261.5	9.5	2.260	**63.05**
180	109.0	180	290.5	10.7	3.080	**77.94**
200	118.5	200	318.5	11.9	4.030	**96.53**
225	125.0	225	353.0	13.4	5.820	**130.88**
250	135.0	250	389.0	14.8	7.040	**272.71**
280	146.0	280	429.0	16.6	9.800	**397.39**
315	158.0	315	475.0	18.7	14.000	**495.39**

SDR 11 / ISO S-5

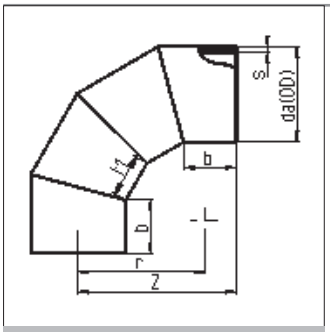
da	L3	r	z	s	KG/ST/PC	€/ST/PC
20	40.0	20	60.0	1.9	0.014	**3.32**
25	42.5	25	68.5	2.3	0.023	**3.46**
32	47.0	32	79.0	2.9	0.041	**3.58**
40	52.0	40	92.5	3.7	0.073	**4.63**
50	58.5	50	108.5	4.6	0.131	**5.82**
63	66.5	63	129.5	5.8	0.254	**8.36**
75	75.0	75	150.0	6.8	0.401	**11.53**
90	76.0	90	168.0	8.2	0.655	**16.69**
110	82.0	110	192.0	10.0	1.095	**31.77**
125	92.0	125	218.0	11.4	1.660	**44.77**
140	100.0	140	241.0	12.7	2.240	**59.86**
160	100.5	160	261.5	14.6	3.160	**80.25**
180	109.0	180	290.5	16.4	4.340	**94.99**
200	118.5	200	318.5	18.2	5.800	**141.54**
225	125.0	225	353.0	20.5	8.040	**176.49**
250	135.0	250	389.0	22.7	10.400	**323.01**
280	146.0	280	429.0	25.4	14.220	**466.76**
315	158.0	315	475.0	28.6	19.820	**579.78**

PPH op aanvraag / sur demande / on request

agru

stomplasfittings. gesegmenteerd
raccords pour le soudage bout à bout. segmentés
fittings for butt welding. segmented

PP



90°

BOCHTEN 90°
COURBES A 90°
BENDS 90°

Veiligheidsfactor x 0.8
Facteur de sécurité x 0.8
Security factor x 0.8

SDR 41 / ISO S-20

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	13.7	840	350	300	1040	600	500	36.4	**1777.33**
630	15.4	945	350	338	1126	675	519	47.6	**2133.41**
710	17.4	1.065	400	380	1275	761	590	71.6	**2603.43**
800	19.6	1.200	400	429	1385	857	614	106.0	**3143.47**
900	22.0	1.350	400	482	1509	965	641	141.0	**4198.90**
1000	24.5	1.500	500	536	1732	1072	768	180.0	**5330.51**
1200	29.4	1.800	500	643	1978	1286	822	275.0	**7747.51**

SDR 33 / ISO S-16

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	17.2	840	350	300	1040	600	500	45.3	**2123.68**
630	19.3	945	350	338	1126	675	519	59.3	**2607.48**
710	21.8	1.065	400	380	1275	761	590	89.1	**3205.78**
800	24.5	1.200	400	429	1385	857	614	131.0	**3928.63**
900	27.6	1.350	400	482	1509	965	641	176.0	**5184.90**
1000	30.6	1.500	500	536	1732	1072	768	223.0	**6547.62**
1200	36.7	1.800	500	643	1978	1286	822	341.0	**9471.45**

SDR 26 / ISO S-12.5

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	21.4	840	350	300	1040	600	500	55.8	**2611.43**
630	24.1	945	350	338	1126	675	519	73.3	**3134.98**
710	27.2	1065	400	380	1275	761	590	110.0	**3831.22**
800	30.6	1200	400	429	1385	857	614	162.0	**4678.89**
900	34.4	1350	400	482	1509	965	641	217.0	**6269.99**
1000	38.2	1500	500	536	1732	1072	768	275.0	**8043.46**

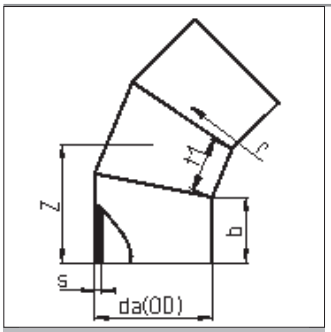
SDR 17.6 / ISO S-8.3

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	31.7	840	350	300	1040	600	500	81.1	**3861.90**
630	35.7	945	350	338	1126	675	519	106.0	**4691.86**
710	40.2	1065	400	380	1275	761	590	159.0	**5791.29**
800	45.3	1200	400	429	1385	857	614	241.0	**7119.60**

agru

stomplasfittings. gesegmenteerd
raccords pour le soudage bout à bout. segmentés
fittings for butt welding. segmented

PP



45°

BOCHTEN 45°
COURBES A 45°
BENDS 45°

Veiligheidsfactor x 0.8
Facteur de sécurité x 0.8
Security factor x 0.8

SDR 41 / ISO S-20

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	13.7	883	350	223.0	587	445	461	26.4	**1178.97**
630	15.4	918	350	251.0	616	501	475	34.9	**1401.78**
710	17.4	1110	400	282.5	700	565	541	53.2	**1708.51**
800	19.6	1155	400	318.3	738	637	559	70.8	**2034.55**
900	22.0	1330	400	358.0	780	716	579	99.3	**2678.97**
1000	24.5	1380	500	398.0	923	796	699	126.0	**3428.10**
1200	29.4	1480	500	477.5	1007	955	739	188.0	**4840.91**

SDR 33 / ISO S-16

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	17.2	883	350	223.0	587	445	461	32.8	**1408.41**
630	19.3	918	350	251.0	616	501	475	43.4	**1712.83**
710	21.8	1110	400	282.5	700	565	541	66.2	**2103.49**
800	24.5	1155	400	318.3	738	637	559	87.9	**2543.31**
900	27.6	1330	400	358.0	780	716	579	124.0	**3306.71**
1000	30.6	1380	500	398.0	923	796	699	156.0	**4209.44**
1200	36.7	1800	500	477.5	1007	955	739	234.0	**5912.83**

SDR 26 / ISO S-12.5

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	21.4	883	350	223.0	587	445	461	40.4	**1731.87**
630	24.1	918	350	251.0	616	501	475	53.7	**2058.49**
710	27.2	1110	400	282.5	700	565	541	81.7	**2512.50**
800	30.6	1155	400	318.3	738	637	559	109.0	**3025.52**
900	34.4	1330	400	358.0	780	716	579	153.0	**3994.80**
1000	38.2	1380	500	398.0	923	796	699	192.0	**5169.67**

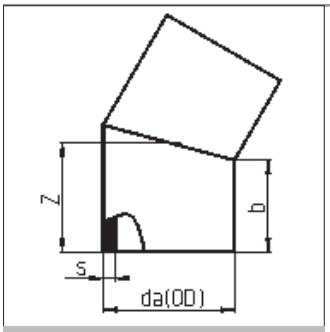
SDR 17.6 / ISO S-8.3

da	s	r	b	t1	z	t	t2	KG/ST/PC	€/ST/PC
560	31.7	883	350	223.0	587	445	461	58.8	**2560.87**
630	35.7	918	350	251.0	616	501	475	77.9	**3080.22**
710	40.2	1110	400	282.5	700	565	541	118.0	**3797.97**
800	47.4	1200	400	318.3	738	637	559	158.0	**4604.69**

agru

stomplasfittings. gesegmenteerd
raccords pour le soudage bout à bout. segmentés
fittings for butt welding. segmented

PP



30°

BOCHTEN 30°
COURBES A 30°
BENDS 30°

Veiligheidsfactor x 0.8
Facteur de sécurité x 0.8
Security factor x 0.8

SDR 41 / ISO S-20

da	s	b	z	t	KG/ST/PC	€/ST/PC
560	13.7	350	425	500	18.8	**680.44**
630	15.4	350	434	519	24.2	**812.29**
710	17.4	400	495	590	35.9	**1016.15**
800	19.6	400	507	614	56.0	**1214.63**
900	22.0	400	521	641	72.1	**1598.68**
1000	24.5	500	634	768	91.0	**2130.18**
1200	29.4	500	661	822	136.0	**2979.11**

SDR 33 / ISO S-16

da	s	b	z	t	KG/ST/PC	€/ST/PC
560	17.2	350	425	500	23.3	**817.59**
630	19.3	350	434	519	30.1	**994.88**
710	21.8	400	495	590	44.7	**1252.78**
800	24.5	400	507	614	69.4	**1516.46**
900	27.6	400	500	641	90.0	**1976.28**
1000	30.6	500	634	768	113.0	**2620.47**
1200	36.7	500	661	822	169.0	**3648.38**

SDR 26 / ISO S-12.5

da	s	b	z	t	KG/ST/PC	€/ST/PC
560	21.4	350	425	500	28.7	**1005.63**
630	24.1	350	434	519	37.3	**1200.51**
710	27.2	400	495	590	55.2	**1505.02**
800	30.6	400	507	614	86.0	**1815.65**
900	34.4	400	521	641	215.0	**2396.34**
1000	38.2	500	634	768	277.0	**3223.18**

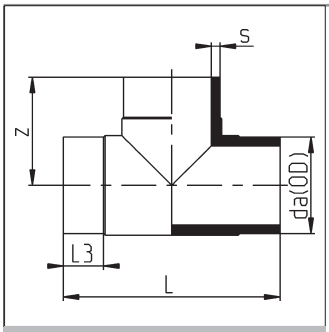
SDR 17.6 / ISO S-8.3

da	s	b	z	t	KG/ST/PC	€/ST/PC
560	31.7	350	425	500	41.7	**1491.77**
630	35.7	350	434	519	54.1	**1799.19**
710	40.2	400	495	590	79.9	**2274.57**
800	47.4	400	507	614	177.0	**2760.23**

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



TAS

T-STUKKEN 90°
TES A 90°
TEES 90°

Gespoten.
Injectés.
Moulded.

SDR 33 / ISO S-16

da	L	L3	z	s	KG/ST/PC	€/ST/PC
110	223	33	109	3.4	0.443	**29.05**
125	230	40	115	3.9	0.492	**35.52**
140	253	25	125	4.3	1.020	**39.61**
160	346	57	173	4.9	1.680	**66.12**
180	372	57	186	5.5	2.360	**90.13**
200	410	57	205	6.2	3.200	**120.93**
225	448	57	222	6.9	4.260	**181.41**
250	475	70	237	7.7	6.100	**280.53**
280	540	80	270	8.6	8.200	**356.86**
315	558	80	277	9.7	9.640	**450.53**
355	691	100	346	10.9	16.080	**630.85**
400	710	104	355	12.3	18.580	**924.91**
450	900	130	450	13.8	30.740	**1248.71**
500	895	130	450	15.3	33.660	**1621.04**

SDR 17 / ISO S-8

da	L	L3	z	s	KG/ST/PC	€/ST/PC
63	145	25.0	72.0	3.8	0.170	**7.90**
75	150	16.0	75.0	4.5	0.311	**16.09**
90	212	38.0	107.0	5.4	0.518	**22.96**
110	251	50.5	121.0	6.6	0.897	**38.12**
125	280	50.0	140.0	7.4	1.240	**52.82**
140	304	54.0	150.0	8.3	1.720	**62.35**
160	346	57.0	173.0	9.5	2.440	**117.21**
180	372	57.0	186.0	10.7	3.420	**143.96**
200	405	57.0	202.5	11.9	4.520	**196.61**
225	445	57.0	222.5	13.4	6.320	**230.82**
250	470	70.0	235.0	14.8	8.280	**306.32**
280	543	80.0	272.0	16.6	12.040	**346.21**
315	550	80.0	275.0	18.7	14.380	**460.50**
355	680	104.0	340.0	21.1	22.900	**692.43**
400	705	106.0	352.5	23.7	27.740	**946.39**
450	895	134.0	450.0	26.7	45.100	**1447.66**
500	900	130.0	450.0	29.7	51.080	**1693.99**

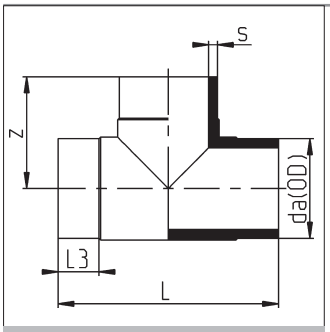
PPH op aanvraag / sur demande / on request

VINK

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



TAS

T-STUKKEN 90°
TES A 90°
TEES 90°

Gespoten.
Injectés.
Moulded.

SDR 11 / ISO S-5

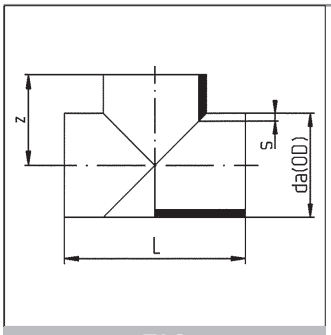
da	L	L3	z	s	KG/ST/PC	€/ST/PC
20	68	17.5	34.0	1.9	0.011	**2.43**
25	80	20.5	40.0	2.3	0.021	**2.43**
32	90	20.5	45.0	2.9	0.037	**3.06**
40	100	20.5	50.0	3.7	0.060	**4.84**
50	120	23.0	60.0	4.6	0.114	**6.54**
63	144	25.0	72.0	5.8	0.220	**10.13**
75	152	15.0	75.0	6.8	0.386	**20.43**
90	213	38.0	105.0	8.2	0.680	**30.52**
110	253	51.0	122.0	10.0	1.180	**44.81**
125	280	52.0	140.0	11.4	1.700	**61.70**
140	305	53.0	152.0	12.7	2.380	**78.20**
160	346	57.0	173.0	14.6	3.300	**131.51**
180	372	57.0	186.0	16.4	4.380	**168.54**
200	405	57.0	202.5	18.2	6.060	**241.52**
225	445	57.0	222.5	20.5	8.200	**287.26**
250	470	72.0	235.0	22.7	10.860	**365.44**
280	540	80.0	270.0	25.4	15.600	**494.08**
315	550	80.0	275.0	28.6	18.920	**702.45**
355	690	105.0	345.0	32.2	30.640	**902.30**
400	700	103.0	355.0	36.3	37.960	**1225.97**
450	900	130.0	450.0	40.9	63.000	**1780.32**
500	900	130.0	450.0	45.4	71.000	**2274.89**

PPH op aanvraag / sur demande / on request

agru

stomplasfittings. gesegmenteerd
raccords pour le soudage bout à bout. segmentés
fittings for butt welding. segmented

PP



TAS

T-STUKKEN 90°
TES A 90°
TEES 90°

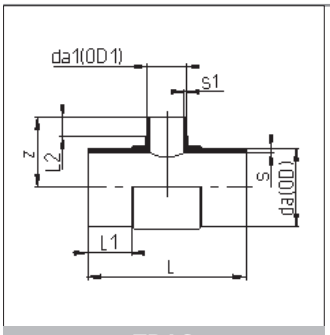
Veiligheidsfactor x 0.5
Facteur de sécurité x 0.5
Security factor x 0.5

da	SDR 26 / ISO S-12.5					SDR 17.6 / ISO S-8.3				
	s	z	L	KG ST/PC	€ ST/PC	s	z	L	KG ST/PC	€ ST/PC
560	21.4	540	1080	46.90	**2579.60**	31.7	540	1080	68.20	**3868.59**
630	24.1	615	1230	67.80	**3195.47**	35.7	615	1230	98.40	**4829.78**
710	27.2	655	1310	90.70	**3888.70**	40.2	655	1310	131.00	**5897.91**
800	30.6	700	1400	149.00	**4794.50**	47.4	700	1400	177.00	**7318.61**
900	38.2	1000	2000	215.00	**7230.74**					
1000	30.6	700	1400	277.00	**8936.55**					

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



TRAS

VERLOOP T-STUKKEN 90°
TES REDUITS A 90°
TEES 90° REDUCING

Gespoten.
Injectés.
Moulded.

SDR 17 / ISO S-8

da/da1	s	z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
140/ 63	8.3	120	302	86	32	3.8	1.31	**66.35**
140/ 75	8.3	130	300	86	35	4.5	1.40	**66.64**
140/ 90	8.3	139	300	86	42	5.4	1.32	**67.76**
140/110	8.3	139	300	50	53	6.6	1.64	**69.14**
160/125	9.5	150	315	62	48	7.4	2.04	**128.90**
180/ 63	10.7	139	358	130	32	3.8	2.06	**153.05**
180/ 75	10.7	140	360	120	31	4.5	2.10	**153.05**
180/110	10.7	160	365	106	48	6.6	2.16	**157.74**
180/125	10.7	164	365	99	52	7.4	2.24	**157.74**
225/125	13.4	180	445	140	45	7.4	4.19	**250.85**

SDR 11 / ISO S-5

da/da1	s	z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
63/ 32	5.8	70	130	18	18	2.9	0.180	**23.61**
90/ 32	8.2	85	213	57	23	2.9	0.562	**32.33**
90/ 50	8.2	90	213	57	27	4.6	0.563	**33.22**
110/ 32	10.0	94	244	70	23	2.9	0.906	**48.68**
110/ 50	10.0	103	240	70	27	4.6	0.945	**48.68**
125/ 63	11.4	112	280	76	31	5.8	1.400	**68.11**
140/ 63	12.7	120	302	87	32	5.8	1.800	**85.47**
140/ 75	12.7	130	305	54	35	6.8	1.920	**85.47**
140/ 90	12.7	130	305	88	42	8.2	1.840	**86.87**
140/110	12.7	141	305	54	47	10.0	2.180	**86.87**
160/125	14.6	158	335	62	52	11.4	2.720	**144.15**
180/ 63	16.4	144	367	134	32	5.8	3.040	**178.95**
180/ 75	16.4	148	366	123	31	6.8	3.100	**178.95**
180/125	16.4	166	366	100	52	11.4	3.280	**184.70**
225/125	20.5	178	456	143	45	11.4	6.120	**311.57**

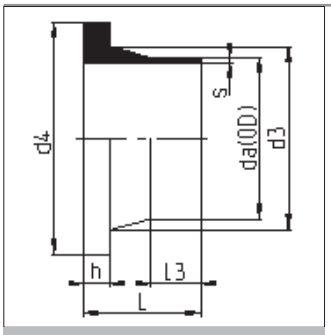
Grotere diameters t.e.m. 630 mm op aanvraag.
Diamètres plus large jusqu'à 630 mm sur demande.
Larger diameters up to 630 mm on request.

PPH op aanvraag / sur demande / on request

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



QAS

VOORLASKRAGEN
COLLETS
STUBS

Gespoten
Injectés
Moulded

PPH : op aanvraag / sur demande / on request

SDR 33 / ISO S-16

da	s	L	L3	d3	d4	h	KG/ST/PC	€/ST/PC
110	3.4	80	31.0	125	158	18	0.276	**12.90**
125	3.9	80	38.0	132	158	18	0.282	**15.87**
140	4.3	80	24.0	155	188	18	0.410	**18.41**
160	4.9	80	28.5	175	212	18	0.520	**22.79**
180	5.5	95	55.0	183	212	18	0.450	**33.31**
200	6.2	113	53.0	232	268	18	1.040	**40.93**
225	6.9	113	65.0	235	268	18	0.820	**44.82**
250	7.7	132	70.0	285	320	20	1.730	**63.25**
280	8.6	128	70.0	288	320	20	1.430	**68.23**
315	9.7	136	68.0	335	370	20	2.080	**81.69**
355	10.9	150	75.0	373	430	23	2.920	**139.76**
400	12.3	155	75.0	427	482	26	3.980	**290.32**
450	13.8	168	73.0	514	585	33	7.820	**339.99**
500	15.3	175	81.0	530	585	33	6.960	**412.94**
560	17.2	120	25.0	615	685	35	8.750	**488.63**
630	19.3	184	89.0	642	685	35	8.460	**562.80**

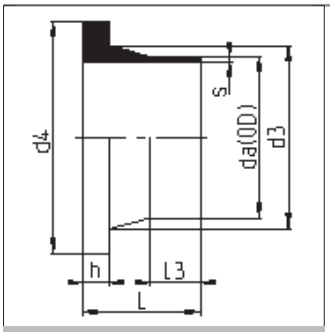
SDR 17 / ISO S-8

da	s	L	L3	d3	d4	h	KG/ST/PC	€/ST/PC
63	3.8	50	20.0	75	102	14	0.107	**5.27**
75	4.5	50	16.5	89	122	16	0.166	**6.21**
90	5.4	82	40.0	105	138	17	0.274	**9.10**
110	6.6	80	34.0	125	158	18	0.359	**11.57**
125	7.4	84	46.0	132	158	18	0.343	**14.23**
140	8.3	92	39.0	155	188	18	0.550	**16.51**
160	9.5	92	42.0	175	212	18	0.696	**20.43**
180	10.7	92	53.0	183	212	20	0.687	**29.85**
200	11.9	110	46.0	232	268	24	1.460	**37.27**
225	13.4	113	60.0	235	268	24	1.380	**41.80**
250	14.8	132	64.0	285	320	25	2.440	**59.72**
280	16.6	128	70.0	288	320	25	2.240	**65.60**
315	18.7	136	68.5	335	370	25	3.140	**80.11**
355	21.1	150	79.0	373	430	30	4.480	**137.27**
400	23.7	155	75.0	427	482	33	5.980	**277.40**
450	26.7	170	74.0	514	585	46	11.340	**326.92**
500	29.7	175	83.0	530	585	46	10.640	**403.03**
560	33.2	120	32.0	615	685	50	12.310	**482.43**
630	37.4	180	122.0	642	685	50	14.720	**558.71**

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



QAS

VOORLASKRAGEN
COLLETS
STUBS

Gespoten
Injectés
Moulded

PPH : op aanvraag / sur demande / on request

SDR 11 / ISO S-5

da	s	L	L3	d3	d4	h	KG/ST/PC	€/ST/PC
20	1.9	52.0	30.0	27	45	7	0.014	**2.73**
25	2.3	52.0	25.0	33	58	9	0.027	**2.73**
32	2.9	50.0	25.0	40	68	10	0.040	**3.21**
40	3.7	52.0	24.0	50	78	11	0.061	**3.83**
50	4.6	53.0	22.0	61	88	12	0.086	**4.72**
63	5.8	50.0	20.0	75	102	14	0.122	**5.87**
75	6.8	50.5	18.0	89	122	16	0.187	**6.96**
90	8.2	82.0	40.0	105	138	17	0.322	**9.94**
110	10	82.0	35.5	125	158	18	0.442	**12.78**
125	11.4	82.0	38.0	132	158	25	0.491	**15.43**
140	12.7	92.0	37.0	155	188	25	0.757	**19.79**
160	14.6	92.0	38.0	175	212	25	0.956	**24.97**
180	16.4	93.0	43.0	183	212	30	1.000	**35.21**
200	18.2	114.0	40.0	232	268	32	2.040	**49.68**
225	20.5	113.0	52.0	235	268	32	1.960	**48.53**
250	22.7	130.0	58.0	285	320	35	3.300	**82.67**
280	25.4	128.0	66.0	288	320	35	3.160	**78.83**
315	28.6	136.0	65.0	335	370	35	4.600	**116.10**
355	32.2	150.0	70.0	373	430	40	6.560	**164.87**
400	36.3	155.0	70.0	427	482	46	8.620	**295.24**
450	40.9	165.0	62.0	514	585	60	15.360	**380.43**
500	45.4	175.0	80.0	530	585	60	14.920	**438.06**
630	57.2	175.0	91.5	642	685	60	20.900	**951.57**

Ook leverbaar / aussi livrable / also available :
- JIS SDR 11 : da 20-315 mm
- ANSI SDR 11 : da 20-450 mm

Uit plaat gedraaid.
Tournés à partir de plaque.
Turned out of plate.

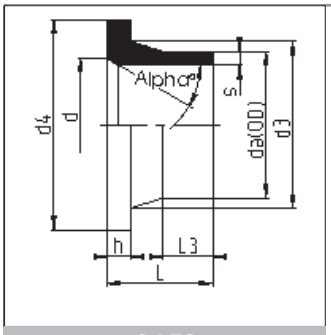
D	d_3	d_4	L	SDR 33 / ISO S-16			SDR 17 / ISO S-8		
				s	h_1	KG/ST/PC	s	h_1	KG/ST/PC
710	737	800	120	21.8	35	9.8	42.1	50	15.5
800	840	905	120	24.5	36	13.0	47.4	52	20.5
900	944	1005	120	27.6	40	16.3	53.3	55	25.3
1000	1047	1110	140	30.6	42	22.5	59.3	60	35.4
1200	1245	1330	140	36.7	50	33.4			

prijzen op aanvraag / prix sur demande / prices on request

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



QAFS

VOORLASKRAGEN VOOR VLINDERKLEPPEN
COLLETS CHANFREINE POUR VANNES PAPILLON
CHAMFERED STUB FLANGE FOR BUTTERFLY VALVES

Gespoten
Injectés
Moulded

SDR 11 / ISO S-5

da	s	L	L3	d	d3	d4	h	Alpha°	KG/ST/PC	€/ST/PC
110	10.0	82	38	100	125	158	18	30	0.420	**12.78**
140	12.7	92	37	125	155	188	25	30	0.740	**19.79**
160	14.6	92	38	150	175	212	25	30	0.920	**24.97**
180	16.4	93	43	150	183	212	30	30	0.997	**35.21**
200	18.2	114	40	210	232	268	32	30	1.792	**49.68**
225	20.5	113	52	210	235	268	32	30	1.860	**48.53**
250	22.7	130	58	255	285	320	35	25	2.866	**82.67**
280	25.4	128	66	255	288	320	35	25	2.940	**78.83**
315	28.6	136	65	301	335	370	35	22	4.100	**116.09**
355	32.2	150	70	338	373	430	40	30	5.960	**164.87**
400	36.3	155	70	378	427	482	46	30	7.920	**295.24**

Uit plaat gedraaid.
Tournés à partir de plaque.
Turned out of plate.

SDR 11 / ISO S-5

da	s	L	L3	d	d3	d4	h	Alpha°	KG/ST/PC	€/ST/PC
500	45.4	200	75	505	530	585	90	25	15.400	**3008.81**

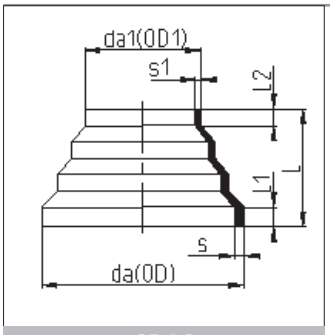
SDR 17 / ISO S-8

da	s	L	L3	d	d3	d4	h	Alpha°	KG/ST/PC	€/ST/PC
355	21.1	150	50	355	373	430	60	25	5.9	**1846.61**
400	23.7	180	75	404	427	482	60	25	7.4	**2057.53**
500	29.7	175	80	505	530	585	60	25	10.0	**3008.81**
560	33.2	200	60	602	615	685	80	25	15.6	**3037.86**

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



CRAS

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

Gespoten.
Opmerkingen :
-Deze verloopstukken zijn voor elke gewenste vermindering tussen de diameters 630 en 16 mm door afzagen. resp. aan elkaar te lassen. te gebruiken.

Injectées.
Remarques :
- Ces réductions sont utilisables dans tous les diamètres. entre 630 et 16 mm. par le sciage et le soudage bout à bout.

