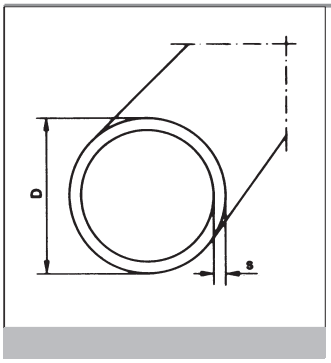
buizen
tuyaux
pipes

PE 100



DRUKBUIS - RECHTE LENGTEN - ZWART
TUYAUX DE PRESSION - LONGUEURS DROITES - NOIR
PRESSURE PIPE - STRAIGHT LENGTHS - BLACK

L = 6 m, andere lengten op aanvraag.
Volgens prEN 12201-2P.

L = 6 m, autres longeurs sur demande.
Selon prEN 12201-2P.

L = 6 m, other lengths on request.
According prEN 12201-2P.

D	SDR 41 PN 4			SDR 33 PN 5			SDR 26 PN 6.3			SDR 17 PN 10			SDR 11 PN 16			SDR 7.4 PN 25		
	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M
20													*2.0	0.14	**1.39**	*3.0	0.17	**1.61**
25													*2.3	0.19	**1.90**	*3.5	0.24	**2.41**
32													3.0	0.27	**2.38**	4.4	0.39	**3.32**
40													3.7	0.43	**3.61**	5.5	0.61	**5.25**
50										*3.0	0.46	**4.46**	4.6	0.67	**5.31**	6.9	0.95	**8.06**
63										3.8	0.73	**5.88**	5.8	1.06	**8.33**	8.6	1.49	**12.82**
75				*2.3	0.55	**5.59**				4.5	1.02	**8.15**	6.8	1.47	**11.73**	10.3	2.12	**18.01**
90				*2.8	0.80	**8.10**	3.5	0.99	**8.23**	5.4	1.47	**11.70**	8.2	2.14	**16.57**	12.3	3.03	**26.05**
110	*2.7	0.95	**9.62**	3.5	1.22	**9.56**	4.2	1.45	**12.06**	6.6	2.18	**17.47**	10.0	3.18	**24.65**	15.1	4.54	**38.48**
125	*3.1	1.23	**12.45**	3.9	1.53	**11.97**	4.8	1.86	**15.49**	7.4	2.78	**22.57**	11.4	4.11	**33.02**	17.1	5.85	**49.62**
140	*3.5	1.56	**15.82**	4.4	1.92	**15.03**	5.4	2.35	**19.55**	8.3	3.49	**28.35**	12.7	5.12	**41.09**	19.2	7.35	**62.28**
160	*4.0	2.02	**20.46**	5.0	2.49	**19.50**	6.2	3.08	**25.66**	9.5	4.55	**36.46**	14.6	6.73	**53.44**	21.9	9.58	**82.31**
180	*4.4	2.48	**23.51**	5.6	3.12	**24.45**	6.9	3.83	**31.89**	10.7	5.76	**46.85**	16.4	8.50	**69.31**	24.6	12.11	**102.71**
200	*4.9	3.08	**31.19**	6.2	3.88	**30.34**	7.7	4.74	**39.45**	11.9	7.12	**57.02**	18.2	10.48	**82.66**	27.4	14.98	**126.87**
225	*5.5	3.90	**39.47**	7.0	4.84	**37.88**	8.6	5.96	**49.67**	13.4	9.01	**73.41**	20.5	13.27	**104.79**	30.8	18.95	**162.76**
250	*6.2	4.84	**49.02**	7.8	6.05	**47.29**	9.6	7.38	**61.45**	14.8	11.04	**85.82**	22.7	16.32	**131.12**	34.2	23.38	**200.84**
280	*6.9	6.04	**61.17**	8.7	7.47	**58.43**	10.7	9.13	**76.60**	16.6	13.86	**113.04**	25.4	20.46	**164.33**	38.3	29.32	**251.89**
315	*7.7	7.59	**76.86**	9.8	9.55	**74.69**	12.1	11.61	**97.44**	18.7	17.57	**142.71**	28.6	25.90	**210.97**	43.1	37.12	**318.86**
355	*8.7	9.65	**97.76**	11.1	12.06	**94.34**	13.6	14.71	**123.27**	21.1	22.35	**183.04**	32.2	32.92	**268.57**	48.5	47.08	**404.38**
400	*9.8	12.20	**123.57**	12.4	15.33	**120.52**	15.3	18.64	**156.59**	23.7	28.25	**226.18**	36.3	41.79	**358.96**	54.7	59.82	**513.85**
450	*11.0	15.40	**169.03**	14.0	19.41	**151.78**	17.2	23.58	**197.38**	26.7	35.80	**286.66**	40.9	52.99	**454.04**	61.5	75.67	**650.00**
500	*12.3	19.10	**209.66**	15.5	23.91	**187.14**	19.1	29.09	**243.17**	29.6	44.24	**360.91**	45.4	65.36	**560.73**	68.3	92.78	*
560	*13.7	23.90	**262.36**	17.4	30.04	**234.91**	21.4	36.50	**304.81**	33.2	55.39	**475.09**	50.8	81.92	**702.35**			
630	*15.4	30.10	**330.39**	19.6	38.02	**297.30**	24.1	46.25	**386.43**	37.4	70.19	**572.57**	57.2	103.76	**889.78**			
710	*17.4	38.30	**420.42**	22.1	48.33	**414.21**	27.2	58.82	**530.77**	42.1	89.05	**727.98**	*64.5	131.00	**1610.92**			
800	*19.6	48.70	**534.57**	24.9	61.22	**524.66**	30.6	74.56	**671.99**	47.4	112.97	**968.18**	*72.6	167.00	**2053.62**			
900	*22.0	61.30	**724.91**	28.0	77.40	**663.36**	34.4	94.30	**912.30**	53.3	142.92	**1224.77**	*81.7	211.00	**2813.62**			
1000	*24.5	75.90	**896.63**	31.0	95.20	**815.92**	38.2	116.35	**1130.70**	59.3	176.66	**1513.71**	*90.8	260.00	**3467.01**			
1200	*29.4	109.00	**1402.17**	*36.7	135.00	**1736.62**	*45.9	168.00	**2161.12**	*71.1	254.00	**3826.23**	*108.9	375.00	**5648.97**			
1400	*34.3	148.00	**2010.82**	*42.9	184.00	**2499.95**	*53.5	228.00	**3097.77**	*83.0	345.00	**5395.92**	*127.0	510.00	**7976.58**			

* L = 5 m PE 100 RC

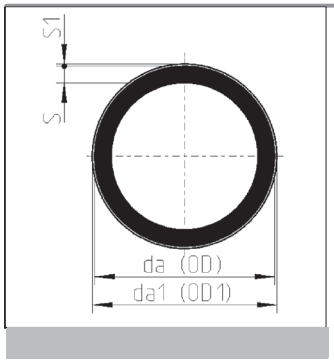
HDPE 100 L = 5,8 m

D	SDR 41 ISO S-20			SDR 33 ISO S-16			SDR 26 ISO S-12.5			SDR 17 ISO S-8			SDR 11 ISO S-5	
	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M	s	KG/M	€/M	s	KG/M
1600	39.2	194	*	49.0	241	*	61.2	298	*	94.8	451	*	145.2	666
1800	44.0	245	*	55.1	305	*	68.8	377	*	106.6	571	*		
2000	48.9	302	*	61.2	376	*	76.4	465	*	118.4	704	*		
2250	55.0	382	*	68.9	476	*	86.0	589	*	133.3	892	*		
2500				76.5	587	*	95.5	727	*	148.1	1101	*		

* prijs op aanvraag / prix sur demande / price on request
Fittings op aanvraag / raccords sur demande / fittings on request

buizen
tuyaux
pipes

PE 100 RC



DRUKBUIS - RECHTE LENGTEN
TUYAUX DE PRESSION - LONGUEURS DROITES
PRESSURE PIPE - STRAIGHT LENGTHS

PE gas / gaz / gas	EN 1555	oranje / orange / orange
PE drinkwater / l'eau potable / potable water	EN 12201/2W	blauw / bleu / blue

D32-63 mm: **L = 6 m**
volledig gekleurd / Entièrement coloré / Fully colored

D75-315 mm: **L = 6-12 m**
Coëxtrusie : binnen zwart / buiten oranje of blauw
Co-extrusion: intérieur noir / extérieur orange ou bleu
Co-extrusion: inside black / outsite orange or blue

Gas - oranje
Gaz - orange
Gas - orange

D	SDR 17 PN 10 s	KG/M	€/M	SDR 11 PN 16 s	KG/M	€/M
32				3.0	0.27	**2.38**
40				3.7	0.43	**3.61**
50				4.6	0.67	**5.31**
63				5.8	1.06	**8.33**
75	4.5	1.02	**8.15**	6.8	1.47	**11.73**
90	5.4	1.47	**11.70**	8.2	2.14	**16.57**
110	6.6	2.18	**17.47**	10.0	3.18	**24.65**
125	7.4	2.78	**22.57**	11.4	4.11	**33.02**
140	8.3	3.49	**28.35**	12.7	5.12	**41.09**
160	9.5	4.55	**36.46**	14.6	6.73	**53.44**
180	10.7	5.76	**46.85**	16.4	8.50	**69.31**
225	13.4	9.01	**73.41**	20.5	13.27	**104.79**
250	14.8	11.04	**85.82**	22.7	16.32	**131.12**
280	16.6	13.86	**113.04**	25.4	20.46	**164.33**
315	18.7	17.57	**142.71**	28.6	25.90	**210.97**
355	21.1	22.35	**183.40**	32.2	32.92	*
400	23.7	28.25	**226.18**	36.3	41.79	*
450	26.7	35.80	**286.66**	40.9	52.99	*
500	29.6	44.24	*	45.4	65.36	*
560	33.2	55.39	*	50.8	81.92	*
630	37.4	70.19	*	57.2	103.76	*
710	42.1	89.05	*	*64.5	131.00	*
800	47.4	112.97	*	*72.6	167.00	*

* op aanvraag / sur demande / on request

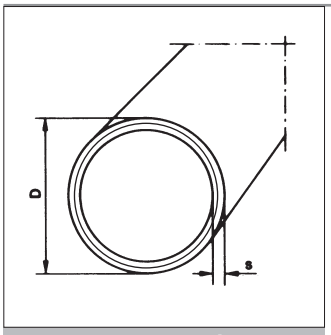
Drinkwater - blauw
L'eau potable - bleu
Potable water - blue

D	SDR 17 PN 10 s	KG/M	€/M	SDR 11 PN 16 s	KG/M	€/M
32				3.0	0.27	**2.38**
40				3.7	0.43	**3.61**
50				4.6	0.67	**5.31**
63				5.8	1.06	**8.33**
75	4.5	1.02	**8.15**	6.8	1.47	**11.73**
90	5.4	1.47	**11.70**	8.2	2.14	**16.57**
110	6.6	2.18	**17.47**	10.0	3.18	**24.65**
125	7.4	2.78	**22.57**	11.4	4.11	**33.02**
140	8.3	3.49	**28.35**	12.7	5.12	**41.09**
160	9.5	4.55	**36.46**	14.6	6.73	**53.44**
180	10.7	5.76	**46.85**	16.4	8.50	**69.31**
225	13.4	9.01	**73.41**	20.5	13.27	**104.79**
250	14.8	11.04	**85.82**	22.7	16.32	**131.12**
280	16.6	13.86	**113.04**	25.4	20.46	**164.33**
315	18.7	17.57	**142.71**	28.6	25.90	**210.97**
355	21.1	22.35	*	32.2	32.92	*
400	23.7	28.25	*	36.3	41.79	*
450	26.7	35.80	*	40.9	52.99	*
500	29.6	44.24	*	45.4	65.36	*
560	33.2	55.39	*	50.8	81.92	*
630	37.4	70.19	*	57.2	103.76	*
710	42.1	89.05	*	*64.5	131.00	*
800	47.4	112.97	*	*72.6	167.00	*

* op aanvraag / sur demande / on request

buizen - glasvezelversterkt
tuyaux - fibres de verre
pipes - glass fiber reinforced

BLACKTECplus **PE 100**



BLACKTECplus

DRUKBUIS - ZWART MET 4 GRIJZE STREPEN
TUYAUX DE PRESSION - NOIR AVEC 4 RAYURES GRIS
PRESSURE PIPE - BLACK WITH 4 GREY STRIPES

L = 5 m, afmetingen volgens ISO4427-2 en ISO4437-2. DIN 8074 - 8075, DIN EN 12201.
Zwarte buizen met glasvezelversterkte middenlaag voor 55% gereduceerde axiale uitzetting.
Uitzettingscoëfficiënt: 0.09 mm/mK.

L = 5 m, dimensions selon ISO4427-2 et ISO4437-2. DIN 8074 - 8075, DIN FN 12201.
Tuyaux noirs avec une couche intermédiare en fibres de verre pour 55% une dilatation réduite.
Coefficient de dilatation: 0.09 mm/mk.

L = 5 m, dimensions according ISO4427-2 and ISO4437-2. DIN 8074 - 8075, DIN FN 12201.
Black pipes with glass fiber reinforced middle layer for 55% reduced axial expansion.
Expansion coefficient: 0.09 mm/mk.

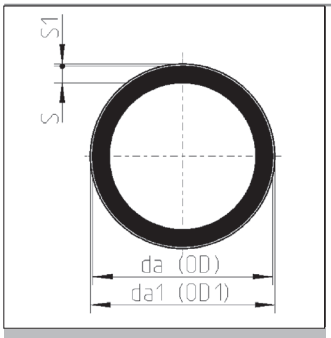
SDR 17 / ISO S-8

D	s	KG/M	€/M
160	9.5	4.70	**72.24**
***180**	10.7	5.90	**90.47**
200	11.9	7.32	**108.72**
225	13.4	9.50	**150.79**
250	14.8	11.10	**163.26**

SDR 11 / ISO S-5

D	s	KG/M	€/M
63	5.8	1.11	**13.09**
75	6.8	1.53	**18.89**
90	8.2	2.19	**24.00**
110	10.0	3.20	**47.74**
125	11.4	4.20	**59.33**
140	12.7	5.20	**66.45**
160	14.6	6.80	**80.17**
180	16.4	8.70	**100.53**
200	18.2	10.70	**120.81**
225	20.5	13.50	**167.54**
250	22.7	16.40	**181.41**

* op aanvraag / sur demande / on request.



MINELINE II

MINELINE II - INDUSTRIAL PIPING SYSTEM

L = 5 m

Buis met witte signaal beschermlaag en slijtvaste beschermlaag.
Extra slijtvaste buis, extra witte buitenlaag reflecteert zonlicht voor minder uitzetting, extra slijtvaste binnenlaag gemaakt van een speciale composiet.
Dit maakt mineline 2 ook tot een robuustere buis dankzij de meerlaagse structuur, die alle voordelen en meer biedt van een reguliere PE-buis.
Ook aftakkingen, bochten, T-stukken en kragen van mineline-materiaal zijn verkrijgbaar.

Tuyau avec couche de signal blanche et couche obrasive.
Tuyau extra résistant à l'abrasion, couche extérieure extra blanche réfléchit la lumière du soleil pour moins d'expansion, couche extra résistante à l'usure intérieure faite d'un composite spécial. Tube avec couche protectrice de signalisation blanche et couche protectrice résistante à l'abrasion. Grâce à sa structure multicouche, mineline 2 est également un tube plus robuste, offrant tous les avantages et plus encore d'un tube PE ordinaire.
Des embranchements, des coudes, des tés et des colliers en matériau mineline sont également disponibles.

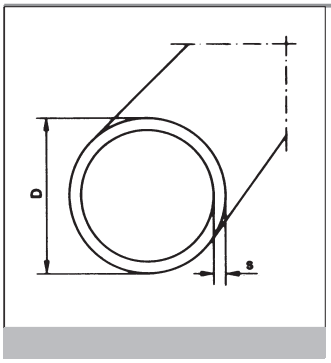
Pipe white signal-layer and abrasion layer.
Extra abrasion resistant pipe, extra White outer layer reflects sunlight for less expansion, extra inside wear resistant layer made out of a special composite.
This also makes mineline 2 pipe a more robust pipe due to multi-layer structure, which offers all advantages and more of regulare PE pipe, also branches, bends, T-pièces and stub flanges made out of mineline material are available.

SDR 17 / ISO S-8

da	s	KG/M
160	9.5	6.31
180	10.7	8.36
200	11.9	10.00
225	13.4	12.30
250	14.8	14.70
280	16.6	18.00
315	18.7	22.20
355	21.1	27.60
400	23.7	34.20
450	26.7	43.50
500	29.7	52.80
560	33.2	65.00
630	37.4	82.60
710	42.1	90.41
800	47.4	114.64
900	53.3	144.78
1000	59.3	178.34
1200	71.1	256.46

SDR 11 / ISO S-5

da	s	KG/M
63	5.8	1.41
75	6.8	1.90
90	8.2	2.83
110	10.0	4.04
125	11.4	5.10
140	12.7	6.53
160	14.6	8.35
180	16.4	10.90
200	18.2	13.20
225	20.5	16.30
250	22.7	19.70
280	25.4	24.30
315	28.6	30.20
355	32.2	37.70
400	36.3	47.20
450	40.9	59.90
500	45.4	73.20
560	50.8	90.60
630	57.2	114.00
710	64.5	133.51
800	72.6	169.24
900	81.7	213.68
1000	90.8	263.47
1200	108.9	378.39



DRUKBUIS - ROLLEN
TUYAUX DE PRESSION - ROULEAUX
PRESSURE PIPE - COILS

L = 50 - 100 m, andere lengten op aanvraag
Volgens prEN 12201
Rollen voor gastransport of kabelbescherming: op aanvraag

L = 50 - 100 m, autres longueurs sur demande
Selon prEN 12201
Rouleaux pour le transport de gaz et protection de câbles: sur demande

L = 50 - 100 m, other lengths on request
According to prEN 12201
Coils for conveyance of gas and cable protection: on request

PE-100

D	SDR 17 PN 10				SDR 11 PN 16				SDR 7.4 PN 25			
	s	Ø	KG/M	€/M	s	Ø	KG/M	€/M	s	Ø	KG/M	€/M
20					2.0	15.0	0.14	**1.44**	3.0	14.0	0.17	**1.88**
25					2.3	19.6	0.19	**1.91**	3.5	18.0	0.24	**2.58**
32					3.0	26.0	0.28	**2.99**	4.4	23.2	0.39	**4.13**
40					3.7	32.6	0.43	**4.55**	5.5	29.0	0.60	**6.35**
50	3.0	44.0	0.46	**4.80**	4.6	40.8	0.66	**7.12**	6.9	36.2	0.94	**9.92**
63	3.8	55.4	0.73	**7.66**	5.8	51.4	1.05	**11.22**	8.6	45.8	1.48	**15.61**
75	4.5	66.0	1.02	**10.70**	6.8	61.4	1.47	**15.72**	10.3	54.4	2.10	**22.14**
90	5.4	79.2	1.47	**15.42**	8.2	73.6	2.12	**22.56**	12.3	65.4	3.02	**31.85**
110	6.6	90.0	2.19	**23.09**	10.0	90.0	3.16	**33.76**	15.1	79.8	4.52	**47.64**

Opmerking!
Bij dit type buis dient men er rekening mee te houden dat, na verloop van tijd, de kans bestaat dat de buisdoorsnede ovaal komt te staan, onder invloed van de verpakking.
Alvorens tot lassen over te gaan, moet dit worden hersteld door verhitting, kalibrering of indien noodzakelijk door de buisuiteindes af te zagen.