Moulded.
Remarks :
- These reductions can be sawn off (or be welded together) at the desired diameter between 630 and 16 mm.

SDR 33 / ISO S-16

da	da1	s	L	L1	L2	s1	KG/ST/PC	€/ST/PC
110	**63**	3.4	62	9	6	3.0	0.061	**12.56**
125	**75**	3.9	72	13	8	2.3	0.090	**14.43**
160	**110**	4.9	83	13	13	3.4	0.160	**45.61**
225	**160**	6.9	94	18	14	4.9	0.402	**115.27**
315	**225**	9.7	134	25	20	6.9	1.036	**133.02**
450	**315**	13.8	170	27	20	9.7	3.220	**456.00**
630	**450**	19.3	188	30	20	13.8	6.860	**563.83**

SDR 17 / ISO S-8

da	da1	s	L	L1	L2	s1	KG/ST/PC	€/ST/PC
75	**32**	4.5	71	10	9	1.9	0.043	**10.10**
110	**63**	6.6	62	9	6	3.8	0.099	**13.24**
125	**75**	7.4	72	13	8	4.5	0.145	**15.07**
160	**110**	9.5	83	13	13	6.6	0.275	**49.11**
225	**160**	13.4	94	18	14	9.5	0.660	**129.49**
315	**225**	18.7	134	25	20	13.4	1.860	**146.88**
450	**315**	26.7	167	27	20	18.7	4.840	**504.01**
630	**450**	37.4	188	30	20	26.7	10.60	**759.71**

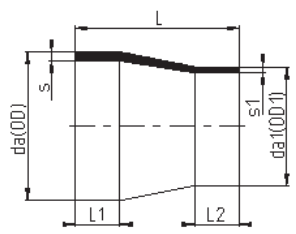
SDR 11 / ISO S-5

da	da1	s	L	L1	L2	s1	KG/ST/PC	€/ST/PC
63	**16**	5.8	97	10	8	1.8	0.042	**6.59**
75	**32**	6.8	71	10	9	2.9	0.060	**10.53**
110	**63**	10.0	62	9	6	5.8	0.144	**13.97**
125	**75**	11.4	72	13	8	6.8	0.200	**15.78**
160	**110**	14.6	83	13	13	10.0	0.420	**52.59**
225	**160**	20.5	94	18	14	14.6	0.940	**142.69**
315	**225**	28.6	134	25	20	20.5	2.720	**157.34**
450	**315**	40.9	181	40	20	28.6	7.620	**559.87**

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stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



CRRS

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

SDR 17 / ISO S-8

da	da1	s	L	L1	L2	s1	KG/ST/PC	€/ST/PC
75	**63**	4.5	60	19	18	3.8	0.054	**9.28**
90	**63**	5.4	66	22	18	3.8	0.080	**10.36**
90	**75**	5.4	66	22	19	4.5	0.097	**10.36**
110	**63**	6.6	90	28	18	3.8	0.159	**13.13**
110	**75**	6.6	85	28	19	4.5	0.150	**13.13**
110	**90**	6.6	85	28	22	5.4	0.159	**13.13**
125	**63**	7.4	100	32	18	3.8	0.228	**16.94**
125	**75**	7.4	100	32	19	4.5	0.218	**16.94**
125	**90**	7.4	90	32	22	5.4	0.186	**16.94**
125	**110**	7.4	90	32	28	6.6	0.243	**16.94**
140	**75**	8.3	110	35	19	4.5	0.331	**20.49**
140	**90**	8.3	110	35	22	5.4	0.290	**20.49**
140	**110**	8.3	100	35	28	6.6	0.275	**20.49**
140	**125**	8.3	100	35	32	7.4	0.317	**23.91**
160	**90**	9.5	115	40	22	5.4	0.400	**23.91**
160	**110**	9.5	115	40	28	6.6	0.398	**23.91**
160	**125**	9.5	110	40	32	7.4	0.450	**23.91**
160	**140**	9.5	110	40	35	8.3	0.460	**23.91**
180	**90**	10.7	157	45	22	5.4	0.746	**37.60**
180	**110**	10.7	157	45	28	6.6	0.743	**35.35**
180	**125**	10.7	122	45	32	7.4	0.560	**32.60**
180	**140**	10.7	136	45	35	8.3	0.680	**30.94**
180	**160**	10.7	122	45	40	9.5	0.690	**29.57**
200	**140**	11.9	137	50	35	8.3	0.840	**85.64**
200	**160**	11.9	128	50	40	9.5	0.800	**74.82**
200	**180**	11.9	137	50	45	10.7	0.852	**66.91**
225	**140**	13.4	162	55	35	8.3	1.121	**101.08**
225	**160**	13.4	140	55	40	9.5	0.985	**86.74**
225	**180**	13.4	162	55	45	10.7	1.328	**86.33**
225	**200**	13.4	162	55	50	11.9	1.300	**86.33**
250	**160**	14.8	149	60	40	9.5	1.310	**115.80**
250	**180**	14.8	177	60	45	10.7	2.000	**107.17**
250	**200**	14.8	144	60	50	11.9	1.380	**98.58**
250	**225**	14.8	144	60	55	13.4	1.480	**93.74**
280	**200**	16.6	202	70	50	11.9	2.400	**128.89**
280	**225**	16.6	202	70	55	13.4	2.400	**120.22**
280	**250**	16.6	165	70	60	14.8	2.320	**117.09**
315	**200**	18.7	196	80	50	11.9	3.180	**164.57**
315	**225**	18.7	207	80	55	13.4	2.940	**145.61**
315	**250**	18.7	200	80	60	14.8	2.880	**132.64**
315	**280**	18.7	198	80	70	16.6	3.640	**124.24**

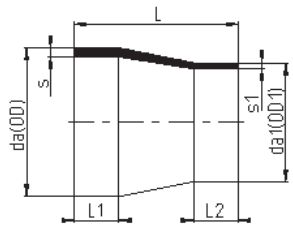
Diam. t.e.m. 630 mm op aanvraag.
Diam. jusqu'à 630 mm sur demande.
Diam up to 630 mm on request.

PPH op aanvraag / sur demande / on request

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stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



CRRS

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

SDR 11 / ISO S-5

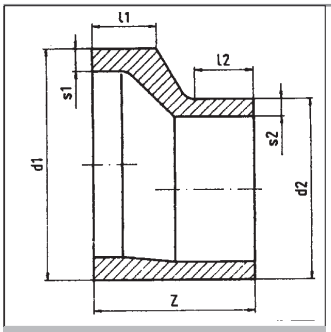
da	da1	s	L	L1	L2	s1	KG/ST/PC	€/ST/PC
25	**20**	2.3	38	14	14	1.9	0.005	**4.51**
32	**20**	2.9	40	14	14	1.9	0.008	**5.22**
32	**25**	2.9	40	14	14	2.3	0.009	**5.22**
40	**20**	3.7	43	14	14	1.9	0.014	**5.96**
40	**25**	3.7	43	14	14	2.3	0.014	**5.96**
40	**32**	3.7	37	14	14	2.9	0.013	**5.96**
50	**25**	4.6	47	14	14	2.3	0.020	**6.27**
50	**32**	4.6	41	14	14	2.9	0.020	**6.27**
50	**40**	4.6	42	14	14	3.7	0.022	**6.28**
63	**32**	5.8	57	18	14	2.9	0.040	**7.59**
63	**40**	5.8	51	18	14	3.7	0.040	**7.59**
63	**50**	5.8	52	18	14	4.6	0.044	**7.59**
75	**32**	6.8	70	19	14	2.9	0.065	**9.73**
75	**40**	6.8	70	19	14	3.7	0.067	**9.73**
75	**50**	6.8	59	19	14	4.6	0.066	**9.73**
75	**63**	6.8	60	19	18	5.8	0.071	**9.73**
90	**50**	8.2	76	22	14	4.6	0.110	**10.84**
90	**63**	8.2	66	22	18	5.8	0.108	**10.84**
90	**75**	8.2	66	22	19	6.8	0.120	**10.84**
110	**50**	10.0	90	28	14	4.6	0.186	**13.82**
110	**63**	10.0	90	28	18	5.8	0.197	**13.82**
110	**75**	10.0	85	28	19	6.8	0.210	**13.82**
110	**90**	10.0	85	28	22	8.2	0.225	**13.82**
125	**63**	11.4	100	32	18	5.8	0.275	**17.67**
125	**75**	11.4	100	32	19	6.8	0.291	**17.67**
125	**90**	11.4	90	32	22	8.2	0.282	**17.67**
125	**110**	11.4	90	32	28	10	0.320	**17.67**
140	**75**	12.7	110	35	19	6.8	0.383	**21.42**
140	**90**	12.7	110	35	22	8.2	0.404	**21.42**
140	**110**	12.7	100	35	28	10	0.409	**21.42**
140	**125**	12.7	100	35	32	11.4	0.440	**21.42**
160	**90**	14.6	115	40	22	8.2	0.550	**25.14**
160	**110**	14.6	115	40	28	10	0.585	**25.14**
160	**125**	14.6	110	40	32	11.4	0.590	**25.14**
160	**140**	14.6	110	40	35	12.7	0.620	**25.14**
180	**90**	16.4	157	45	22	8.2	1.000	**39.43**
180	**110**	16.4	157	45	28	10	1.000	**37.15**
180	**125**	16.4	122	45	32	11.4	0.820	**34.22**
180	**140**	16.4	136	45	35	12.8	0.957	**32.51**
180	**160**	16.4	122	45	40	14.6	0.905	**31.00**
200	**140**	18.2	137	50	35	12.7	1.101	**88.86**
200	**160**	18.2	132	50	40	14.6	1.166	**78.57**
200	**180**	18.2	137	50	45	16.4	1.310	**70.36**
225	**140**	20.5	162	55	35	12.8	1.600	**106.08**
225	**160**	20.5	136	55	40	14.6	1.420	**91.06**
225	**180**	20.5	162	55	45	16.4	1.920	**86.65**
225	**200**	20.5	162	55	50	18.2	1.960	**76.42**
250	**160**	22.7	149	60	40	14.6	1.895	**121.57**
250	**180**	22.7	177	60	45	16.4	2.420	**112.57**
250	**200**	22.7	144	60	50	18.2	2.000	**98.59**
250	**225**	22.7	144	60	55	20.5	2.080	**103.48**
280	**200**	25.4	188	70	50	18.2	3.440	**135.42**
280	**225**	25.4	202	70	55	20.5	3.440	**126.26**
280	**250**	25.4	165	70	60	22.7	3.020	**121.57**
315	**200**	28.6	200	80	50	18.2	3.860	**172.87**
315	**225**	28.6	200	80	55	20.5	4.280	**152.91**
315	**250**	28.6	200	80	60	22.7	4.060	**139.20**
315	**280**	28.6	227	80	70	25.4	5.125	**163.13**

Diam. t.e.m. 630 mm op aanvraag.
Diam. jusqu'à 630 mm sur demande.
Diam up to 630 mm on request.

PPH op aanvraag / sur demande / on request

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



ERRS

EXCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS EXCENTRIQUES
EXCENTRIC REDUCERS

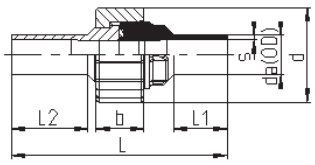
d1	d2	SDR 17			SDR 11		
		s1	s2	z	s1	s2	z
160	**90**	9.1	5.1	150	14.6	8.2	150
160	**110**	9.1	6.3	130	14.6	10.0	135
160	**125**	9.1	7.1	120	14.6	11.4	120
160	**140**	9.1	8.0	105	14.6	12.8	105
180	**110**	10.2	6.3	150	16.4	10.0	150
180	**125**	10.2	7.1	140	16.4	11.4	140
180	**140**	10.2	8.0	125	16.4	12.8	125
180	**160**	10.2	9.1	105	16.4	14.6	105
200	**125**	11.4	7.1	155	18.2	11.4	155
200	**140**	11.4	8.0	145	18.2	12.8	145
200	**160**	11.4	9.1	125	18.2	14.6	125
200	**180**	11.4	10.2	105	18.2	16.4	105
225	**140**	12.8	8.0	170	20.5	12.8	165
225	**160**	12.8	9.1	150	20.5	14.6	150
225	**180**	12.8	10.2	130	20.5	16.4	130
225	**200**	12.8	11.4	110	20.5	18.2	110
250	**160**	14.2	9.1	175	22.8	14.6	175
250	**180**	14.2	10.2	155	22.8	16.4	155
250	**200**	14.2	11.4	135	22.8	18.2	135
250	**225**	14.2	12.8	110	22.8	20.5	110
280	**180**	15.9	10.2	185	25.5	16.4	185
280	**200**	15.9	11.4	165	25.5	18.2	165
280	**225**	15.9	12.8	140	25.5	20.5	140
280	**250**	15.9	14.2	115	25.5	22.8	115
315	**200**	17.9	11.4	200	28.7	18.2	210
315	**225**	17.9	12.8	175	28.7	20.5	185
315	**250**	17.9	14.2	150	28.7	22.8	160
315	**280**	17.9	15.9	120	28.7	25.5	135
355	**225**	20.1	12.8	210	32.3	20.5	225
355	**250**	20.1	14.2	190	32.3	22.8	200
355	**280**	20.1	15.9	160	32.3	25.5	175
355	**315**	20.1	17.9	135	32.3	28.7	150
400	**250**	22.7	14.2	235	36.4	22.8	245
400	**280**	22.7	15.9	205	36.4	25.5	215
400	**315**	22.7	17.9	180	36.4	28.7	195
400	**355**	22.7	20.1	145	36.4	32.3	155
450	**280**	25.5	15.9	255	41.0	25.5	265
450	**315**	25.5	17.9	230	41.0	28.7	240
450	**355**	25.5	20.1	195	41.0	32.3	205
450	**400**	25.5	22.7	150	41.0	36.4	160
500	**315**	28.3	17.9	290	45.5	28.7	290
500	**355**	28.3	20.1	250	45.5	32.3	255
500	**400**	28.3	22.7	210	45.5	36.4	210
500	**450**	28.3	25.5	160	45.5	41.0	165
560	**400**	31.7	22.7	265	51.0	36.4	280
560	**450**	31.7	25.5	220	51.0	41.0	235
560	**500**	31.7	28.3	180	51.0	45.5	195
630	**450**	35.7	25.5	290	57.3	41.0	300
630	**500**	35.7	28.3	250	57.3	45.5	265
630	**560**	35.7	31.7	195	57.3	51.0	210
710	**560**	40.2	31.7	270			
710	**630**	40.2	35.7	205			
800	**560**	-	-	360			
800	**630**	45.3	35.7	290			
800	**710**	45.3	40.2	225			
900	**630**	-	-	400			
900	**710**	51.0	40.2	330			
900	**800**	51.0	45.3	250			
1000	**710**	-	-	430			
1000	**800**	56.6	45.3	345			
1000	**900**	56.6	51.0	250			

prijzen op aanvraag
prix sur demande
prices on request

VINK

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP



BAS

DRIEDELIGE KOPPELINGEN
RACCORDS UNION
UNION SOCKETS

Gespoten SDR 11. ISO S5. O-ring in FPM. moer GVK
Injectés SDR 11. ISO S5. Joint torique en FPM. écrou FRP
Moulded SDR 11. ISO S5. O-ring in FPM. nut FRP

SDR 11 / ISO S-5

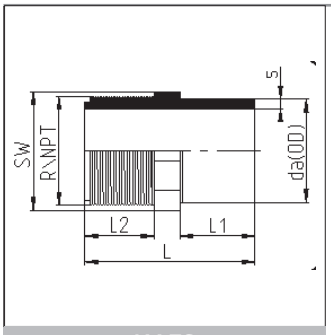
da	s	L	L1	L2	d	b	KG/ST/PC	€/ST/PC
20	1.9	108	24.0	38	47	24	0.046	**19.96**
25	2.3	114	24.0	39	57	26	0.075	**21.74**
32	2.9	122	25.0	39	64	30	0.106	**26.11**
40	3.7	128	25.0	42	78	31	0.168	**36.91**
50	4.6	134	25.0	44	89	35	0.228	**52.21**
63	5.8	138	25.0	44	109	39	0.382	**71.05**
***75**	6.8	132	28.0	37	130	40	0.593	**90.87**
***90**	8.2	133	35.5	57	130	40	0.609	**93.94**

* **da 75-90 :** moer / écrou / nut : PVDF

agru

stomplasfittings
raccords pour le soudage bout à bout
fittings for butt welding

PP-R



NAFS

OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

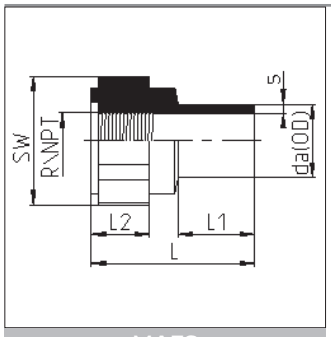
Gespoten. S-5/SDR 11
Eén zijde buitendraad (standaard BSP draad. op aanvraag eveneens met NPT draad leverbaar).
Alleen geschikt voor kunststof draadverbindingen.

Injectés. S-5/SDR 11
Un côté mâle (à filetage BSP. également livrables à filetage NPT).
Uniquement pour des connections matières synthétiques.

Moulded. S-5/SDR 11
One end male threaded (standard thread BSP. also available with NPT thread).
Only for plastic threaded connections.

da	s	L	L1	L2	SW	R	K	E	KG/ST/PC	€/ST/PC
20	1.9	46	20.5	18.0	22	1/2"	18.63	20.96	0.006	**5.41**
25	2.3	51	22.5	20.0	27	3/4"	24.12	26.44	0.009	**6.46**
32	2.9	61	29.0	24.0	36	1"	30.29	33.25	0.020	**8.17**
40	3.7	66	29.0	26.5	46	1 1/4"	38.95	41.91	0.033	**9.82**
50	4.6	74	33.0	29.0	55	1 1/2"	44.85	47.80	0.054	**16.12**
63	5.8	80	35.0	32.5	65	2"	56.66	59.61	0.085	**20.37**

NPT op aanvraag / sur demande / on request



MAFS

OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

Gespoten. S-5/SDR 11.
Eén zijde binnendraad. GVK versterkt.
Alleen geschikt voor kunststof draadverbindingen.

Injectés. S-5/SDR 11.
Un côté femelle. Renforcé fibre de verre.
Uniquement pour des connections matières synthétiques.

Moulded. S-5/SDR 11.
One end female threaded. Glassfiber reinforced.
Only for plastic threaded connections.

da	s	L	L1	L2	SW	R	K	E	KG/ST/PC	€/ST/PC
20	1.9	45	21	16	32	1/2"	18.63	20.96	0.013	**6.87**
25	2.3	51	24	18	41	3/4"	24.12	26.44	0.025	**7.78**
32	2.9	58	30	20	46	1"	30.29	33.25	0.033	**10.20**
40	3.7	62	30	24	55	1 1/4"	38.95	41.91	0.050	**11.67**
50	4.6	68	34	25.5	70	1 1/2"	44.85	47.80	0.100	**18.38**
63	5.8	75	36	30	85	2"	56.66	59.61	0.160	**23.01**

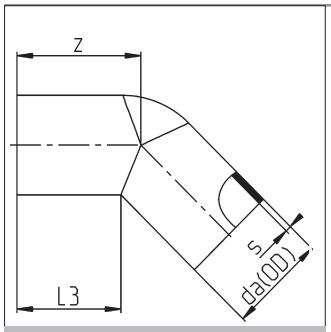
NPT: op aanvraag / sur demande / on request

VINK

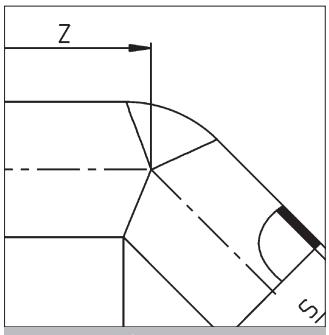
agru

stomplas- en electromoflasfittingen - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



AHAS



***AHAS**
L= 300 mm

KNIEEN 45°
COUDES A 45°
ELBOWS 45°

Met verlengde benen. gespoten. Ook geschikt voor electromoflas.

Coudes injectés. à branches allongées. Conviennent aussi pour l'electro-soudage dans l'emboîture.

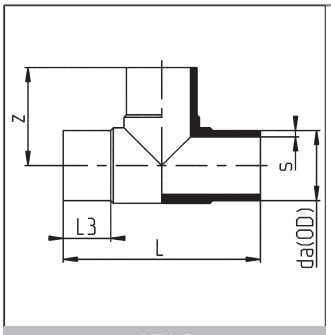
Elongated. moulded.. Also suitable for electro socket welding.

da	*AHAS - SDR 33 / ISO S-16					SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	L2	L1	s	KG ST/PC	€ ST/PC	L3	z	s	KG ST/PC	€ ST/PC	L3	z	s	KG ST/PC	€ ST/PC
20											39.0	44.0	1.9	0.010	**2.86**
25											42.0	48.0	2.3	0.016	**2.96**
32											49.0	57.0	2.9	0.033	**3.10**
40											53.0	63.0	3.7	0.051	**3.95**
50											57.0	70.0	4.6	0.050	**4.99**
63						66.0	80.0	3.8	0.110	**6.60**	67.0	80.0	5.8	0.165	**7.16**
75						70.0	90.0	4.5	0.175	**9.67**	72.5	90.0	6.8	0.259	**9.87**
90						79.0	101.0	5.4	0.291	**12.61**	82.0	104.0	8.2	0.423	**14.30**
110	346	356	3.4	0.79	**282.33**	82.0	112.0	6.6	0.481	**26.51**	85.0	114.0	10.0	0.668	**27.18**
125	352	362	3.9	1.09	**274.09**	99.5	130.5	7.4	0.670	**33.67**	99.5	132.5	11.4	1.015	**38.33**
140	358	368	4.3	1.40	**306.86**	102.0	137.0	8.3	0.847	**48.93**	100.0	132.5	12.7	1.340	**51.25**
160	364	389	4.9	1.76	**330.00**	116.5	156.5	9.5	1.280	**53.95**	116.5	152.5	14.6	1.980	**62.41**
180	375	395	5.5	2.24	**341.95**	112.0	178.5	10.7	1.960	**86.54**	120.5	158.5	16.4	2.780	**96.27**
200	383	403	6.2	3.00	**354.15**	122.5	166.0	11.9	2.150	**118.37**	120.5	170.5	18.2	3.440	**131.52**
225	383	403	6.9	3.63	**437.02**	128.0	184.0	13.4	3.040	**141.21**	128.0	182.5	20.5	4.660	**156.78**
250	393	413	7.7	5.00	**474.17**	160.0	217.0	14.8	4.760	**273.24**	160.0	217.0	22.7	6.760	**303.61**
280	408	438	8.6	6.05	**530.30**	175.0	237.0	16.6	6.200	**412.63**	173.0	235.0	25.4	8.940	**458.47**
315	424	464	9.7	8.30	**640.81**	180.0	251.0	18.7	8.320	**513.49**	179.0	250.0	28.6	12.260	**573.62**
						***L2**	***L1**	***s**			***L2**	***L1**	***s**		
355	424	464	10.9	10.40	**937.53**	424	464	21.1	17.80	**1128.20**	424	464	32.2	27.40	**1583.33**
400	424	469	12.3	12.75	**1025.27**	424	469	23.7	22.70	**1411.70**	424	469	36.3	34.70	**2067.38**
450	466	511	13.8	18.10	**1258.76**	466	511	26.7	31.60	**1771.46**	466	511	40.9	47.80	**2563.53**
500						466	511	29.7	39.20	**2152.25**	466	511	45.4	59.30	**3120.20**

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



ATAS

T-STUKKEN 90° VERLENGD
TES A 90° ALLONGES
TEES 90° ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectés. Conviennent aussi pour l'electro-soudage.
Moulded. Also suitable for electric socket welding.

SDR 11 / ISO S-5

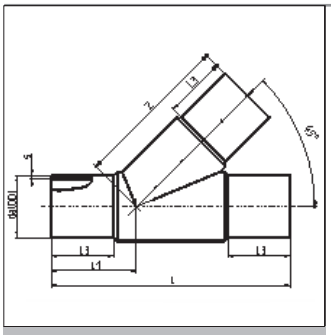
da	L3	L	z	s	KG/ST/PC	€/ST/PC
20	37.0	109	57	1.9	0.020	**4.70**
25	40.0	117	59	2.3	0.034	**5.38**
32	45.0	144	72	2.9	0.065	**6.43**
40	51.0	168	84	3.7	0.111	**7.96**
50	58.0	192	97	4.6	0.188	**10.53**
63	66.0	229	115	5.8	0.366	**14.52**
75	71.0	264	131	6.8	0.613	**24.09**
90	82.0	290	145	8.2	0.954	**34.28**
110	86.0	320	160	10.0	1.500	**50.19**
125	93.5	356	175	11.4	2.140	**68.87**
140	98.0	380	190	12.7	2.760	**110.68**
160	102.5	410	208	14.6	4.000	**143.63**
180	138.0	528	264	16.4	6.660	**188.45**
200	116.0	500	250	18.2	7.740	**270.49**
225	125.5	552	275	20.5	10.600	**320.84**
250	148.0	630	315	22.7	14.880	**414.28**
280	161.0	704	352	25.4	20.320	**621.21**
315	170.0	760	380	28.6	27.800	**795.53**

VINK

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



AYAS

T-STUKKEN 45° VERLENGD
TES A 45° ALLONGES
TEES 45° ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectés. Conviennent aussi pour l'electro-soudage.
Moulded. Also suitable for electric socket welding.

SDR 17 / ISO S-8

da	s	z	L	L3	L1	KG/ST/PC	€/ST/PC
63	3.8	170.0	262	64	93	0.390	**48.08**
75	4.5	192.0	294	71	103	0.535	**78.24**
90	5.4	230.0	351	83	122	0.903	**108.41**
110	6.6	250.5	385	84	131	1.540	**159.11**
125	7.4	292.5	431	90	140	2.170	**218.33**
140	8.3	315.5	468	94	150	2.912	**350.83**
160	9.5	360.0	526	100	166	4.334	**455.48**
180	10.7	390.0	568	107	179	5.832	**597.56**
200	11.9	416.0	605	114	191	8.320	**857.75**
225	13.4	474.0	678	122	206	11.860	**1019.51**

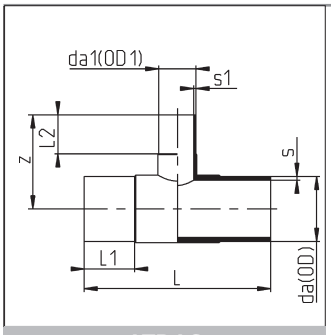
SDR 11 / ISO S-5

da	s	z	L	L3	L1	KG/ST/PC	€/ST/PC
32	2.9	131.0	195	45	65	0.110	**23.43**
40	3.7	137.0	211	50	72	0.170	**29.08**
50	4.6	148.5	228	56	81	0.270	**38.55**
63	5.8	170.0	262	64	93	0.495	**53.12**
75	6.8	192.0	294	71	103	0.786	**88.13**
90	8.2	230.0	351	80	122	1.219	**120.77**
110	10.0	250.5	385	84	131	2.045	**176.80**
125	11.4	300.0	431	89	140	2.938	**242.67**
140	12.7	323.0	467	94	150	3.927	**389.97**
160	14.6	369.0	530	100	166	5.862	**506.04**
180	16.4	383.0	568	107	179	7.864	**664.00**
200	18.2	422.5	605	114	191	10.800	**953.55**
225	20.5	474.0	678	122	206	15.420	**1133.17**

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



ATRAS

VERLOOP T-STUKKEN 90° VERLENGD
TES REDUITS A 90° ALLONGES
TEES 90° REDUCING ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectés. Conviennent aussi pour l'electro-soudage.
Moulded. Also suitable for electric socket welding.