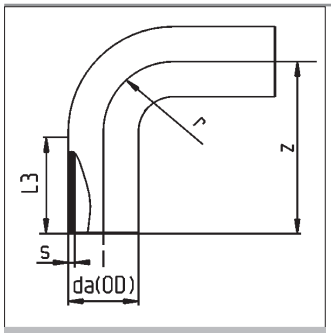
Attention !
Il convient de tenir compte qu'il est possible que la section tubulaire de ce type de tuyau devienne ovale à cause de l'emballage après un certain temps.
Avant de le souder, il doit être réparé en le chauffant, en le calibrant ou en sciant l'extrémité du tuyau si nécessaire.

NB!
With this type of pipe it must be taken into account that after some time there is a chance that the cross-section of the pipe will become oval under the influence of the packing.
Before welding, this must be repaired either by heating, calibration, or if necessary sawing off the ends of the pipe.

agru

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

PE 100 RC



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	**7.57**
75	75.0	75	150.0	4.5	0.302	**11.06**
90	76.0	90	168.0	5.4	0.482	**14.41**
110	82.0	110	189.0	6.6	0.797	**30.39**
125	92.0	125	218.0	7.4	1.200	**38.58**
140	95.0	140	241.0	8.3	1.618	**56.07**
160	100.5	160	260.0	9.5	2.300	**61.83**
180	109.0	180	285.0	10.7	3.210	**76.42**
200	118.5	200	318.5	11.9	4.180	**94.67**
225	125.0	225	353.0	13.4	5.940	**123.37**
250	133.0	250	389.0	14.8	7.380	**241.90**
280	143.0	280	429.0	16.6	10.220	**352.49**
315	158.0	315	475.0	18.7	14.580	**440.11**

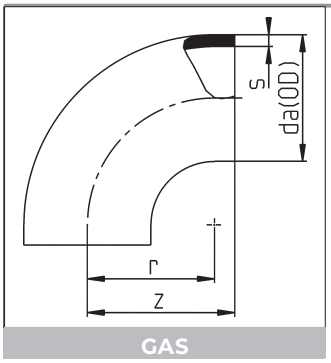
SDR 11 / ISO S-5

da	L3	r	z	s	KG/ST/PC	€/ST/PC
20	40.0	20	60.0	2.0	0.014	**3.24**
25	42.5	25	68.5	2.3	0.023	**3.38**
32	47.0	32	79.0	3.0	0.042	**3.51**
40	52.0	40	92.5	3.7	0.075	**4.55**
50	58.5	50	108.5	4.6	0.140	**5.70**
63	66.5	63	129.5	5.8	0.263	**8.20**
75	75.0	75	150.0	6.8	0.413	**11.30**
90	76.0	90	168.0	8.2	0.685	**16.38**
110	82.0	110	189.0	10.0	1.144	**31.18**
125	92.0	125	218.0	11.4	1.681	**43.90**
140	95.0	140	241.0	12.7	2.380	**58.71**
160	100.5	160	260.0	14.6	3.320	**75.59**
180	109.0	180	285.0	16.4	4.580	**89.54**
200	118.5	200	318.5	18.2	6.180	**133.40**
225	125.0	225	353.0	20.5	8.520	**159.16**
250	133.0	250	389.0	22.7	10.800	**286.99**
280	143.0	280	429.0	25.4	15.100	**414.90**
315	158.0	315	475.0	28.6	21.020	**515.09**

agru

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

PE 100 RC



GAS

BOCHTEN 90°
COURBES A 90°
BENDS 90°

Gespoten.
Injectés.
Moulded.

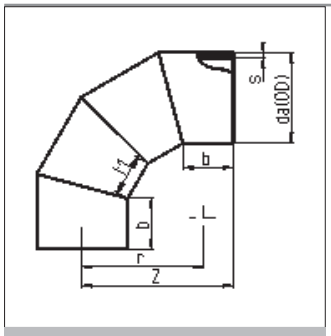
da	SDR 33 / ISO S-16					SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	r	z	s	KG ST/PC	€ ST/PC	r	z	s	KG ST/PC	€ ST/PC	r	z	s	KG ST/PC	€ ST/PC
20											23	32	2.0	0.007	**3.26**
25											30	38	2.3	0.011	**3.41**
32											32	43	3.0	0.020	**3.53**
40											40	46	3.7	0.032	**4.56**
50											50	58	4.6	0.074	**5.74**
63						63	70	3.8	0.070	**7.60**	63	70	5.8	0.110	**8.22**
75						75	85	4.5	0.150	**11.12**	75	85	6.8	0.213	**11.35**
90						90	100	5.4	0.260	**14.49**	90	100	8.2	0.373	**16.47**
110	110	120	3.4	0.258	**21.73**	110	123	6.6	0.440	**30.56**	110	124	10.0	0.649	**31.34**
125	125	140	3.9	0.352	**24.46**	125	140	7.4	0.624	**38.81**	125	140	11.4	0.928	**44.16**
140	140	150	4.3	0.474	**31.62**	140	150	8.3	0.876	**56.39**	140	150	12.7	1.280	**59.05**
160	155	180	4.9	0.953	**41.33**	155	180	9.5	1.340	**62.18**	155	180	14.6	2.210	**79.15**
180	180	200	5.5	1.220	**50.38**	180	200	10.7	2.120	**76.87**	180	200	16.4	3.210	**93.71**
200	200	220	6.2	1.740	**66.93**	200	220	11.9	2.770	**95.21**	200	220	18.2	3.680	**139.65**
225	225	245	6.9	1.944	**82.10**	225	245	13.4	3.900	**129.09**	225	243	20.5	5.240	**174.14**
250	265	290	7.7	3.440	**99.24**	265	285	14.8	5.860	**185.62**	265	290	22.7	8.020	**273.00**
280	260	290	8.6	4.380	**122.72**	265	290	16.5	7.140	**241.25**	265	290	25.4	9.750	**354.95**
315	300	340	9.7	6.160	**174.16**	300	340	18.7	10.860	**333.30**	300	340	28.6	14.360	**490.04**
355	300	340	10.9	8.900	**443.30**	300	340	21.1	12.620	**512.71**	300	340	32.2	18.460	**716.80**
400	300	345	12.3	11.120	**619.98**	300	340	23.7	15.600	**735.45**	300	345	36.3	23.500	**984.34**
450	400	445	13.8	15.000	**835.21**	400	445	26.7	25.940	**961.39**	400	445	40.9	38.800	**1291.65**
500	400	445	15.3	18.480	**1164.14**	400	445	29.7	31.940	**1213.19**	400	445	45.4	48.340	**1666.25**

VINK

agru

stomplasfittingen, gesegmenteerd
raccors pour le soudage bout à bout, segmentées
fittings for butt welding, segmented

PE 100



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									SDR 33 / ISO S-16								
da	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	13.7	840	350	300	1040	600	500	38.40	**1533.48**	17.2	840	350	300	1040	600	500	47.9	**1832.29**
630	15.4	945	350	338	1126	675	519	50.22	**1840.67**	19.3	945	350	338	1126	675	519	71.0	**2249.70**
710	17.4	1065	400	380	1275	761	590	75.49	**2246.21**	21.8	1065	400	380	1275	761	590	102.0	**2765.89**
800	19.6	1200	400	429	1385	857	614	111.16	**2712.16**	24.5	1200	400	429	1385	857	614	139.0	**3389.56**
900	22.0	1350	400	482	1509	965	641	148.55	**3622.76**	27.6	1350	400	482	1509	965	641	190.0	**4473.47**
1000	24.5	1500	500	536	1732	1072	768	189.98	**4599.12**	30.6	1500	500	536	1732	1072	768	271.0	**5649.22**
1200	29.4	1800	500	643	1978	1286	822	291.03	**6684.47**	36.7	1800	500	643	1978	1286	822	440.0	**8171.88**
1400	34.3	1705	500	400	2005	-	-	496.00	**11917.23**									
1600	39.2	1920	500	446	2197	-	-	701.00	**15586.03**	49.0	1920	500	446	2197	-	-	869.0	**18906.64**

	SDR 26 / ISO S-12.5									SDR 17 / ISO S-8								
da	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	21.4	840	350	300	1040	600	500	58.4	**2253.13**	33.2	840	350	300	1040	600	500	88.3	**3332.00**
630	24.1	945	350	338	1126	675	519	87.0	**2704.82**	37.4	945	350	338	1126	675	519	132.0	**4048.07**
710	27.2	1065	400	380	1275	761	590	126.0	**3305.56**	42.1	1065	400	380	1275	761	590	190.0	**4996.65**
800	30.8	1200	400	429	1385	857	614	172.0	**4036.89**	47.4	1200	400	429	1385	857	614	260.0	**6142.71**
900	34.4	1350	400	482	1509	965	641	235.0	**5409.69**	53.3	1350	400	482	1509	965	641	365.0	**8096.91**
1000	38.2	1500	500	536	1732	1072	768	335.0	**6939.79**	59.3	1500	500	536	1732	1072	768	507.0	**10347.13**
1200	45.9	1800	500	643	1978	1286	822	545.0	**10049.87**	71.1	1800	500	643	1978	1286	822	825.0	**14932.99**
1400	53.5	1705	500	400	2005	-	-	756.0	**17777.28**	83.0	1705	500	400	2005	-	-	1145.0	**25953.53**
1600	61.2	1920	500	446	2197	-	-	1077.0	**22953.50**	94.8	1920	500	446	2197	-	-	1628.0	**34228.30**

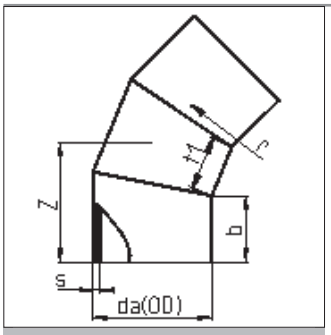
	SDR 11 / ISO S-5								
da	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	50.8	840	350	300	1040	600	500	130	**4918.28**
630	57.2	945	350	338	1126	675	519	195	**5883.23**
710	64.5	1065	400	380	1275	761	590	280	**7252.90**
800	72.6	1200	400	429	1385	857	614	383	**8878.71**
900	81.7	1350	400	482	1509	965	641	525	**11703.26**
1000	90.8	1500	500	536	1732	1072	768	749	**15021.83**
1200	108.9	1800	500	543	1978	1286	822	1218	**22183.45**
1400	127.0	1705	500	400	2005	-	-	1145	**38469.78**
1600	145.2	1920	500	446	2197	-	-	1628	**50708.62**

Opmerking / remarque / remark:
da 560-1200 : 4 segmenten / segments / segment
da 1400-1600 : 5 segmenten / segments / segment

agru

stomplasfittingen, gesegmenteerd
raccors pour le soudage bout à bout, segmentées
fittings for butt welding, segmented

PE 100



45°

BOCHTEN 45°
COURBES A 45°
BENDS 45°

Veiligheidsfactor x 0,8
Facteur de sécurité x 0,8
Security factor x 0,8

da	SDR 41 / ISO S-20									SDR 33 / ISO S-16								
	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	13.7	840	350	223.0	587	445	461	27.89	**1017.19**	17.2	840	350	223.0	587	445	461	34.66	**1215.17**
630	15.4	945	350	251.0	616	501	475	36.00	**1209.43**	19.3	945	350	251.0	616	501	475	45.00	**1477.81**
710	17.4	1065	400	282.5	700	565	541	52.00	**1474.08**	21.8	1065	400	282.5	700	565	541	65.00	**1814.87**
800	19.6	1200	400	318.3	738	637	559	70.00	**1755.39**	24.5	1200	400	318.3	738	637	559	87.00	**2194.35**
900	22.0	1330	400	358.0	780	716	579	93.00	**2311.38**	27.6	1330	400	358.0	780	716	579	116.00	**2852.99**
1000	24.5	1500	500	398.0	923	796	699	136.00	**2957.72**	30.6	1500	500	398.0	923	796	699	169.00	**3631.85**
1200	29.4	1800	500	477.5	1007	955	739	214.00	**4176.68**	36.7	1800	500	477.5	1007	955	739	265.00	**5101.53**
1400	34.3	1705	500	400.0	1006	957	778	291.00	**6580.87**	-	-	-	-	-	-	-	-	-
1600	39.2	1920	500	446.0	1073	1082	818	404.00	**8121.69**	49.0	1920	500	446.0	1073	1082	818	501.00	**10386.00**
1800	44.0	2160	500	501.0	1144	1217	858	543.00	**10721.88**	55.1	2160	500	501.0	1144	1217	858	676.00	**13194.63**
2000	48.9	2400	500	557.0	1216	1353	898	711.00	**13028.21**	61.2	2400	500	557.0	1216	1353	898	885.00	**16785.32**
2250	55.0	2700	500	627.0	1305	1522	948	965.00	**17613.10**	68.9	2700	500	627.0	1305	1522	948	1200.00	**21506.47**

da	SDR 26 / ISO S-12.5									SDR 17 / ISO S-8								
	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	21.4	840	350	223.0	587	445	461	42.3	**1494.22**	33.2	840	350	223.0	587	445	461	64	**2209.49**
630	24.1	945	350	251.0	616	501	475	56.0	**1776.02**	37.4	945	350	251.0	616	501	475	84	**2657.56**
710	27.2	1065	400	282.5	700	565	541	80.0	**2167.74**	42.1	1065	400	282.5	700	565	541	122	**3276.83**
800	30.6	1200	400	318.3	738	637	559	107.0	**2610.37**	47.4	1200	400	318.3	738	637	559	162	**3972.87**
900	34.4	1330	400	358.0	780	716	579	143.0	**3446.69**	53.3	1350	400	358.0	780	716	579	216	**5156.34**
1000	38.2	1500	500	398.0	923	796	699	209.0	**4460.32**	59.3	1500	500	398.0	923	796	699	317	**6646.36**
1200	45.9	1800	500	477.5	1007	955	739	328.0	**6270.65**	71.1	1800	500	477.5	1007	955	739	496	**9305.85**
1400	53.5	1705	500	400.0	1006	957	778	447.0	**9843.45**	83.0	1705	500	400.0	1006	957	778	676	**14422.35**
1600	61.2	1920	500	446.0	1073	1082	818	621.0	**12632.27**	94.8	1920	500	446.0	1073	1082	818	939	**18861.14**
1800	68.8	2160	500	501.0	1144	1217	858	836.0	**16014.90**	106.6	2160	500	501.0	1144	1217	858	1265	**24179.61**
2000	76.4	2400	500	557.0	1216	1353	898	1095.0	**20379.59**	118.4	2400	500	557.0	1216	1353	898	1658	**30658.43**
2250	86.0	2700	500	627.0	1305	1522	948	1485.0	**26343.92**	133.3	2700	500	627.0	1305	1522	948	2248	**40039.86**

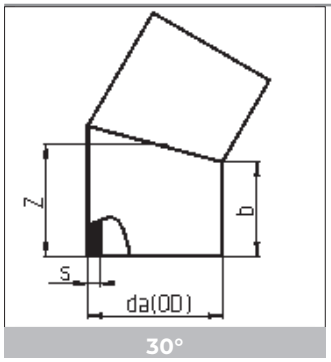
da	SDR 11 / ISO S-5								
	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	50.8	840	350	223.0	587	445	461	94.3	**3261.42**
630	57.2	945	350	251.0	616	501	475	124.0	**3861.51**
710	64.5	1065	400	282.5	700	565	541	179.0	**4102.27**
800	72.6	1200	400	318.3	738	637	559	239.0	**5738.66**
900	81.7	1350	400	358.0	780	716	579	320.0	**7445.34**
1000	90.8	1500	500	398.0	923	796	699	468.0	**9643.11**
1200	108.9	1800	500	477.5	1007	955	739	733.0	**13830.21**
1400	127.0	1705	500	400.0	1006	957	778	998.0	**21368.13**
1600	145.2	1920	500	446.0	1073	1082	818	1387.0	**27935.14**

VINK

agru

stomplasfittings, gesegmenteerd
raccords pour le soudage bout à bout, segmentées
fittings for butt welding, segmented

PE 100



30°

BOCHTEN 30°
COURBES A 30°
BENDS 30°

Veiligheidsfactor x 0,8 / Facteur de sécurité x 0,8 / Security factor x 0,8t

da	SDR 41 / ISO S-20						SDR 33 / ISO S-16					
	s	b	z	t	KG ST/PC	€ ST/PC	s	b	z	t	KG ST/PC	€ ST/PC
560	13.7	350	425	500	20.3	**587.07**	17.2	350	425	500	24.7	**705.43**
630	15.4	350	434	519	25.6	**700.83**	19.3	350	434	519	31.8	**858.37**
710	17.4	400	495	590	37.9	**876.74**	21.8	400	495	590	47.2	**1080.90**
800	19.6	400	507	614	59.1	**1047.95**	24.5	400	507	614	73.3	**1308.40**
900	22.0	400	521	641	76.1	**1379.32**	27.6	400	521	641	95.0	**1705.10**
1000	24.5	500	634	768	96.0	**1837.90**	30.6	500	634	768	119.0	**2260.91**
1200	29.4	500	661	822	144.0	**2570.35**	36.7	500	661	822	178.0	**3147.79**

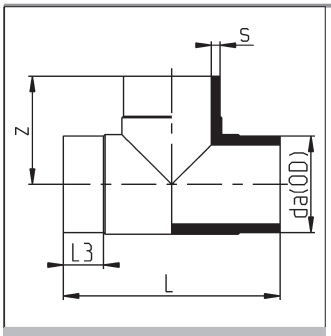
da	SDR 26 / ISO S-12.5						SDR 17 / ISO S-8					
	s	b	z	t	KG ST/PC	€ ST/PC	s	b	z	t	KG ST/PC	€ ST/PC
560	21.4	350	425	500	30.4	**867.65**	33.2	350	425	500	46.0	**1287.07**
630	24.1	350	434	519	39.4	**1035.80**	37.4	350	434	519	59.6	**1552.33**
710	27.2	400	495	590	58.4	**1298.52**	42.1	400	495	590	88.1	**1962.48**
800	30.6	400	507	614	90.7	**1566.50**	47.4	400	507	614	137.0	**2381.54**
900	34.4	400	521	641	117.0	**2067.53**	53.3	400	521	641	177.0	**3098.63**
1000	38.2	500	634	768	148.0	**2780.93**	59.3	500	634	768	223.0	**4157.36**
1200	45.9	500	661	822	222.0	**3875.22**	71.1	500	661	822	336.0	**5772.38**

da	SDR11 / ISO S-5					
	s	r	b	t	KG ST/PC	€ ST/PC
560	50.8	350	425	500	67.8	**1899.37**
630	57.2	350	434	519	87.4	**2260.27**
710	64.5	400	495	590	130.0	**2855.81**
800	72.6	400	507	614	203.0	**3452.54**
900	81.7	400	521	641	262.0	**4491.43**
1000	90.8	500	634	768	330.0	**6052.52**
1200	108.9	500	661	822	496.0	**8567.67**

agru

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

PE 100 RC



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	109.0	3.4	0.664	**28.49**
125	230	40	115.0	3.9	0.530	**34.84**
140	253	25	125.0	4.3	1.080	**38.87**
160	340	57	170.0	4.9	1.731	**64.84**
180	365	57	182.5	5.5	2.360	**80.71**
200	400	57	200.0	6.2	3.140	**99.65**
225	435	57	217.5	6.9	4.340	**177.92**
250	475	70	237.0	7.7	6.320	**275.14**
280	540	80	270.0	8.6	8.450	**350.01**
315	550	80	275.0	9.7	10.980	**441.88**
355	684	100	342.0	10.9	16.980	**618.74**
400	700	104	350.0	12.3	23.400	**907.12**
450	900	130	450.0	13.8	33.000	**1224.72**
500	895	130	450.0	15.3	33.500	**1589.90**