SDR 17 / ISO S-8

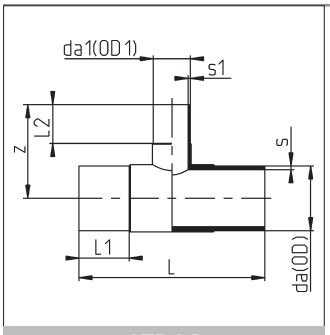
da/ da1	s	z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
63/ 50	3.8	103.0	220	63.0	56.0	3.0	0.208	**15.70**
75/ 50	4.5	110.0	265	75.0	56.0	3.0	0.406	**23.84**
75/ 63	4.5	117.0	260	72.0	63.0	3.8	0.415	**24.22**
90/ 63	5.4	138.5	275	81.0	64.0	3.8	0.591	**33.90**
90/ 75	5.4	138.0	278	77.0	68.0	4.5	0.570	**34.21**
110/ 63	6.6	159.0	315	87.0	65.0	3.8	0.957	**50.28**
110/ 75	6.6	151.0	315	85.0	70.0	4.5	0.850	**50.28**
110/ 90	6.6	156.0	317	85.0	79.5	5.4	0.915	**51.47**
125/ 63	7.4	170.0	350	110.0	70.0	3.8	1.380	**69.84**
125/ 90	7.4	170.0	351	112.0	92.0	5.4	1.300	**69.84**
125/110	7.4	170.0	340	90.0	83.0	6.6	1.235	**69.84**
160/ 63	9.5	175.0	347	100.0	67.0	3.8	1.920	**138.42**
160/ 75	9.5	179.0	348	101.0	76.0	4.5	1.905	**142.61**
160/ 90	9.5	182.0	349	101.0	80.0	5.4	1.940	**142.61**
160/110	9.5	202.0	400	100.0	85.0	6.6	2.360	**143.93**
180/ 90	10.7	202.0	427	138.0	97.0	5.4	2.800	**192.41**
200/ 63	11.9	225.0	550	134.0	80.0	3.8	4.963	**258.69**
200/ 90	11.9	229.0	560	134.0	95.0	5.4	5.124	**258.69**
200/110	11.9	245.0	560	136.0	105.0	6.6	5.220	**258.69**
200/125	11.9	240.0	550	134.0	110.0	7.4	5.260	**258.69**
200/160	11.9	275.0	564	137.0	118.0	9.5	6.154	**258.57**
225/ 75	13.4	226.0	451	120.0	75.0	4.5	4.900	**324.67**
225/ 90	13.4	226.0	450	120.0	79.0	5.4	5.000	**324.67**
225/110	13.4	226.0	458	124.0	85.0	6.6	4.960	**325.71**
225/160	13.4	250.0	505	122.5	100.0	9.5	6.260	**326.65**
225/180	13.4	280.0	558	135.0	135.0	10.7	7.100	**327.22**
250/110	14.8	247.0	632	152.0	87.0	6.6	9.980	**541.06**
250/160	14.8	272.0	630	148.0	101.0	9.5	10.540	**541.06**
250/200	14.8	294.0	630	148.0	118.5	11.9	11.060	**541.06**
315/110	18.7	292.0	555	170.0	102.0	6.6	11.400	**902.90**
315/160	18.7	315.0	585	170.0	120.0	9.5	12.560	**902.90**
315/225	18.7	335.0	650	170.0	145.0	13.4	13.980	**943.91**
315/250	18.7	340.0	680	170.0	150.0	14.8	16.200	**943.91**

VINK

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



ATRAS

VERLOOP T-STUKKEN 90° VERLENGD
TES REDUITS A 90° ALLONGES
TEES 90° REDUCING ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectés. Conviennent aussi pour l'electro-soudage.
Moulded. Also suitable for electric socket welding.

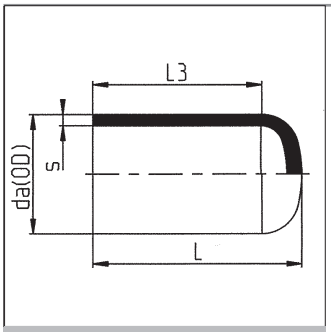
SDR 11 / ISO S-5

da	s	z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
63/ 25	5.8	88.0	231.0	65.0	42.5	2.3	0.190	**16.99**
63/ 32	5.8	92.0	230.5	66.0	45.5	2.9	0.295	**16.99**
63/ 40	5.8	96.0	229.0	66.0	51.0	3.7	0.290	**16.99**
63/ 50	5.8	102.5	231.0	66.0	56.0	4.6	0.292	**16.99**
75/ 32	6.8	107.5	265.0	75.5	47.0	2.9	0.498	**26.61**
75/ 50	6.8	110.0	265.0	75.0	56.0	4.6	0.530	**26.61**
75/ 63	6.8	117.0	260.0	72.0	63.0	5.8	0.537	**27.17**
90/ 63	8.2	138.5	275.0	81.0	64.0	5.8	0.739	**37.94**
90/ 75	8.2	140.0	278.0	77.0	71.0	6.8	0.796	**38.21**
110/ 63	10.0	159.0	315.0	87.0	65.0	5.8	1.240	**56.23**
110/ 75	10.0	151.0	315.0	85.0	70.0	6.8	1.180	**56.23**
110/ 90	10.0	156.0	317.0	85.0	79.5	8.2	1.261	**57.01**
125/ 90	11.4	170.0	340.0	112.0	92.0	8.2	1.640	**78.24**
125/110	11.4	170.0	345.5	90.0	83.0	10.0	1.850	**78.24**
160/ 63	14.6	175.0	347.0	100.0	67.0	5.8	2.560	**153.80**
160/ 75	14.6	179.0	348.0	101.0	76.0	6.8	2.620	**155.08**
160/ 90	14.6	182.0	349.0	101.0	80.0	8.2	2.620	**155.08**
160/110	14.6	202.0	400.0	100.0	85.0	10.0	3.160	**158.96**
180/ 90	16.4	201.0	427.0	138.0	97.0	8.2	4.240	**213.13**
180/110	16.4	225.0	464.0	148.0	101.0	10.0	4.600	**213.13**
200/ 63	18.2	226.0	560.0	137.0	81.0	5.8	6.940	**213.13**
200/ 90	18.2	230.0	560.0	137.0	92.0	8.2	6.860	**286.78**
200/110	18.2	245.0	560.0	136.0	105.0	10.0	6.980	**286.78**
200/125	18.2	240.0	560.0	134.0	110.0	11.4	6.920	**286.78**
200/160	18.2	275.0	564.0	137.0	118.0	14.6	8.340	**286.78**
225/ 75	20.5	226.0	455.0	124.0	75.0	6.8	6.620	**360.40**
225/ 90	20.5	226.0	456.0	124.0	79.0	8.2	6.660	**360.40**
225/110	20.5	226.0	456.0	124.0	85.0	10.0	6.660	**360.40**
225/160	20.5	250.0	498.0	120.0	100.0	14.6	8.220	**361.82**
225/180	20.5	280.0	558.0	135.0	135.0	16.4	9.200	**363.11**
250/110	22.7	247.0	632.0	152.0	87.0	10.0	12.460	**601.20**
250/160	22.7	272.0	634.0	152.0	101.0	14.6	12.960	**601.20**
250/200	22.7	294.0	630.0	148.0	118.5	18.2	14.060	**601.20**
315/110	28.6	292.0	555.0	170.0	102.0	10.0	15.680	**981.41**
315/160	28.6	315.0	585.0	170.0	120.0	14.6	17.020	**981.41**
315/225	28.6	335.0	650.0	170.0	145.0	20.5	20.580	**981.41**
315/250	28.6	340.0	680.0	170.0	150.0	22.7	21.840	**1025.97**

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



ACAS

EINDKAPPEN VERLENGD
BOUCHONS ALLONGES
END CAPS ELONGATED

SDR 11

Gespoten. Ook geschikt voor electromoflas.
Injectés. Conviennent aussi pour l'electro-soudage.
Moulded. Also suitable for electric socket welding.

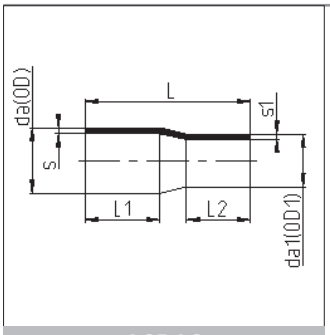
ISO S-5/SDR 11

da	L3	L	S	KG/ST/PC	€/ST/PC
20	41.0	47	1.9	0.006	**3.65**
25	41.0	49	2.3	0.008	**4.03**
32	47.0	56	2.9	0.016	**5.06**
40	51.0	64	3.7	0.027	**6.25**
50	60.0	73	4.6	0.048	**8.17**
63	68.0	84	5.8	0.088	**10.77**
75	75.0	93	6.8	0.140	**16.68**
90	84.0	109	8.2	0.240	**25.33**
110	104.0	136	10.0	0.457	**34.32**
125	102.0	138	11.4	0.565	**37.09**
140	106.0	144	12.7	0.788	**46.39**
160	118.5	170	14.6	1.140	**52.00**
180	115.0	164	16.4	1.420	**67.59**
200	127.0	181	18.2	1.880	**84.21**
225	131.0	202	20.5	2.680	**100.50**
250	161.0	230	22.7	3.760	**150.62**
280	162.0	257	25.4	5.240	**213.92**
315	171.0	272	28.6	6.870	**287.62**

agru

stomplas- en electromoflasfittingen - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



ACRAS

CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

L = 5 m. gladde uitvoering

Gespoten. Ook geschikt voor electromoflas.
Injectées. Conviennent également pour l'électrosoudage.
Moulded. Also suitable for electro socket welding.

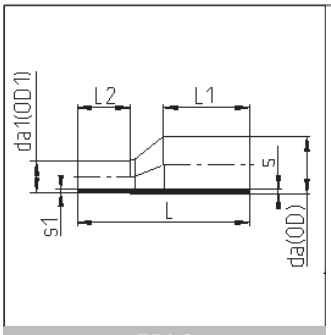
SDR 11 / ISO S-5

da	da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
25	**20**	88	41.5	41.5	2.3	1.9	0.012	**3.13**
32	**20**	92	45.5	40.0	2.9	1.9	0.017	**3.48**
32	**25**	92	44.0	41.0	2.9	2.3	0.020	**3.48**
40	**20**	102	50.5	39.0	3.7	1.9	0.028	**5.06**
40	**25**	102	50.5	40.5	3.7	2.3	0.034	**5.06**
40	**32**	104	51.0	45.0	3.7	2.9	0.037	**5.06**
50	**25**	118	55.0	44.0	4.6	2.3	0.051	**6.27**
50	**32**	118	59.0	46.0	4.6	2.9	0.040	**6.27**
50	**40**	126	57.0	50.0	4.6	3.7	0.068	**6.27**
63	**25**	143	65.0	44.0	5.8	2.3	0.090	**8.31**
63	**32**	136	64.0	49.0	5.8	2.9	0.097	**8.31**
63	**40**	128	59.0	50.0	5.8	3.7	0.099	**8.31**
63	**50**	150	66.0	59.0	5.8	4.6	0.128	**8.31**
75	**50**	148	64.0	58.0	6.8	4.6	0.159	**12.89**
75	**63**	149	65.0	64.0	6.8	5.8	0.183	**12.89**
90	**63**	157	72.0	60.0	8.2	5.8	0.250	**18.04**
90	**75**	163	75.0	63.0	8.2	6.8	0.282	**18.17**
110	**63**	180	83.0	63.0	10.0	5.8	0.405	**24.25**
110	**90**	180	83.0	75.0	10.0	8.2	0.484	**24.25**
125	**63**	187	87.0	61.0	11.4	5.8	0.532	**29.21**
125	**90**	190	92.0	75.0	11.4	8.2	0.608	**29.21**
125	**110**	200	89.0	82.0	11.4	10.0	0.697	**29.21**
140	**125**	215	95.0	95.0	12.7	11.4	0.940	**41.94**
160	**90**	220	99.0	85.0	14.6	8.2	1.000	**55.98**
160	**110**	220	99.0	88.0	14.6	10.0	1.120	**56.14**
160	**125**	228	98.0	92.0	14.6	11.4	1.280	**56.14**
160	**140**	229	101.0	96.0	14.6	12.7	1.300	**56.47**
180	**125**	272	131.0	96.0	16.4	11.4	1.790	**72.75**
180	**160**	245	110.0	108.0	16.4	14.6	2.000	**72.75**
200	**160**	252	112.0	102.0	18.2	14.6	2.140	**79.73**
225	**160**	270	128.0	101.0	20.5	14.6	2.800	**128.26**
250	**160**	317	155.0	113.0	22.7	14.6	3.880	**173.41**
250	**200**	314	146.0	125.0	22.7	18.2	4.200	**181.38**
250	**225**	315	153.0	133.0	22.7	20.5	4.540	**181.38**
280	**250**	355	165.0	155.0	25.4	22.7	6.220	**241.73**
315	**200**	380	180.0	134.0	28.6	18.2	7.120	**311.02**
315	**250**	375	170.0	155.0	28.6	22.7	7.760	**311.02**

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



ERLS

EXCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS EXCENTRIQUES ALLONGEES
EXCENTRIC REDUCERS ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectées. Conviennent également pour l'électrosoudage.
Moulded. Also suitable for electro socket welding.

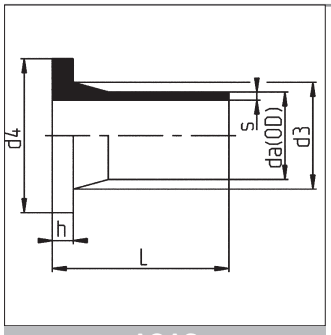
SDR 11 / ISO S-5

da/da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
25/ 20	103.0	51.0	38.0	2.3	1.9	0.018	**3.71**
32/ 25	114.0	56.0	40.0	3.0	2.3	0.020	**4.35**
40/ 25	126.0	60.0	40.0	3.7	2.3	0.046	**5.93**
40/ 32	125.0	59.0	44.0	3.7	3.0	0.045	**5.93**
50/ 32	156.0	71.0	45.0	4.6	2.9	0.082	**7.41**
50/ 40	157.0	71.0	49.0	4.6	3.7	0.085	**7.41**
63/ 32	177.0	75.0	45.0	5.8	2.9	0.127	**10.65**
63/ 40	177.0	76.0	49.0	5.8	3.7	0.130	**10.65**
63/ 50	177.0	76.0	56.0	5.8	4.6	0.149	**10.65**
75/ 50	197.0	84.0	57.0	6.8	4.6	0.216	**16.45**
75/ 63	197.0	83.0	63.0	6.8	5.8	0.243	**16.45**
90/ 63	220.0	92.0	64.0	8.2	5.8	0.345	**23.05**
90/ 75	223.0	97.0	70.0	8.2	6.8	0.390	**23.05**
110/ 63	247.0	99.0	63.0	10.0	5.8	0.550	**31.05**
110/ 90	244.0	98.0	79.0	10.0	8.2	0.629	**31.05**
125/ 63	268.0	105.0	63.0	11.4	5.8	0.785	**37.23**
125/ 90	265.0	106.5	79.0	11.4	8.2	0.856	**37.23**
125/110	265.0	103.0	87.0	11.4	10.0	0.927	**37.23**
140/125	287.0	113.5	94.0	12.7	11.4	1.265	**53.63**
160/ 90	309.0	117.5	79.0	14.6	8.2	1.480	**71.59**
160/110	309.0	115.5	87.0	14.6	10.0	1.560	**71.59**
160/125	309.0	116.5	91.0	14.6	11.4	1.658	**71.59**
160/140	308.0	116.5	98.0	14.6	12.7	1.760	**71.59**
180/ 90	348.0	128.5	79.0	16.4	8.2	2.120	**93.06**
180/125	353.0	135.5	93.0	16.4	11.4	2.380	**93.06**
180/160	353.0	135.5	104.0	16.4	14.6	2.680	**93.06**
200/160	373.0	138.5	104.0	18.2	14.6	3.200	**101.97**
200/180	373.0	143.5	111.0	18.2	16.4	3.410	**101.97**
225/160	405.0	154.5	102.5	20.5	14.6	4.200	**164.02**
225/180	403.0	154.5	111.0	20.5	16.4	4.440	**164.02**
225/200	403.0	155.5	126.0	20.5	18.2	4.623	**164.02**
250/200	440.5	180.0	120.0	22.7	18.2	6.020	**215.27**
250/225	442.0	182.0	125.0	22.7	20.5	6.336	**215.27**

agru

stomplas- en electromoflasfittings - IR
raccords pour le soudage bout à bout et electrosoudable - IR
fittings for butt and electro socket welding - IR

PP-R



AQAS

VOORLASKRAGEN. VERLENGD
COLLETS ALLONGEES
STUBS ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectées. Conviennent également pour l'électrosoudage.
Moulded. Also suitable for electro socket welding.

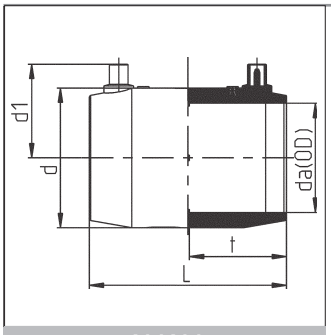
SDR 11 / ISO S-5

da	s	L	L3	d3	d4	h	KG/ST/PC	€/ST/PC
20	1.9	88.0	64	27	45	7	0.020	**4.21**
25	2.3	88.0	64	33	58	9	0.035	**4.39**
32	2.9	89.0	61	40	68	10	0.054	**5.12**
40	3.7	102.0	67	50	78	11	0.083	**6.08**
50	4.6	102.0	69	61	88	12	0.118	**7.39**
63	5.8	124.0	78	75	102	14	0.210	**9.36**
75	6.8	127.5	89	89	122	16	0.295	**12.08**
90	8.2	143.0	104	105	138	17	0.438	**15.78**
110	10.0	162.0	115	125	158	18	0.705	**20.08**
125	11.4	173.0	124	132	158	25	0.841	**24.48**
140	12.7	193.0	133	155	188	25	1.240	**35.22**
160	14.6	203.0	148	175	212	25	1.680	**47.70**
180	16.4	213.0	158	183	212	30	1.940	**61.12**
200	18.2	213.0	140	232	268	32	3.080	**86.71**
225	20.5	213.0	145	235	268	32	3.180	**89.43**
250	22.7	210.0	132	285	320	35	4.500	**137.02**
280	25.4	220.0	143	288	320	35	5.000	**166.91**
315	28.6	238.0	154	335	370	35	7.000	**221.96**

agru

electromoflasfittings
raccords pour electrosoudable
fittings for electro socket welding

PP-R



AMAM

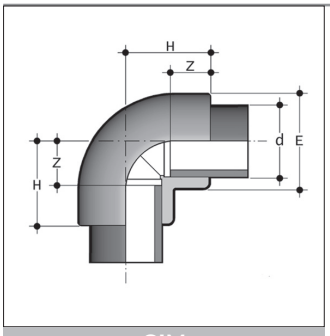
ELECTROLASMOFFEN
MANCHONS ELECTRO-SOUDAGE
ELECTRO WELDING SLEEVES

Geschikt voor PP. 40 V
Pour PP. 40 V
For PP. 40 V

da	L	d	d1	t	SDR	KG/ST/PC	€/ST/PC
20	75	31.2	35.0	38.0	7.4-6	0.040	**24.26**
25	81	36.2	38.0	41.0	11-6	0.048	**27.78**
32	87	44.0	42.0	44.0	11-6	0.066	**30.93**
40	98	55.0	44.5	49.0	11-6	0.104	**32.57**
50	110	65.0	50.0	55.0	17-6	0.140	**45.34**
63	126	80.0	56.5	63.0	17-6	0.220	**48.11**
75	141	97.0	65.5	70.0	17-6	0.350	**74.28**
90	142	114.0	73.0	70.0	17-6	0.494	**97.79**
110	153	140.0	83.0	75.0	17-6	0.780	**111.59**
125	171	161.0	90.5	85.0	17-11	1.260	**174.48**
140	181	180.0	98.0	90.0	17-11	1.600	**197.87**
160	181	200.0	108.5	90.0	17-11	1.710	**226.69**
180	202	222.0	119.0	99.0	17-11	2.360	**398.50**
200	217	246.0	129.0	106.5	17-11	3.180	**374.65**
225	233	277.0	144.0	115.0	17-11	4.300	**461.97**
250	242	310.0	159.0	119.0	17-11	5.680	**1031.76**
280	254	349.0	180.0	125.0	17-11	7.400	**1510.57**
315	262	393.0	201.0	130.0	17-11	10.330	**1680.97**
355	282	445.0	225.0	140.0	17-11	14.750	**1961.95**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



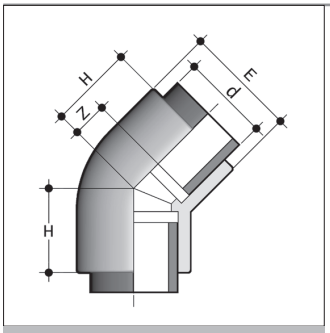
GIM

KNIEEN 90°
COUDES A 90°
ELBOWS 90°

PN 10

Gespoten
Injectés
Moulded

D	H	Z	E	€/ST/PC
20	27.5	13.0	27.5	**4.50**
25	32.0	16.0	33.5	**5.40**
32	37.0	20.0	41.5	**6.51**
40	42.5	22.0	51.5	**8.20**
50	51.0	27.5	63.5	**15.14**
63	61.0	33.5	78.5	**19.67**
75	73.0	42.0	92.5	**40.88**
90	64.5	49.0	110.5	**50.18**
110	100.5	59.0	135.0	**75.27**



HIM

KNIEEN 45°
COUDES A 45°
ELBOWS 45°

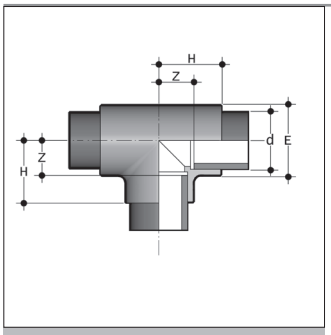
PN 10

Gespoten
Injectés
Moulded

d	D	L	Z	€/ST/PC
20	27.5	21.0	6.5	**6.51**
25	33.5	24.5	8.5	**6.93**
32	42.0	29.0	12.0	**8.50**
40	51.5	35.5	15.0	**11.80**
50	63.0	42.5	19.0	**15.14**
63	79.0	51.0	23.5	**20.13**
75	93.0	51.0	20.0	**37.31**
90	114.0	58.0	23.0	**52.29**
110	135.0	68.0	27.0	**77.56**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



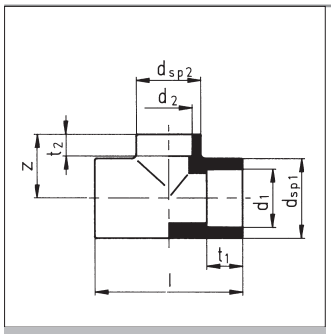
TIM

T-STUKKEN 90°
TES A 90°
TEES 90°

PN 10

Gespoten
Injectés
Moulded

D	H	Z	E	€/ST/PC
20	27.5	13.0	27.5	**5.16**
25	31.5	15.5	33.5	**5.92**
32	37.0	19.0	41.5	**6.93**
40	42.0	22.5	52.0	**8.90**
50	52.0	28.5	64.0	**15.76**
63	62.5	35.0	79.5	**20.06**
75	71.0	40.0	92.5	**46.59**
90	81.5	46.0	110.5	**75.15**
110	99.5	58.0	134.5	**95.43**



TRAM

VERLOOP T-STUKKEN 90°
TES REDUITS A 90°
REDUCED TEES 90°

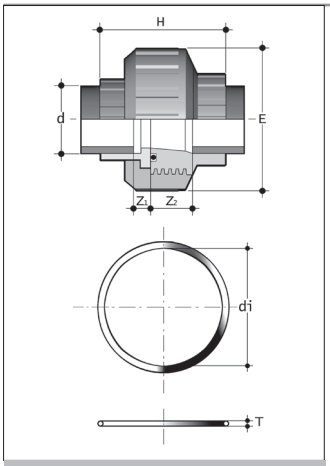
PN 10

Gespoten
Injectés
Moulded

d1 x d2	dsp1	dsp2	t1	t2	l±1	z	KG/ST/PC	€/ST/PC
25 x 20	34.8	29.9	18.4	16.1	68.5	31.9	0.04	**6.13**
32 x 20	43.0	29.9	20.0	16.1	79.7	39.8	0.05	**7.49**
32 x 25	43.0	35.0	20.0	18.0	79.5	40.0	0.06	**7.49**
40 x 20	53.0	29.7	21.7	16.1	89.9	44.8	0.08	**8.53**
40 x 25	53.2	35.3	21.7	18.0	90.5	46.8	0.08	**8.53**
40 x 32	53.0	43.0	21.5	19.0	91.0	45.0	0.10	**8.53**
50 x 20	65.4	30.0	25.0	16.0	110.0	50.0	0.16	**13.76**
50 x 25	65.5	35.5	25.0	18.0	110.0	51.0	0.16	**13.76**
50 x 32	65.0	43.0	24.0	19.0	108.0	54.0	0.17	**13.76**
50 x 40	65.0	53.0	24.5	21.0	107.0	52.5	0.17	**13.76**
63 x 25	81.0	36.0	28.6	17.6	130.0	65.0	0.27	**20.14**
63 x 32	81.0	43.5	28.6	19.1	130.0	65.0	0.27	**20.14**
63 x 40	81.0	53.0	28.6	21.5	130.0	65.0	0.28	**20.14**
63 x 50	81.0	66.0	28.6	24.0	130.0	65.0	0.28	**20.14**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



BIGM

DRIEDELIGE KOPPELINGEN
RACCORDS UNION
SOCKET UNIONS

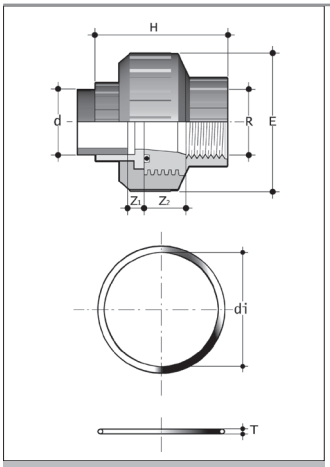
PN 10

Gespoten. Beide zijden inwendige lasmof.
Afdichting: O-ring in EPDM of FPM.

Injectés. Deux côtés femelles à souder.
Etanchéité: joint torique en EPDM ou en FPM.

Moulded. Both ends for socket welding.
Sealing: O-ring made of EPDM or FPM.