SDR 17 / ISO S-8

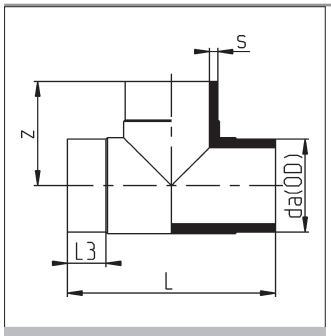
da	L	L3	z	s	KG/ST/PC	€/ST/PC
63	145	25.0	72.0	3.8	0.180	**7.75**
75	150	16.0	75.0	4.5	0.322	**15.78**
90	210	38.0	107.0	5.4	0.526	**22.54**
110	251	50.5	121.0	6.6	0.914	**37.37**
125	270	52.0	135.0	7.4	1.380	**51.79**
140	300	54.0	150.0	8.3	1.845	**61.15**
160	340	57.0	170.0	9.5	2.540	**114.96**
180	365	57.0	182.5	10.7	3.520	**141.21**
200	400	57.0	200.0	11.9	4.720	**192.81**
225	440	57.0	220.0	13.4	6.480	**226.37**
250	464	70.0	235.0	14.8	8.620	**300.41**
280	534	80.0	267.0	16.6	12.260	**339.55**
315	546	80.0	275.0	18.7	15.000	**451.65**
355	680	104.0	340.0	21.1	23.640	**679.11**
400	695	104.0	345.0	23.7	28.500	**928.18**
450	890	130.0	445.0	26.7	47.500	**1419.79**
500	890	130.0	445.0	29.7	53.500	**1661.40**

VINK

agru

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

PE 100 RC



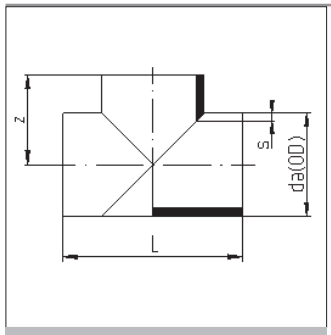
TAS

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	2.0	0.013	**2.38**
25	80	20.5	40.0	2.3	0.021	**2.38**
32	90	20.5	45.0	3.0	0.039	**3.00**
40	100	20.5	50.0	3.7	0.065	**4.76**
50	120	23.0	60.0	4.6	0.122	**6.43**
63	144	25.0	72.0	5.8	0.225	**9.95**
75	152	15.0	75.0	6.8	0.408	**20.03**
90	212	38.0	105.0	8.2	0.701	**29.94**
110	253	51.0	122.0	10.0	1.240	**43.95**
125	277	52.0	140.0	11.4	1.880	**60.51**
140	304	53.0	152.0	12.7	2.480	**76.69**
160	340	57.0	170.0	14.6	3.440	**128.98**
180	365	57.0	182.5	16.4	4.600	**165.30**
200	400	57.0	200.0	18.2	6.320	**236.87**
225	440	57.0	220.0	20.5	8.560	**281.72**
250	466	72.0	235.0	22.7	11.160	**358.40**
280	536	80.0	270.0	25.4	16.200	**484.58**
315	540	80.0	270.0	28.6	19.700	**688.35**
355	680	105.0	340.0	32.2	31.320	**884.92**
400	695	103.0	350.0	36.3	39.300	**1201.24**
450	900	130.0	450.0	40.9	65.520	**1745.68**
500	900	130.0	450.0	45.4	73.720	**2231.07**



T-STUKKEN 90°, GESEGMENTEERD
TES A 90°, SEGMENTÉES
TEES 90°, SEGMENTED

Veiligheidsfactor / facteur de sécurité / security factor: x 0,6

da	SDR 26 / ISO S-12.5					SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	s	z	L	KG ST/PC	€ ST/PC	s	z	L	KG ST/PC	€ ST/PC	s	z	L	KG ST/PC	€ ST/PC
560	21.40	540	1080	49.1	**2225.66**	33.2	540	1080	72.3	**3337.79**	50.8	540	1080	110	**4968.24**
630	24.10	615	1230	71.0	**2757.02**										
710	27.20	655	1310	98.0	**3355.10**	42.1	655	1310	143.0	**5088.66**	64.5	655	1310	221	**7488.31**
800	30.60	700	1400	134.0	**4136.63**	47.4	700	1400	192.0	**6314.44**	72.6	700	1400	300	**9243.81**
900	34.34	950	1900	222.0	**6238.62**	53.3	950	1900	336.0	**9419.44**	81.7	950	1900	496	**13797.46**
1000	38.20	1000	2000	291.0	**7710.36**	59.3	1000	2000	441.0	**11617.38**	90.8	1000	2000	651	**17039.92**
1200	45.80	-	-	-	**11284.98**	71.1	1100	2200	711.0	**16954.78**	108.9	1100	2200	1049	**25250.34**
1400	53.50	1200	2400	707.0	**19196.36**	83.0	1200	2400	1071.0	**28703.79**	127.0	1200	2400	1580	**42693.02**
1600	61.20	1300	2600	1014.0	**25682.50**	94.8	1300	2600	1533.0	**38675.28**	145.2	1300	2600	2265	**57541.61**
1800	68.80	1400	2800	1395.0	**33541.32**	106.6	1400	2800	2111.0	**50884.32**					
2000	76.40	1500	3000	1861.0	**43350.02**	118.5	1500	3000	2818.0	**65662.80**					

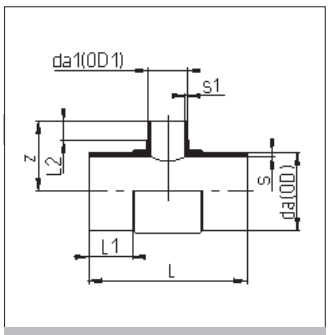
agru

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

PE 100 RC

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

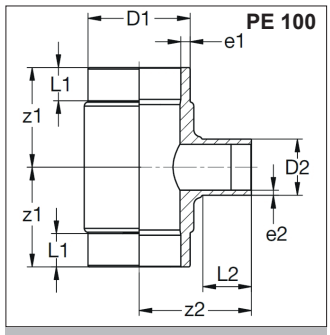
Gespoten / Injectés /Moulded.



TRAS

SDR 17 / ISO S-8

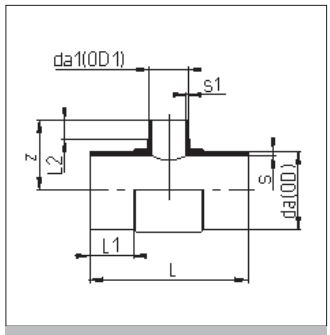
da/da1	s	z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
140/ 63	8.3	120	300	86	32	3.8	1.38	**65.08**
140/ 75	8.3	130	300	86	35	4.5	1.38	**65.37**
140/ 90	8.3	130	300	86	42	5.4	1.409	**66.46**
140/110	8.3	139	300	53	46	6.6	1.720	**67.79**
160/125	9.5	150	325	62	50	7.4	2.220	**126.42**
180/ 63	10.7	138	358	130	32	3.8	2.140	**150.10**
180/ 75	10.7	140	360	120	31	4.5	2.200	**150.10**
180/110	10.7	152	365	104	48	6.6	2.280	**154.71**
180/125	10.7	161	358	96	52	7.4	2.560	**154.71**
225/125	13.4	180	445	140	45	7.4	4.380	**246.01**
500/200	29.7	405	900	133	115	11.9	48.740	**2332.29**



TRAS (NO AGRU)

D1-D2	e1	e2	L1	L2	z1	z2	KG/ST/PC	€/ST/PC
110- 63	6.6	*5.8	48	32	120	105	0.73	**50.74**
110- 90	6.6	5.4	48	38	120	115	0.75	**51.12**
160-110	9.5	6.6	56	38	160	145	2.13	**151.51**
200-160	11.9	9.5	134	114	275	265	3.70	**299.47**
225-110	13.4	6.6	89	88	220	264	5.52	**293.91**
225-125	13.4	7.4	79	32	185	205	5.54	**296.31**
225-160	13.4	9.5	89	60	235	200	5.51	**299.25**

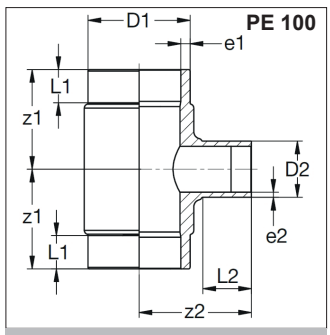
*SDR 11



TRAS

SDR 11 / ISO S-5

da/da1	s	z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
90/ 32	8.2	85	213	57	23	3.0	0.579	**31.71**
90/ 50	8.2	90	210	57	27	4.6	0.589	**32.57**
110/ 32	10.0	94	244	70	23	3.0	0.963	**46.80**
110/ 50	10.0	100	240	70	27	4.6	0.965	**47.75**
125/ 63	11.4	112	275	75	31	5.8	1.420	**66.80**
140/ 63	12.7	120	302	87	32	5.8	1.880	**83.84**
140/ 75	12.7	130	302	87	35	6.8	1.850	**83.84**
140/ 90	12.7	130	305	88	42	8.2	1.967	**85.18**
140/110	12.7	141	305	54	47	10.0	2.280	**85.18**
160/125	14.6	150	325	62	52	11.4	2.820	**141.37**
180/ 63	16.4	139	358	132	32	5.8	3.160	**175.51**
180/ 75	16.4	144	362	119	31	6.8	3.180	**175.51**
180/125	16.4	166	362	100	52	11.4	3.360	**181.16**
225/125	20.5	178	456	143	40	11.4	6.400	**305.58**
500/200	45.4	405	900	130	115	18.2	64.000	**2848.04**



TRAS (NO AGRU)

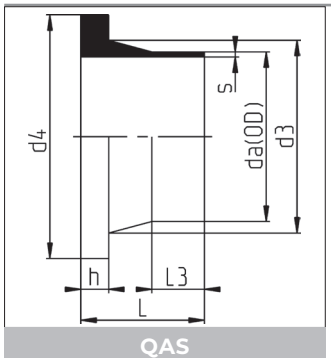
D1-D2	e1	e2	L1	L2	z1	z2	KG/ST/PC	€/ST/PC
63- 32	5.8	3.0	22	15	67	60	0.10	**23.59**
110- 63	10.0	5.8	48	32	120	105	0.90	**76.08**
110- 90	10.0	8.2	48	38	120	115	0.97	**77.70**
160-110	14.5	10.0	56	38	160	145	2.81	**163.18**
200-160	18.2	14.6	98	53	194	178	5.20	**306.19**
225-110	20.5	10.0	89	88	220	264	7.07	**349.57**
225-125	20.5	11.4	79	32	185	205	6.39	**353.34**
225-160	20.5	14.6	89	60	235	200	7.21	**357.67**

VINK

agru

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

PE 100 RC



QAS

VOORLASKRAGEN
COLLETS
STUBS

Gespoten / Injectés / Moulded

SDR 33 / ISO S-16

D	d3	d4	L	L3	s	h	KG/ST/PC	€/ST/PC
110	125	158	80	31.0	3.4	18	0.300	**12.64**
125	132	158	80	38.0	3.9	18	0.294	**15.56**
140	155	188	80	24.0	4.3	18	0.436	**18.07**
160	175	212	80	28.5	4.9	18	0.571	**22.35**
180	183	212	92	53.0	5.5	18	0.480	**32.67**
200	232	268	113	53.0	6.2	18	1.100	**40.14**
225	235	268	113	65.0	6.9	18	0.865	**43.96**
250	285	320	132	70.0	7.7	20	1.780	**62.04**
280	288	320	128	62.0	8.6	20	1.500	**66.93**
315	335	370	136	68.0	9.7	20	2.250	**80.14**
355	373	430	150	75.0	10.9	23	2.940	**137.05**
400	427	482	155	75.0	12.3	26	4.040	**284.75**
450	514	585	170	70.0	13.8	33	8.080	**333.47**
500	530	585	175	86.0	15.3	33	7.140	**405.00**
560	615	685	178	80.0	17.2	35	11.360	**479.24**
630	642	685	180	89.0	19.3	35	8.860	**551.97**
710	737	800	170	70.0	21.8	50	11.710	**-**

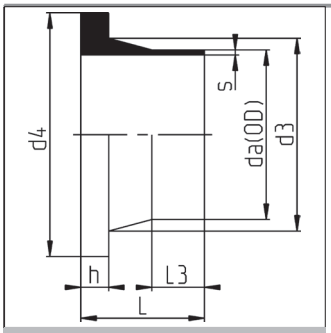
SDR 17 / ISO S-8

D	d3	d4	L	L3	s	h	KG/ST/PC	€/ST/PC
63	75	102	50.0	20	3.8	14	0.114	**5.16**
75	89	122	50.0	18	4.5	16	0.175	**6.10**
90	105	138	82.0	40	5.4	17	0.289	**8.93**
110	125	158	80.0	34	6.6	18	0.880	**11.33**
125	132	158	84.0	46	7.4	18	0.360	**13.96**
140	155	188	92.0	39	8.3	18	0.589	**16.20**
160	175	212	92.0	42	9.5	18	0.741	**20.03**
180	183	212	92.0	53	10.7	20	0.730	**29.28**
200	232	268	110.0	46	11.9	24	1.560	**36.57**
225	235	268	112.5	60	13.4	24	1.499	**41.00**
250	285	320	132.0	64	14.8	25	2.460	**58.56**
280	288	320	128.0	70	16.6	25	2.380	**64.33**
315	335	370	136.0	73	18.7	25	3.400	**78.57**
355	373	430	150.0	78	21.1	30	4.880	**134.63**
400	427	482	155.0	75	23.7	33	6.600	**272.07**
450	514	585	168.0	74	26.7	46	11.960	**320.64**
500	530	585	170.0	79	29.7	46	11.220	**395.29**
560	615	685	175.0	86	33.2	50	16.360	**473.14**
630	642	685	180.0	96	37.4	50	14.200	**547.96**
710	737	800	170.0	70	42.1	50	20.800	**758.64**

agru

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

PE 100 RC



QAS

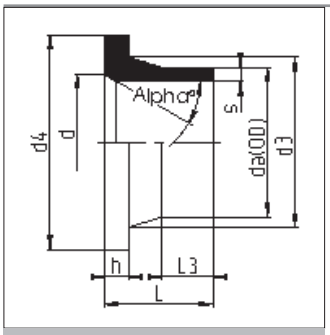
VOORLASKRAGEN
COLLETS
STUBS

Gespoten / Injectés / Moulded

SDR 11 / ISO S-5

D	d3	d4	L	L3	s	h	KG/ST/PC	€/ST/PC
20	27	45	52.0	30.0	2.0	7	0.016	**2.66**
25	33	58	50.0	25.0	2.3	9	0.029	**2.66**
32	40	68	50.0	25.0	3.0	10	0.043	**3.15**
40	50	78	50.0	24.0	3.7	11	0.064	**3.75**
50	61	88	53.0	22.5	4.6	12	0.091	**4.62**
63	75	102	50.0	20.0	5.8	14	0.129	**5.75**
75	89	122	50.5	18.0	6.8	16	0.204	**6.82**
90	105	138	80.0	40.0	8.2	17	0.332	**9.74**
110	125	158	80.0	38.0	10.0	18	0.481	**12.53**
125	132	158	80.0	38.0	11.4	25	0.513	**15.12**
140	155	188	92.0	37.0	12.7	25	0.817	**19.37**
160	175	212	92.0	38.0	14.6	25	1.026	**24.42**
180	183	212	93.0	43.0	16.4	30	1.060	**34.56**
200	232	268	114.0	40.0	18.2	32	2.180	**49.04**
225	235	268	113.0	52.0	20.5	32	2.100	**47.89**
250	285	320	130.0	58.0	22.7	35	3.560	**81.61**
280	288	320	128.0	58.0	25.4	35	3.420	**77.22**
315	335	370	136.0	65.0	28.6	35	5.000	**114.61**
355	373	430	150.0	70.0	32.2	40	6.880	**160.84**
400	427	482	155.0	69.0	36.3	46	9.040	**289.63**
450	514	585	166.0	63.0	40.9	60	16.220	**372.82**
500	530	585	175.0	70.0	45.4	60	15.760	**429.63**
560	615	685	180.0	70.0	50.8	60	22.780	**811.54**
630	642	685	175.0	86.0	57.2	60	21.840	**914.97**
710	737	800	170.0	70.0	64.5	65	29.400	**1315.12**

Eveneens leverbaar: ANSI - SDR 11, D 20-315 mm
Aussi livrable: ANSI - SDR 11, D 20-315 mm
Also delivery : ANSI - SDR 11, D 20-315 mm



QAFS

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

SDR 11 / ISO S-5

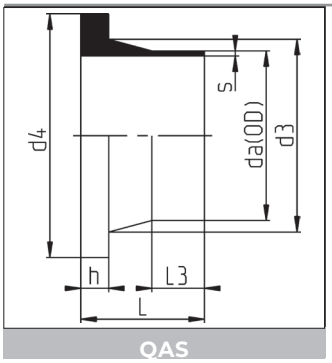
da	s	L	L3	d	d3	d4	h	Alpha°	KG/ST/PC	€/ST/PC
110	10.0	80	38	100	125	158	18	30°	0.440	**12.62**
140	12.7	92	37	125	155	188	25	30°	0.767	**19.53**
160	14.6	92	38	150	175	212	25	30°	0.980	**24.64**
180	16.4	93	43	150	183	212	30	30°	1.040	**34.78**
200	18.2	114	40	210	232	268	32	30°	1.880	**49.03**
225	20.5	113	52	210	235	268	32	30°	1.940	**47.89**
250	22.7	130	58	255	285	320	35	25°	3.060	**81.61**
280	25.4	128	58	255	288	320	35	25°	3.240	**77.81**
315	28.6	136	65	301	335	370	35	30°	4.400	**114.61**
355	32.2	150	70	338	373	430	40	30°	6.200	**162.78**
400	36.3	155	69	378	427	482	46	30°	8.400	**291.49**

VINK

agru

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

PE 100 RC



OAS

VOORLASKRAGEN
COLLETS
STUBS

Gedraaid / Fabrication mécanique / Machined

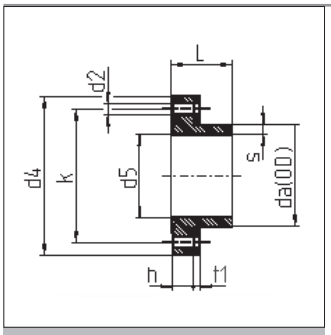
	SDR 41 / MOP 2.0 bar								SDR 33 / MOP 2.5 bar							
da	d3	d4	h	L	L3	s	KG ST/PC	€ ST/PC	d3	d4	h	L	L3	s	KG ST/PC	€ ST/PC
800	840	905	50	120	25	19.6	12	**2322.38**	840	905	50	120	25	24.5	15.6	**2322.38**
900	944	1005	55	130	25	22.0	16	**2754.08**	944	1005	55	120	25	27.6	17.0	**2754.08**
1000	1047	1110	60	140	30	24.5	21	**3629.98**	1047	1110	60	140	30	30.6	22.0	**3629.98**
1200	1245	1330	70	160	30	29.4	34	**4692.10**	1245	1330	70	160	30	36.7	36.0	**4692.10**
1400	1425	1535	80	180	40	34.3	51	**6884.24**	1425	1535	80	180	40	42.9	53.0	**6884.24**
1600	1655	1760	95	195	40	39.2	78	**8770.12**	1655	1760	95	195	40	49.0	82.0	**8770.12**
1800	1860	1960	110	210	45	44.0	108	**10672.79**	1860	1960	110	210	45	55.1	113.0	**10672.79**
2000	2070	2170	130	230	50	48.9	153	**17290.81**	2070	2170	130	230	50	61.2	161.0	**17290.81**
2250	2320	2435	150	250	50	55.0	216	**25916.06**	2320	2435	150	250	50	68.9	226.0	**25916.06**
2500	2550	2705	165	275	60	61.2	338	**39786.46**	2550	2705	165	275	60	76.5	348.0	**39786.46**

	SDR 26 / MOP 3.2 bar								SDR 17 / MOP 5.0 bar							
da	d3	d4	h	L	L3	s	KG ST/PC	€ ST/PC	d3	d4	h	L	L3	s	KG ST/PC	€ ST/PC
800	840	905	55	125	25	30.6	15.0	**2483.21**	840	905	65	140	30	47.4	26	**2997.71**
900	944	1005	60	135	25	34.4	23.8	**2754.08**	944	1005	70	150	30	53.3	25	**3345.97**
1000	1047	1110	65	145	30	38.2	25.0	**4366.71**	1047	1110	75	160	35	59.3	33	**4366.71**
1200	1245	1330	75	165	30	45.9	40.0	**5944.28**	1245	1330	90	185	35	71.1	54	**5944.28**
1400	1425	1535	85	185	40	53.5	60.0	**7239.29**	1425	1535	100	200	45	83.0	76	**7239.29**
1600	1655	1760	100	200	40	61.2	90.0	**10087.94**	1655	1760	110	210	45	94.8	109	**10087.94**
1800	1860	1960	125	225	45	68.8	133.0	**11212.81**	1860	1960	125	225	50	106.5	152	**12810.16**
2000	2070	2170	140	240	50	76.4	180.0	**17171.69**	2070	2170	140	240	50	118.5	204	**17171.69**
2250	2320	2435	155	255	50	86.0	245.0	**26519.49**	2320	2435	160	260	50	133.3	284	**26519.49**
2500	2550	2705	175	285	60	95.5	367.0	**44560.83**	2550	2705	175	285	60	148.1	406	**49908.13**

agru

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

PE 100 RC



QASS

VOORLASKRAGEN MET FLENS - DIN
COLLETS AVEC BRIDE - DIN
STUBS WITH BACKING RING - DIN

Gedraaid voorzien van verzinkte flens en EPDM O-ring.
Voor verbindingen van PE met metalen afsluiters waardoor een kleinere DN (NW) mogelijk is.