D	R1	Z1	Z2	H	E	€/ST/PC EPDM	FPM
20	1"	12	5.5	45.5	47	**17.52**	**20.54**
25	1 1/4"	12	5.5	49.5	58	**19.62**	**22.53**
32	1 1/2"	12	5.5	53.5	65	**22.53**	**26.72**
40	2"	14	5.5	59.5	78	**28.41**	**35.75**
50	2 1/4"	16	5.5	67.5	85	**40.71**	**50.09**
63	2 3/4"	20	5.5	79.5	103	**58.01**	**69.05**



BIFGM

DRIEDELIGE KOPPELINGEN
RACCORDS UNION
SOCKET UNIONS

PN 10

Gespoten. Eén zijde inwendige lasmof, andere zijde cylindrische binnendraad.
Afdichting: O-ring in EPDM of FPM

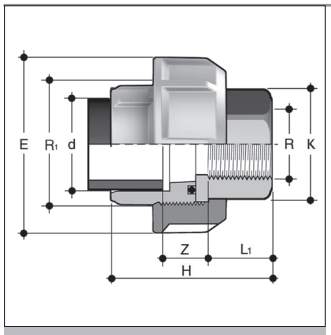
Injectés. Un côté femelle à souder, un côté femelle à filetage cylindrique.
Etanchéïté: joint torique en EPDM ou en FPM .

Moulded. One end for socket welding, other end with interior parallel thread.
Sealing: O-ring made of EPDM or FPM.

D x R	R1	L1	Z1	Z2	H	E	€/ST/PC EPDM	FPM
20 x 1/2"	1"	15.0	5.5	16.0	50.5	47	**26.72**	**31.19**
25 x 3/4"	1 1/4"	16.3	5.5	16.7	54.5	58	**29.28**	**33.62**
32 x 1"	1 1/2"	19.1	5.5	16.9	59.5	65	**30.69**	**37.42**
40 x 1 1/4"	2"	21.4	5.5	19.6	66.5	78	**47.85**	**60.84**
50 x 1 1/2"	2 1/4"	21.4	5.5	23.6	73.5	85	**70.03**	**86.94**
63 x 2"	2 3/4"	25.7	5.5	24.3	82.5	103	**80.47**	**95.43**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



BIFOM

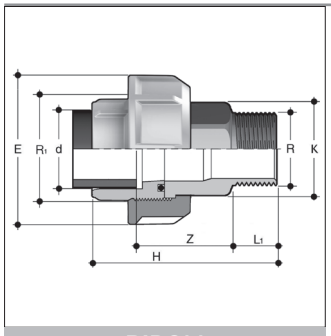
DRIEDELIGE KOPPELINGEN
RACCORDS D'ADAPTATION 3 PIECES
SOCKETS UNIONS

Inlegstuk: PP met lasmof
Puntstuk: messing met parallel binnendraad
Wartelmoer: PP
Afdichting: O-ring EPDM

Pièce folle: PP, côté femelle à souder
Pièce taraudée: laiton, femelle à filetage parallel
Ecrou: PP
Etanchéïté: joint torique EPDM

Insert: PP, socket for socket welding
Close end: brass with parallel female threaded
Union nut: PP
Sealing: O-ring EPDM

d x R	R1	PN	L1	Z	H	K	E	€/ST/PC
20 x 1/2"	1"	10	16.5	18.0	48.5	25	47	**30.87**
25 x 3/4"	1 1/4"	10	18.5	19.0	53.5	32	58	**37.66**
32 x 1"	1 1/2"	10	19.5	20.0	57.5	38	65	**47.05**
40 x 1 1/4"	2"	10	21.5	23.0	64.5	48	78	**58.03**
50 x 1 1/2"	2 1/4"	10	23.0	32.5	78.5	55	85	**74.95**
63 x 2"	2 3/4"	10	27.0	31.5	85.5	69	103	**97.30**



BIROM

DRIEDELIGE KOPPELINGEN
RACCORDS D'ADAPTATION 3 PIECES
SOCKETS UNIONS

Inlegstuk: PP met lasmof
Puntstuk: messing met parallel buitendraad
Wartelmoer: PP
Afdichting: O-ring EPDM

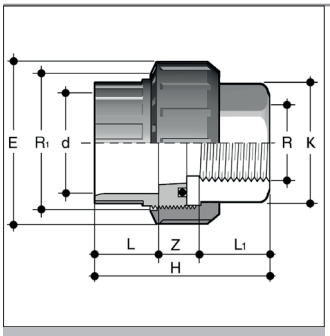
Pièce folle: PP, côté femelle à souder
Pièce taraudée: laiton, mâle à filetage pararell
Ecrou: PP
Etanchéité: joint torique EPDM

Insert: PP, socket for socket welding
Close end: brass with parallel male threaded
Union nut: PP
Sealing: O-ring EPDM

d x R	R1	PN	L1	Z	H	K	E	€/ST/PC
20 x 1/2"	1"	10	13.5	37.5	65.0	25	47	**34.73**
25 x 3/4"	1 1/4"	10	15.0	40.5	71.5	32	58	**42.00**
32 x 1"	1 1/2"	10	17.5	42.5	78.0	38	65	**53.97**
40 x 1 1/4"	2"	10	19.5	47.5	87.0	48	78	**71.17**
50 x 1 1/2"	2 1/4"	10	19.5	52.5	95.0	55	85	**87.71**
63 x 2"	2 3/4"	10	24.0	62.5	113.5	69	103	**113.06**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



BIFXM

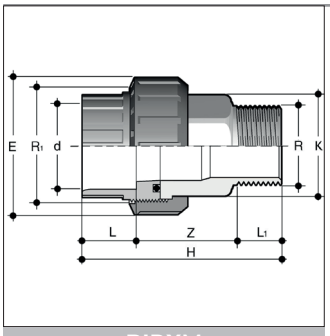
DRIEDELIGE KOPPELINGEN
RACCORDS D'ADAPTATION 3 PIECES
SOCKETS UNIONS

Inlegstuk: PP met lasmof
Puntstuk: RVS A316 L met BSP binnendraad
Wartelmoer: PP
Afdichting: O-ring EPDM of FPM

Pièce folle: PP, côté femelle à souder
Pièce taraudée: inox A316 L, femelle à filetage BSP
Ecrou: PP
Etanchéïté: joint torique EPDM / FPM

Insert: PP, socket for socket welding
Close end: BSP threaded A316 L stainless steel female
Union nut: PP
Sealing: O-ring EPDM or FPM

d x R	R1	PN	L1	Z	L	H	K	E	€/ST/PC EPDM	€/ST/PC FPM
20 x 1/2"	1"	16	16.5	16.0	16	48.5	25	41	**136.53**	**139.38**
25 x 3/4"	1 1/4"	16	18.5	17.0	19	54.5	32	50	**165.88**	**168.84**
32 x 1"	1 1/2"	16	19.5	18.0	22	59.5	38	58	**193.22**	**197.47**
40 x 1 1/4"	2"	16	21.5	21.0	26	68.5	48	72	**233.56**	**240.99**
50 x 1 1/2"	2 1/4"	16	23.0	30.5	31	84.5	55	79	**256.16**	**265.77**
63 x 2"	2 3/4"	16	27.0	29.5	38	94.5	69	98	**281.46**	**292.75**



BIRXM

DRIEDELIGE KOPPELINGEN
RACCORDS D'ADAPTATION 3 PIECES
SOCKETS UNIONS

Inlegstuk: PP met lasmof
Puntstuk: RVS A316 L met BSP buitendraad
Wartelmoer: PP
Afdichting: O-ring EPDM of FPM

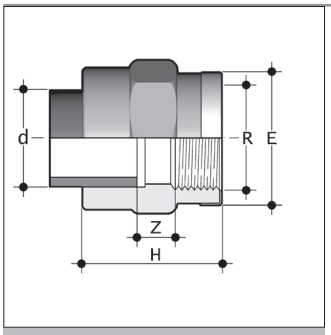
Pièce folle: PP, côté femelle à souder
Pièce taraudée: inox A316 L, mâle à filetage BSP.
Ecrou: PP
Etanchéité: joint torique EPDM ou FPM

Insert: PP, socket for socket welding
Close end: BSP threaded A316 L stainless steel male
Union nut: PP
Sealing: O-ring EPDM or FPM

d x R	R1	PN	L1	Z	L	H	K	E	€/ST/PC EPDM	€/ST/PC FPM
20 x 1/2"	1"	16	13.5	35.5	16	65.0	25	41	**153.60**	**156.52**
25 x 3/4"	1 1/4"	16	15.0	38.5	19	72.5	32	50	**184.97**	**187.95**
32 x 1"	1 1/2"	16	17.5	40.5	22	80.0	38	58	**221.69**	**227.11**
40 x 1 1/4"	2"	16	19.5	45.5	26	91.0	48	72	**286.56**	**293.96**
50 x 1 1/2"	2 1/4"	16	19.5	50.5	31	101.0	55	79	**299.78**	**309.44**
63 x 2"	2 3/4"	16	24.0	60.5	38	122.5	69	98	**327.01**	**338.34**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



MIMM

OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

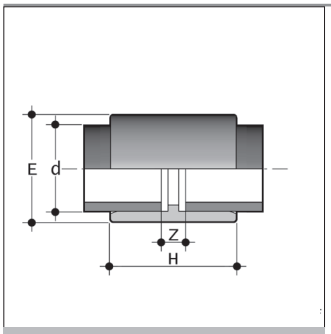
PN 10

Gespoten.
Eén zijde inwendige lasmof, andere zijde cylindrische binnendraad met RVS versterkingsring.

Injectés.
Un côté femelle à souder, un côté femelle à filetage cylindrique renforcé d'une bague en inox.

Moulded.
One end for socket welding, other end with interior parallel thread with RVS reinforcing ring.

D x R	H	Z	E	€/ST/PC
20 x 1/2"	37.5	8.5	30	**6.11**
25 x 3/4"	40.0	8.0	39	**7.72**
32 x 1"	44.0	7.0	47	**9.78**
40 x 1 1/4"	49.0	8.0	55	**11.77**
50 x 1 1/2"	53.5	9.0	66	**19.37**
63 x 2"	62.0	9.0	83	**24.43**



MIM

SOKKEN
MANCHONS
SOCKETS

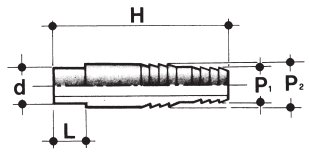
PN 10

Gespoten.
Injectés.
Moulded.

D	H	Z	E	€/ST/PC
20	36.5	7.5	27.5	**3.18**
25	40.0	8.0	33.5	**3.60**
32	44.5	8.5	42.0	**4.13**
40	48.5	7.5	52.0	**4.94**
50	55.5	8.2	63.0	**9.39**
63	64.0	9.0	77.5	**14.31**
75	72.0	10.0	91.0	**19.95**
90	81.0	10.0	109.0	**28.44**
110	93.0	10.0	132.0	**44.67**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



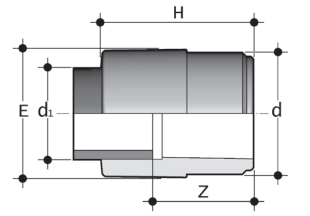
AIM

SLANGPILAREN
EMBOUTS CANNELES
HOSE ADAPTORS

PN 10

Gespoten, met uitwendig laseinde.
Injectés, un côté mâle à souder.
Moulded, with exterior welding end.

D x P1 x P2	L	H	€/ST/PC
20 x 20 x 22	16	67	**4.63**
25 x 25 x 27	18	81	**5.92**
32 x 32 x 30	20	95	**7.15**
40 x 40 x 42	22	104	**12.40**
50 x 50 x 52	25	111	**15.47**
63 x 60 x 64	29	122	**17.75**



RIM

VERLOOPSTUKKEN
REDUCTIONS
REDUCERS

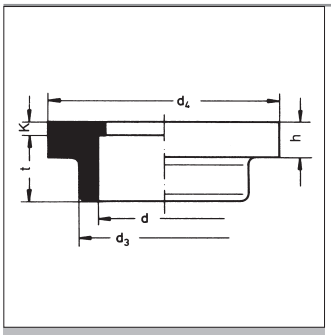
PN 10

Gespoten, met in- en uitwendig laseinde.
Injectés, côté mâle et femelle à souder.
Moulded, with interior and exterior welding ends.

D x D1	H	Z	E	g	€/ST/PC
25 x 20	39.0	24.5	28.0	10	**4.35**
32 x 20	43.0	30.0	33.5	13	**5.40**
32 x 25	46.0	30.0	33.5	17	**5.40**
40 x 25	48.0	33.0	42.0	24	**6.11**
40 x 32	51.0	33.0	42.0	27	**6.33**
50 x 32	54.0	36.0	51.5	39	**8.16**
50 x 40	56.5	36.0	51.5	44	**8.00**
63 x 32	61.0	44.0	65.0	69	**9.60**
63 x 50	67.5	44.0	65.0	76	**9.78**
75 x 50	69.0	47.0	77.5	106	**17.52**
75 x 63	74.5	47.0	77.5	115	**17.52**
90 x 63	82.0	56.0	91.5	156	**24.39**
90 x 75	87.5	56.0	91.5	175	**24.39**
110 x 63	93.0	66.0	111.5	290	**33.42**
110 x 90	101.5	66.0	111.5	305	**34.54**

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



QAM

KRAAGBUSSEN GEGROEFD
COLLETS A SURFACE RAINURÉE
STUBS WITH GROOVED SURFACE

PN 10

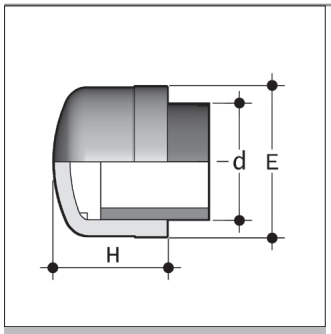
Gespoten
Injectés
Moulded

d	L	d3	d4	h	t	G/ST/PC	€/ST/PC
20	21	27.0	45	10.0	16	0.01	**3.90**
25	23	33.0	58	10.0	18	0.03	**4.13**
32	26	40.8	68	10.0	20	0.03	**4.58**
40	26	50.0	77	10.5	22	0.04	**5.67**
50	30	61.5	88	13.0	24	0.06	**6.77**
63	34	76.6	102	14.0	29	0.09	**8.75**
75	38	91.2	121	16.0	32	0.14	**17.00**
90	40	105.0	138	17.0	37	0.19	**26.24**
110	47	131.0	158	18.0	42	0.29	**38.96**

OVERSCHUIFFLENZEN MET STALEN KERN - PP-GFK
BRIDES LIBRES AVEC NOYAU EN ACIER - PP-GFK
BACKING FLANGES WITH STEEL INSERT - PP-GFK

PN 10

Materiaal: PP, versterkt met 30% glasvezel, met stalen kern. Zie hoofdstuk flenzen.
Matériau: PP, renforcé de 30% de fibres de verre, avec noyau en acier. Voir chapitre brides.
Material: PP +30% glassfibre, moulded with steel insert. See chapter flanges.



CIM

EINDKAPPEN
BOUCHONS FEMELLES
END CAPS

PN 10

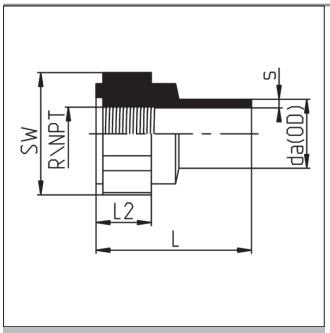
Gespoten.
Injectés.
Moulded.

D	L	E	€/ST/PC
20	24.5	27.5	**4.13**
25	27.0	33.5	**4.13**
32	31.5	42.0	**5.12**
40	35.5	51.0	**6.11**
50	41.0	63.0	**8.59**
63	44.0	77.5	**11.10**
75	48.0	91.0	**20.30**
90	65.0	109.0	**23.47**
110	71.0	132.0	**32.47**

agru

moflasfittings
raccords pour le soudage dans l'emboîture
fittings for socket welding

PP



MAFM

OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

PN 10

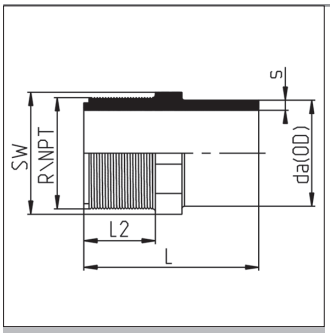
Gespoten, S-5/SDR 11.
Eén zijde binnendraad. GFK versterkt.
Alleen geschikt voor kunststof draadverbindingen.

Injectés, S-5/SDR 11.
Un côté femelle. Renforcé fibre de verre.
Uniquement pour des connection matières synthétiques.

Moulded, S-5/SDR 11.
One end female threaded. Glassfiber reinforced.
Only for plastic threaded connections.

d	dsp	L	L2	t	K	E	SW	R	KG/ST/PC	€/ST/PC
20	29.0	45.0	16.0	16.0	18.63	20.96	32	1/2"	0.018	**7.29**
25	35.0	50.5	18.0	18.0	24.12	26.44	41	3/4"	0.032	**8.25**
32	43.0	57.0	20.0	20.0	30.29	33.25	46	1"	0.045	**10.85**
40	52.5	62.5	22.0	22.0	38.95	41.91	55	1 1/4"	0.066	**12.42**
50	65.0	68.0	25.5	24.5	44.85	47.80	70	1 1/2"	0.124	**19.48**
63	81.0	74.0	30.0	29.5	56.66	59.61	85	2"	0.190	**24.41**

NPT : op aanvraag / sur demande / on request



NAFM

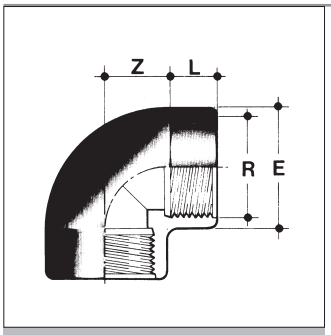
OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

PN 10

Gespoten. Draadaansluiting standaard met BS-draad, NPT-draad op aanvraag.
Injectés. Raccord fileté BS, filetage NPT sur demande.
Moulded. Standard thread, BS, NPT on request.

d	dsp	L	L2	t	K	E	SW	R	KG/ST/PC	€/ST/PC
20	25	51	20	15.0	24.12	26.44	27	3/4"	0.010	**6.85**
25	32	61	24	16.5	30.29	33.25	36	1"	0.024	**8.69**
32	40	66	27	18.6	38.95	41.91	46	1 1/4"	0.040	**10.47**
40	50	74	29	21.0	44.85	47.80	55	1 1/2"	0.062	**17.13**
50	63	78	31	24.0	56.66	59.61	65	2"	0.092	**21.63**

NPT : op aanvraag / sur demande / on request

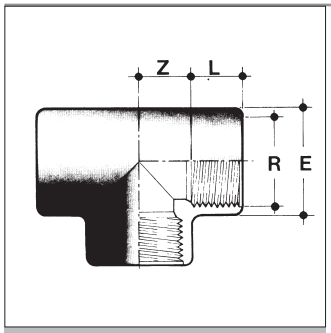


GFM

KNIEEN 90°
COUDES A 90°
ELBOWS 90°

Beide zijden cylindrische binnendraad.
Deux côtes femelles à filetage cylindrique.
Both ends with interior parallel thread.

R	L	Z	E	€/ST/PC
3/8”	15.5	7.5	24.5	**3.80**
1/2”	16.5	11.0	29.5	**5.16**
3/4”	19.5	13.0	35.5	**7.02**
1”	20.0	18.5	43.0	**8.52**
1 1/4”	20.0	20.0	50.0	**13.91**
1 1/2”	26.0	26.0	61.0	**21.59**
2”	32.5	30.5	76.0	**26.75**

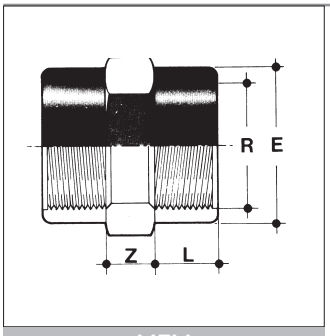


TFM

T-STUKKEN 90°
TES A 90°
TEES 90°

Alle zijden cylindrische binnendraad.
Trois côtés femelles à filetage cylindrique.
All ends with interior parallel thread.

R	L	Z	E	€/ST/PC
3/8”	14.5	8.5	24.5	**5.07**
1/2”	16.5	11.5	29.0	**6.10**
3/4”	19.5	13.0	35.5	**7.52**
1”	20.0	19.5	43.0	**8.96**
1 1/4”	23.0	21.0	57.0	**15.84**
1 1/2”	26.0	27.0	65.5	**24.33**
2”	30.5	33.0	80.5	**29.43**

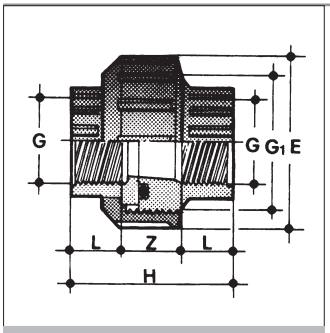


MFM

SOKKEN
MANCHONS
DOUBLE SOCKETS

Beide zijden cylindrische binnendraad.
Deux côtes femelles à filetage cylindrique.
Both ends with interior parallel thread.

R	L	Z	E	€/ST/PC
3/8”	15.0	3.0	24.0	**4.28**
1/2”	16.5	2.5	29.0	**5.07**
3/4”	19.0	4.0	35.0	**5.96**
1”	22.0	3.0	43.5	**7.56**
1 1/4”	23.0	7.0	57.0	**10.76**
1 1/2”	26.0	6.0	65.0	**15.03**
2”	29.5	7.0	80.5	**21.47**



BFM

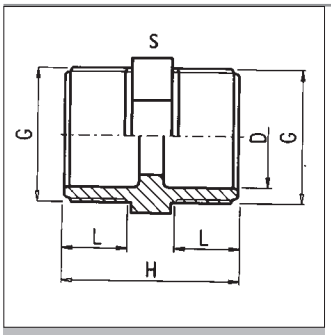
DRIEDELIGE KOPPELINGEN
RACCORDS UNION
SOCKET UNIONS

Alle zijden cylindrische binnendraad.
Afdichting: O-ring FPM.

Trois côtés femelles à filetage cylindrique.
Etanchéïté: joint torique FPM.

All ends with interior parallel thread.
Sealing: O-ring FPM.

R	H	L	Z	E	€/ST/PC
1/2”	51.0	17.0	17.0	53.0	**24.97**
3/4”	56.0	18.0	20.0	62.0	**27.04**
1”	62.0	20.5	21.0	70.0	**30.54**
1 1/4”	68.5	22.5	23.5	81.0	**41.43**
1 1/2”	76.0	25.0	26.0	88.5	**55.94**
2”	85.0	29.0	27.0	104.5	**76.39**

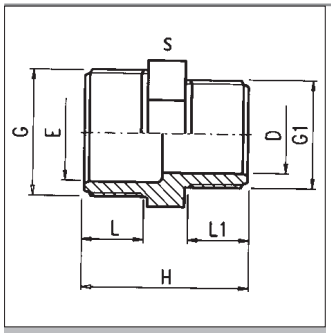


NFM

DUBBELE NIPPELS
MAMELONS DOUBLES
BARREL NIPPLES

Beide zijden cylindrische buitendraad.
Deux côtes mâle à filetage cylindrique.
Both ends with exterior parallel threads.

R	L	D	H	S	€/ST/PC
3/8”	15.0	10.0	36.0	20	**2.96**
1/2”	15.5	13.5	38.0	24	**3.33**
3/4”	16.0	18.0	38.5	27	**4.20**
1”	18.5	23.5	43.5	36	**5.37**
1 1/4”	20.0	30.5	57.5	46	**6.34**
1 1/2”	20.0	35.0	57.5	54	**7.79**
2”	24.0	44.5	66.5	63	**11.71**

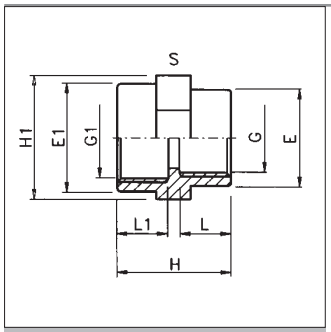


NRFM

VERMINDERINGSNIPPELS
MAMELONS DE REDUCTION
REDUCING BARREL NIPPELS

Beide zijden cylindrische buitendraad.
Deux côtes mâle à filetage cylindrique.
Both ends with exterior parallel threads.

G x G1	L	L1	D	E	H	S	€/ST/PC
3/8” x 1/2”	15.5	15.0	10.0	13.5	37.0	24	**4.00**
1/2” x 3/4”	16.0	15.5	13.5	18.0	38.0	27	**5.23**
3/4” x 1”	18.0	16.0	17.5	24.0	40.0	36	**6.79**
1” x 1 1/4”	20.0	18.5	21.5	30.5	55.0	46	**7.92**
1” x 1 1/2”	20.0	18.5	21.5	35.5	56.0	54	**8.96**
1 1/4” x 1 1/2”	20.0	20.0	30.5	35.5	57.5	54	**9.76**
1 1/2” x 2”	24.0	20.5	35.5	44.5	61.5	64	**14.41**

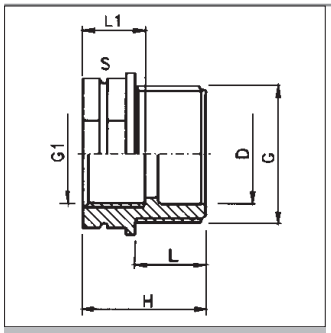


MRFM

VERMINDERINGSMOFFEN
MANCHONS DE REDUCTION
REDUCING SOCKETS

Beide zijden cylindrische binnendraad.
Deux côtes femelles à filetage cylindrique.
Both ends with interior parallel threads.

G x G1	E	E1	L	L1	H1	H	S	€/ST/PC
3/4” x 1/2”	28.5	34.5	16	19.0	38.0	38	36	**5.77**
1” x 3/4”	35.0	42.0	19	23.5	45.5	46	44	**7.56**

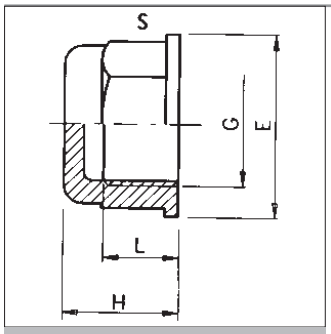


DFM

VERMINDERINGSBUSSEN
DOUILLES DE REDUCTION
REDUCING BUSHES

Met cylindrische binnen- en buitendraad.
Mâle et femelle à filetage cylindrique.
Interior and exterior parallel threads.

G x G_1	H	L	L1	S	€/ST/PC
3/8" x 1/4"	20	10	10	17	**5.17**
1/2" x 3/8"	26.5	16	15	25	**5.17**
3/4" x 1/2"	33.0	18.0	17	27	**5.94**
1" x 3/4"	35.0	19.5	19	36	**8.10**
1 1/4" x 1"	39.0	21.0	19	46	**11.49**
1 1/2" x 1 1/4"	39.0	21.0	21	50	**16.11**
2" x 1 1/2"	43.5	25.5	21	65	**22.94**

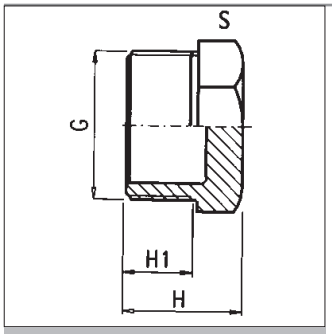


CFM

AFSLUITKAPPEN
BOUCHONS
END CAPS

Met cylindrische binnendraad.
Femelles à filetage cylindrique.
Interior parallel threads.

G	E	L	H	S	€/ST/PC
3/8"	26.5	16.0	19.0	23	**5.24**
1/2"	32.0	16.0	20.5	28	**6.22**
3/4"	38.0	18.0	24.0	33	**6.53**
1"	45.0	18.0	25.0	40	**7.52**
1 1/4"	56.0	20.0	26.5	50	**9.37**
1 1/2"	63.0	23.0	30.0	57	**10.81**
2"	75.0	26.5	36.0	71	**14.98**

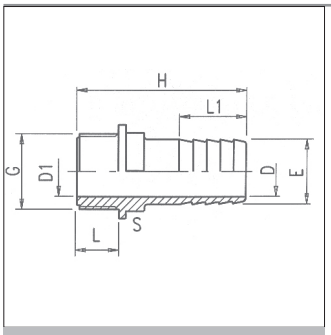


PFM

DRAADSTOPPEN
BOUCHONS MALE
MALE PLUGS

Met cylindrische buitendraad.
Mâle à filetage cylindrique.
Exterior parallel threads.

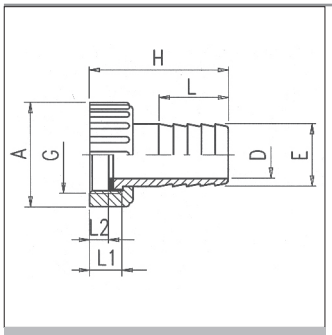
R	H	H1	S	€/ST/PC
3/8"	21.0	13.5	22	**2.96**
1/2"	22.5	14.0	27	**3.33**
3/4"	24.0	15.5	34	**4.20**
1"	25.0	15.5	40	**5.37**
1 1/4"	39.0	20.0	46	**6.34**
1 1/2"	39.0	20.0	55	**7.79**
2"	43.0	24.0	64	**11.71**



AFM

SLANGPILAREN
EMBOUTS CANNELES
HOSE NOZZLES

G x E	L	L1	D	H	CH	DI	€/ST/PC
1/4" x 12	12.0	27	7.0	48.0	15	7.0	**2.35**
3/8" x 16	13.5	33	10.0	62.5	20	10.0	**2.78**
1/2" x 20	13.5	33	15.0	63.0	24	15.0	**5.03**
3/4" x 25	14.5	36	20.0	68.5	30	19.0	**6.47**
1" x 30	14.5	33	24.5	72.0	37	24.5	**7.61**
1 1/4" x 40	15.0	44	34.0	82.0	40	32.0	**14.57**
1 1/2" x 50	15.5	43	43.0	85.5	50	38.5	**17.44**
2" x 60	16.0	47	52.0	89.0	60	50.0	**18.63**



ADM

SLANGPILAREN
EMBOUTS CANNELES
HOSE NOZZLES

Aansluiting met wartelmoer met cylindrische binnendraad.
Afdichting : vlakke EPDM ring.

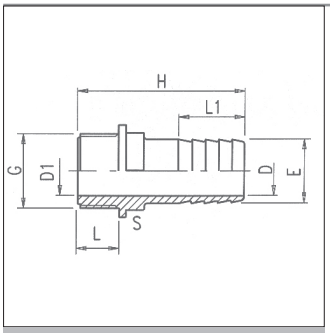
Raccordement par écrou femelle à filetage cylindrique.
Etanchéïté : joint plat EPDM.

Connection with parallel threaded nut connection.
Flat seal : EPDM.

G x E	L1	L2	L	D	H	A	€/ST/PC
3/8" x 12	15.0	9.0	28	7.5	47.0	23.0	**8.55**
1/2" x 16	16.0	10.0	33	10.0	61.0	27.5	**11.22**
3/4" x 20	17.0	11.0	33	15.0	62.0	33.0	**12.03**
1" x 25	18.5	12.0	37	19.5	68.0	40.5	**14.57**
1 1/4" x 30	18.5	11.5	33	24.5	72.0	51.0	**18.63**
1 1/2" x 40	19.0	12.0	44	33.5	81.5	57.0	**29.37**
2" x 50	19.0	12.5	43	43.5	84.5	69.5	**37.64**

draadfittings - donkergrijs
raccords filetés - gris foncé
threaded fittings - dark grey

PP



AFM

KUNSTSTOF SLANGKOPPELINGEN
EMBOUTS CANNELES EN MATIERE PLASTIQUE
HOSE NOZZLES

PP slangpilaar met buitenschroefdraad. Alleen voor gebruik met water (H_2O)
Opmerking : ook verkrijgbaar in PA uitvoering.

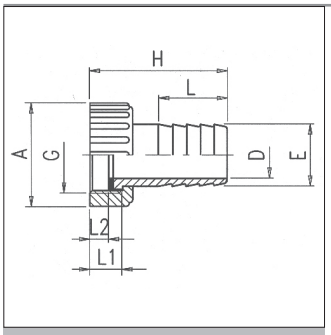
Embout cannelé en PP à filetage extérieur. Uniquement pour l'eau (H_2O)
Remarque : également disponible en PA.

PP hose coupling with exterior thread. Only for use with water (H_2O)
Remark : also available in PA.

G x E	L	L1	D	H	S	DI	€/ST/PC
1/4" x 7	12.0	17.0	4.0	39.5	15	7.0	**1.24**
1/4" x 9	11.5	22.5	5.5	47.0		7.0	**1.24**
1/4" x 10	12.0	22.0	7.0	47.0		7.0	**1.26**
1/4" x 12	12.0	27.0	7.5	48.0	15	7.0	**1.26**
3/8" x 7	13.5	17.0	4.0	41.0	20	10.0	**1.35**
3/8" x 10	13.5	22.0	6.0	46.5	20	10.0	**1.35**
3/8" x 12	13.5	27.0	7.5	52.0	20	10.0	**1.35**
3/8" x 13	11.0	25.0	7.5	49.5		10.0	**1.35**
3/8" x 16	13.5	33.0	10.0	63.0	20	10.0	**1.56**
1/2" x 10	13.0	22.5	6.0	52.5		14.0	**1.40**
1/2" x 12	14.5	27.0	7.5	58.0		14.0	**1.40**
1/2" x 13	11.5	25.5	8.0	52.0	22	14.0	**1.40**
1/2" x 16	13.5	33.0	10.0	62.5	20	14.0	**1.58**
1/2" x 19	14.5	30.5	14.5	64.5		14.0	**1.74**
1/2" x 20	13.5	33.0	15.0	63.0	24	15.0	**1.74**
3/4" x 10	14.5	22.0	6.0	50.0	19	19.0	**1.51**
3/4" x 12	14.5	27.0	7.5	56.0	19	19.0	**1.51**
3/4" x 13	14.5	25.0	8.0	57.5	27	18.0	**1.51**
3/4" x 16	14.5	33.0	11.0	63.5	20	19.0	**1.72**
3/4" x 20	14.5	33.0	15.0	64.0	24	19.0	**1.76**
3/4" x 22	16.0	33.5	16.0	68.0		18.0	**1.88**
3/4" x 25	14.5	36.0	20.0	69.5	30	19.5	**1.88**
1" x 20	14.5	33.0	14.5	65.0	24	24.0	**2.04**
1" x 25	14.5	37.0	20.0	69.0	30	24.0	**2.06**
1" x 30	14.5	35.0	24.5	72.5	37	24.0	**2.31**
1" x 32	14.5	43.0	26.0	73.0	37	25.0	**2.39**
1 1/4" x 25	15.0	37.0	20.0	70.0	30	32.0	**2.87**
1 1/4" x 30	15.0	38.0	25.0	74.0	32	32.0	**3.23**
1 1/4" x 32	15.0	43.0	26.5	77.5	32	32.0	**3.55**
1 1/4" x 35	15.5	43.0	29.0	77.5	35	32.5	**3.69**
1 1/4" x 38	15.5	42.5	32.0	82.0	40	32.5	**4.17**
1 1/4" x 40	15.5	43.0	34.0	82.0	40	32.5	**4.17**
1 1/2" x 38	16.0	43.0	32.0	82.0	40	38.5	**4.57**
1 1/2" x 40	16.0	44.0	34.0	82.0	40	38.0	**4.57**
1 1/2" x 50	16.0	43.0	43.5	86.0	50	38.5	**5.14**
2" x 50	16.5	43.0	43.0	86.0	50	48.5	**6.38**
2" x 60	16.5	47.0	52.0	89.0	60	50.5	**9.15**

draadfittings - donkergrijs
raccords filetés - gris foncé
threaded fittings - dark grey

PP



ADM

KUNSTSTOF SLANGKOPPELINGEN
EMBOUTS CANNELES EN MATIERES PLASTIQUES
HOSE NOZZLES

PP slangpilaar met binnenschroefdraad en losdraaiende wartel. Dichting EPDM
Alleen voor gebruik met water (H_2O)
Opmerking : ook verkrijgbaar in PA uitvoering.

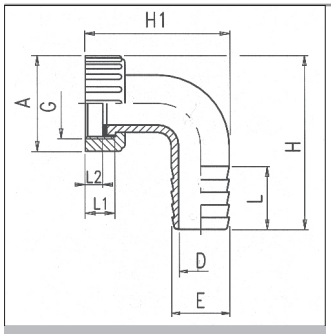
Embout cannelé en PP à filetage intérieur et écrou libre. Joint en EPDM
Uniquement pour l'eau (H_2O)
Remarque : également disponible en PA.

PP hose coupling with interior thread and free union nut. EPDM gasket
Only for use with water (H_2O)
Remark : also available in PA.

G x E	L_1	L_2	L	D	H	A	€/ST/PC
1/4" x 7	13.5	8.5	12.0	4.0	38.0	20.0	**2.13**
3/8" x 9	15.0	9.5	22.0	5.0	47.0	23.0	**2.34**
3/8" x 10	15.0	10.0	22.0	6.0	45.0	23.0	**2.34**
3/8" x 12	15.0	9.5	27.0	7.5	47.5	23.0	**2.34**
1/2" x 10	10		28.0	8.0	50.0	28.0	**2.64**
1/2" x 13	16.0	9.5	28.5	8.5	52.0	27.5	**2.64**
1/2" x 16	16.0	9.5	33.0	10.0	61.5	27.5	**2.78**
3/4" x 10	17.0	11.5	22.0	6.0	47.0	33.0	**2.82**
3/4" x 12	17.0	11.0	27.0	7.5	53.5	33.0	**2.82**
3/4" x 13	17.0	11.5	28.0	8.5	53.0	33.0	**2.82**
3/4" x 16	17.0	11.0	33.0	10.0	62.5	33.0	**2.86**
3/4" x 19	17.0	11.0	33.0	14.5	62.5	33.0	**3.02**
3/4" x 20	17.0	10.5	33.0	14.5	63.5	33.0	**3.02**
1" x 19	11.5		32.5	14.5	57.0	42.5	**3.28**
1" x 20	18.0	11.5	33.0	14.5	65.0	41.5	**3.28**
1" x 22	18.0	11.5	37.0	16.5	69.0	41.5	**3.28**
1" x 25	18.0	12.0	36.0	20.0	69.0	41.5	**3.33**
1 1/4" x 20	19.0	11.0	33.0	14.5	65.0	51.0	**4.08**
1 1/4" x 25	19.0	11.5	36.0	20.0	69.0	51.0	**4.09**
1 1/4" x 30	19.0	11.5	35.0	24.5	72.5	51.0	**4.65**
1 1/4" x 32	19.0	12.0	43.0	26.0	73.0	51.0	**4.65**
1 1/2" x 38	12.0		43.0	32.0	81.0	57.0	**5.98**
1 1/2" x 40	19.0	12.0	43.0	33.5	82.0	57.0	**5.89**
2" x 50	18.5	11.5	43.0	43.0	84.0	71.0	**7.88**

draadfittings - donkergrijs
raccords filetés - gris foncé
threaded fittings - dark grey

PP



AGDM

KUNSTSTOF SLANGKOPPELINGEN
EMBOUTS CANNELES EN MATIERES PLASTIQUES
HOSE NOZZLES

Gebogen PP slangpilaar met binnenschroefdraad en losdraaiende wartel. Eveneens leverbaar met driedelige koppeling.Dichting in EPDM Alleen voor gebruik met water (H_2O)
Opmerking : ook verkrijgbaar in PA uitvoering.

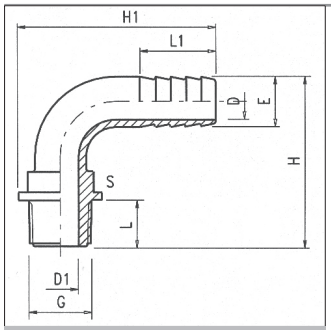
Embout cannelé courbé en PP à filetage intérieur et écrou libre. Aussi livrable avec raccord union. Joint en EPDM. Uniquement pour l'eau (H_2O).
Remarque : également disponible en PA.

Curved PP hose coupling with interior thread and free nut. Also available with socket union coupling. EPDM gasket. Only for use with water (H_2O)
Remark : also available in PA.

G x E	L_1	L_2	L	D	H	H_1	A	€/ST/PC
1/2" x 10		10.5	30	7.0	58	49	27.5	**3.88**
1/2" x 12	16.0	10.5	30	7.0	58	50	27.5	**3.88**
3/4" x 12	17.0	12.0	30	7.0	61	50	33.0	**4.22**
3/4" x 16	12.5	7.0	30	11.0	62	48	33.0	**4.40**
3/4" x 19		8.0	33	11.0	73	56	33.0	**4.57**
3/4" x 20	12.5	7.0	33	15.0	73	56	33.0	**4.57**
1" x 22	15.5	10.0	30	17.0	81	60	40.5	**5.21**
1" x 25	15.5	10.0	30	19.5	82	61	40.5	**5.21**
1 1/4" x 25	19.0	12.0	30	19.5	87	64	51.0	**5.98**
1 1/4" x 30	19.0	11.5	28	24.5	94	72	51.0	**6.39**
1 1/4" x 32	19.0	11.5	32	24.5	94	73	51.0	**6.53**
1 1/2" x 38		11.5	35	33.0	106	90	57.5	**5.73**
1 1/2" x 40	19.0	11.5	35	33.0	103	95	57.0	**9.56**
2" x 50	18.5	12.0	35	42.0	120	97	71.0	**12.50**

draadfittings - donkergrijs
raccords filetés - gris foncé
threaded fittings - dark grey

PP



AGFM

KUNSTSTOF SLANGKOPPELINGEN
EMBOUTS CANNELES EN MATIERES PLASTIQUES
HOSE NOZZLES

Gebogen PP slangpilaar met buitenschroefdraad. Alleen voor gebruik met water (H_2O)
Opmerking : ook verkrijgbaar in PA uitvoering.

Embout cannelé courbé en PP à filetage extérieur. Uniquement pour l'eau (H_2O).
Remarque : également disponible en PA.

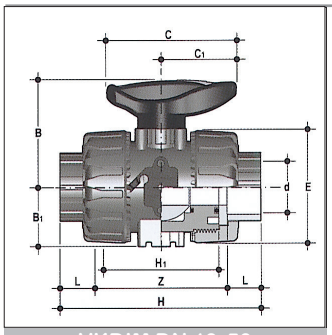
Curved PP hose coupling with exterior thread. Only for use with water (H_2O)
Remark : also available in PA.

G x E	L_1	L	D	H	Hl	S	Dl	€/ST/PC
3/8 " x 10								**2.43**
3/8" x 12	12.5	30	7.0	43.0	55	15	10.0	**2.43**
3/8" x 13								**2.43**
1/2" x 12	13.5	30	7.0	44.0	57	19	14.0	**2.59**
1/2" x 13	13.5	30	7.0	44.5	57	19	14.0	**2.59**
1/2" x 16	13.5	30	11.0	47.0	57	19	14.0	**2.78**
1/2" x 20	13.5	33	15.0	61.0	70	24	15.5	**3.02**
1/4" x 10								**2.27**
1/4" x 12								**2.27**
3/4" x 12	14.5	30	7.0	45.0	60	19	19.0	**2.78**
3/4" x 20	14.5	33	15.0	64.0	72	24	19.0	**2.98**
3/4" x 22	14.5	30	17.0	62.0	78	30	20.0	**3.55**
3/4" x 25	14.5	30	19.5	64.0	78	30	20.0	**3.55**
1" x 22	14.5	30	17.0	65.0	80	30	21.0	**3.57**
1" x 25	14.5	30	19.5	66.0	81	30	19.5	**3.57**
1" x 30	14.5	28	24.5	68.0	87	37	24.5	**4.36**
1" x 32	14.5	32	24.5	69.0	87	37	24.5	**4.57**
1 1/4" x 30	15.5	28	24.5	73.0	91	32	32.5	**4.65**
1 1/4" x 32	15.5	32	24.5	74.0	91	32	32.5	**4.75**
1 1/4" x 38								**5.21**
1 1/2" x 38								**5.53**
1 1/2" x 40	15.0	35	33.0	85.0	102	40	38.5	**5.53**

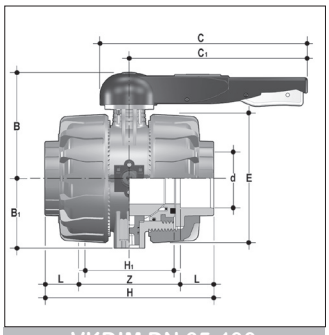
kranen
vannes
valves

DUAL BLOCK®

PP



VKDIM DN 10-50



VKDIM DN 65-100

KOGELKRANEN
VANNES A BILLE
BALL VALVES

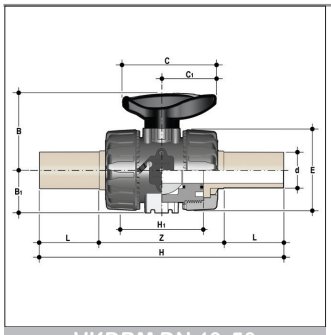
2-Wegkogelafsluiter, Dual Block® met metrische Inwendige lasuiteinden.
Zittingen PTFE/EPDM, PTFE/FPM.

Robinets à bille Dual Block® tournant sphérique à 2 voies. Avec bouts femelles à souder.
Sièges PTFE/EPDM, PTFE/FPM.

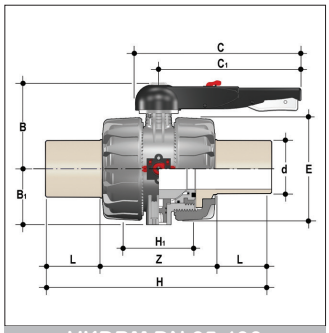
2-Way ball valve Dual Block® with lockable nuts, metric series plain female ends for welding sockets.. Seats PTFE/EPDM, PTFE/FPM.

D	DN	Z	H	H1	E	B	B1	C	C1	PN	G/ST/PC	€/ST/PC EPDM	FPM
16	10	74.5	102	65	54	54.0	29.0	67	40	10	150	**57.69**	**71.72**
20	15	73.0	102	65	54	54.0	29.0	67	40	10	145	**59.45**	**71.72**
25	20	82.0	114	70	65	65.0	34.5	85	49	10	218	**70.15**	**83.12**
32	25	90.0	126	78	73	69.5	39.0	85	49	10	298	**86.67**	**106.01**
40	32	100.0	141	85	86	82.5	46.0	108	64	10	480	**107.43**	**129.00**
50	40	117.0	164	93	98	89.0	52.0	108	64	10	682	**139.00**	**163.97**
63	50	144.0	199	111	122	108.0	62.0	134	76	10	1166	**173.28**	**219.14**
75	65	147.0	213	133	162	164.0	87.0	327	272	10	3090	**379.92**	**479.01**
90	80	168.0	239	149	202	177.0	105.0	327	272	10	5080	**477.54**	**602.15**
110	100	186.0	268	167	236	195.0	129.0	385	330	10	7725	**578.18**	**702.73**

kranen vannes BLOCK® **DUAL** **PP**



VKDBM DN 10-50



VKDBM DN 65-100

KOGELKRANEN
VANNES A BILLE
BALL VALVES

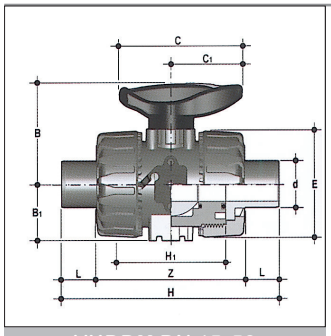
2-Wegkogelafsluiter, Dual Block® met verlengde mannelijke laseinden PP-H SDR11 voor spiegellas. (bvb. IR las) of electromoflas.
Zittingen PTFE/EPDM, PTFE/FPM.

Robinets à bille Dual Block® tournant sphérique à 2 voies. Embouts mâles longues PP-H SDR11 pour soudage bout à bout (p.e. soudage IR) ou électrosoudage.
Sièges PTFE/EPDM, PTFE/FPM.

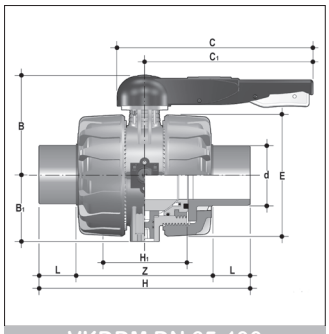
2-Way ball valve Dual Block® with lockable nuts, with long spigot male ends PP-H SDR11 for butt welding (e.g. IR welding) or electrofusion welding.
Seats PTFE/EPDM, PTFE/FPM.

D	DN	Z	H	H1	E	B	B1	C	C1	L	PN	G/ST/PC	€/ST/PC EPDM	FPM
20	15	94	175	65	54	54	29	67	40	40.5	10	220	**73.27**	**87.55**
25	20	106	212	70	65	65	35	85	49	54.0	10	340	**85.98**	**102.74**
32	25	117	226	78	73	70	39	85	49	56.0	10	443	**104.33**	**128.88**
40	32	131	246	88	86	83	46	108	64	56.0	10	593	**130.49**	**159.17**
50	40	145	271	93	98	89	52	108	64	60.5	10	945	**168.76**	**200.59**
63	50	161	300	111	122	108	62	134	76	65.5	10	1607	**210.12**	**268.95**
75	65	214	356	133	162	164	87	225	175	71.0	10	3150	**484.22**	**599.19**
90	80	214	390	149	202	177	105	327	272	88.0	10	5240	**609.59**	**754.09**
110	100	247	431	167	236	195	129	385	330	92.0	10	7970	**736.64**	**881.14**

FIP kranen vannes valves **DUAL BLOCK®** **PP**



VKDDM DN 15-50



VKDDM DN 65-100

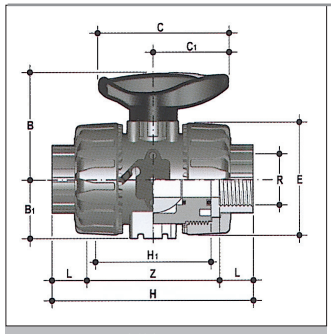
KOGELKRANEN
VANNES A BILLE
BALL VALVES

2-Wegkogelafsluiter, Dual Block® met metrische mannelijke lasuiteinden.
Zittingen PTFE/EPDM, PTFE/FPM.

Robinets à bille Dual Block® tournant sphérique à 2 voies. Avec embouts mâles à souder.
Sièges PTFE/EPDM, PTFE/FPM.

2-Way ball valve Dual Block® with lockable nuts, metric series plain male ends for welding sockets.
Seats PTFE/EPDM, PTFE/FPM.

D	DN	L	H	H1	E	B	B1	C	C1	PN	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
20	15	16	124	65	54	54.0	29.0	67	40	10	153	**59.45**	**69.63**
25	20	19	144	70	65	65.0	34.5	85	49	10	222	**68.12**	**80.72**
32	25	22	154	78	73	69.5	39.0	85	49	10	303	**84.16**	**102.92**
40	32	26	174	88	86	82.5	46.0	108	64	10	485	**104.31**	**125.23**
50	40	31	194	93	98	89.0	52.0	108	64	10	672	**134.96**	**159.18**
63	50	38	224	111	122	108.0	62.0	134	76	10	1176	**168.25**	**213.14**
75	65	44	284	133	162	164.0	87.0	327	272	10	3190	**379.92**	**479.01**
90	80	51	300	149	202	177.0	105.0	327	272	10	5280	**477.54**	**602.15**
110	100	61	340	167	236	195.0	129.0	385	330	10	8010	**578.13**	**702.73**



VKDFM

KOGELKRANEN
VANNES A BILLE
BALL VALVES

2-Wegkogelafsluiter, Dual Block® met vrouwelijke BS draadaansluitingen. NPT op aanvraag.
Zittingen PTFE/EPDM, PTFE/FPM

Robinets à bille Dual Block® avec embouts femelles taraudés BS. NPT sur demande
Sièges PTFE/EPDM, PTFE/FPM.

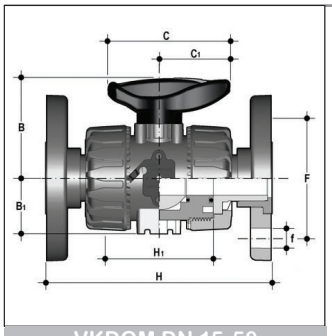
2-Way ball valve Dual Block® with BS parallel threaded female ends. NPT on request.
Seats PTFE/EPDM, PTFE/FPM

R	DN	L	Z	H	H1	E	B	B1	C	C1	PN	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
1/2”	15	15.0	80.0	110	65	54	54.0	29.0	67	40	10	145	**68.12**	**80.71**
3/4”	20	16.3	83.4	116	70	65	65.0	34.5	85	49	10	220	**78.77**	**89.74**
1”	25	19.1	95.8	134	78	73	69.5	39.0	85	49	10	298	**108.53**	**122.36**
1 1/4”	32	21.4	110.2	153	88	86	82.5	46.0	108	64	10	488	**115.38**	**139.08**
1 1/2”	40	21.4	113.2	156	93	98	89.0	52.0	108	64	10	682	**148.79**	**173.83**
2”	50	25.7	134.6	186	111	122	108.0	62.0	134	76	10	1181	**190.63**	**236.45**

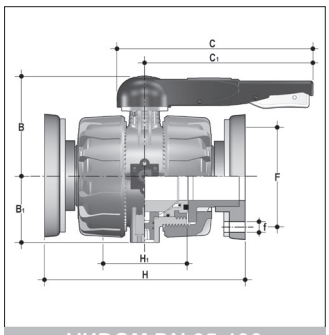
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valves

DUAL BLOCK®

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VKDOM DN 15-50



VKDOM DN 65-100

KOGELKRANEN
VANNES A BILLE
BALL VALVES

2-Wegkogelafsluiter, Dual Block® met DIN 8063, DIN 2501 vaste flenzen.
Inbouwlengte volgens EN 558-1.

Robinets à bille Dual Block® avec brides fixes DIN 8063, DIN 2501.
Encombrement selon EN 558-1.

2-Way ball valve Dual Block® with DIN 8063, DIN 2501 fixed backing rings.
Face to face according EN 558-1.

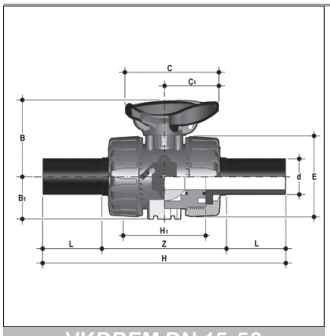
D	DN	H	H1	B	B1	C	C1	F	f	U	PN	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
20	15	130	65	54.0	29.0	67	40	65	14	4	10	387	**116.39**	**134.46**
25	20	150	70	65.0	34.5	85	49	75	14	4	10	504	**136.76**	**154.81**
32	25	160	78	69.5	39.0	85	49	85	14	4	10	697	**176.08**	**197.78**
40	32	180	88	82.5	46.0	108	64	100	18	4	10	1075	**223.10**	**251.87**
50	40	200	93	89.0	52.0	108	64	110	18	4	10	1346	**264.63**	**334.78**
63	50	230	111	108.0	62.0	134	76	125	18	4	10	2060	**339.42**	**378.40**
75	65	290	133	164.0	87.0	327	272	145	17	4	10	4500	**519.90**	**620.40**
90	80	310	149	177.0	105.0	327	272	160	17	8	10	6455	**653.53**	**779.78**
110	100	350	167	195.0	129.0	385	330	180	17	8	10	9090	**791.19**	**932.19**

Aansluiting volgens ANSI op aanvraag.
Raccordement selon ANSI sur demande.
Connection acc. to ANSI on request.