Fabrication mécanique avec bride galvanisé et le joint torique EPDM.
Pour les connexions de PE avec vannes, métallique, un plus petit DN (NW) c'est possible.

Machined with galvanized backing ring and EPDM o-ring.
For connections from PE with metal valves, making a smaller DN (NW) is possible.

SDR 11 / ISO S-5

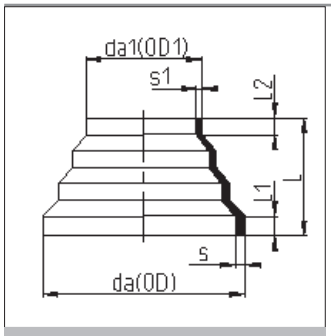
da/DN	PN geboord foré bored	s	L	d2		k	d4	h	t1	KG/ST/PC	€/ST/PC
160/125	10/16	14.6	95	18	132.3	210	250	33	10	3.4	**358.67**
180/125	10/16	16.4	100	18	148.9	210	250	38	10	3.2	**360.58**
200/150	10/16	18.2	102	22	165.4	240	285	40	10	4.4	**404.75**
250/200	16	22.7	110	22	206.9	295	340	43	15	7.2	**606.47**
250/200	10	22.7	110	22	206.9	295	340	43	15	7.6	**606.47**
315/250	16	28.6	135	26	260.7	355	405	43	20	12.0	**788.91**
315/250	10	28.6	135	22	260.7	355	395	43	20	11.0	**788.91**

VINK

agru

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

PE 100 RC



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	L	L1	L2	s	s[1]	KG/ST/PC	€/ST/PC
110	**63**	62	9	6	3.4	2.0	0.052	**12.32**
125	**75**	72	13	8	3.9	2.3	0.104	**14.10**
160	**110**	83	13	13	4.9	3.4	0.174	**44.72**
225	**160**	90	15	12	6.9	4.9	0.410	**113.05**
315	**225**	130	25	20	9.7	6.9	1.160	**130.58**
450	**315**	181	27	20	13.8	9.7	3.600	**447.22**
630	**450**	188	30	20	19.3	13.8	9.200	**552.99**

SDR 17 / ISO S-16

da	da1	L	L1	L2	s	s[1]	KG/ST/PC	€/ST/PC
75	**32**	71	10	9	4.5	2.0	0.04	**9.91**
110	**63**	62	9	6	6.6	3.8	0.10	**12.99**
125	**75**	72	13	8	7.4	4.5	0.16	**14.78**
160	**110**	83	13	13	9.5	6.6	0.30	**48.15**
225	**160**	90	15	12	13.4	9.5	0.68	**127.00**
315	**225**	130	25	20	18.7	13.4	1.92	**144.06**
450	**315**	167	27	20	26.7	18.7	5.02	**494.32**
630	**450**	188	30	20	37.4	26.7	4.50	**745.11**

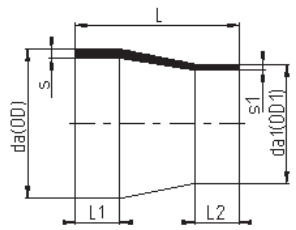
SDR 11 / ISO S-5

da	da1	L	L1	L2	s	s[1]	KG/ST/PC	€/ST/PC
63	**16**	97	10	8	5.8	1.8	0.04	**6.47**
75	**32**	71	10	9	6.8	3.0	0.06	**10.34**
110	**63**	62	9	6	10.0	5.8	0.14	**13.71**
125	**75**	72	13	8	11.4	6.8	0.23	**15.47**
160	**110**	83	13	13	14.6	10.0	0.43	**51.60**
225	**160**	90	15	12	20.5	14.6	1.02	**139.95**
315	**225**	130	25	20	28.6	20.5	2.68	**154.30**
450	**315**	181	40	20	40.9	28.6	7.82	**549.11**

agru

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

PE 100 RC



CRRS

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

SDR 17 / ISO S-8

da	da1	L	L1	L2	S	S1	KG/ST/PC	€/ST/PC
75	**63**	60.0	19	18	4.5	3.8	0.056	**9.10**
90	**63**	70.0	22	18	5.4	3.8	0.087	**10.16**
90	**75**	65.0	22	19	5.4	4.5	0.092	**10.16**
110	**63**	88.0	28	18	6.6	3.8	0.154	**12.90**
110	**75**	85.0	28	19	6.6	4.5	0.161	**12.90**
110	**90**	85.0	28	22	6.6	5.4	0.172	**12.90**
125	**63**	91.0	32	18	7.4	3.8	0.240	**16.60**
125	**75**	100.0	32	19	7.4	4.5	0.236	**16.60**
125	**90**	86.0	32	22	7.4	5.4	0.210	**16.60**
125	**110**	89.0	32	28	7.4	6.6	0.226	**16.60**
140	**75**	110.0	35	19	8.3	4.5	0.330	**20.09**
140	**90**	110.0	35	22	8.3	5.4	0.370	**20.09**
140	**110**	100.0	35	28	8.3	6.6	0.328	**20.09**
140	**125**	95.0	35	32	8.3	7.4	0.305	**23.44**
160	**90**	101.5	40	22	9.5	5.4	0.405	**23.44**
160	**110**	101.5	40	28	9.5	6.6	0.430	**23.44**
160	**125**	118.0	40	32	9.5	7.4	0.468	**23.44**
160	**140**	118.0	40	35	9.5	8.3	0.494	**23.44**
180	**90**	157.0	45	22	10.7	5.4	0.829	**36.87**
180	**110**	157.0	45	28	10.7	6.6	0.809	**34.69**
180	**125**	117.0	45	32	10.7	7.4	0.575	**31.99**
180	**140**	136.0	45	35	10.7	8.3	0.704	**30.37**
180	**160**	124.5	45	40	10.7	9.5	0.660	**29.02**
200	**140**	137.0	50	35	11.9	8.3	0.829	**83.07**
200	**160**	131.5	50	40	11.9	9.5	0.854	**73.40**
200	**180**	137.0	50	45	11.9	10.7	0.951	**65.61**
225	**140**	162.0	55	35	13.4	8.3	1.202	**99.13**
225	**160**	137.0	55	40	13.4	9.5	1.040	**85.07**
225	**180**	162.0	55	45	13.4	10.7	1.315	**85.07**
225	**200**	162.0	55	50	13.4	11.9	1.422	**85.07**
250	**160**	151.0	60	40	14.8	9.5	1.360	**113.56**
250	**180**	177.0	60	45	14.8	10.7	1.680	**105.11**
250	**200**	148.0	60	50	14.8	11.9	1.480	**96.68**
250	**225**	142.0	60	55	14.8	13.4	1.600	**91.95**
280	**200**	202.0	70	50	16.6	11.9	2.620	**126.40**
280	**225**	202.0	70	55	16.6	13.4	2.840	**117.89**
280	**250**	165.5	70	70	16.6	14.8	2.150	**114.87**
315	**200**	195.0	80	80	18.7	11.9	2.994	**161.41**
315	**225**	208.0	80	80	18.7	13.4	3.200	**142.81**
315	**250**	185.0	80	80	18.7	14.8	2.980	**130.09**
315	**280**	198.0	80	80	18.7	16.6	3.800	**121.84**

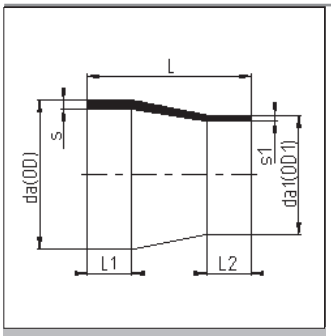
Diam. t.e.m. 630 mm op aanvraag.
Diam. jusqu'à 630 mm sur demande.
Diam up to 630 mm on request.

VINK

agru

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

PE 100 RC



CRRS

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

SDR 11 / ISO S-5

da	da1	L	L1	L2	S	S1	KG/ST/PC	€/ST/PC
25	**20**	33	14	14	3.0	3.0	0.007	**4.43**
32	**20**	40	14	14	3.0	3.0	0.009	**5.12**
32	**25**	40	14	14	3.0	3.0	0.010	**5.12**
40	**20**	42	14	14	3.7	3.0	0.013	**5.86**
40	**25**	42	14	14	3.7	3.0	0.015	**5.86**
40	**32**	39	14	14	3.7	3.0	0.018	**5.86**
50	**25**	47	14	14	4.6	3.0	0.023	**6.16**
50	**32**	41	14	14	4.6	3.0	0.022	**6.16**
50	**40**	47	14	14	4.6	3.7	0.028	**6.16**
63	**32**	57	18	14	5.8	3.0	0.040	**7.44**
63	**40**	48	18	14	5.8	3.7	0.045	**7.44**
63	**50**	57	18	14	5.8	4.6	0.053	**7.44**
75	**32**	70	19	14	6.8	3.0	0.071	**9.54**
75	**40**	70	19	14	6.8	3.7	0.060	**9.54**
75	**50**	63	19	14	6.8	4.6	0.077	**9.54**
75	**63**	59	19	18	6.8	5.8	0.077	**9.54**
90	**50**	76	22	14	8.2	4.6	0.116	**10.64**
90	**63**	68	22	18	8.2	5.8	0.113	**10.64**
90	**75**	68	22	19	8.2	6.8	0.128	**10.64**
110	**50**	90	28	14	10.0	4.6	0.225	**13.55**
110	**63**	88	28	18	10.0	5.8	0.200	**13.55**
110	**75**	85	28	19	10.0	6.8	0.207	**13.55**
110	**90**	85	28	22	10.0	8.2	0.220	**13.55**
125	**63**	100	32	18	11.4	5.8	0.293	**17.33**
125	**75**	100	32	19	11.4	6.8	0.320	**17.33**
125	**90**	89	32	22	11.4	8.2	0.304	**17.33**
125	**110**	89	32	28	11.4	10.0	0.329	**17.33**
140	**75**	110	35	19	12.7	6.8	0.459	**21.00**
140	**90**	100	35	22	12.7	8.2	0.493	**21.00**
140	**110**	100	35	28	12.7	10.0	0.440	**21.00**
140	**125**	92	35	32	12.7	11.4	0.445	**21.00**
160	**90**	108	40	22	14.6	8.2	0.552	**24.65**
160	**110**	108	40	28	14.6	10.0	0.639	**24.65**
160	**125**	114	40	32	14.6	11.4	0.686	**24.65**
160	**140**	114	40	35	14.6	12.7	0.660	**24.65**
180	**90**	157	45	22	16.4	8.2	0.960	**38.69**
180	**110**	157	45	28	16.4	10.0	1.060	**36.44**
180	**125**	120	45	32	16.4	11.4	0.820	**33.58**
180	**140**	136	45	35	16.4	12.7	1.030	**31.88**
180	**160**	123	45	40	16.4	14.6	0.960	**30.40**
200	**140**	137	50	35	18.2	12.7	1.174	**87.15**
200	**160**	134	50	40	18.2	14.6	1.240	**77.06**
200	**180**	137	50	45	18.2	16.4	1.361	**68.99**
225	**140**	162	55	35	20.5	12.8	1.860	**103.44**
225	**160**	137	55	40	20.5	14.6	1.590	**89.31**
225	**180**	162	55	45	20.5	16.4	1.880	**84.99**
225	**200**	162	55	50	20.5	18.2	2.013	**74.96**
250	**160**	160	60	45	22.7	14.6	2.000	**119.23**
250	**180**	177	60	45	22.7	16.4	2.660	**110.41**
250	**200**	144	60	50	22.7	18.2	2.120	**101.56**
250	**225**	144	60	55	22.7	20.5	2.260	**96.19**
280	**200**	188	70	50	25.4	18.2	3.740	**132.81**
280	**225**	202	70	55	25.4	20.5	3.800	**123.84**
280	**250**	165	70	80	25.4	22.7	3.200	**119.23**
315	**200**	200	80	50	28.6	18.2	4.200	**169.54**
315	**225**	209	80	55	28.6	20.5	4.560	**149.96**
315	**250**	185	80	60	28.6	22.7	4.340	**136.53**
315	**280**	198	80	70	28.6	25.4	5.660	**128.91**

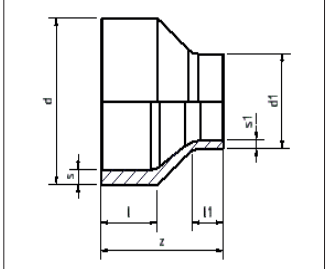
Diam. t.e.m. 630 mm op aanvraag.
Diam. jusqu'à 630 mm sur demande.
Diam up to 630 mm on request.

agru

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

PE 100

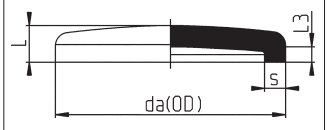
PE 100



CRRS (NO AGRU)

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

d	d1	Z	l	l1	SDR 17			SDR 11		
					s	s¹	€/ST/PC	s	s¹	€/ST/PC
355	**225**	140	57	40	21.1	13.4	**244.30**	32.2	20.5	**276.73**
355	**250**	265	95	70	21.1	14.8	**243.47**	32.2	22.7	**249.44**
355	**280**	270	95	80	21.1	16.6	**226.06**	32.2	25.4	**233.10**
355	**315**	270	95	90	21.1	18.7	**234.60**	32.2	28.6	**224.72**
400	**280**	295	105	80	23.7	16.6	**646.62**	36.3	25.4	**731.21**
400	**315**	300	105	90	23.7	18.7	**609.11**	36.3	28.6	**693.46**
400	**355**	295	105	95	23.7	21.1	**407.72**	36.3	32.2	**495.15**
450	**315**	168	56	40	26.7	18.7	**930.07**	40.9	28.6	**930.15**
450	**355**	143	52	43	26.7	21.1	**896.30**	40.9	32.2	**896.39**
450	**400**	143	60	57	26.7	23.7	**521.12**	41.0	36.4	**663.82**
500	**355**	161	57	38	29.7	21.1	**889.83**	45.4	32.2	**913.07**
500	**400**	160	57	58	29.7	23.7	**767.84**	45.4	36.3	**848.76**
500	**450**	120	60	40	29.7	26.7	**810.31**	45.5	41.0	**923.72**
560	**400**	196	72	37	33.2	23.7	**1063.15**	50.8	36.6	**1154.62**
560	**450**	196	79	60	33.2	26.7	**869.21**	50.8	40.9	**945.88**
560	**500**	177	77	75	33.2	29.7	**763.11**	50.8	45.5	**830.26**
630	**450**	200	60	40	37.4	26.7	**1179.80**	57.2	40.9	**1267.63**
630	**500**	150	67	40	37.4	29.7	**1157.28**	57.3	45.5	**1228.18**
630	**560**	130	64	40	37.4	33.2	**959.48**	57.3	51.0	**1007.39**
710	**560**	195	67	49	42.1	33.2	**1401.88**			
710	**630**	144	60	46	42.1	37.4	**1140.31**			
800	**710**	167	68	52	47.4	42.1	**1484.20**			
900	**800**	156	68	43	53.3	47.4	**1667.03**			
1000	**900**	190	67	75	59.3	53.3	**2265.61**			



CAS

EINDKAP
BOUCHON
END CAPS

Gespoten
Injectés
Moulded

SDR 11 / ISO S-5

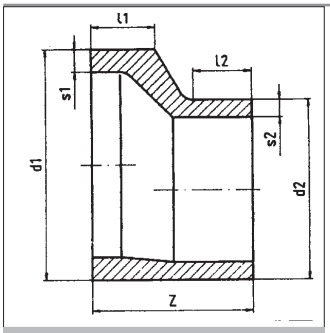
da	L3	L	s	KG/ST/PC	€/ST/PC
355	63	124	32.2	6.40	**283.64**
400	72	132	36.3	8.72	**388.86**
450	64	140	40.9	11.55	**539.80**
500	65	160	45.4	14.80	**677.04**

VINK

agru

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

PE 100



ERRS

EXCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS EXCENTRIQUES
EXCENTRIC REDUCERS

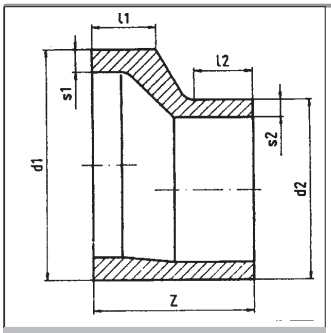
d1	d2	SDR 17			SDR 11		
		s1	s2	z	s1	s2	z
160	**90**	9.1	5.1	150	14.6	8.2	150
160	**110**	9.1	6.3	130	14.6	10.0	135
160	**125**	9.1	7.1	120	14.6	11.4	120
160	**140**	9.1	8.0	105	14.6	12.8	105
180	**110**	10.2	6.3	150	16.4	10.0	150
180	**125**	10.2	7.1	140	16.4	11.4	140
180	**140**	10.2	8.0	125	16.4	12.8	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

agru

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

PE 100



ERRS

EXCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS EXCENTRIQUES
EXCENTRIC REDUCERS

d1	d2	SDR 33			SDR 17			SDR 11		
		s1	s2	Z	s1	s2	Z	s1	s2	Z
630	**450**	19.6	14.0	260	35.7	25.5	260	57.3	41.0	270
630	**500**	19.6	15.5	210	35.7	28.3	220	57.3	45.5	230
630	**560**	19.6	17.4	160	35.7	31.7	170	57.3	51.0	180
710	**560**	22.1	17.4	230	40.2	31.7	240			
710	**630**	22.1	19.6	170	40.2	35.7	180			
800	**630**	24.9	19.6	250	45.3	35.7	270			
800	**710**	24.9	22.1	180	45.3	40.2	190			
900	**710**	28.0	22.1	270	51.0	40.2	280			
900	**800**	28.0	24.9	190	51.0	45.3	210			
1000	**800**	31.1	24.9	290	56.6	45.3	300			
1000	**900**	31.1	28.0	190	56.6	51.0	220			
1200	**1000**	37.3	31.1	290						