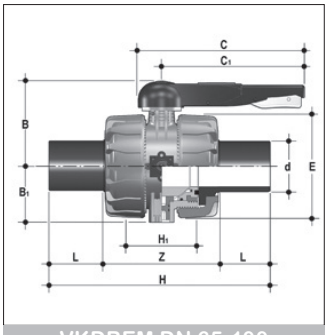
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valves

DUAL BLOCK®

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VKDBEM DN 15-50



VKDBEM DN 65-100

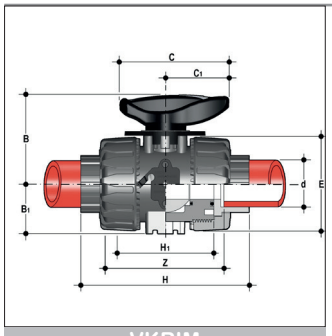
KOGELKRANEN
VANNES A BILLE
BALL VALVES

2-Wegkogelafsluiter, Dual Block® met mannelijke lasuiteinden PE-HD
Zittingen PTFE/EPDM, PTFE/FPM.

Robinets à bille Dual Block® tournant sphérique à 2 voies. Avec embouts mâles à souder en PE-HD. Sièges PTFE/EPDM, PTFE/FPM.

2-Way ball valve Dual Block® with male ends for welding sockets on PE-HD
Seats PTFE/EPDM, PTFE/FPM.

D	DN	L	H	H1	E	B	B1	C	C1	PN	G/ST/PC	€/ST/PC EPDM	FPM
20	15	41	174	65	54	54.0	29.0	67	40	10	153	**64.01**	**76.45**
25	20	52	209	70	65	65.0	34.5	85	49	10	222	**75.18**	**89.74**
32	25	55	221	78	73	69.5	39.0	85	49	10	303	**91.13**	**112.61**
40	32	56	241	88	86	82.5	46.0	108	64	10	485	**114.11**	**139.08**
50	40	58	260	93	98	89.0	52.0	108	64	10	672	**150.55**	**175.21**
63	50	66	293	111	122	108.0	62.0	134	76	10	1176	**183.57**	**234.96**
75	65	71	356	133	162	164	87	327	272	10	3190	**421.43**	**521.46**
90	80	88	390	149	202	177	105	327	272	10	5280	**525.61**	**656.31**
110	100	92	431	167	236	195	129	385	330	10	8010	**635.14**	**759.68**



VKRIM

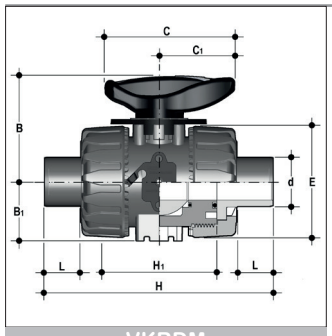
2 WEG KOGELKRANEN VOOR LINEAIRE DEBIETREGELING
VANNES A BILLE A 3 VOIES POUR REGULATION LINEAIRE DU DEBIT
2 WAY BALL VALVES FOR LINEAR FLOW CONTROL

Vrouwelijke lasmof.
Volledig uitwisselbaar met kogelkranen type VK Dual Block®.
Bereik: 0-90° / monodirectioneel. Met schaalverdeling per 5°
Op aanvraag: elektrisch met posi 4-20mA / pneumatisch met klepstandsteller 4-20mA.

Bouts femelles à souder.
Complètement interchangeable avec les robinets à bille VK Dual Block®.
Portée: 0-90° / mono directionnel. Graduation visuelle par 5°.
Sur demande: actuateur électrique avec Posi 4-20mA / actuateur pneumatique avec positioneur 4-20mA.

Spigots for socket welding.
Complete interchangeability with VK Dual Block® series.
Range of use: 0-90° / unidirectional flow. Accuracy of the reading position 5°.
On request: electric actuator with Posi card 4-20mA / pneumatic actuator with positioner 4-20mA.

D	DN	PN	B	B_1	C	C_1	E	H_1	L	Z	H	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
16	10	10	54.0	29.0	67	40	54	65	14.0	74.5	102	150	**196.00**	**205.96**
20	15	10	54.0	29.0	67	40	54	65	14.5	73.0	102	145	**196.16**	**206.02**
25	20	10	65.0	34.5	85	49	65	70	16.0	82.0	114	218	**217.37**	**227.82**
32	25	10	69.5	39.0	85	49	73	78	18.0	90.0	126	298	**256.22**	**271.85**
40	32	10	82.5	46.0	108	64	86	88	20.5	100.0	141	480	**287.09**	**304.55**
50	40	10	89.0	52.0	108	64	98	93	23.5	117.0	164	682	**356.33**	**376.53**
63	50	10	108.0	62.0	134	76	122	111	27.5	144.0	199	1166	**379.22**	**416.30**



VKRDM

2 WEG KOGELKRANEN VOOR LINEAIRE DEBIETREGELING
VANNES A BILLE A 3 VOIES POUR REGULATION LINEAIRE DU DEBIT
2 WAY BALL VALVES FOR LINEAR FLOW CONTROL

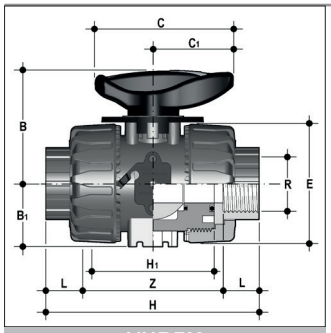
Mannelijke lasmof.
Volledig uitwisselbaar met kogelkranen type VK Dual Block®.
Bereik: 0-90° / monodirectioneel. Met schaalverdeling per 5°
Op aanvraag: elektrisch met posi 4-20mA / pneumatisch met klepstandsteller 4-20mA.

Bouts mâles à souder.
Complètement interchangeable avec les robinets à bille VK Dual Block®.
Portée: 0-90° / mono directionnel. Graduation visuelle par 5°.
Sur demande: actuateur électrique avec Posi 4-20mA / actuateur pneumatique avec positioneur 4-20mA.

Spigots for socket welding.
Complete interchangeability with VK Dual Block® series.
Range of use: 0-90° / unidirectional flow. Accuracy of the reading position 5°.
On request: electric actuator with Posi card 4-20mA / pneumatic actuator with positioner 4-20mA.

D	DN	PN	B	B_1	C	C_1	E	H_1	H	L	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
16	10	10	54.0	29.0	67	40	54	-	-	-	-	**196.00**	**205.96**
20	15	10	54.0	29.0	67	40	54	65	124	16	153	**196.16**	**206.02**
25	20	10	65.0	34.5	85	49	65	70	144	18	222	**217.37**	**227.82**
32	25	10	69.5	39.0	85	49	73	78	154	20	303	**256.22**	**271.85**
40	32	10	82.5	46.0	108	64	86	88	174	22	485	**287.09**	**304.55**
50	40	10	89.0	52.0	108	64	98	93	194	23	672	**356.33**	**376.53**
63	50	10	108.0	62.0	134	76	122	111	224	29	1176	**379.22**	**416.30**

FIP kranen vannes valves **DUAL BLOCK®** **PP**



VKRFM

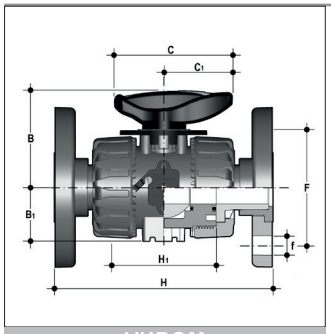
2 WEG KOGELKRANEN VOOR LINEAIRE DEBIETREGELING
VANNES A BILLE A 3 VOIES POUR REGULATION LINEAIRE DU DEBIT
2 WAY BALL VALVES FOR LINEAR FLOW CONTROL

Inwendige draadaansluiting BS.
Volledig uitwisselbaar met kogelkranen type VK Dual Block.
Bereik: 0-90° / monodirectioneel. Met schaalverdeling per 5°
Op aanvraag: elektrisch met posi 4-20mA / pneumatisch met klepstandsteller 4-20mA.

Bouts femelles filletés BS.
Complètement interchangeable avec les robinets à bille VK Dual Block.
Portée: 0-90° / mono directionnel. Graduation visuelle par 5°.
Sur demande: actuateur électrique avec Posi 4-20mA / actuateur pneumatique avec positioneur 4-20mA.

BS parallel treaded sockets.
Complete interchangeability with VK Dual Block series.
Range of use: 0-90° / unidirectional flow. Accuracy of the reading position 5°.
On request: electric actuator with Posi card 4-20mA / pneumatic actuator with positioner 4-20mA.

R	DN	PN	B	B1	C	C1	E	H	H1	L	Z	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
3/8”	10	10	54.0	29.0	67	40	54	103	65	-	-	-	**204.81**	**215.26**
1/2”	15	10	54.0	29.0	67	40	54	110	65	15	80	145	**204.81**	**215.26**
3/4”	20	10	65.0	34.5	85	49	65	116	70	16	83	220	**224.30**	**235.32**
1”	25	10	69.5	39.0	85	49	73	134	78	19	96	298	**276.47**	**288.03**
11/4”	32	10	82.5	46.0	108	64	86	153	88	21	110	488	**296.35**	**316.05**
11/2”	40	10	89.0	52.0	108	64	98	156	93	21	113	682	**367.83**	**388.68**
2”	50	10	108.0	62.0	134	76	122	186	111	26	135	1181	**397.82**	**436.03**



VKROM

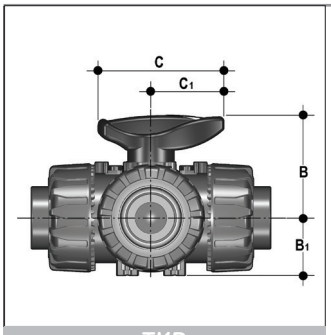
2 WEG KOGELKRANEN VOOR LINEAIRE DEBIETREGELING
VANNES A BILLE A 3 VOIES POUR REGULATION LINEAIRE DU DEBIT
2 WAY BALL VALVES FOR LINEAR FLOW CONTROL

Volledig uitwisselbaar met kogelkranen type VK Dual Block® met DIN 8063, DIN 2501 vaste flenzen. Inbouwlengte volgens EN 558-1.
Bereik: 0-90° / monodirectioneel. Met schaalverdeling per 5°
Op aanvraag: elektrisch met posi 4-20mA / pneumatisch met klepstandsteller 4-20mA.

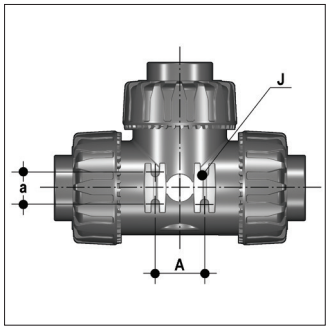
Complètement interchangeable avec les robinets à bille VK Dual Block® avec brides fixes DIN 8063, DIN 2501. Encombrement selon EN 558-1.
Portée: 0-90° / mono directionnel. Graduation visuelle par 5°.
Sur demande: actuateur électrique avec Posi 4-20mA / actuateur pneumatique avec positioneur 4-20mA.

Complete interchangeability with VK Dual Block® with DIN 8063, DIN 2501 fixed backing rings. Face to face according EN 558-1.
Range of use: 0-90° / unidirectional flow. Accuracy of the reading position 5°.
On request: electric actuator with Posi card 4-20mA / pneumatic actuator with positioner 4-20mA.

D	DN	PN	B	B1	C	C1	F	H	H1	U	f	Sp	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
20	15	10	54.0	29.0	67	40	65	130	65	4	14	11	387	**244.94**	**259.93**
25	20	10	65.0	34.5	85	49	75	150	70	4	14	14	504	**274.40**	**289.48**
32	25	10	69.5	39.0	85	49	85	160	78	4	14	14	697	**328.47**	**350.77**
40	32	10	82.5	46.0	108	64	100	180	88	4	18	14	1075	**385.98**	**409.89**
50	40	10	89.0	52.0	108	64	110	200	93	4	18	16	1346	**464.23**	**481.56**
63	50	10	108.0	62.0	134	76	125	230	111	4	18	16	2060	**510.79**	**554.10**



TKD



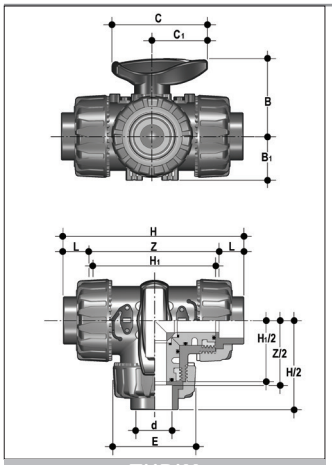
3 WEG KOGELKRANEN
VANNES A BILLE A 3 VOIES
3 WAY BALL VALVES

Radiaal demonteerbaar PN 16.
Demontage in stroomafwaartse richting mogelijk met de afsluiter in de gesloten stand.

Démontable radialement PN 16.
Démontage du raccord possible en direction aval, avec la vanne en position fermée.

Radial disassembling PN 16.
Option of dismounting downstream pipes with the valve in closed position.

D	DN	B	B_1	C	C_1	a	A	J
20	15	54	29	67	40	20	31	M5
25	20	65	35	85	49	20	31	M5
32	25	70	39	85	49	20	31	M5
40	32	83	46	108	64	30	50	M6
50	40	89	52	108	64	30	50	M6
63	50	108	62	134	76	30	50	M6



TKDIM

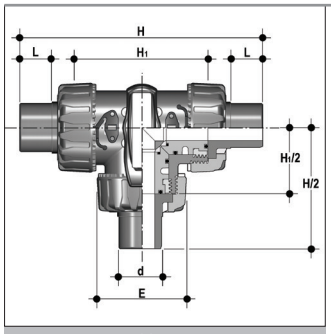
3 WEG KOGELKRANEN
VANNES A BILLE A 3 VOIES
3 WAY BALL VALVES

PN 10

Moflasaansluiting, T-boring
Bouts femelles à souder, perçage-T
Welding sockets, T-bore

d	DN	E	H	H1	Z	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM
20	15	54	117	80	88	195	**134.80**	**156.92**
25	20	65	144	100	112	350	**156.35**	**179.44**
32	25	73	158	110	122	505	**200.57**	**230.24**
40	32	86	184	131	143	820	**229.41**	**266.33**
50	40	98	219	148	172	1070	**273.18**	**333.88**
63	50	122	267	179	212	1795	**345.48**	**420.32**

L-boring: prijzen + 17%
Perçage L: prix + 17%
L-bore: prices + 17%



TKDDM

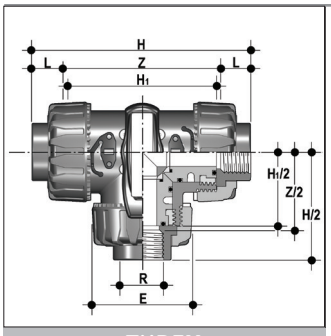
3 WEG KOGELKRANEN
VANNES A BILLE A 3 VOIES
3 WAY BALL VALVES

PN 10

Mannelijke lasmof, T-boring
Bouts mâles à souder, perçage-T
Spigots for socket welding, T-bore

d	DN	E	H	H1	L	G/ST/PC	€/ST/PC EPDM	FPM
20	15	54	140	80	16	205	**154.81**	**172.93**
25	20	65	175	100	19	360	**174.33**	**197.74**
32	25	73	188	110	22	515	**223.64**	**253.80**
40	32	86	220	131	26	835	**255.79**	**296.99**
50	40	98	251	148	31	1100	**304.64**	**372.33**
63	50	122	294	179	38	1830	**385.26**	**470.86**

L-boring: prijzen + 17%
Perçage L: prix + 17%
L-bore: prices + 17%



TKDFM

3 WEG KOGELKRANEN
VANNES A BILLE A 3 VOIES
3 WAY BALL VALVES

PN 10

Inwendige draadaansluiting, BS, T-boring.
Bouts femelles filetés, BS, perçage-T.
BS parallel threaded sockets, BS, T-bore.

d	DN	E	H	H1	L	Z	g	€/ST/PC EPDM	FPM
1/2”	15	55	125.0	80	15.0	95	235	**151.62**	**169.41**
3/4”	20	66	146.0	100	16.3	114	400	**170.81**	**193.72**
1”	25	75	166.0	110	19.1	129	565	**219.08**	**248.59**
1 1/4”	32	87	195.5	131	21.4	151	895	**250.59**	**290.97**
1 1/2”	40	100	211.0	148	21.4	166	1160	**298.40**	**364.72**
2”	50	122	253.5	179	25.7	199	1945	**377.40**	**461.25**

L-boring: prijzen + 17%
Perçage L: prix + 17%
L-bore: prices + 17%

VLINDERKLEPPEN - HANDBEDIEND FKOM
VANNES PAPILLON - AVEC POIGNEE FKOM
BUTTERFLY VALVES - HAND OPERATED FKOM

Afmetingen / dimensions / overall dimensions:
ISO 5752 (DN 40-200 medium seri 25, DN 250-3000 long serie 16)
DIN 3202 (DN 65-200 K2, DN 250-300 K3)

Materialen / matériaux / materials:

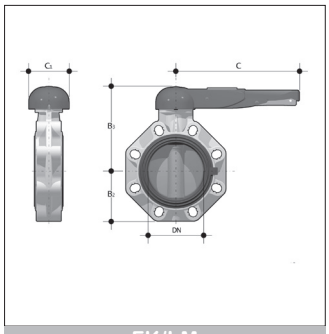
Lichaam / corps / body:	PP-GR
Klepblad / papillon / disc:	PP-H
Axe / axe / stem:	RVS AISI 420 (AISI 316 op aanvraag / sur demande / on request)
Zitting / siège / liner:	FPM (EPDM, NBR op aanvraag / sur demande / on request)

Wafer type:
Tussen flenzen / entre brides / between flanges:
EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 Cl. 150

Opmerking / remarque / remark:
Alvorens vlinderkleppen te monteren, is het aan te raden eerst de binnendiameter van de kragen te controleren. Bij bepaalde diameters kan een aanpassing van de kragen noodzakelijk zijn.

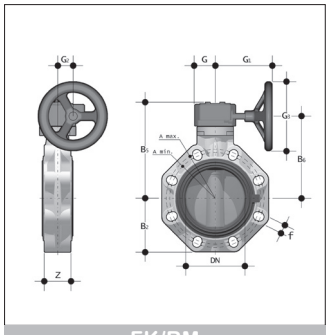
Avant d'effectuer l'installation de vannes papillons, il est conseillé de vérifier le diamètre intérieur des collets. En certains cas, il est nécessaire de chamfreiner.

Before installing butterfly valves, it is advisable to check the internal diameter of the stubs.
For certain dimensions, it is necessary to chamfer the stubs.



FK/LM

d	DN	PN	B_2	B_3	C	C_1	Z	G ST/PC	U	€/ST/PC EPDM	€/ST/PC FPM
50	40	10	60	137	175	100	33	900	4	**250.88**	**370.46**
63	50	10	70	143	175	100	43	1080	4	**265.65**	**396.00**
75	65	10	80	164	272	110	46	1470	4	**295.18**	**440.04**
90	80	10	93	178	272	110	49	1870	8	**310.37**	**461.96**
110	100	10	107	192	272	110	56	2220	8	**337.04**	**493.81**
140	125	10	120	212	330	110	64	3100	8	**447.43**	**645.48**
160	150	10	134	225	330	110	70	3850	8	**483.69**	**688.91**
225	200	10	161	272	420	122	71	6750	8	**626.49**	**893.99**



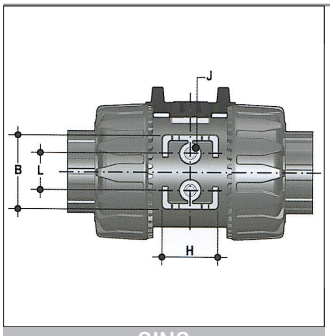
FK/RM

d	DN	PN	B_2	B_5	B_6	G	G_1	G_2	G_3	Z	G ST/PC	U	€/ST/PC EPDM	€/ST/PC FPM
75	65	10	80	174	146	48	135	39	125	46	2400	4	**677.88**	**845.17**
90	80	10	93	188	160	48	135	39	125	49	2800	8	**693.12**	**856.41**
110	100	10	107	202	174	48	135	39	125	56	3150	8	**719.74**	**888.86**
140	125	10	120	222	194	48	144	39	200	64	4450	8	**798.27**	**1039.74**
160	150	10	134	235	207	48	144	39	200	70	5200	8	**866.36**	**1089.13**
225	200	10	161	287	256	65	204	60	200	71	9300	8	**1095.81**	**1385.64**
280	250	10	210	317	281	88	236	76	250	114	18600	12	**2068.11**	**3305.04**
315	300	8	245	374	338	88	236	76	250	114	25600	12	**2230.92**	**3600.27**
355	350	7	280	438	390	88	361	80	300	129	-	16	**5116.97**	**5684.60**
400	400	6	306	438	390	88	361	80	300	169	-	16	**5762.95**	**7123.19**

TYPE LUG:
met draadogen (DIN 5202, ANSI B16.5 cl. 150) op aanvraag
avec oreilles taraudées (DIN 5202, ANSI B16.5 cl. 150) sur demande
with threaded holes (DIN 5202, ANSI B16.5 cl. 150) on request

toebehoren voor kranen VKD - TKD - VKR
accessoires pour vannes VKD - TKD - VKR
accessories for valves VKD - TKD - VKR

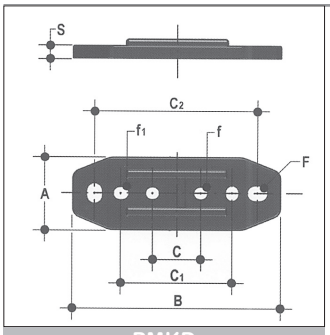
PP



SINS

DRAADBUSSEN
BUSELURES
THREADED INSERTS

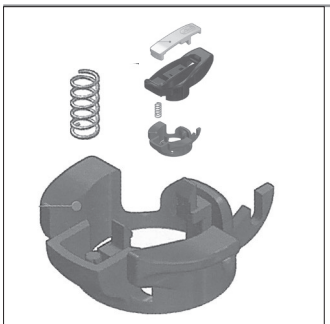
D	DN	B	H	L	J	€/ST/PC = 20 ST/PC Messing Laiton Brass	RVS 316 Inox 316 SS 316
16	10	31.5	27	20	M4 x 6	**15.82**	**87.20**
20	15	31.5	27	20	M4 x 6	**15.82**	**87.20**
25	20	40.0	30	20	M4 x 6	**15.82**	**87.20**
32	25	40.0	30	20	M4 x 6	**15.82**	**87.20**
40	32	50.0	35	30	M6 x 10	**19.02**	**96.45**
50	40	50.0	35	30	M6 x 10	**19.02**	**96.45**
63	50	60.0	40	30	M6 x 10	**19.02**	**96.45**



PMKD

MONTAGEPLAAT
PLATINE
MOUNTING PLATE

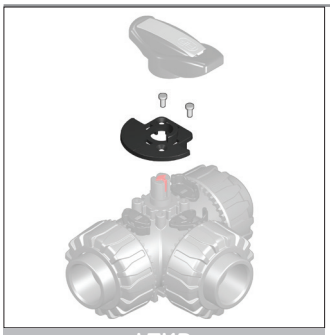
D	DN	A	B	C	C1	C2	F	f	f1	S	€/ST/PC
16	10	30	86	20	46	67.5	6.5	5.3	5.5	5	**8.96**
20	15	30	86	20	46	67.5	6.5	5.3	5.5	5	**8.96**
25	20	30	86	20	46	67.5	6.5	5.3	5.5	5	**8.96**
32	25	30	86	20	46	67.5	6.5	5.3	5.5	5	**8.96**
40	32	40	122	30	72	102.0	6.5	6.3	6.5	6	**9.76**
50	40	40	122	30	72	102.0	6.5	6.3	6.5	6	**9.76**
63	50	40	122	30	72	102.0	6.5	6.3	6.5	6	**9.76**



SHKD

KIT HANDVAT VERGRENDELING 0-90°
KIT DE VERROUILLAGE 0-90°
HANDLE BLOCK KIT 0-90°

D	€/ST/PC
16 - 20	**17.07**
25 - 32	**19.06**
40 - 50	**22.04**
63	**23.65**



LTKD

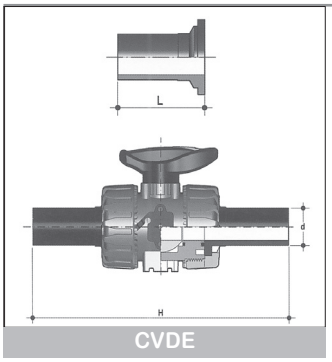
HENDEL STOP 90°/180° KOERSBEPERKER 3 WEG KOGELKRAAN
BUTÉE DE POIGNÉE 90°/180° LIMITEUR DE COURSE VANNE A BOULE 3 VOIES
HANDLE STOP 90°/180° STROKE LIMITER 3 WAY BALL VALVE

Voor / pour / for : TKD

D	€/ST/PC LTKD 90°	LTKD 180°
16-20	**17.07**	**17.07**
25-32	**20.83**	**20.83**
40-50	**24.93**	**24.93**
63	**31.26**	**31.26**

toebehoren voor kranen VKD - TKD - VKR
accessoires pour vannes VKD - TKD - VKR
accessories for valves VKD - TKD - VKR

PP

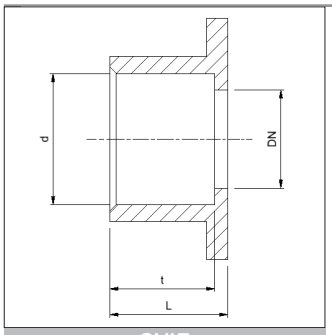


CVDE

HDPE 100 CONNECTOR VOOR STOMPLAS & ELECTROLAS
CONNECT. HDPE 100 SOUDAGE BOUT A BOUT OU ELECTROSOUDAGE
HDPE 100 END CONNECTOR FOR BUTT WELDING OR ELECTROFUSION

Voor / pour / for : VKD / TKD / SXE / RV / VV / VR / VKR / SSE / VEE

d	DN	L	H	€/ST/PC
20	15	55	175	**3.40**
25	20	70	210	**3.47**
32	25	74	226	**3.49**
40	32	78	243	**5.45**
50	40	84	261	**6.47**
63	50	91	293	**9.20**
75	65	110	356	**25.82**
90	80	118	390	**33.57**
110	100	130	431	**39.00**

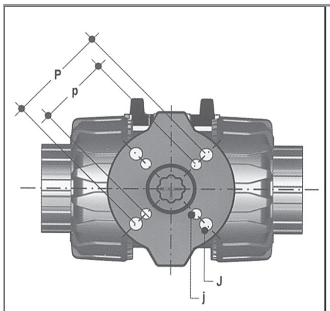


CVIE

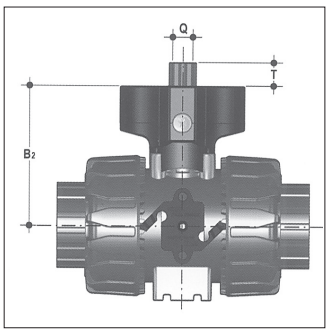
HDPE 100 CONNECTOR VOOR MOFLAS
CONNECT. HDPE 100 POUR SOUDAGE A L'EMBOITURE
HDPE 100 END CONNECTOR FOR SOCKET WELDING

Voor / pour / for : VKD / TKD / SXE / RV / VV / VR / VKR / SSE / VEE

d	DN	L	t	€/ST/PC
20	15	18	16.0	**9.41**
25	20	22	17.0	**10.05**
32	25	25	19.5	**10.58**
40	32	28	22.0	**11.21**
50	40	34	25.0	**12.65**
63	50	43	29.0	**21.57**



PQ



POWERQUICK

Opbouwmodule in PP-GVK geschikt voor VKD + TKD + VKR
Kit d'accouplement en PP-FRP pour VKD + TKD + VKR
Module for assembly in PP-FRP for VKD + TKD + VKR

d	DN	B2	T	p x j	P x J
16	10	58.0	16	F03 x 5.5	F04 x 5.5
20	15	58.0	16	F03 x 5.5	F04 x 5.5
25	20	73.5	16	F03 x 5.5	F05 x 6.5
32	25	74.0	16	F03 x 5.5	F05 x 6.5
40	32	97.0	16	F05 x 6.5	F07 x 8.5
50	40	104.0	16	F05 x 6.5	F07 x 8.5
63	50	114.0	16	F05 x 6.5	F07 x 8.5

* F04 x 5.5 op aanvraag / sur demande / on request

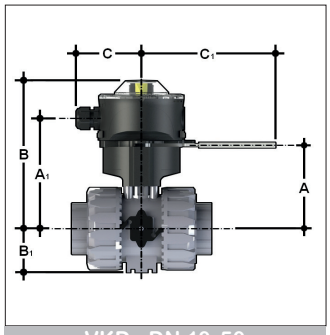
d	Actuators CP (FIP)		Actuators CE (FIP)		Kit €/ST/PC
	ISO	SQUARE	ISO	SQUARE	
16 - 20	F03-04*	11	F03	14	**66.18**
25	F03-05*	11	F03	14	**70.19**
25	F04	11	F04	14	**70.19**
32	F03-05*	11	F03	14	**70.19**
32	F04	14	F04	14	**70.19**
40	F05-07*	14	F05	14	**80.20**
50	F05-07*	14	F05	14	**80.20**
63	F05-07*	14	F05	14	**85.22**

toebehoren voor kranen VKD - TKD - VKR
accessoires pour vannes VKD - TKD - VKR
accessories for valves VKD - TKD - VKR

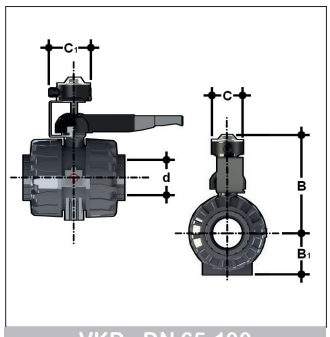
PP



LSQT



VKD - DN 10-50



VKD - DN 65-100

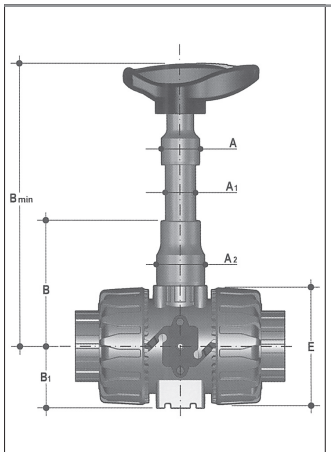
MICROSWITCHBOX MET TERUGMELDINGEN
BOITIER FIN DE COURSE
LIMIT SWITCH BOX

Geschikt voor montage op VKD + TKD kogelkranen in combinatie met LSQTKIT montageset.
Pour vannes à boule VKD + TKD montage par l'aide du kit de montage LSQTKIT.
For VKD+TKD ballvalves, to be installed with LSQTKIT mounting kit.

D	DN	A	A1	B	B1	C	C1
16	10	60	91.5	137.0	29.0	76.5	157.5
20	15	60	91.5	137.0	29.0	76.5	157.5
25	20	71	102.5	148.0	34.5	76.5	157.5
32	25	76	107.5	153.0	39.0	76.5	157.5
40	32	93	124.5	170.0	46.0	76.5	157.5
50	40	99	130.5	176.0	52.0	76.5	157.5
63	50	116	147.5	193.0	62.0	76.5	157.5
75	65	-	-	275.0	87.0	103.0	126.9
90	80	-	-	286.7	105.0	103.0	126.9
110	100	-	-	305.5	129.0	103.0	126.9

d	€/ST/PC Montageset Kit de montage Mounting kit		€/ST/PC Electromechanisch Electromécanique Electro mechanical		€/ST/PC Inductief 3 draads PNP Inductif 3 fils PNP Inductive 3 wire PNP	
16 - 20	**LSQKIT020**	**86.59**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
25	**LSQKIT025**	**91.81**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
32	**LSQKIT032**	**91.81**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
40	**LSQKIT040**	**104.97**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
50	**LSQKIT050**	**104.97**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
63	**LSQKIT063**	**111.53**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
75-90-110	**LSKIT75160**	**207.09**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**

Afsluiter niet incl., vanne non incl., valve not incl.



PSKD

VERLENGDE SPINDEL
EXTENSION DE COMMANDE
STEM EXTENSION

D	DN	A	A1	A2	E	B	B1	B min	€/ST/PC*
16	10	32	25	32	54	70.0	29.0	139.5	**35.67**
20	15	32	25	32	54	70.0	29.0	139.5	**35.67**
25	20	32	25	40	65	89.0	34.5	164.5	**36.43**
32	25	32	25	40	73	93.5	39.0	169.0	**37.39**
40	32	40	32	50	86	110.0	46.0	200.0	**37.77**
50	40	40	32	50	98	116.0	52.0	206.0	**39.32**
63	50	40	32	59	122	122.0	62.0	225.0	**43.39**

D75-90-110 op aanvraag / sur demande / on request

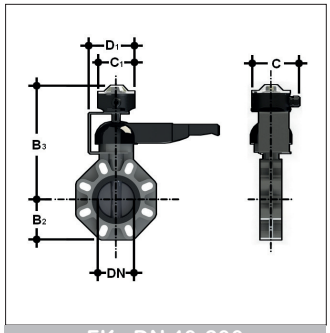
***** PVC buis niet inbegrepen, tuyau en PVC pas inclus, PVC pipe not included.

toebehoren voor kranen FK
accessoires pour vannes FK
accessories for valves FK

PP



LSQT



FK - DN 40-200

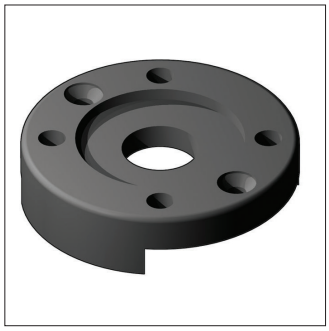
MICROSWITCHBOX MET TERUGMELDINGEN
BOITIER FIN DE COURSE
LIMIT SWITCH BOX

Geschikt voor montage op FK vlinderkleppen in combinatie met LSQTKIT montageset.
Pour vannes papillon FK montage par l'aide du kit de montage LSQTKIT.
For FK butterfly Ivalves, to be installed with LSQTKIT mounting kit.

D	B2	B3	C	C1	D1
40	60	260.5	126.9	103	123.5
50	70	266.5	126.9	103	123.5
65	80	273.5	126.9	103	123.5
80	93	287.5	126.9	103	123.5
100	107	301.5	126.9	103	123.5
125	120	321.5	126.9	103	123.5
150	134	334.5	126.9	103	123.5
200	161	385.0	126.9	103	129.8

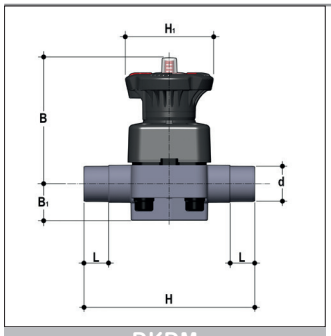
d	€/ST/PC Montageset Kit de montage Mounting kit		€/ST/PC Electromechanisch Electromécanique Electro mechanical		€/ST/PC Inductief 3 draads PNP Inductif 3 fils PNP Inductive 3 wire PNP	
50-63	**LSKITFK5063**	**153.80**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
75-160	**LSKITF75160**	**207.09**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**
225	**LSKIT225**	**221.05**	**LSQTMEC**	**301.15**	**LSQTPNP**	**513.32**

*Afsluiter niet incl., vanne non incl., valve not incl.

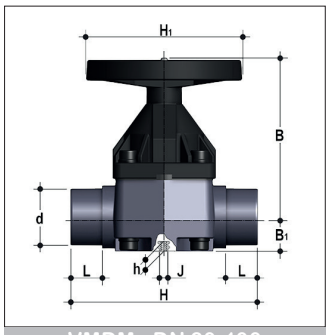


Adaptor voor opbouw aandrijving (elektrisch / pneumatisch) ISO 5211
Adapteur pour montage actuateur (electrique / pneumatique) ISO 5211
Adaptor for mounting of actuator (electrical / pneumatic) ISO 5211

d 50 160 : **24.94 €/ST/PC**
d 225 : **30.36 €/ST/PC**



DKDM



VMDM - DN 80-100

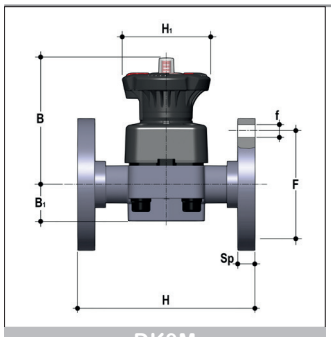
MEMBRAANKRANEN
VANNES A MEMBRANE
DIAPHRAGM VALVES

PN 10

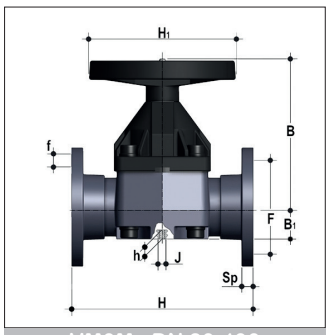
Uitwendige lasaansluiting.
Bouts mâles pour soudage dans l'emboiture.
Spigot welding.

D	DN	L	H	H_1	B	B_1	G/ST/PC	€/ST/PC EPDM	FPM	PTFE
20	15	16	124	80	102	25	430	**85.94**	**133.02**	**153.07**
25	20	19	144	80	105	30	445	**93.02**	**133.02**	**161.31**
32	25	22	154	80	114	33	620	**109.48**	**157.77**	**176.62**
40	32	26	174	80	119	30	650	**128.26**	**208.39**	**230.67**
50	40	31	194	120	147	35	1380	**167.12**	**245.44**	**269.55**
63	50	38	224	120	172	46	2135	**202.53**	**337.74**	**335.55**
75	65	44	284	120	172	46	2225	**439.09**	**822.83**	**618.05**
*** 90**	80	51	300	215	225	55	7500	**540.35**	**926.18**	**720.44**
***110**	100	-	350	250	295	55	15000	**718.12**	**1,358.03**	**933.66**

*** PTFE : PN 6 / TYPE VMDM**



DK0M



VM0M - DN 80-100

MEMBRAANKRANEN
VANNES A MEMBRANE
DIAPHRAGM VALVES

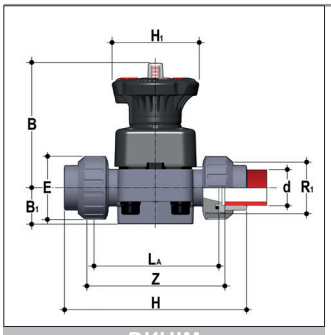
PN 10

Flensaansluiting, vaste flenzen volgens DIN 2501.
Raccordement à brides fixes, selon DIN 2501.
Flanged connection with fixed backing rings DIN 2501.

*** PTFE : PN 6 / TYPE VMOM**

D	DN	B	B_1	H	H_1	Sp	F	f	n	G/ST/PC	€/ST/PC EPDM	FPM	PTFE
20	15	102	25	130	80	13.5	65	14	4	588	**131.17**	**178.63**	**198.83**
25	20	105	30	150	80	13.5	75	14	4	645	**140.95**	**190.78**	**209.79**
32	25	114	33	160	80	14.0	85	14	4	910	**159.14**	**207.78**	**226.79**
40	32	119	30	180	80	14.0	100	18	4	1110	**193.64**	**274.39**	**296.81**
50	40	147	35	200	120	16.0	110	18	4	1955	**235.71**	**316.44**	**338.93**
63	50	172	46	230	120	16.0	125	18	4	2905	**297.44**	**433.88**	**431.69**
75	65	225	55	290	120	21.0	145	18	4	3325	**598.84**	**976.87**	**773.18**
*** 90**	80	225	55	310	215	-	160	18	8	7500	**727.92**	**1117.14**	**909.49**
***110**	100	295	69	350	250	-	180	18	8	11350	**932.20**	**1577.67**	**1156.47**

FIP kranen vannes valves **PP**



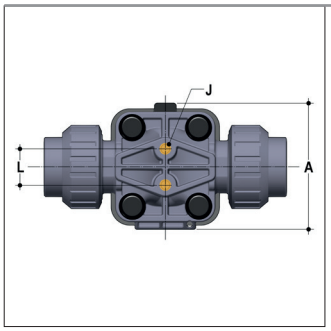
DKUIM

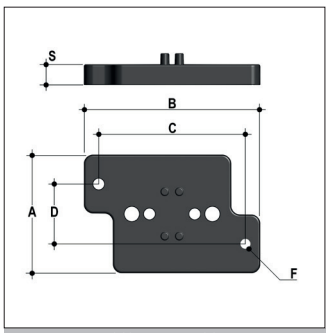
MEMBRAANKRANEN
VANNES A MEMBRANE
DIAPHRAGM VALVES

PN 10

Aansluiting met driedelige koppelingen. Membraan in EPDM, FPM en PTFE.
Raccordement à raccords-union. Membranen en EPDM, FPM et PTFE.
Connection with socket unions. Diaphragm in EPDM, FPM and PTFE.

D	d	B	B_1	E	H	H_1	L_A	R_1	Z	G/ST/PC	€/ST/PC EPDM	€/ST/PC FPM	€/ST/PC PTFE
20	15	102	25	41	128	80	90	1”	101	457	**100.38**	**147.53**	**166.74**
25	20	105	30	50	150	80	108	1 1/4”	119	500	**107.44**	**156.98**	**175.84**
32	25	114	33	58	163	80	116	1 1/2”	127	695	**125.17**	**173.51**	**192.35**
40	32	119	30	72	184	80	134	2”	145	781	**145.26**	**225.48**	**247.87**
50	40	147	35	79	210	120	154	2 1/4”	165	1526	**185.97**	**264.40**	**286.77**
63	50	172	46	98	248	120	184	2 3/4”	195	2410	**227.80**	**363.50**	**361.19**





KIT PMDK

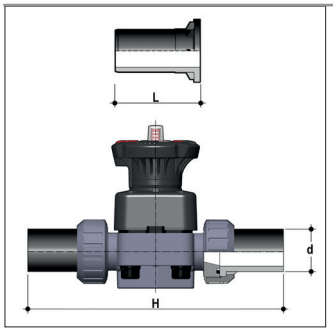
MONTAGEPLAAT
PLATINE
MOUNTING PLATE

D	DN	A	L	J
20	15	74	25.0	M6 x 10
25	20	74	25.0	M6 x 10
32	25	87	25.0	M6 x 10
40	32	87	25.0	M6 x 10
50	40	114	44.5	M8 x 14
63	50	136	44.5	M8 x 14
75	65	136	44.5	M8 x 14

KIT PMDK

D	DN	A	B	C	D	F	S	€/ST/PC
20	15	65	97	81	33	5.5	11	**17.53**
25	20	65	97	81	33	5.5	11	**17.53**
32	25	65	97	81	33	5.5	11	**17.53**
40	32	65	97	81	33	5.5	11	**17.53**
50	40	65	144	130	33	6.5	11	**19.74**
63	50	65	144	130	33	6.5	11	**19.74**
75	65	65	144	130	33	6.5	11	**19.74**

Inclusief 2 RVS schroeven / Inclusif 2 ecroux en inox / 2 stainless steel screws included



HDPE 100 CONNECTOR VOOR STOMPLAS & ELECTROLAS
CONNECT. HDPE 100 SOUDAGE BOUT A BOUT OU ELECTROSOUDAGE
HDPE 100 END CONNECTOR FOR BUTT WELDING OR ELECTROFUSION

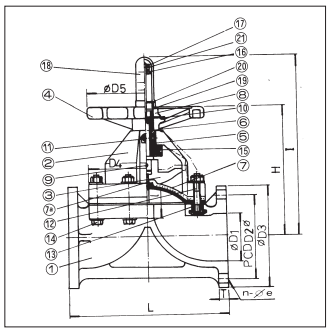
SDR11

d	DN	L	H	€/ST/PC
20	15	95	280	**6.22**
25	20	95	298	**7.28**
32	25	95	306	**9.24**
40	32	95	324	**11.82**
50	40	95	344	**12.21**
63	50	95	374	**17.79**

VINK



VAOM



MEMBRAANKRANEN - GROTE DIAMETERS
VANNES A MEMBRANE - GRAND DIAMETRES
DIAPHRAGM VALVES - BIG DIAMETERS

Aansluiting met flenzen.
Membraan : EPDM, PTFE.

Raccordement à brides.
Membrane : EPDM, PTFE.

Flange connection.
Diaphragm : EPDM, PTFE.

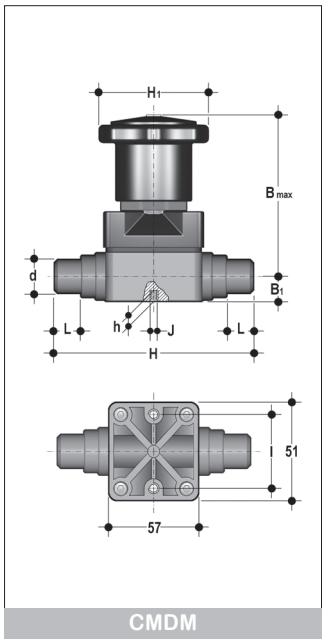
D	DN	PN EPDM	PN PTFE	L	D	D_2	D_3	H	I	T	e	n	KG/ ST/PC
125/140	125	8	7	400	125	210	250	308	420	23	18	8	14.3
160/180	150	8	5	480	148	240	285	334	476	27	23	8	23.0
200/225	200	3	2	600	196	295	340	419	627	34	23	8	35.7
250/280	250	3	2	730	247	350	385	510	778	36	23	12	61.6

Prijs op aanvraag
Prix sur demande
Price on request

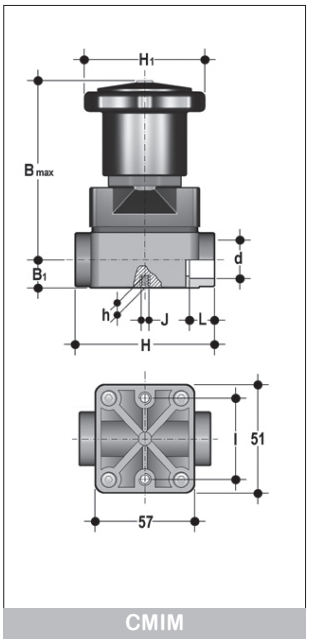
MEMBRAANAFSLUITERS
ROBINETS A MEMBRANE
DIAPHRAGM COCKS

PN 6

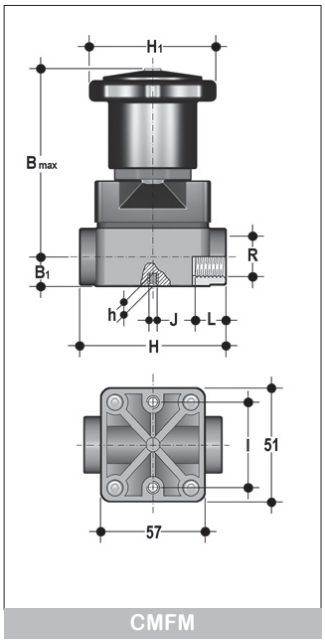
Volgens normen ISO-BS-ASTM.
Normes selon ISO-BS-ASTM.
According to ISO-BS-ASTM.



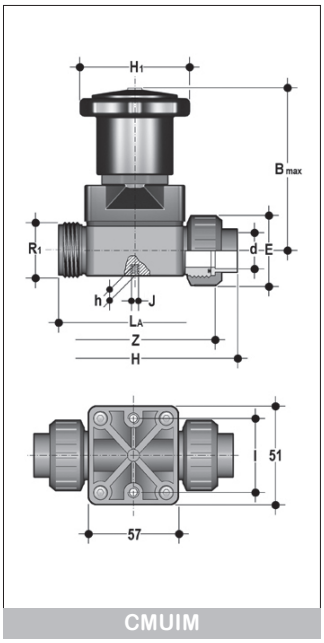
CMDM



CMIM

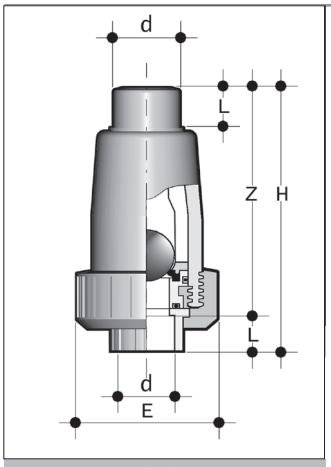


CMFM



CMUIM

CODE	D/R	DN	B max.	B1	H1	H	h	I	J l/min	L/LA	g	z	R1	E	€/ST/PC EPDM	FPM	CR+PTFE
CMDM	20	15	86	15	58.5	124	8	35	M5	17	270				**103.08**	**109.16**	**118.69**
CMIM	16	12	86	15	58.5	75	8	35	M5	14	240				**57.64**	**78.55**	**88.36**
CMIM	20	15	86	15	58.5	75	8	35	M5	16	240				**57.64**	**78.55**	**88.36**
CMFM	3/8”	12	86	15	58.5	75	8	35	M5	11.5	240				**57.64**	**78.55**	**88.36**
CMFM	1/2”	15	86	15	58.5	75	8	35	M5	15.0	240				**57.64**	**78.55**	**88.36**
CMUIM	20	15	86	-	58.5	130	8	35	M5	90	255	97.5	1”	41	**91.96**	**111.66**	**122.68**



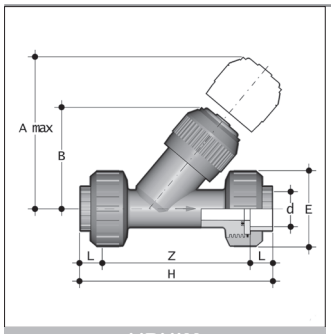
SRIM

KOGEL TERUGSLAGKLEPPEN
CLAPETS DE RETENUE A BILLE
CHECK BALL VALVES

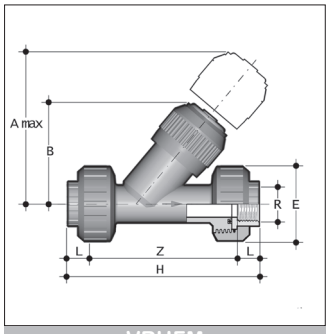
PN 10

Inwendige lasmoffen.
Bouts femelles à souder.
With welding sockets.

d	DN	E	L	Z	H	G/ST/PC	€/ST/PC FPM
20	15	55	16	89	105	75	**68.60**
25	20	65	19	107	126	140	**75.96**
32	25	74	22	126	148	215	**83.26**
40	32	86	26	146	172	320	**102.29**
50	40	99	31	158	189	440	**121.14**
63	50	120	38	186	224	750	**181.79**



VRUIM



VRUFM

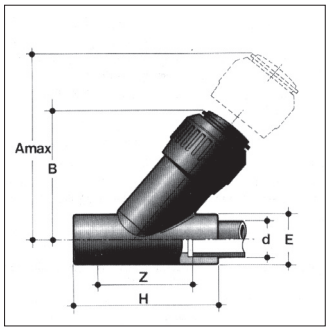
TERUGSLAGKLEPPEN
CLAPETS DE RETENUE
CHECK VALVES

3-delige koppelingen met inwendige lasmof (VRUIM) of inwendige schroefdraad (VRUFM).
Afdichting: FPM (EPDM op aanvraag)

Raccordement avec pièces folles, bouts femelles à souder (VRUIM) ou bouts femelles à fileter (VRUFM).
Etancheïté: FPM (EPDM sur demande)

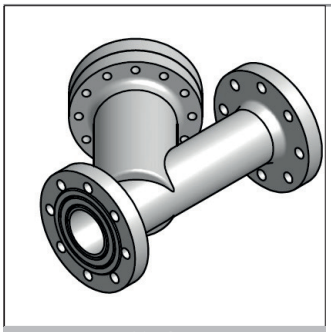
Three union connections for socket fusion (VRUIM) or interior thread (VRUFM).
Seals: FPM (EPDM on request)

D	R	PN	A max	B	E	Z VRUIM	Z VRUFM	H VRUIM	H VRUFM	G ST/PC	€/ST/PC VRUIM	€/ST/PC VRUFM
20	1/2”	10	125	71.0	55	108.5	113.0	137.5	143	165	**72.13**	**76.47**
25	3/4”	10	145	83.0	65	125.0	127.4	157.0	160	227	**82.68**	**87.61**
32	1”	10	165	94.0	74	142.5	144.8	178.5	183	380	**89.71**	**96.88**
40	11/4”	10	190	109.0	86	164.0	171.2	205.0	214	645	**109.02**	**115.58**
50	11/2”	10	210	119.0	99	196.5	192.2	243.5	235	915	**131.89**	**139.81**
63	2”	10	240	142.5	120	239.0	233.6	294.0	285	1555	**200.40**	**210.44**

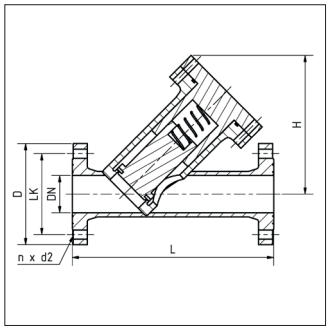


Inwendige lasmoffen (VRIM). Afdichting: FPM
Bouts femelles à souder (VRIM). Etancheïté: FPM
With welding sockets (VRIM). Seals: FPM

D	DN	Amax.	B	E	H	Z	K	G/ST/PC	PN	€/ST/PC
75	65	300	176	103	241	179	96	2450	6	**402.46**
90	80	325	193	115	260	189	105	3130	4	**662.52**



VROM



TERUGSLAGKLEPPEN MET SCHUINE ZITTING GROTE DIAMETERS
CLAPTES DE RETENUE A SIEGE INCLINEEU EN GRAND DIAMETRES
ANGLE SEAT CHECK VALVES BIG DIAMETERS

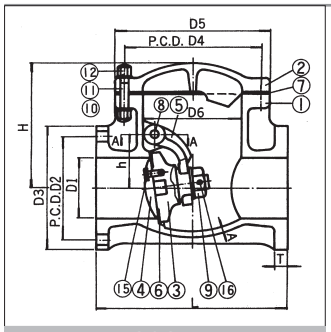
PN 6

Met vaste flenzen volgens DIN EN 1092-1, DIN2501 PN10.
Veerbelast (FEP omwikkelde veer), dichtingen EPDM of FPM.