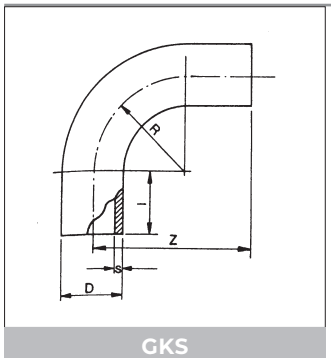
prijzen op aanvraag / prix sur demande / prices on request

VINK

agru

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

PE 100



GKS

BOCHTEN 90° R=1.5D
COURBES A 90° R=1.5D
BENDS 90° R=1.5D

Uit buis naadloos gedrukt, ook op 60°, 45°, 30°, 22°, 11°
Andere radius 2.5D, 3D, 3.5D, R_i = 700 mm, R_i = 1100 mm

Réalisées à partir de tuyaux, aussi à 60°, 45°, 30°, 22°, 11°
Autres rayons 2.5D, 3D, 3.5D, R_i = 700 mm, R_i = 1100 mm

Pressed out of pipe, also in 60°, 45°, 30°, 22°, 11°
Other radius 2.5D, 3D, 3.5D, R_i = 700 mm, R_i = 1100 mm

D	R	Z	I
50	75	200	100
63	95	220	100
75	113	260	100
90	135	300	150
110	165	380	150
125	188	400	150
140	210	440	150
160	240	480	150
180	270	530	150
200	300	560	150
225	338	590	150
250	375	730	250
280	420	750	250
315	496	900	300
355	560	1000	300
400	637	1050	300
450	711	1150	300
500	783	1300	350
560	877	1350	350
630	955	1600	350
710	1128	1900	350
800	1274	2000	350
900	1430	2200	400

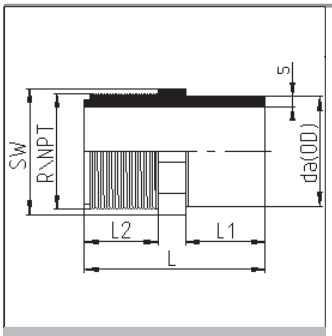
prijzen op aanvraag / prix sur demande / prices on request

Tolerantie / tolerance : +/- 5°

agru

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

PE 100 RC



NAFS

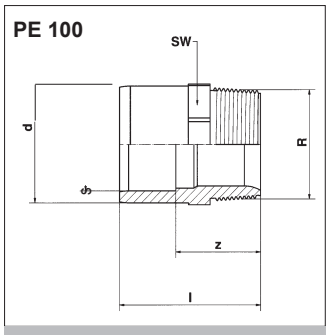
OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

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

Injectés, S-5/SDR 11. Un côté mâle (à filetage BSP).
Uniquement pour des connection matières synthétiques.
NPT sur demande.

Moulded, S-5/SDR 11. One end male threaded (thread BSP).
Only for plastic threaded connections.
NPT on request.

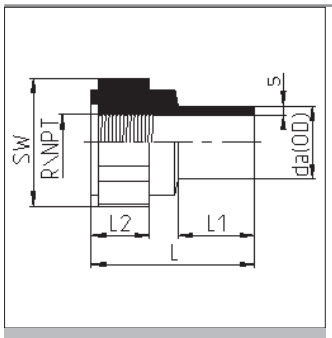
da	s	L	L1	L2	SW	R	K	E	KG/ST/PC	€/ST/PC
20	2.0	46	20.5	18.0	22	1/2"	18.63	20.96	0.007	**5.30**
25	2.3	51	22.5	20.0	27	3/4"	24.12	26.44	0.010	**6.33**
32	3.0	61	29.0	24.0	36	1 "	30.29	33.25	0.020	**7.99**
40	3.7	66	29.0	26.5	46	1 1/4"	38.95	41.91	0.035	**9.64**
50	4.6	74	33.0	29.0	55	1 1/2"	44.85	47.80	0.059	**15.82**
63	5.8	80	35.0	32.5	65	2 "	56.66	59.61	0.090	**19.97**



NAFS (NO AGRU)

Niet / non / no AGRU: max. 8 bar

da	s	l	z	SW	R	KG/ST/PC	€/ST/PC
25	2.3	45	29	26	1/2"	0.01	**12.06**
32	3.0	47	31	34	3/4"	0.02	**14.65**
40	3.7	58	36	44	1 "	0.04	**18.34**
50	4.6	63	43	49	1 1/4"	0.06	**20.60**
63	5.8	72	52	65	1 1/2"	0.09	**34.95**



MAFS

OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS

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

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

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

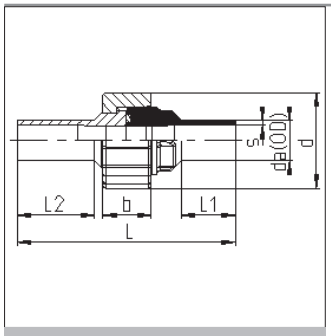
da	s	L	L1	L2	SW	R	K	E	KG/ST/PC	€/ST/PC
20	2.0	45	21	16.0	32	1/2"	18.63	20.96	0.014	**6.75**
25	2.3	51	24	18.0	41	3/4"	24.12	26.44	0.026	**7.63**
32	3.0	58	30	20.0	46	1 "	30.29	33.25	0.034	**10.00**
40	3.7	62	30	24.0	55	1 1/4"	38.95	41.91	0.054	**11.46**
50	4.6	68	34	25.5	70	1 1/2"	44.85	47.80	0.097	**18.03**
63	5.8	75	36	30.0	85	2 "	56.66	59.61	0.160	**22.58**

VINK

agru

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

PE 100 RC



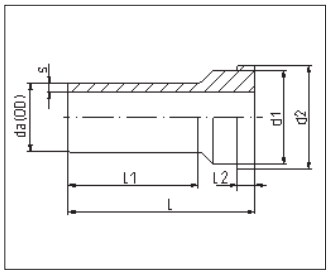
BAS

DRIEDELIGE KOPPELINGEN
RACCORDS UNION
UNION SOCKETS

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

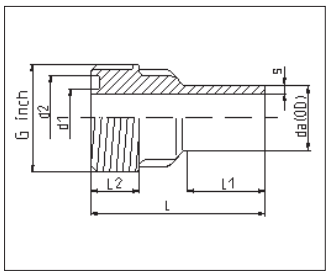
SDR 11 / ISO S-5

da	s	L	L1	L2	d	b	KG/ST/PC	€/ST/PC
20	2.0	108	24.0	38	47	24	0.049	**19.58**
25	2.3	114	24.0	39	57	26	0.075	**21.31**
32	3.0	122	25.0	39	64	30	0.106	**25.63**
40	3.7	128	25.0	42	78	31	0.178	**36.20**
50	4.6	134	25.0	44	89	35	0.243	**51.20**
63	5.8	138	25.0	44	109	39	0.390	**69.70**
75	6.8	132	28.0	37	130	40	0.655	**88.80**
90	8.2	133	35.5	57	130	40	0.670	**91.82**



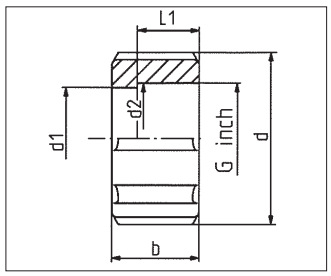
Inlegdeel / piece d'insertion / union end
SDR 11 / ISO S-5

da	s	L	L1	L2	d1	d2	KG/ST/PC	€/ST/PC
20	2.0	54.0	38	5.0	27.3	29.9	0.011	**8.97**
25	2.3	57.0	39	5.0	35.7	38.6	0.018	**9.51**
32	3.0	60.0	40	5.0	41.3	44.5	0.027	**11.92**
40	3.7	65.0	42	6.0	52.6	56.3	0.046	**12.33**
50	4.6	67.0	44	7.0	58.6	62.4	0.061	**13.94**
63	5.8	69.0	44	7.5	73.6	78.0	0.103	**22.52**
75	6.8	66.0	37	9.0	90.0	101.0	0.101	**22.52**
90	8.2	66.5	57	9.0	90.0	101.0	0.101	**23.09**



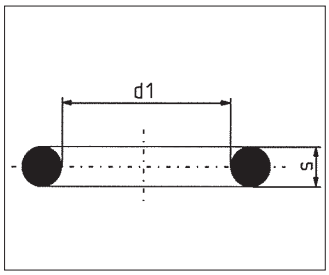
Inschroefdeel / piece à visser / union bush
SDR 11 / ISO S-5

da	s	L	L1	L2	d1	d2	G/inch	KG/ST/PC	€/ST/PC
20	2.0	54.0	26.5	15	17.9	26.3	1"	0.016	**9.99**
25	2.3	57.0	24.0	16	25.8	34.2	1 1/4"	0.025	**11.61**
32	3.0	60.0	26.0	17	30.4	39.3	1 1/2"	0.033	**15.05**
40	3.7	63.0	25.0	19	37.9	50.3	2"	0.060	**16.58**
50	4.6	66.0	25.0	22	44.3	56.7	2 1/4"	0.072	**24.15**
63	5.8	69.0	25.0	24	57.1	69.4	2 3/4"	0.124	**30.03**
75	6.8	66.0	28.0	22	70.6	81.6	S107.5 x 3.6	0.131	**31.50**
90	8.2	66.5	35.5	22	83.0	94.0	S107.5 x 3.6	0.189	**33.18**



Moer / écrou / nut - PP/FRP

da	L1	d	d1	d2	b	G/inch	KG/ST/PC	€/ST/PC
20	17.0	47	27.7	30.3	24.0	1"	0.021	**5.49**
25	18.5	57	36.1	39.0	26.0	1 1/4"	0.030	**5.50**
32	20.0	64	41.7	44.9	30.0	1 1/2"	0.044	**5.09**
40	22.5	78	53.2	56.7	31.0	2"	0.065	**16.26**
50	25.0	89	59.2	62.8	35.5	2 1/4"	0.094	**25.93**
63	27.0	109	74.2	78.5	39.0	2 3/4"	0.160	**34.53**
75/90	31.0	130	90.7	102.1	40.0	S107.5 x 3.6	0.310	**55.83**

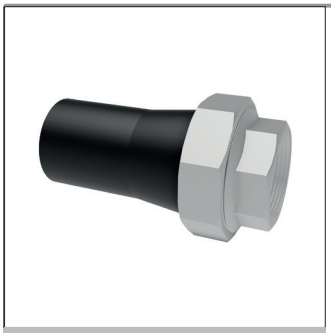


O-ring / joint O / O-ring - FPM

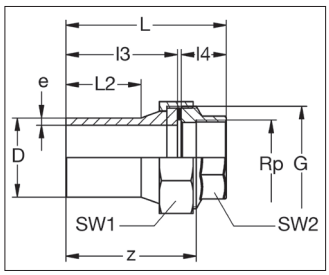
da	s	d1	KG/ST/PC	€/ST/PC
20	3.53	20.22	0.005	**1.23**
25	3.53	28.17	0.005	**1.55**
32	3.53	32.92	0.002	**1.97**
40	5.33	40.64	0.010	**3.46**
50	5.33	47.00	0.007	**4.69**
63	5.33	59.70	0.009	**5.84**
75	5.30	69.20	0.008	**6.33**
90	5.30	81.90	0.013	**6.94**

overgangsfittings
raccords d'adaptation
adaptor fittings

PE 100



BASMX

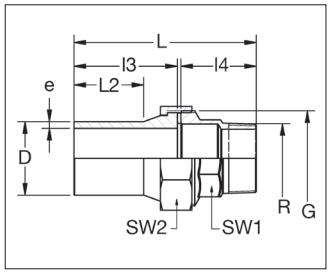


DRIEDELIGE KOPPELINGEN PE STOMPLAS EN RVS BINNENDRAAD
RACCORDS UNION PE BOUT A BOUT ET FILLETAGE FEMELLE INOX
UNION SOCKET PE BUTT WELD AND STAINLESS STEEL FEMALE THREADED

PE100 / V2A / EPDM
SDR 11

D x RP	e	G/inch BSP	L1	L2	l1	l2	z	SW1	SW2	KG ST/PC	€ ST/PC
25 x 3/4"	2.3	1 1/4"	82	36	56	23	67	47	31	0.23	**23.59**
32 x 1"	3.0	1 1/2"	94	42	65	26	77	53	38	0.28	**27.58**
40 x 1 1/4"	3.7	2"	102	45	71	28	83	66	47	0.45	**38.20**
50 x 1 1/2"	4.6	2 1/4"	113	52	81	29	94	72	53	0.61	**46.85**
63 x 2"	5.8	2 3/4"	126	57	89	34	102	89	66	1.07	**57.94**
75 x 2 1/2"	6.8	3 1/2"	179	71	130	46	152	109	82	1.67	**106.54**
90 x 3"	8.2	4"	205	76	150	52	175	123	96	2.29	**135.88**
110 x 4"	10.0	5"	233	88	170	60	197	150	124	3.56	**180.17**

BASNX



DRIEDELIGE KOPPELINGEN PE STOMPLAS EN RVS BUITENDRAAD
RACCORDS UNION PE BOUT A BOUT ET FILLETAGE MALE INOX
UNION SOCKET PE BUTT WELD AND STAINLESS STEEL MALE THREADED

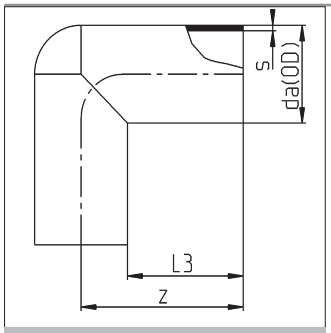
PE100 / V2A / EPDM
SDR 11

D x RP	e	G/inch BSP	L1	L2	l1	l2	SW1	SW2	KG ST/PC	€ ST/PC
25 x 3/4"	2.3	1 1/4"	109	36	56	50	47	31	0.26	**24.63**
32 x 1"	3.0	1 1/2"	122	42	65	54	53	38	0.38	**28.20**
40 x 1 1/4"	3.7	2"	128	45	71	54	66	47	0.59	**38.93**
50 x 1 1/2"	4.6	2 1/4"	146	52	81	62	72	53	0.77	**51.70**
63 x 2"	5.8	2 3/4"	161	57	89	69	89	66	1.19	**68.07**
75 x 2 1/2"	6.8	3 1/2"	152	71	130	78	109	82	2.02	**112.36**
90 x 3"	8.2	4"	240	76	150	87	123	96	2.61	**143.36**
110 x 4"	10.0	5"	273	88	170	100	150	124	4.44	**197.38**

agru

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

PE 100 RC



AGAS

KNIEEN 90°
COUDES A 90°
ELBOWS 90°

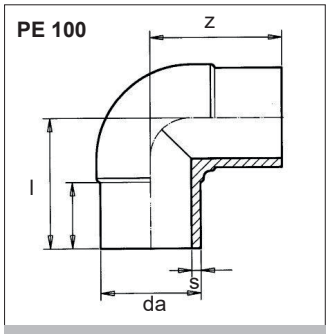
Met verlengde benen, gespoten.
Ook geschikt voor electromoflas.

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

Elongated, moulded.
Also suitable for electro socket welding.

SDR 7.4 / ISO S-3.2

da	L3	z	s	KG/ST/PC	€/ST/PC
63	76.0	109.0	8.6	0.309	**20.92**
75	84.5	124.5	10.3	0.504	**26.01**
90	82.5	126.0	12.3	0.752	**32.57**
110	88.0	145.5	15.1	1.221	**62.41**
125	101.0	165.0	17.1	1.794	**77.11**
160	101.0	180.0	21.9	3.260	**116.59**
200	114.5	214.0	27.4	5.900	**174.39**



AGAS (NO AGRU)

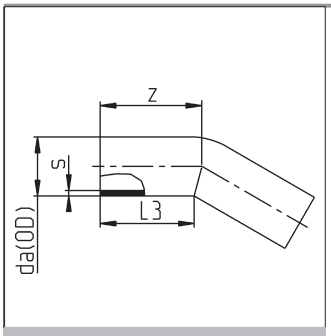
Niet / non / no AGRU

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	l	z	s	KG/ST/PC	€/ST/PC	l	z	s	KG/ST/PC	€/ST/PC
355	170	410	21.1	22.70	**939.61**	170	410	32.2	30.20	**1178.68**
400	187	469	23.7	30.70	**1216.13**	187	469	36.3	41.70	**1534.73**
450	202	522	26.7	43.40	**1683.68**	202	522	40.9	58.90	**2007.91**
500	222	562	29.7	60.10	**2763.21**	222	562	45.4	79.50	**2897.58**

Kleinere diameters: zie SAS
Diamètres plus petits: voir SAS
Smaller diameters: see SAS

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

PE 100

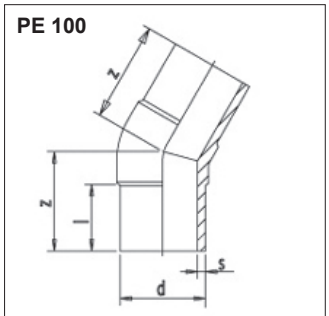


AIAS

BOCHTEN 30°
COURBES A 30°
BENDS 30°

Met verlengde benen, gespoten 200 mm.
Courbes injectées à branches allongées 200mm.
Elongated, moulded 200 mm.

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	L3	z	s	KG/ST/PC	€/ST/PC	L3	z	s	KG/ST/PC	€/ST/PC
90	192	208.5	5.4	0.616	**43.79**	192	208.5	8.2	0.880	**49.22**
110	195	216.5	6.6	1.086	**56.74**	195	216.5	10.0	1.456	**61.76**
160	206	230.0	9.5	2.380	**117.44**	206	230.0	14.6	3.260	**131.05**



AIAS (NO AGRU)

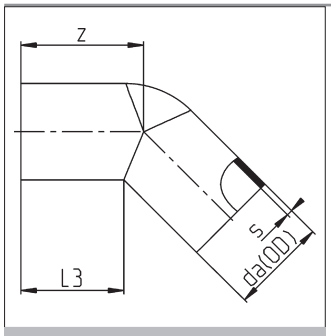
Niet / non / no AGRU

da	SDR 17 / ISO S-8				SDR 11 / ISO S-5			
	l	z	s	€/ST/PC	l	z	s	€/ST/PC
75	77	108	4.5	**49.05**	77	108	6.9	**54.43**
125	102	143	7.4	**80.00**	102	143	11.4	**95.23**
140	110	148	8.3	**98.19**	110	148	12.7	**116.91**
180	116	160	10.7	**163.15**	116	160	16.4	**176.40**
200	122	170	11.9	**222.36**	122	170	18.2	**241.13**
225	129	185	13.4	**265.80**	129	185	20.5	**279.38**
250	144	215	14.8	**446.34**	144	215	22.7	**546.14**
280	155	229	16.6	**558.65**	155	230	25.4	**743.78**
315	163	250	18.7	**731.88**	163	250	28.6	**973.00**

agru

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

PE 100 RC



AHAS

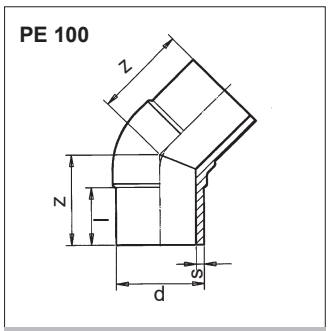
KNIEEN 45°
COUDES A 45°
ELBOWS 45°

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	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	L3	z	s	KG/ST/PC	€/ST/PC	L3	z	s	KG/ST/PC	€/ST/PC
20						39.0	44.0	3.0	0.015	**4.61**
25						42.0	48.0	3.0	0.020	**4.94**
32						49.0	57.0	3.0	0.035	**5.96**
40						53.0	63.0	3.7	0.057	**7.44**
50						57.0	66.5	4.6	0.094	**8.48**
63	64.5	80.0	3.8	0.118	**13.93**	65.5	80.0	5.8	0.172	**15.46**
75	71.0	90.0	4.5	0.187	**17.22**	70.0	90.0	6.8	0.274	**19.22**
90	80.0	101.0	5.4	0.295	**21.71**	82.0	104.0	8.2	0.440	**24.08**
110	83.0	108.0	6.6	0.494	**41.57**	82.0	108.0	10.0	0.679	**46.15**
125	99.5	130.5	7.4	0.718	**51.25**	99.5	126.0	11.4	1.060	**57.03**
140	99.0	129.0	8.3	0.880	**67.16**	100.0	135.0	12.7	1.400	**74.62**
160	114.0	149.0	9.5	1.340	**77.73**	116.5	150.0	14.6	2.060	**86.23**
180	133.5	174.0	10.7	2.060	**84.87**	118.0	160.0	16.4	2.860	**94.39**
200	129.0	177.0	11.9	2.240	**116.10**	122.0	167.0	18.2	3.580	**128.99**
225	128.0	175.5	13.4	3.160	**138.49**	125.5	173.5	20.5	4.760	**153.76**
250	158.0	217.0	14.8	4.820	**267.99**	158.0	217.0	22.7	7.160	**297.78**
280	174.0	236.0	16.6	6.580	**404.68**	168.0	238.0	25.4	9.620	**449.66**
315	177.0	251.0	18.7	9.000	**503.62**	176.0	248.0	28.6	12.900	**562.59**



AHAS (NO AGRU)

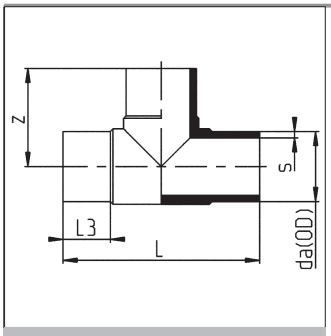
Niet / non / no AGRU

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	l	z	s	KG/ST/PC	€/ST/PC	l	z	s	KG/ST/PC	€/ST/PC
355	170.0	310.0	21.1	17.3	**850.09**	170.0	310.0	32.2	23.50	**1004.47**
400	187.0	346.0	23.7	23.0	**1266.33**	187.0	346.0	36.6	30.00	**1524.72**
450	202.0	375.0	26.7	33.0	**1692.22**	202.0	375.0	40.9	44.00	**1980.67**
500	222.0	410.0	29.7	42.8	**2383.67**	222.0	410.0	45.4	57.00	**2562.44**

agru

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

PE 100 RC



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 17 / ISO S-8

da	L3	L	z	s	KG/ST/PC	€/ST/PC
63	63.0	222	113.0	3.8	0.285	**12.92**
75	70.0	258	131.0	4.5	0.478	**20.98**
90	79.0	280	140.0	5.4	0.696	**30.19**
110	84.0	313	156.0	6.6	1.154	**44.29**
125	90.0	350	174.0	7.4	1.680	**60.78**
140	95.0	380	190.0	8.3	2.120	**97.66**
160	98.0	401	204.5	9.5	3.000	**126.80**
180	134.0	521	260.0	10.7	5.220	**166.35**
200	112.0	492	246.0	11.9	6.000	**238.45**
225	120.0	540	270.0	13.4	8.120	**283.15**
250	146.0	624	314.0	14.8	11.560	**361.82**
280	158.0	694	347.0	16.6	15.960	**548.41**
315	166.0	750	375.0	18.7	21.140	**702.17**
355	188.0	880	440.0	21.1	32.300	**1082.87**
400	200.0	940	470.0	23.7	41.280	**1557.83**
600	-	-	-	-	-	**8544.11**

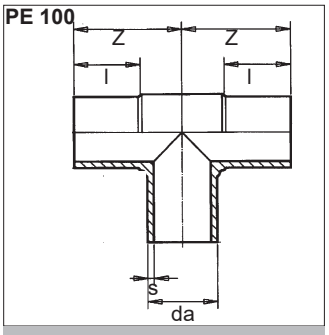
SDR 11 / ISO S-5

da	L3	L	z	s	KG/ST/PC	€/ST/PC
20	34.5	107	54.5	3.0	0.029	**4.61**
25	39.0	117	59.0	3.0	0.042	**5.28**
32	44.0	144	71.0	3.0	0.067	**6.30**
40	50.0	165	84.0	3.7	0.117	**7.81**
50	56.0	189	95.0	4.6	0.199	**10.34**
63	64.0	226	114.0	5.8	0.350	**14.25**
75	70.0	260	128.0	6.8	0.639	**23.64**
90	79.0	286	143.0	8.2	0.966	**33.63**
110	85.0	317	158.0	10.0	1.547	**49.22**
125	91.0	356	177.0	11.4	2.210	**67.55**
140	96.5	380	190.0	12.7	2.880	**108.55**
160	99.0	405	202.5	14.6	4.100	**140.88**
180	136.0	521	260.0	16.4	6.900	**184.82**
200	112.0	490	245.0	18.2	7.920	**264.84**
225	124.0	548	271.0	20.5	10.850	**314.68**
250	147.0	620	310.0	22.7	15.060	**406.32**
280	158.0	694	347.0	25.4	20.860	**609.26**
315	168.0	752	375.0	28.6	28.460	**780.24**
355	188.0	874	437.0	32.2	42.680	**1443.83**
400	198.0	940	470.0	36.3	56.460	**2077.11**
630	266.0	1.332	665.0	57.2	193.000	**8544.11**

SDR 7.4 / ISO S-3.2

da	L3	L	z	s	KG/ST/PC	€/ST/PC
63	63.0	219	111.0	8.6	0.489	**21.39**
90	79.0	284	141.0	12.3	1.276	**50.42**
110	82.0	315	158.0	15.1	2.080	**73.83**
125	89.5	342	171.5	17.1	2.873	**101.32**
160	99.0	405	203.0	21.9	5.480	**211.28**
200	115.0	495	247.0	27.4	11.100	**397.21**
225	120.0	542	268.5	30.8	14.700	**471.98**

* op aanvraag / sur demande / on request



ATAS (NO AGRU)

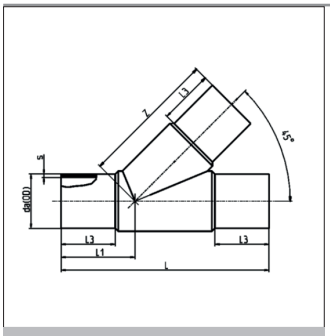
Niet / non / no AGRU

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	l	z	s	KG/ST/PC	€/ST/PC	l	z	s	KG/ST/PC	€/ST/PC
450	202	476	26.7	51.40	**1825.23**	202	476	40.9	70.20	**2559.25**
500	225	525	29.7	64.90	**2524.72**	225	525	45.4	90.30	**3343.10**

VINK

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

PE 100



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

d	s	z	l	l1	l3	€/ST/PC
***40**	2.4	75.0	189	65	45	**37.82**
***50**	3.0	90.0	222	78	55	**79.69**
63	3.8	170.0	245	93	63	**31.78**
75	4.5	191.0	290	103	75	**51.69**
90	5.4	230.0	354	122	82	**76.63**
110	6.6	248.0	380	131	84	**109.17**
125	7.4	297.5	440	140	93	**149.79**
140	8.3	315.5	464	150	94	**240.67**
160	9.5	360.0	521	166	98	**312.48**
180	10.7	380.0	557	179	105	**409.95**
200	11.9	407.0	598	191	113	**587.08**
225	13.4	464.0	670	206	120	**697.80**
***250**	14.8	397.0	792	252	143	**2239.03**
***280**	16.6	440.0	852	266	146	**3108.16**
***315**	18.7	494.0	965	303	165	**3920.19**

* No Agru

SDR 11 / ISO S-5

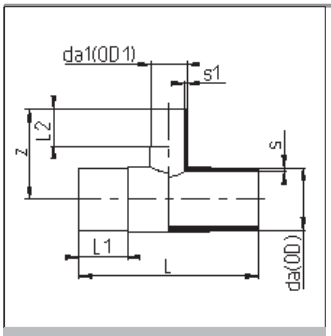
d	s	z	l	l1	l3	€/ST/PC
32	3.0	131.0	195	65	45	**15.51**
40	3.7	147.0	208	72	50	**19.24**
50	4.6	144.0	224	81	56	**25.46**
63	5.8	173.0	262	93	64	**35.10**
75	6.8	191.0	294	103	71	**58.25**
90	8.2	230.0	351	122	82	**82.85**
110	10.0	253.0	382	131	84	**121.29**
125	11.4	299.0	431	140	92	**166.49**
140	12.7	315.5	464	150	94	**267.53**
160	14.6	362.0	526	166	100	**347.15**
180	16.4	385.0	562	179	107	**455.53**
200	18.2	416.0	605	191	114	**652.65**
225	20.5	474.0	673	206	122	**775.55**
***250**	22.7	397.0	792	252	143	**2883.84**
***280**	25.4	440.0	852	266	146	**3502.85**
***315**	28.6	497.0	965	303	165	**4652.04**

* No Agru

agru

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

PE 100 RC



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	L	L1	L2	z	s	s1	KG/ST/PC	€/ST/PC
63/ 50	213	60.0	56.0	100.0	3.8	3.0	0.227	**13.74**
75/ 50	260	72.5	56.0	111.0	4.5	3.0	0.400	**20.85**
75/ 63	255	70.0	63.0	117.0	4.5	3.8	0.442	**23.75**
90/ 63	264	79.0	66.0	137.0	5.4	3.8	0.577	**29.63**
90/ 75	272	73.0	68.0	138.0	5.4	4.5	0.594	**29.91**
110/ 63	305	86.5	65.0	156.5	6.6	3.8	0.973	**43.96**
110/ 75	307	83.0	68.0	152.0	6.6	4.5	0.880	**43.96**
110/ 90	312	84.0	79.0	155.0	6.6	5.4	0.939	**45.02**
125/ 63	350	110.0	70.0	170.0	7.4	3.8	1.420	**61.07**
125/ 90	348	109.0	83.5	170.0	7.4	5.4	1.360	**61.07**
125/110	340	90.0	83.0	167.0	7.4	6.6	1.385	**61.07**
160/ 63	340	97.0	67.0	172.5	9.5	3.8	1.960	**120.99**
160/ 75	344	101.0	76.0	179.0	9.5	4.5	1.920	**124.71**
160/ 90	343	100.0	80.0	177.0	9.5	5.4	2.000	**124.71**
160/110	394	100.0	86.0	200.0	9.5	6.6	2.480	**125.88**
180/ 90	420	136.0	97.0	200.0	10.7	5.4	3.200	**168.24**
180/160	412	105.0	94.0	204.0	10.7	9.5	3.480	**168.24**
200/ 63	550	134.0	80.0	225.0	11.9	3.8	5.220	**226.09**
200/ 90	550	134.0	95.0	225.0	11.9	5.4	5.220	**226.09**
200/110	550	134.0	103.0	240.0	11.9	6.6	5.360	**226.09**
200/125	550	134.0	110.0	245.0	11.9	7.4	5.400	**226.09**
200/160	550	134.0	114.0	270.0	11.9	9.5	6.440	**226.09**
225/ 75	440	120.0	75.0	226.0	13.4	4.5	4.980	**283.94**
225/ 90	440	120.0	79.0	224.0	13.4	5.4	5.100	**283.94**
225/110	445	120.0	85.0	226.0	13.4	6.6	5.000	**284.86**
225/160	486	120.0	98.0	246.0	13.4	9.5	6.240	**285.68**
225/180	554	132.0	135.0	280.0	13.4	10.7	7.360	**286.16**
250/110	625	148.0	86.0	245.0	14.8	6.6	9.980	**478.44**
250/160	625	148.0	100.0	270.0	14.8	9.5	10.420	**478.44**
250/200	625	148.0	116.0	290.0	14.8	11.9	11.060	**478.44**
315/ 90	545	170.0	90.0	290.0	18.7	5.4	11.800	**789.60**
315/110	546	170.0	100.0	290.0	18.7	6.6	11.760	**789.60**
315/160	575	168.0	120.0	310.0	18.7	9.5	12.800	**789.60**
315/200	640	168.0	129.5	331.0	18.7	11.9	14.780	**825.49**
315/225	638	168.0	145.0	335.0	18.7	13.4	15.740	**825.49**
315/250	670	170.0	150.0	333.0	18.7	14.8	16.600	**825.49**
355/160	874	188.0	103.0	325.0	21.1	9.5	26.614	*
355/225	874	188.0	125.0	350.0	21.1	13.4	27.112	*
355/250	874	188.0	134.0	360.0	21.1	14.8	27.429	*
400/110	940	198.0	87.0	330.0	23.7	6.6	34.966	*
400/160	940	198.0	103.0	350.0	23.7	9.5	35.099	*
400/200	940	198.0	117.0	365.0	23.7	11.9	35.326	*
400/225	940	198.0	125.0	375.0	23.7	13.4	35.561	*
400/315	940	198.0	155.0	415.0	23.7	18.7	37.237	*

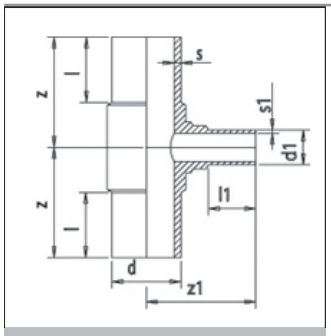
*** op aanvraag / sur demande / on request**

VINK

agru

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

PE 100



ATRAS (NO AGRU)

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

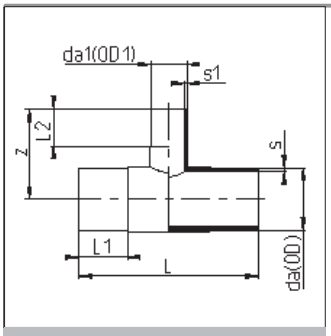
d-d1	s	S1red.	l	z	l1	Z1	€/ST/PC
140/ 63	8.3	*5.8	105	193	77	160	**126.34**
140/ 75	8.3	4.5	105	193	78	173	**126.34**
140/ 90	8.3	5.4	105	194	87	182	**126.34**
140/110	8.3	6.6	105	194	95	188	**131.37**
180/125	10.7	7.4	116	215	100	215	**253.20**
180/140	10.7	8.3	116	230	104	220	**221.11**
200/ 75	11.9	4.5	127	255	76	200	**353.91**
225/ 63	13.4	*5.8	130	270	69	241	**373.89**
225/125	13.4	7.4	120	261	93	266	**374.95**
225/140	13.4	8.3	130	270	104	276	**375.33**

* SDR 11

agru

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

PE 100 RC



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/da1	s	Z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
63/ 25	5.8	85.0	170	65.0	43.0	2.3	0.210	**14.89**
63/ 32	5.8	100.0	216	60.0	50.0	3.0	0.300	**14.89**
63/ 50	5.8	102.5	216	60.0	56.0	4.6	0.318	**14.89**
75/ 32	6.8	106.0	258	70.0	46.0	3.0	0.508	**23.28**
75/ 50	6.8	110.0	257	70.0	56.0	4.6	0.541	**23.28**
75/ 63	6.8	117.0	252	70.0	63.0	5.8	0.552	**23.75**
90/ 63	8.2	136.0	266	79.0	64.0	5.8	0.760	**33.17**
90/ 75	8.2	138.0	272	73.0	68.0	6.8	0.821	**33.42**
110/ 63	10.0	155.0	305	85.0	65.0	5.8	1.240	**49.18**
110/ 75	10.0	149.0	305	83.0	68.0	6.8	1.220	**49.18**
110/ 90	10.0	155.0	310	84.0	79.0	8.2	1.300	**49.89**
125/ 75	11.4	170.0	350	110.0	75.0	6.8	1.820	**68.42**
125/ 90	11.4	168.0	332	109.0	89.0	8.2	1.700	**68.42**
125/110	11.4	167.0	340	90.0	83.0	10.0	1.920	**68.42**
160/ 63	14.6	172.0	340	99.5	66.0	5.8	2.620	**134.50**
160/ 75	14.6	179.0	344	101.0	76.0	6.8	2.680	**135.62**
160/ 90	14.6	177.0	343	101.0	80.0	8.2	2.700	**135.62**
160/110	14.6	196.0	392	98.0	84.5	10.0	3.260	**139.03**
180/ 90	16.4	200.0	420	136.0	97.0	8.2	4.420	**186.44**
180/110	16.4	220.0	455	145.0	101.0	10.0	4.720	**186.44**
180/160	16.4	204.0	412	105.0	94.0	14.6	4.700	**186.43**
200/ 63	18.2	226.0	553	134.0	82.0	5.8	7.140	**250.82**
200/ 90	18.2	229.0	550	134.5	96.0	8.2	7.160	**250.82**
200/110	18.2	242.0	550	134.0	103.0	10.0	7.340	**250.82**
200/125	18.2	245.0	550	134.0	110.0	11.4	7.340	**250.82**
200/160	18.2	270.0	550	134.0	114.0	14.6	8.600	**250.82**
225/ 75	20.5	226.0	440	120.0	75.0	6.8	6.820	**315.16**
225/ 90	20.5	224.0	442	120.0	79.0	8.2	6.860	**315.16**
225/110	20.5	226.0	448	120.0	85.0	10.0	6.900	**316.41**
225/160	20.5	246.0	486	120.0	98.0	14.6	8.460	**317.54**
225/180	20.5	274.0	546	132.0	135.0	16.4	10.040	**318.65**
250/ 50	22.7	230.0	630	148.0	71.0	4.6	13.100	**528.61**
250/ 75	22.7	245.0	630	148.0	86.0	6.8	13.120	**528.61**
250/110	22.7	245.0	630	148.0	86.0	10.0	12.960	**528.61**
250/160	22.7	270.0	625	148.0	100.0	14.6	13.740	**528.61**
250/180	22.7	268.0	625	148.0	110.0	16.4	13.400	**528.61**
250/200	22.7	294.0	625	148.0	116.0	18.2	14.540	**528.61**
315/ 90	28.6	290.0	545	170.0	90.0	8.2	16.020	**858.26**
315/110	28.6	290.0	546	170.0	100.0	10.0	15.900	**858.26**
315/125	28.6	302.0	575	170.0	102.5	11.4	17.440	**858.26**
315/160	28.6	310.0	575	170.0	120.0	14.6	17.520	**858.26**
315/180	28.6	308.0	640	170.0	108.0	16.4	20.800	**897.27**
315/200	28.6	326.0	640	170.0	126.0	18.2	21.000	**897.27**
315/225	28.6	335.0	638	170.0	145.0	20.5	20.000	**897.27**
315/250	28.6	333.0	670	170.0	150.0	22.7	22.840	**897.27**
355/160	32.2	325.0	874	188.0	103.0	14.6	35.663	*
355/225	32.2	350.0	874	188.0	125.0	20.5	36.498	*
355/250	32.2	360.0	874	188.0	134.0	22.7	37.014	*
400/110	36.3	330.0	940	198.0	87.0	10.0	47.184	*
400/160	36.3	350.0	940	198.0	103.0	14.6	47.456	*
400/200	36.3	365.0	952	200.0	117.0	18.2	47.853	*
400/225	36.3	375.0	955	200.0	125.0	20.5	48.241	*
400/315	36.3	415.0	940	198.0	155.0	28.6	50.832	*

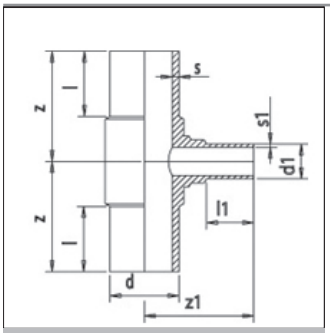
*** op aanvraag**
*** sur demande**
*** on request**

VINK

agru

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

PE 100



ATRAS (NO AGRU)

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.