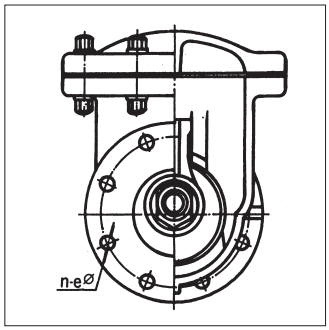
A brides fixes suivants DIN EN 1092-1, DIN2501 PN10.
Avec ressort (FEP incapsulé), joints d'étanchéité en EPDM ou FPM.

Fixed flanges acc to DIN EN1092-1, DIN2501 PN10.
Spring loaded (FEP coated), seals in EPDM or FPM.

d	DN	H	L	LK	D	n x d2	Kv l/min	G/ST/PC	€/ST/PC	€/ST/PC
				DIN EN 1092-1 / DIN2501			Δp=1bar		EPDM	FPM
75	65	260	370	145	185	4 x ø18	500	5200	**1928**	**1961**
90	80	275	410	160	200	8 x ø18	1000	7500	**2110**	**2141**
110	100	325	440	180	220	8 x ø18	1600	8500	**2560**	**2629**
160	150	430	600	240	285	8 x ø22	4500	13000	**3954**	**4038**



SCOM

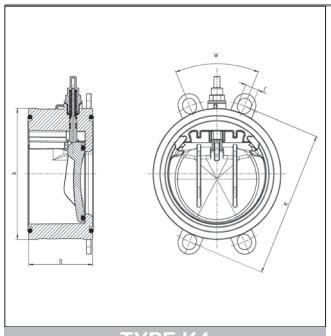


SWING TERUGSLAGKLEPPEN
CLAPETS DE RETENUE SWING
SWING CHECK VALVES

Flensaansluiting volgens DIN 2501 PN 10. Dichtingen : EPDM, FPM, PTFE.
A brides suivant DIN 2501 PN 10. Joints : EPDM, FPM, PTFE.
With flanges according to DIN 2501 PN 10. Seals : EPDM, FPM, PTFE.

DN	A	B	H	L	T	PN BAR*	G/ST/PC
20	105	86	90	140	15	7	460
25	115	130	120	160	15	7	1100
40	150	145	138	180	16	7	2100
50	165	180	164	200	17	7	2800
65	185	205	171	260	20	7	3500
80	200	205	171	260	20	7	3800
100	220	265	213	300	23	5	6600
125	250	330	238	350	25	5	11400
150	285	370	268	400	30	5	14300
200	340	425	306	500	31	3	23400

* werkdruk bij 20°C
* pression de travail à 20°C
* working pressure at 20°C



TYPE K4

TERUGSLAGKLEPPEN
CLAPETS DE RETENUE
CHECK VALVES

PN 6
PP-GFK: PN 10 (DN250 : PN 8)
PP: PN 6

Met standaanwijzer
Opening tot 85°, dichting EPDM of FPM
Verbinding d.m.v. kraag / flens
Leverbaar met veer voor werkdruk van 3 - 7 - 10 bar

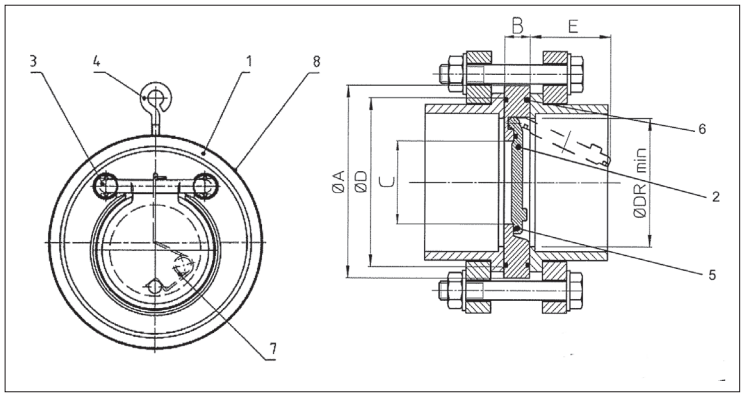
Avec indicateur de position.
Ouverture jusqu'à 85°, joint EPDM ou FPM
Raccordement avec collet / bride.
Livrable acec ressort pour pression de 3 - 7 - 10 bar.

With position indicator
Opening up to 85°, gasket EPDM or FPM
Connection by stub flange / flange
With spring for pressure 3 - 7 - 10 bar.

DN	A	B	C	K	W	
65	115	63	20	139-145	90°	
80	128	71	20	150-160	45°	
100	155	80	20	175-191	45°	BS
150	212	106	24	234-242	45°	BS
200	264	140	24	290-299	45°	BS
250	325	140	27	350-362	30°	BS

prijzen op aanvraag / prix sur demande / prices on request.

VLINDERTERUGSLAGKLEPPEN
CLAPETS DE RETENUE PAPILLON UNVM
BUTTERFLYCHECK VALVES



1. body
2. disc
3. screw
4. ring screw
5. O-ring
6. O-ring
7. spring
8. typ plate
9. spacer

Eveneens leverbaar voor ASA 150 flenzen.
Deze terugslagklep is niet aan te raden voor pulserende stromingen.
Dichtingen : EPDM, FPM.
Veer :RVS 316 of HASTELLOY optioneel

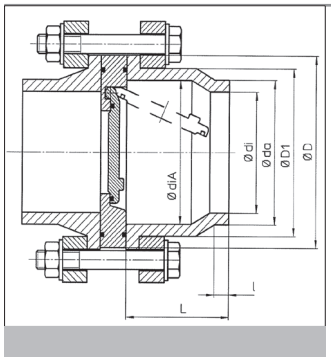
Egalement disponible pour brides ASA 150.
Ces vannes de retenue ne conviennent pas pour des flux pulsés.
Joints : EPDM, FPM.
Ressort : INOX 316 of HASTELLOY en option

Also available to fit ANSi 150 flanges.
These valves are not suitable for use with pulsating flows.
Seals : EPDM, FPM.
Spring : AISI 316 of HASTELLOY optional

D	DN	A	B	*B	C	D	E	F	DR	PN	€/ST/PC EPDM
40	32	85	15	15	18	59	22	25	37	6	**141.17**
50	40	95	16	16	22	72	25	28	43	6	**155.93**
63	50	109	18	18	32	86	37	29	54	6	**169.97**
75	65	129	20	20	40	105	50	31	70	6	**176.07**
90	80	144	20	20	54	119	61	32	82	6	**194.33**
110	100	164	23	23	70	146	77	31	106	6	**219.63**
140	125	195	23	23	92	173	94	35	131	6	**241.57**
160	150	220	26	26	105	197	100	40	159	6	**246.52**
225	200	275	34	34	154	255	152	38	207	6	**482.23**
280	250	330	40	40	192	312	180	41	260	6	**904.63**
315	300	380	45	45	227	363	215	41	309	6	**1462.90**
400	350	440	49	49	266	416	245	54	341	4	**-**
450	400	491	65	65	310	467	285	55	392	4	**-**
560	500	596	78	87	400	550	385	58	493	4	**-**

B : afmetingen zonder veer / dimensions sans ressort / dimensions without spring
*B : afmetingen met veer / dimensions avec ressort / dimensions with spring

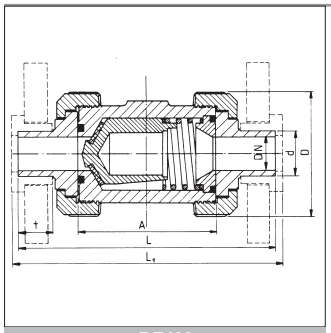
prijzen zonder veer / prix sans ressort / prices without spring
D 400-560 : prijzen op aanvraag / prix sur demande / price on requet



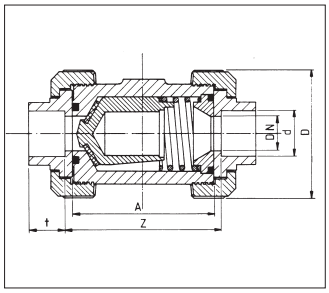
VLINDERTERUGSLAGKLEPPEN
CLAPETS DE RETENUE PAPILLON
BUTTERFLYCHECK VALVES

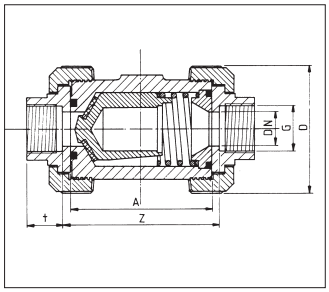
Inbouwafmetingen met PP voorlaskragen
Dimensions de construction pour les collets en PP
Dimensions exit support for PP Stub Flanges

DN	D	L	da	di		diA	l	D1
				PN6	PN10			
32	80	65	40	35	32	37	30	50
40	90	68	50	43	41	43	30	61
50	105	74	63	54	51	54	30	77
65	125	78	75	66	61	70	30	91
80	140	87	90	79	73	82	35	109
100	160	102	110	97	90	106	35	132
100	160	90	125	110	102	106	35	132
125	190	125	140	124	114	130	47	166
150	215	150	160	141	130	158	52	189
150	215	130	180	158	147	158	52	189
200	270	200	200	177	163	206	55	249
200	270	180	225	199	184	206	56	249
250	325	225	250	221	204	259	63	293
250	325	200	280	248	229	259	63	293
300	375	255	315	280	257	308	66	337
350	435	285	355	314	290	341	71	375
400	486	325	400	354	327	392	78	429



PRIM





KEGEL TERUGSLAGKLEPPEN MET VEER
CLAPETS DE RETENUE CHARGEE PAR RESSORT
CHECK BALL VALVES SPRING LOADED

Vrouwelijke lasuiteinden (PRIM), mannelijke lasuiteinden (PRDM), draadaansluiting (PRFM), flensaansluiting (PROM). Dichtingen: EPDM, FPM, Veer: WSt 1.4401 met PTFE coating.

Bouts femelles à souder (PRIM), bouts mâles à souder (PRDM), filetage femelle (PRFM), à brides (PROM). Joints: EPDM, FPM Ressort: WSt 1.4401 enrobé avec PTFE.

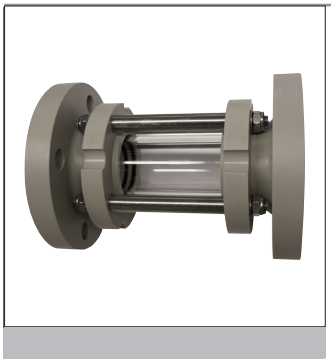
Welding sockets (PRIM), welding spigots (PRDM), threaded sockets (PRFM), with flanges (PROM). Seals: EPDM, FPM, spring: WSt 1.4401 with PTFE coating.

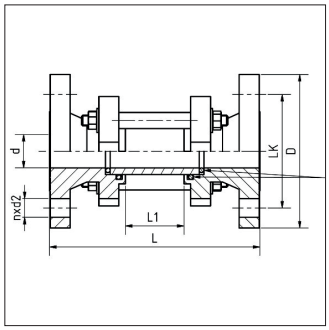
D	DN	G	L	L1	A	Z	t	D	PN
20	15	1/2”	124	130	62	67.5	16.0	52.5	10
25	20	3/4”	144	150	69	79.0	17.0	62.0	10
32	25	1”	154	160	73	84.0	19.5	69.5	10
40	32	1 1/4”	174	180	83	96.0	22.0	84.0	10
50	40	1 1/2”	194	200	94	114..0	25.0	100.0	10
63	50	2”	224	230	108	134.0	29.0	120.0	10
75	65	2 1/2”	284	290	133	162.0	34.5	155.0	8
90	80	3”	300	310	160	208.0	38.5	187.0	6
110	80	4”	340	350	160	227.0	44.0	187.0	6

Openingsdruk 0.06 bar.
Pression d’ouverture 0.06 bar.
Opening pressure 0.06 bar.

leidingcomponenten
appendages
piping components

PP





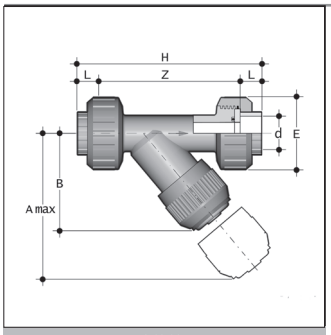
KIJKGLAZEN
REGARDS DE COULEE
INSPECTION GLASSES

Met vaste flenzen volgens DIN EN 1092-1, DIN2501 PN10.
Dubbele afdichting ten behoeve van verhoogde veiligheid (EPDM of FPM).
Borosilikaat kijkglas.

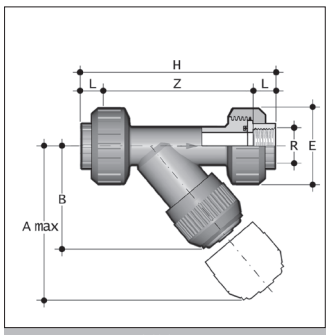
A brides fixes suivants DIN EN 1092-1, DIN2501 PN10.
Double étanchéité pour une sécurité élevée (EPDM ou FPM).
Tube en verre borosilicaté.

Fixed flanges acc to DIN EN1092-1, DIN2501 PN10.
Double process safety through 2 seals (EPDM or FPM).
Tube in borosilicate glass.

d	DN	PN	L	L1	LK	D	n x d2	G/ST/PC	€/ST/PC	€/ST/PC
					DIN EN 1092-1 / DIN2501				EPDM	FPM
20	15	10	140	26	65	95	4 x ø14	500	**346.50**	**386.54**
25	20	10	150	36	75	105	4 x ø14	800	**366.52**	**411.18**
32	25	10	160	46	85	115	4 x ø14	1000	**386.54**	**429.66**
40	32	10	180	58	100	140	4 x ø18	1200	**443.52**	**486.64**
50	40	10	200	70	110	150	4 x ø18	1600	**452.76**	**511.28**
63	50	10	230	92	125	165	4 x ø18	1900	**486.64**	**555.94**
75	65	7	290	116	145	185	4 x ø18	3000	**623.70**	**691.46**
90	80	7	310	126	160	200	8 x ø18	4200	**746.90**	**828.52**
110	90	6	350	160	180	220	8 x ø18	4600	**850.08**	**976.36**
140	125	5	400	196	210	250	8 x ø18	8500	**1081.08**	**1205.82**
160	150	5	480	244	240	285	8 x ø22	10800	**1496.88**	**1630.86**



RVUIM



RVUFM

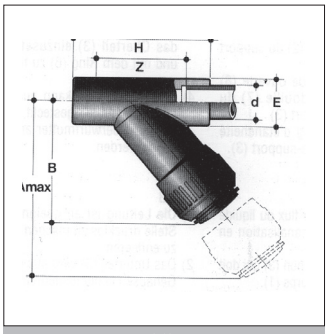
VUILVANGERS
FILTRES A TAMIS
SEDIMENT STRAINERS

3-delige koppelingen met inwendige lasmof (RVUIM) of inwendige schroefdraad (RVUFM).
Afdichting: FPM.
Standaard PP zeefje 1.5 mm maaswijdte. Andere zeefjes zie hoofdstuk VII Toebehoren.

Raccordement avec pièces folles, bouts femelles a souder (RVUIM) ou bouts femelles à fileter (RVUFM).
Etancheïté: FPM.
Tamis standard en PP avec trame 1.5 mm. Autres tamis : voir chapitre VII Accessoires.

Three union connections for socket fusion (RVUIM) or interior thread (RVUFM).
Seals: FPM.
Standard PP filter screen 1.5 mm mesh. Other screens : see chapter VII Accessories.

D	R	PN	A max	B	E	Z RVUIM	Z RVUFM	H RVUIM	H RVUFM	G ST/PC	€/ST/PC RVUIM	€/ST/PC RVUFM
20	1/2"	10	125	71.0	55	108.5	105.0	137.5	135	148	**84.61**	**89.72**
25	3/4"	10	145	83.0	65	125.0	124.4	157.0	157	195	**105.53**	**111.84**
32	1"	10	165	94.0	74	142.5	139.8	178.5	178	297	**123.42**	**133.32**
40	11/4"	10	190	109.0	86	164.0	163.2	205.0	206	475	**143.61**	**152.24**
50	11/2"	10	210	119.0	99	196.5	203.2	243.5	246	675	**165.58**	**175.50**
63	2"	10	240	142.5	120	239.0	242.6	294.0	294	1100	**227.91**	**239.38**



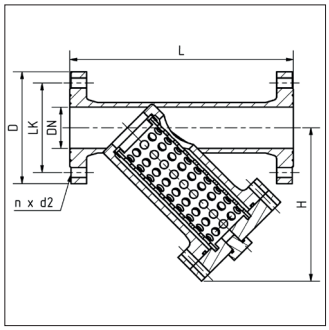
RVIM

Inwendige lasmoffen (RVIM). Afdichting: FPM. Standaard PP zeefje 1.5 mm maaswijdte.
Bouts femelles à souder (RVIM). Etancheité: FPM. Tamis standard en PP avec trame 1.5 mm.
With welding sockets (RVIM). Seals: FPM. Standard PP filter screen 1.5 mm mesh.

D	DN	Amax.	B	E	H	Z	K	G/ST/PC	PN	€/ST/PC
75	65	300	176	103	241	179	96	1580	6	**254.14**
90	80	325	193	115	260	189	105	1920	4	**326.08**
110	100	385	229	138	323	240	-	3000	4	**641.99**



RVOM



VUILVANGERS IN GROTE DIAMETERS
FILTRES A TAMIS EN GRAND DIAMETRES
SEDIMENT STRAINERS IN BIG DIAMETERS

Met vaste flenzen volgens DIN EN 1092-1, DIN2501 PN10.
ETFE filter, standaard maaswijdte 2,0 mm, andere op aanvraag, dichtingen EPDM of FPM.

A brides fixes suivants DIN EN 1092-1, DIN2501 PN10.
Trame du filtre ETFE 2,0 mm, autres sur demande, joints d'étanchéité en EPDM ou FPM.

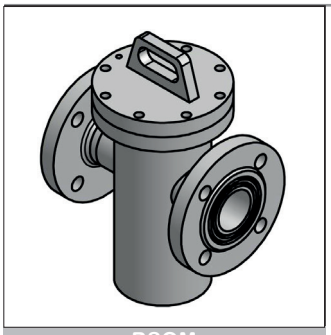
Fixed flanges acc to DIN EN1092-1, DIN2501 PN10.
ETFE filter, standard mesh 2,0 mm, others on request, seals in EPDM or FPM.

d	DN	PN	H	L	LK	D	n x d2	Kv l/min	G/ST/PC	€/ST/PC	€/ST/PC
					DIN EN 1092-1 / DIN2501			Δp=1bar		EPDM	FPM
75	65	6	260	370	145	185	4 x ø18	500	5000	**1928**	**1961**
90	80	6	275	410	160	200	8 x ø18	1000	6500	**2110**	**2141**
110	100	6	325	490	180	220	8 x ø18	1600	8000	**2577**	**2629**
140	125	6	380	550	210	250	8 x ø22	3000	13000	**3274**	**3339**
160	150	4	430	600	240	285	8 x ø22	4500	17000	**3953**	**4038**
225	200	4	550	700	295	340	8 x ø22	10000	24000	**6692**	**6789**
280	250	4	620	820	350	395	12 x ø22	4500	30000	**8581**	**8701**
315	300		780	950	400	445	12 x ø22	-	-	**-**	**-**
355	350		850	1020	460	505	16 x ø22	-	-	**-**	**-**
400	400		950	1120	315	565	16 x ø26	-	-	**-**	**-**
500	500		1050	1380	620	670	20 x ø26	-	-	**-**	**-**

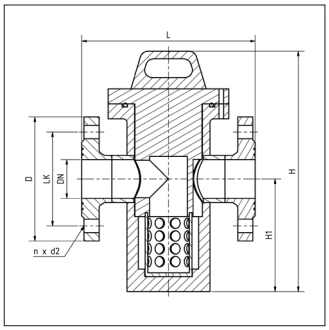
Op aanvraag :
- Diameters tot DN500
- Versterkte versie met glasvezel versterking
- Manometeraansluiting op de filteruitgang
- Aftapkraan
- Snelsluitsysteem

Sur demande:
- Diamètres jusqu'à DN500
- Version avec renforcement en fibres de verre
- Perçage pour manomètre
- Vanne de purge
- Tendeurs rapides

On request:
- Sizes up to DN500
- Fiberglass reinforced version
- Pressure gauge port
- Drainvalve
- Quick release clamps



BSOM



MANDFILTERS
FILTRES A PANIER
POT STRAINERS

Met vaste flenzen volgens DIN EN 1092-1, DIN2501 PN10.
ETFE filter, standaard maaswijdte 2,0 mm, andere op aanvraag, dichtingen EPDM of FPM.
Schoonmaken/vervangen filter van bovenuit.

A brides fixes suivants DIN EN 1092-1, DIN2501 PN10.
Trame du filtre ETFE 2,0mm, autres sur demande, joints d'étanchéité en EPDM ou FPM.
Nettoyage /rechangement du filtre par au-dessus.

Fixed flanges acc to DIN EN1092-1, DIN2501 PN10.
ETFE filter, standard mesh 2,0mm, others on request, seals in EPDM or FPM.
Filter cleaning/exchange from above.

d	DN	PN	H	H1	L	LK	D	n x d2	Kv l/min	G/ST/PC	€/ST/PC	€/ST/PC
						DIN EN 1092-1 / DIN2501			Δp=1bar		EPDM	FPM
63	50	6	320	150	230	125	165	4 x ø18	350	3500	**1763**	**1794**
75	65	6	450	250	255	145	185	4 x ø18	500	5000	**1833**	**1863**
90	80	6	480	270	270	160	200	8 x ø18	1000	6500	**2004**	**2034**
110	100	6	573	285	350	180	220	8 x ø18	1600	8000	**2447**	**2498**
140	125	6	620	365	400	210	250	8 x ø22	3000	13000	**3112**	**3172**
160	150	4	690	410	450	240	285	8 x ø22	4500	17000	**3755**	**3836**
225	200	4	875	555	520	295	340	8 x ø22	10000	24000	**6356**	**6448**
280	250	4	920	570	630	350	395	12 x ø22	-	30000	**8151**	**8265**
315	300		1125	730	810	400	445	12 x ø22	-	-	**-**	**-**

Op aanvraag :
- Diameters tot DN300
- Versterkte versie met glasvezel versterking
- Manometeraansluiting op de filteruitgang
- Aftapkraan
- Snelsluitsysteem

Sur demande:
- Diamètres jusqu'à DN300
- Version avec renforcement en fibres de verre
- Perçage pour manomètre
- Vanne de purge
- Tendeurs rapides

On request:
- Sizes up to DN300
- Fiberglass reinforced version
- Pressure gauge port
- Drainvalve
- Quick release clamps

RANDEX

kranen
vannes
valves

PP



27 / DN 15-50



27A / DN 65-100

MONOBLOK KOGELKRANEN
ROBINET A TOURNANT SPHERIQUE - MONOBLOC
MONOBLOC - BALL VALVES

Kogelkranen voor chemische toepassingen. Uniek monoblok design zorgt voor verhoogde zekerheid tegen lekkage. Kogelzittingen en spindelpakking in PTFE.
Geflensde uitvoering, manuele bediening met vergrendelbare kunststof hendel.

Robinets à tournant sphérique pour des applications chimiques. En monobloc unique offre une sécurité accrue contre les fuites. Sièges de boule et le joint de tige en PTFE.
Exécution à bride, commande manuelle à levier cadenassable en matière synthétique.

Ball valves for chemical applications. Unique monobloc design provides increased security against leakage. Ball seats and spindle gasket in PTFE.
Flanged execution, manual control with lockable lever in plastic.

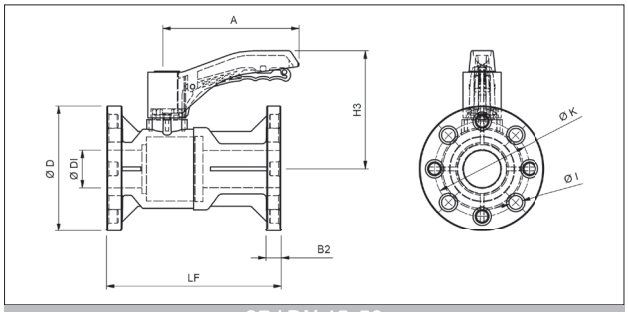
Opties / Option :
- Pneumatische en elektrische aandrijvingen (+ toebehoren)
- spindelverlengingen voor isolatie
- ATEX uitvoering
- diameters tot DN 150
- dodemanshendel
- terugmeldingen (open-dicht)

- Actionneurs pneumatiques et électriques (+ accessoires)
- rehausse pour calorifugeage
- exécution ATEX
- diamètres jusqu'à DN 150
- levier homme mort
- contacts fin de course (ouvert-fermé)

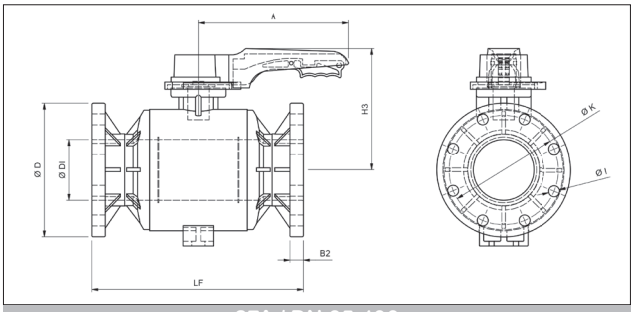
- Pneumatic and electric actuators
- spindle extensions for insulation
- ATEX execution
- diameters up to DN 150
- spring return handle
- limit switches (open-close)

MONOBLOK KOGELKRANEN
ROBINET A TOURNANT SPHERIQUE - MONOBLOC
MONOBLOC - BALL VALVES

Vervolg / suite



27 / DN 15-50



27A / DN 65-100

DN	d	G	PN	Kv	Torque	D	H3	A	LF	B2	n x l	K	Bouten Boulon Bolts	Torque*
				m³/h	Nm									Nm
15	20	1/2"	10	11,1	6	95	115	140	130	13.0	4 x 14	65	4xM12	7,5
20	25	3/4"	10	21.0	6	105	115	140	150	14.0	4 x 14	75	4xM12	9.0
25	32	1"	10	42.0	8	117	125	140	160	15.0	4 x 14	85	4xM12	10.0
32	40	1 1/4"	10	60.0	12	140	145	175	180	17.0	4 x 18	100	4xM16	20.0
40	50	1 1/2"	10	96.0	12	150	145	175	200	17,5	4 x 18	110	4xM16	20.0
50	63	2"	10	186.0	19	165	155	175	230	18.0	4 x 18	125	4xM16	25.0
65	75	2 1/2"	10	300.0	18	185	205	250	290	20.0	4 x 18	145	4xM16	25.0
80	90	3"	10	420.0	18	200	205	250	310	20.0	8 x 18	160	8xM16	30.0
100	110	4"	10	840.0	40	225	215	250	350	21.0	8 x 18	180	8xM16	30.0

Torque = draaimoment / couple de manoeuvre / torque operation
Torque* = aandraaimoment flensbouten / couple de serrage boulons / thightening torque flange bolts

DN	PP-GFK €/ST/PC		
	EPDM	FKM	FEP
15	**99.94**	**112.51**	**161.68**
20	**105.26**	**118.15**	**197.94**
25	**145.04**	**159.55**	**217.04**
32	**182.20**	**196.16**	**279.83**
40	**215.81**	**238.26**	**302.83**
50	**236.32**	**261.80**	**393.75**
65	**497.41**	**540.39**	**673.05**
80	**587.09**	**644.05**	**791.22**
100	**745.94**	**804.66**	**958.02**