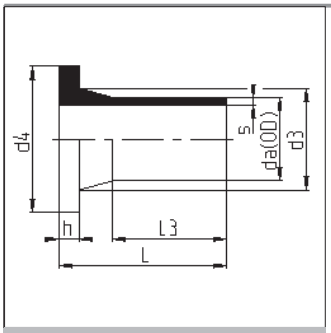
SDR 11 / ISO S-5

d-d1	s	S1red.	l	z	l1	Z1	€/ST/PC
125/ 63	11.4	5.8	100	179	69	148	**112.64**
140/ 63	12.8	5.8	105	193	77	160	**147.48**
140/ 75	12.8	6.9	105	193	78	173	**147.48**
140/ 90	12.8	8.2	105	194	87	182	**147.48**
140/110	12.8	10.0	105	194	95	188	**152.89**
180/125	16.4	11.4	116	215	100	215	**253.13**
180/140	16.4	12.7	116	230	104	220	**245.89**
200/ 75	18.2	6.9	127	255	76	200	**393.47**
225/ 63	20.5	5.8	130	270	69	241	**415.17**
225/125	20.5	11.4	120	261	93	266	**416.77**
225/140	20.5	12.7	130	270	104	276	**416.77**
280/160	25.4	14.6	146	321	110	280	**681.53**

agru

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

PE 100 RC



AQAS

VOORLASKRAGEN, VERLENGD
COLLETS ALLONGEES
STUBS ELONGATED

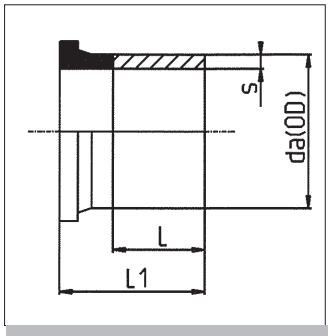
Gespoten . Ook geschikt voor electromoflas.
Injectées. Conviennent également pour l'électrosoudage.
Moulded. Also suitable for electro socket welding.

SDR 7.4/ ISO S-3.2

da	s	L	L3	d3	d4	h	KG/ST/PC	€/ST/PC
63	8.6	118.0	78.0	75	102	14	0.265	**13.06**
75	10.3	128.0	86.0	89	122	16	0.409	**16.22**
90	12.3	140.0	95.0	105	138	17	0.603	**22.05**
110	15.1	140.0	97.0	125	158	18	0.878	**27.01**
125	17.1	180.0	121.5	132	158	25	1.307	**32.90**
160	21.9	181.5	119.5	175	212	25	2.190	**66.66**
200	27.4	180.5	121.5	232	268	32	3.600	**121.22**
225	30.8	184.0	129.0	235	268	32	3.920	**125.01**

da	SDR 17 / ISO S-8								SDR 11 / ISO S-5							
	s	L	L3	d3	d4	h	KG ST/PC	€ ST/PC	s	L	L3	d3	d4	h	KG ST/PC	€ ST/PC
20									3.0	88	64.0	27	45	7	0.025	**3.75**
25									3.0	86	64.0	33	58	9	0.040	**3.94**
32									3.0	89	61.0	40	68	10	0.057	**4.61**
40									3.7	100	65.0	50	78	11	0.087	**5.44**
50									4.6	101	69.0	61	88	12	0.126	**6.65**
63	3.8	121	78.0	75	102	14	0.177	**8.37**	5.8	122	78.0	75	102	14	0.217	**8.37**
75	4.5	125	85.5	89	122	16	0.268	**10.80**	6.8	125	86.0	89	122	16	0.312	**10.80**
90	5.4	140	100.0	105	138	17	0.370	**14.11**	8.2	140	101.0	105	138	17	0.454	**14.11**
110	6.6	158	113.0	125	158	18	0.578	**18.03**	10.0	159	115.0	125	158	18	0.729	**18.03**
125	7.4	167	125.0	132	158	18	0.625	**21.94**	11.4	169	122.0	132	158	25	0.885	**21.94**
140	8.3	180	127.0	155	188	18	0.900	**28.25**	12.7	188	128.5	155	188	25	1.296	**32.88**
160	9.5	198	148.0	175	212	18	1.246	**35.59**	14.6	200	148.0	175	212	25	1.760	**44.53**
180	10.7	210	163.5	183	212	20	1.392	**49.87**	16.4	209	155.0	183	212	30	2.040	**49.86**
200	11.9	210	143.0	232	268	24	2.326	**62.60**	18.2	210	140.0	232	268	32	3.220	**80.98**
225	13.4	210	154.0	235	268	24	2.300	**67.46**	20.5	210	145.0	235	268	32	3.320	**83.47**
250	14.8	204	132.0	285	320	25	3.440	**82.58**	22.7	204	132.0	285	320	35	4.640	**127.85**
280	16.6	218	145.0	288	320	25	3.720	**128.20**	25.4	218	145.0	288	320	35	5.20	**149.77**
315	18.7	219	154.0	335	370	25	4.700	**168.18**	28.6	238	154.0	335	370	35	7.580	**199.32**
355	21.1	255	178.0	373	430	30	7.400	**290.74**	32.2	257	176.0	373	430	40	10.64	**312.40**
400	23.7	265	186.0	427	482	33	9.500	**512.85**	36.3	274	185.0	427	482	46	14.42	**551.13**
***450**	26.7	326	-	514	585	46	18.300	**831.15**	40.9	340	-	514	585	60	26.00	**919.72**
***500**	29.7	330	-	530	585	46	20.000	**1013.14**	45.4	360	-	530	585	60	29.00	**1063.98**
***560**	33.2	370	-	615	685	50	27.200	**1366.07**	50.8	380	-	615	685	60	42.30	**1477.96**
***630**	37.4	360	-	645	685	50	29.300	**1261.29**	57.2	375	-	645	685	65	47.20	**1667.13**

* niet / non / no AGRU - **PE 100**



AQAS

SDR 17 / ISO S-8

da	s	L	L1	KG/ST/PC	€/ST/PC
710	42.1	300	470	46.6	**1794.06**

SDR 11 / ISO S-5

da	s	L	L1	KG/ST/PC	€/ST/PC
710	64.5	300	470	68.7	**2876.44**

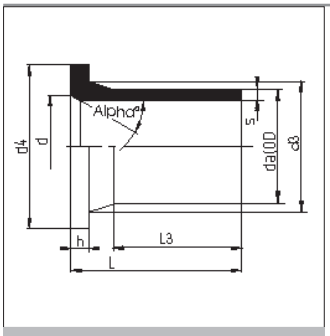
L = 300 mm, gelast / soudé / welded

VINK

agru

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

PE 100 RC



AQAFS

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

PE 100 zwart / noir / black

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

SDR 17 / ISO S-8

da	s	L	L3	d	d3	d4	h	Alpha °	KG ST/PC	€ ST/PC
110	6.6	158.0	113	100	125	158	18	30	0.546	**18.06**
140	8.3	178.5	127	125	155	188	18	30	0.820	**28.32**
160	9.5	196.5	148	150	175	212	18	30	1.220	**35.56**
200	11.9	208.5	143	210	232	268	24	30	2.100	**62.55**
225	13.4	208.5	154	210	235	268	24	30	2.250	**67.41**
250	14.8	202.0	132	255	285	320	25	25	3.200	**109.49**
280	16.6	218.0	145	255	288	320	25	25	3.680	**128.31**
315	18.7	217.0	154	305	335	370	25	25	4.680	**168.47**
355	21.1	252.0	178	338	373	430	30	30	7.140	**291.17**
400	23.7	262.0	186	378	427	482	33	30	9.400	**513.68**

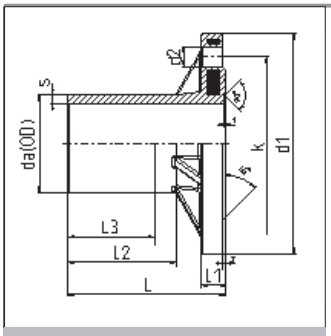
SDR 11 / ISO S-5

da	s	L	L3	d	d3	d4	h	Alpha °	KG ST/PC	€ ST/PC
110	10.0	157	115.0	100	125	158	18	30	0.700	**18.06**
140	12.7	185	128.5	125	155	188	25	30	1.274	**32.88**
160	14.6	197	148.0	150	175	212	25	30	1.680	**44.53**
180	16.4	206	155.0	150	183	212	30	30	2.020	**49.86**
200	18.2	207	140.0	210	232	268	32	30	2.860	**80.94**
225	20.5	207	145.0	210	235	268	32	30	3.280	**83.47**
250	22.7	200	132.0	255	285	320	35	25	4.200	**127.84**
280	25.4	214	145.0	255	288	320	35	25	5.010	**149.77**
315	28.6	234	154.0	301	335	370	35	22	7.200	**199.20**
355	32.2	253	176.0	338	373	430	40	30	9.800	**312.93**
400	36.3	270	185.0	378	427	482	46	22	13.600	**552.04**

agru

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

PE 100 RC



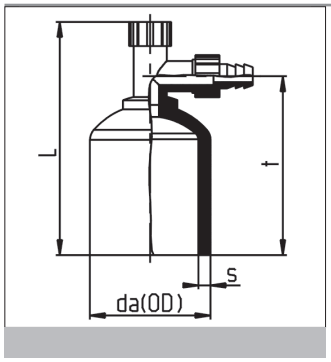
AFAS

KRAAG FLENS, VERLENGD MET STALEN KERN
BRIDE FIX, ALLONGEES AVEC ÂME EN ACIER
FULL FACE FLANGE, ELONGATED WITH STEEL INSERT

Gespoten. Ook geschikt voor elektromoflas. PN 10 / PN 16 Boring.
Injectées. Conviennent egalement pour l'electrosoudage. Forage PN 10 / PN 16.
Moulded. Also suitable for electro socket welding. Drilled PN 10 / PN 16.

SDR 11 / ISO S-5

da	s	L	L1	L2	L3	d1	d2	k	KG/ST/PC	€/ST/PC
90	8.2	142	22	98	80	202	18	160	2.02	**92.98**
110	10.0	146	22	98	80	222	18	180	2.44	**123.40**
125	11.4	147	22	98	80	222	18	180	2.28	**127.01**
160	14.6	171	24	118	100	286	22	240	4.40	**174.20**
180	16.4	180	24	127	110	286	22	240	4.32	**244.38**



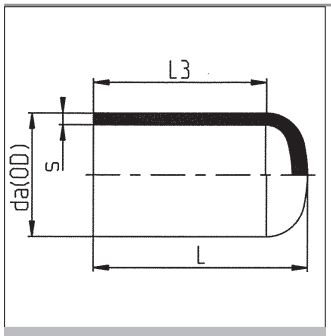
ONTLUCHTINGSKAP
BOUCHON DE PURGE
VENTILATION END CAP

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	s	L	t	KG/ST/PC	€/ST/PC	s	L	t	KG/ST/PC	€/ST/PC
63						5.8	159	116	0.272	**55.57**
90	5.4	190	134	0.389	**73.13**	8.2	190	134	0.428	**68.74**
110	6.6	214	155	0.569	**80.07**	10.0	211	155	0.648	**75.27**
125	7.4	214	165	0.640	**82.65**	11.4	215	165	0.769	**77.69**
160	9.5	238	183	1.000	**99.41**	14.6	245	183	1.380	**93.45**
180	10.7	271	216	1.215	**130.23**	16.4	236	216	1.660	**122.42**
200	11.9	260	212	1.460	**135.02**	18.2	260	212	2.210	**126.92**
225	13.4	280	238	2.140	**144.39**	20.5	280	238	3.100	**135.73**

VINK

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

PE 100 RC



ACAS

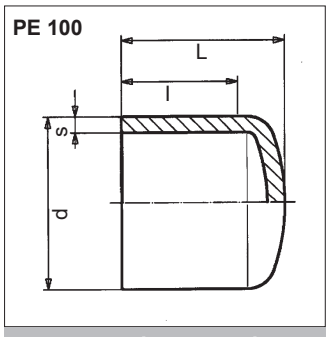
EINDKAPPEN VERLENGD
BOUCHONS ALLONGES
END CAPS ELONGATED

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

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	L3	L	S	KG/ST/PC	€/ST/PC	L3	L	S	KG/ST/PC	€/ST/PC
20						42.0	46.5	3.0	0.008	**3.59**
25						42.0	48.0	3.0	0.010	**3.94**
32						45.0	54.0	3.0	0.015	**4.96**
40						50.0	63.0	3.7	0.029	**6.14**
50						57.0	71.0	4.6	0.051	**7.99**
63	66.0	83.0	3.8	0.063	**10.56**	64.0	80.5	5.8	0.092	**10.58**
75	75.0	88.0	4.5	0.100	**16.37**	75.0	91.0	6.8	0.149	**16.37**
90	82.0	107.0	5.4	0.180	**24.85**	84.0	107.0	8.2	0.253	**24.85**
110	101.5	131.0	6.6	0.325	**33.66**	105.0	133.0	10.0	0.476	**33.66**
125	100.0	132.0	7.4	0.407	**36.38**	100.0	132.0	11.4	0.586	**36.38**
140	106.0	142.0	8.3	0.520	**45.50**	106.0	144.0	12.7	0.830	**45.50**
160	116.0	164.0	9.5	0.836	**51.00**	123.5	165.0	14.6	1.198	**51.00**
180	107.0	156.0	10.7	1.060	**66.30**	111.0	160.0	16.4	1.690	**66.30**
200	119.0	174.0	11.9	1.340	**82.59**	117.0	181.5	18.2	2.000	**82.59**
225	123.0	196.0	13.4	1.971	**98.59**	130.0	202.5	20.5	2.820	**98.59**
250	152.0	224.0	14.8	2.640	**132.88**	160.0	223.0	22.7	3.910	**147.72**
280	162.0	246.0	16.6	3.680	**188.72**	162.0	248.0	25.4	5.360	**209.80**
315	167.0	262.0	18.7	4.930	**252.44**	167.0	269.0	28.6	7.100	**282.09**

SDR 7.4/ ISO S-3.2

da	L3	L	S	KG/ST/PC	€/ST/PC
63	66.5	81.5	8.6	0.126	**15.84**
75	75.0	94.0	10.3	0.211	**24.56**
90	79.0	100.0	12.3	0.317	**37.24**
110	94.0	118.0	15.1	0.558	**50.49**
125	100.5	128.5	17.1	0.784	**54.58**
160	103.5	146.0	21.9	1.410	**76.50**
200	121.5	180.0	27.4	2.600	**123.90**
225	125.0	192.0	30.8	3.640	**147.91**



ACAS (NO AGRU)

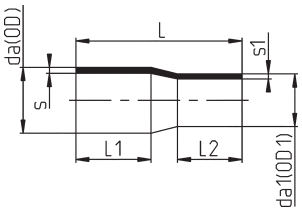
Niet / non / no AGRU

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	l	L	S	KG/ST/PC	€/ST/PC	l	L	S	KG/ST/PC	€/ST/PC
355	213	264	21.1	6.29	**388.36**	213	264	32.2	9.09	**489.23**
400	230	280	23.7	8.43	**505.19**	230	280	36.3	12.48	**664.96**
450	195	306	26.7	11.8	**863.57**	195	306	40.9	17.0	**758.20**
500	212	335	29.7	15.9	**643.20**	212	335	45.4	22.9	**868.93**
630	255	410	37.4	31.0	**1087.43**	255	410	57.2	44.7	**1449.93**

agru

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

PE 100 RC



ACRAS

CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

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

SDR 17 / ISO S-8

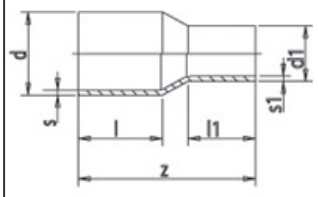
da	da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
75	**63**	146.0	70.0	63.0	4.5	3.8	0.129	**12.63**
90	**63**	172.0	79.0	63.0	5.4	3.8	0.199	**17.67**
90	**75**	163.0	79.0	70.0	5.4	4.5	0.196	**17.81**
110	**63**	182.0	82.0	63.0	6.6	3.8	0.297	**23.79**
110	**90**	175.0	82.0	79.0	6.6	5.4	0.331	**23.79**
125	**63**	187.0	87.0	63.0	7.4	3.8	0.375	**28.57**
125	**90**	191.5	87.0	79.0	7.4	5.4	0.438	**28.57**
125	**110**	193.0	87.0	82.0	7.4	6.6	0.483	**28.63**
140	**125**	211.0	95.0	90.0	8.3	7.4	0.650	**41.14**
160	**90**	215.0	98.0	79.0	9.5	5,4	0.760	**54.91**
160	**110**	222.0	98.0	87.5	9.5	6.6	0.802	**55.07**
160	**125**	227.0	98.0	89.5	9.5	7.4	0.852	**55.07**
160	**140**	234.0	98.0	93.5	9.5	8.3	0.945	**55.38**
180	**125**	270.0	132.5	95.0	10.7	7.4	1.260	**71.35**
180	**160**	245.0	109.0	101.0	10.7	9.5	1.380	**71.35**
200	**160**	253.0	112.0	98.5	11.9	9.5	1.560	**78.20**
225	**160**	258.0	120.0	98.0	13.4	9.5	1.839	**125.79**
250	**160**	318.0	152.0	112.0	14.8	9.5	2.762	**170.07**
250	**200**	317.0	152.0	124.0	14.8	11.9	3.060	**177.91**
250	**225**	312.0	150.0	132.0	14.8	13.4	3.340	**177.91**
280	**250**	355.0	160.0	156.0	16.6	14.8	4.520	**237.10**
315	**200**	375.0	173.0	134.0	18.7	11.9	5.400	**305.05**
315	**225**	375.0	168.0	132.0	18.7	13.4	5.600	**305.05**
315	**250**	375.0	173.0	154.0	18.7	14.8	5.760	**305.05**

agru

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

PE 100 RC

PE 100



ACRAS (NO AGRU)

CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

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

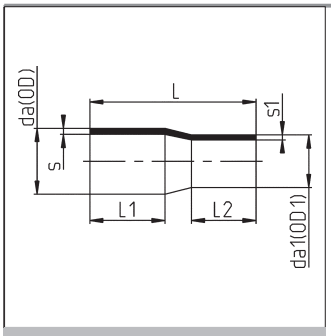
SDR 17 / ISO S-8

d-d1	S	S1.	z	l	l1	€/ST/PC
75- 40	4.5	3.7	172	76	55	**18.71**
75- 50	4.5	4.6	172	76	61	**18.71**
75 - 63	4.5	5.8	172	76	69	**18.71**
90- 50	5.4	3.0	142	64	49	**20.30**
110- 75	6.6	4.5	210	95	76	**29.56**
125- 75	7.4	4.5	225	100	76	**32.48**
140- 75	8.3	4.5	246	116	72	**46.63**
140- 90	8.3	5.4	245	104	88	**46.63**
140-110	8.3	6.6	245	104	94	**46.63**
180- 90	10.7	5.4	260	110	90	**82.67**
180-110	10.7	6.6	275	115	95	**61.99**
180-140	10.7	8.3	221	105	96	**89.86**
200-110	11.9	6.6	287	126	96	**104.57**
200-125	11.9	7.4	283	123	103	**88.36**
200-180	11.9	10.7	236	117	109	**104.57**
225- 90	13.4	5.4	298	121	89	**174.16**
225-110	13.4	6.6	312	130	94	**141.99**
225-125	13.4	7.4	288	131	100	**174.16**
225-180	13.4	10.7	310	130	111	**141.99**
225-200	13.4	11.9	277	140	130	**174.16**
250-180	14.8	10.7	338	137	123	**237.52**
280-180	16.6	10.7	350	146	119	**312.09**
280-200	16.6	11.9	350	146	124	**312.09**
280-225	16.6	13.4	350	150	132	**312.09**
315-280	18.7	16.6	380	160	162	**426.03**
355-250	21.1	14.8	415	175	145	**564.73**
355-280	21.1	16.6	415	170	155	**959.59**
355-315	21.1	18.7	415	175	170	**1047.95**
400-280	23.7	16.6	465	190	155	**726.75**
400-315	23.7	18.7	460	190	165	**1064.25**
400-355	23.7	21.1	463	190	185	**1134.09**
450-280	26.7	16.6	480	202	146	**1131.75**
450-315	26.7	18.7	480	202	157	**1250.82**
450-355	26.7	21.1	480	202	172	**1301.75**
450-400	26.7	23.7	480	202	187	**1373.65**
500-355	29.7	21.1	520	222	172	**1562.07**
500-400	29.7	23.7	520	222	187	**1635.17**
500-450	29.7	26.7	520	222	202	**1737.41**
630-355	37.4	21.1	650	265	172	**3399.31**
630-400	37.4	23.7	650	265	187	**3264.44**
630-450	37.4	26.7	650	265	202	**3060.52**
630-500	37.4	29.7	650	265	222	**2858.82**

agru

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

PE 100 RC



ACRAS

CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC 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

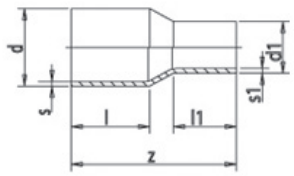
da	da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
25	**20**	87	41.0	41.0	3.0	3.0	0.016	**3.08**
32	**20**	95	44.0	41.0	3.0	3.0	0.022	**3.41**
32	**25**	95	44.0	41.0	3.0	3.0	0.024	**3.41**
40	**20**	102	49.0	41.0	3.7	3.0	0.032	**4.96**
40	**25**	102	49.0	41.0	3.7	3.0	0.033	**4.96**
40	**32**	101	49.0	44.0	3.7	3.0	0.040	**4.96**
50	**25**	118	55.0	43.0	4.6	3.0	0.054	**6.15**
50	**32**	118	58.0	45.0	4.6	3.0	0.060	**6.15**
50	**40**	126	55.0	49.0	4.6	3.7	0.071	**6.15**
63	**32**	135	63.0	48.0	5.8	3.0	0.098	**8.16**
63	**40**	129	63.0	49.0	5.8	3.7	0.102	**8.16**
63	**50**	148	63.0	58.0	5.8	4.6	0.134	**8.16**
75	**50**	148	70.0	57.0	6.8	4.6	0.168	**12.63**
75	**63**	148	70.0	63.0	6.8	5.8	0.193	**12.63**
90	**63**	172	79.0	63.0	8.2	5.8	0.290	**17.67**
90	**75**	163	79.0	70.0	8.2	6.8	0.293	**17.81**
110	**40**	176	77.0	50.0	10.0	3.7	0.362	**23.79**
110	**63**	178	82.0	63.0	10.0	5.8	0.425	**23.79**
110	**90**	177	82.0	79.0	10.0	8.2	0.499	**23.79**
125	**63**	195	87.0	63.0	11.4	5.8	0.560	**28.57**
125	**90**	200	87.5	79.0	11.4	8.2	0.635	**28.57**
125	**110**	200	87.5	82.0	11.4	10.0	0.739	**28.63**
140	**125**	211	94.5	88.5	12.7	11.4	0.992	**41.14**
160	**90**	217	100.5	79.0	14.6	8.2	1.060	**54.91**
160	**110**	225	98.0	85.5	14.6	10.0	1.180	**55.07**
160	**125**	231	98.0	89.5	14.6	11.4	1.320	**55.07**
160	**140**	229	98.0	92.0	14.6	12.7	1.360	**55.38**
180	**125**	270	129.5	94.5	16.4	11.4	1.820	**71.35**
180	**160**	245	105.0	104.0	16.4	14.6	1.880	**71.35**
200	**160**	252	112.0	98.5	18.2	14.6	2.270	**78.20**
225	**160**	262	120.0	101.0	20.5	14.6	2.760	**125.79**
250	**160**	314	153.5	111.5	22.7	14.6	3.980	**170.07**
250	**200**	314	153.5	123.5	22.7	18.2	4.440	**177.91**
250	**225**	315	153.0	131.5	22.7	20.5	4.740	**177.91**
280	**250**	355	163.5	153.5	25.4	22.7	6.640	**237.10**
315	**200**	375	177.5	131.5	28.6	18.2	7.640	**305.05**
315	**225**	375	170.5	131.5	28.6	20.5	7.840	**305.05**
315	**250**	375	173.5	153.5	28.6	22.7	8.320	**305.05**

agru

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

PE 100 RC

PE 100



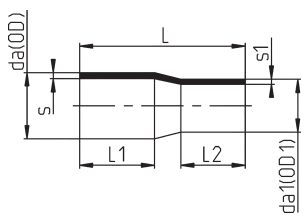
ACRAS (NO AGRU)

CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC 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

d-d1	S	S1.	z	l	l1	€/ST/PC
75- 40	6.9	3.7	172	76	55	**14.49**
90- 50	8.2	4.6	178	85	60	**21.23**
110- 50	10.0	4.6	177	88	57	**43.94**
110- 75	10.0	6.9	210	95	76	**30.90**
125- 75	11.4	6.9	225	100	76	**33.93**
140- 75	12.7	6.9	246	116	72	**48.72**
140- 90	12.7	8.2	245	104	88	**48.72**
140-110	12.7	10.0	245	104	94	**48.72**
180- 90	16.4	8.2	260	110	90	**121.72**
180-110	16.4	10.0	275	115	95	**69.54**
180-140	16.4	12.7	221	105	96	**127.54**
200-110	18.2	10.0	287	126	96	**154.01**
200-125	18.2	11.4	283	123	103	**92.33**
200-180	18.2	16.4	236	117	109	**154.01**
225- 90	20.5	8.2	300	130	90	**246.95**
225-110	20.5	10.0	312	130	94	**148.37**
225-125	20.5	11.4	310	130	100	**246.95**
225-180	20.5	16.4	310	130	111	**148.37**
225-200	20.5	18.2	277	132	130	**246.95**
250-180	22.7	16.4	338	137	123	**259.71**
280-180	25.4	16.4	350	146	119	**326.14**
280-200	25.4	18.2	350	146	124	**326.14**
280-225	25.4	20.5	350	150	132	**326.14**
315-280	28.6	25.4	380	160	162	**445.21**
355-250	32.2	22.7	415	175	145	**706.14**
355-280	32.2	25.4	415	170	155	**1061.81**
355-315	32.2	28.6	415	175	170	**1137.03**
400-280	36.3	25.4	465	190	155	**590.15**
400-315	36.3	28.6	460	190	165	**1002.77**
400-355	36.3	32.2	463	190	185	**1095.10**
450-280	40.9	25.4	480	202	146	**981.60**
450-315	40.9	28.6	480	202	157	**1131.23**
450-355	40.9	32.2	480	202	172	**1184.30**
450-400	40.9	36.3	480	202	187	**1259.44**
500-355	45.4	32.2	520	222	172	**1456.35**
500-400	45.4	36.3	520	222	187	**1532.63**
500-450	45.4	40.9	520	222	202	**1639.52**
630-355	57.2	32.2	650	265	172	**3206.68**
630-400	57.2	36.3	650	265	187	**3206.68**
630-450	57.2	40.9	650	265	202	**3206.68**
630-500	57.2	45.4	650	265	222	**3206.68**



ACRAS

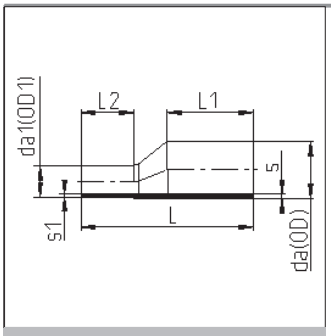
SDR 7.4 / ISO S-3.2

da	da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
110	**63**	178.0	80.0	59.0	15.1	8.6	0.599	**35.67**
110	**90**	178.0	80.0	75.0	15.1	12.3	0.715	**35.67**
125	**63**	190.0	85.0	62.0	17.1	8.6	0.791	**42.86**
125	**90**	189.0	85.5	76.0	17.1	12.3	0.833	**42.86**
125	**110**	197.5	84.0	80.0	17.1	15.1	1.040	**42.97**
160	**90**	216.0	89.0	77.0	21.9	12.3	1.475	**82.35**
160	**110**	223.0	89.0	86.0	21.9	15.1	1.564	**82.35**
160	**125**	228.0	93.0	90.0	21.9	17.1	1.790	**82.57**
200	**160**	249.0	96.0	106.0	27.4	21.9	2.980	**117.28**
225	**160**	268.0	120.0	104.0	30.8	21.9	3.880	**188.70**
250	**160**	314.0	152.5	112.0	34.2	21.9	5.400	**255.14**
250	**225**	312.0	152.5	130.5	34.2	30.8	6.600	**266.87**

agru

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

PE 100 RC



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.

da/da1	SDR 17 / ISO S-8							SDR 11 / ISO S-5						
	L	L1	L2	s	s1	KG ST/PC	€ ST/PC	L	L1	L2	s	s1	KG ST/PC	€ ST/PC
25/ 20								103	51.0	38.0	3.0	3.0	0.021	**3.38**
32/ 25								114	56.0	40.0	3.0	3.0	0.029	**3.96**
40/ 25								126	60.0	40.0	3.7	3.0	0.040	**5.41**
40/ 32								125	59.0	44.0	3.7	3.0	0.045	**5.41**
50/ 32								156	71.0	45.0	4.6	3.0	0.080	**6.74**
50/ 40								157	71.0	49.0	4.6	3.7	0.092	**6.74**
63/ 32								177	75.0	45.0	5.8	3.0	0.139	**9.70**
63/ 40								177	76.0	49.0	5.8	3.7	0.145	**9.70**
63/ 50	173	72.0	56.0	3.8	3.0	0.110	**9.01**	177	76.0	56.0	5.8	4.6	0.156	**9.70**
75/ 50	195	81.0	56.0	4.5	3.0	0.169	**13.88**	195	82.0	57.0	6.8	4.6	0.230	**14.98**
75/ 63	195	82.0	63.0	4.5	3.8	0.180	**13.88**	197	83.0	63.0	6.8	5.8	0.255	**14.98**
90/ 63	216	94.0	64.0	5.4	3.8	0.268	**19.46**	213	92.0	64.0	8.2	5.8	0.380	**20.99**
90/ 75	219	95.0	70.0	5.4	4.5	0.284	**19.46**	214	93.0	69.0	8.2	6.8	0.402	**20.99**
110/ 63	246	101.0	63.0	6.6	3.8	0.420	**26.19**	244	99.0	63.0	10.0	5.8	0.588	**28.28**
110/ 90	241	96.0	79.0	6.6	5.4	0.460	**26.19**	244	98.0	79.0	10.0	8.2	0.666	**28.28**
125/ 63	265	107.5	63.0	7.4	3.8	0.570	**31.42**	268	105.0	63.0	11.4	5.8	0.820	**33.91**
125/ 90	264	106.5	79.0	7.4	5.4	0.626	**31.42**	265	106.5	79.0	11.4	8.2	0.910	**33.91**
125/110	264	105.5	86.0	7.4	6.6	0.679	**31.42**	260	103.0	87.0	11.4	10.0	0.979	**33.91**
140/125	285	111.5	93.0	8.3	7.4	0.935	**45.24**	283	109.5	95.0	12.7	11.4	1.320	**48.84**
160/ 90	310	117.5	79.0	9.5	5.4	1.120	**60.36**	309	117.5	79.0	14.6	8.2	1.520	**65.22**
160/110	310	118.5	85.0	9.5	6.6	1.183	**60.36**	305	115.5	87.0	14.6	10.0	1.660	**65.22**
160/125	310	118.5	91.0	9.5	7.4	1.263	**60.36**	309	116.5	91.0	14.6	11.4	1.750	**65.22**
160/140	309	116.5	96.0	9.5	8.3	1.300	**60.36**	308	116.5	97.5	14.6	12.7	1.880	**65.22**
180/ 90	342	127.0	79.0	10.7	5.4	1.640	**78.51**	348	128.5	79.0	16.4	8.2	2.260	**84.76**
180/125	353	134.5	92.5	10.7	7.4	1.740	**78.51**	345	130.0	93.0	16.4	11.4	2.456	**84.76**
180/160	340	131.5	101.5	10.7	9.5	1.880	**78.51**	345	130.0	104.0	16.4	14.6	2.780	**84.76**
200/160	373	138.5	100.0	11.9	9.5	2.380	**86.07**	373	138.5	104.0	18.2	14.6	3.400	**92.87**
200/180	370	142.5	107.0	11.9	10.7	2.560	**86.07**	373	143.5	111.0	18.2	16.4	3.660	**92.87**
225/160	400	151.5	101.5	13.4	9.5	3.120	**138.33**	405	154.5	100.0	20.5	14.6	4.370	**149.41**
225/180	400	151.5	108.5	13.4	10.7	3.280	**138.33**	403	154.5	110.0	20.5	16.4	4.620	**149.41**
225/200	400	151.5	115.5	13.4	11.9	3.520	**138.33**	403	155.5	115.0	20.5	18.2	4.950	**149.41**
250/200	440	180.0	120.0	14.8	11.9	4.380	**181.57**	440	180.0	120.0	22.7	18.2	6.280	**196.09**
250/225	445	182.5	124.5	14.8	13.4	4.600	**181.57**	440	179.0	125.0	22.7	20.5	6.840	**196.09**

VINK

agru

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

PE 100 RC

RICHTLIJNEN VOOR HET WERKEN MET AGRU ELECTROMOFLASSEN
DIRECTIVES DE TRAVAIL POUR L'ELECTROSOUDAGE AGRU
GUIDELINES FOR WORKING WITH AGRU ELECTRICAL WELDING SLEEVES

1) Zaag de buis loodrecht af, verwijder de bramen, en markeer de insteekdiepte
2) Reinig de buis met droog, pluisvrij papier en verwijder alle vuil over de gehele insteek-lengte.
3) Schil de buis met behulp van een geschikte buizenschiller zodat de oxidelaag ver-wijderd is. Raak het geschilde oppervlakte niet meer aan
4) Haal de electromof uit de verpakking. Raak de binnenzijde van de electromof niet aan.
5) Reinig buis en electromof met een geschikt reinigingsmiddel
6) Schuif beide buisuiteinden in de electromof, en respecteer de insteekdiepte
7) Klem beide buizen in een klemmenbank, om zo een correcte uitlijning te bekomen, zodat er geen krachten op de electromof optreden tijdens het lassen
8) Verbind het toestel met de electromof, geef de lasparameters in en start de lasprocedure Zowel tijdens lassen als afkoelen dient de electromof ingeklemd te blijven !

Electromoffen zijn enkel te gebruiken in combinatie met verlengde fittingen.
De insteekdiepte dient ten allen tijde gerespecteerd te worden.
Een gedetailleerde lasprocedure en lasparameters zijn op aanvraag te verkrijgen.

1) Sciez le tuyau bien d'équerre, enlevez les bavures et marquez la profondeur de pénétration.
2) Nettoyez le tuyau avec du papier sec, non pelucheux et éliminez toute saleté sur toute la longueur de pénétration.
3) Epluchez le tuyau au moyen de l'outil approprié de manière à ce que la couche oxydée soit éliminée. Ne touchez plus la partie du tuyau ainsi traitée.
4) Déballez le manchon électrique. Ne touchez pas la partie intérieure du manchon électrique.
5) Nettoyez le tuyau et le manchon électrique au moyen d'un produit de nettoyage approprié
6) Glissez les deux extrémités du tuyau dans le manchon électrique en respectant la profondeur de pénétration.
7) Clamez les deux tuyaux dans un banc de serrage de manière à obtenir une linéarité aussi correcte que possible pour éviter les tensions sur le manchon électrique durant le soudage.
8) Connectez le manchon électrique avec l'appareil, introduisez les paramètres de soudage et débutez la procédure de soudage. Le manchon électrique doit rester clamé tant durant le soudage que durant la période de refroidissement.

Les manchons électrosoudables ne peuvent être employés qu'en combinaison avec les raccords allongés.
Une procédure de soudage détaillée ainsi que les paramètres de soudage sont disponibles sur demande.

1) Saw the pipe off perpendicularly, remove the burrs and mark the insertion depth.
2) Clean the pipe with dry, lint-free paper and remove all dirt over the entire insertion length.
3) Peel the pipe using a suitable pipe peeling tool so that the layer of oxide is removed. Do not touch the peeled surface.
4) Take the electrical welding sleeve out of its packaging. Do not touch the inside of the sleeve.
5) Clean pipe and electrical welding sleeve with a suitable cleansing agent.
6) Insert both pipe ends into the electrical welding sleeve, respecting the insertion depth.
7) Clamp both pipes in a bench clamp to achieve a correct alignment, so that no forces are exerted on the electrical welding sleeve during welding.
8) Connect the device to the electrical welding sleeve, enter the welding parameters and begin the welding procedure. The electrical welding sleeve must remain clamped both during welding and while cooling!

Electrical welding sleeves should only be used in combination with extended fittings.
The insertion depth should be respected at all times.
A detailed welding procedure and welding parameters are available on request.

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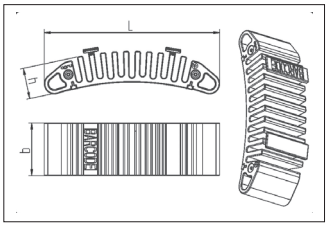
electromoflasfittings
raccords pour electrosoudable
fittings for electro socket welding

PE 100 RC

AGRULINE FLEX



OPLASBAAR VAST PUNT
POINT FIX SOUDABLE
WELDABLE FIXED POINT

AGRULINE FLEX RESTRAINT

De Agru Flex restraint is een flexibele electromoffitting die op de buitenzijde van PE 100 / PE 100- RC drukbuizen gelast kan worden.
Op deze manier kan een robuust systeem bekomen worden dat grote krachten in de axiale richting kan absorberen om beweging door bijvoorbeeld uitzetting te voorkomen. Het systeem is ook geschikt om ballastblokken op hun plek te houden bij het leggen van offshore leidingen.
De Flex Restraint biedt weerstand voor afschuifspanningen tot 40kN per Flex restraint in de axiale richting. In geval van grotere spanningen kunnen er meer flex restraints aangebracht worden.

Le dispositif de retenue Agru Flex est un raccord électrique flexible qui peut être soudé à l'extérieur des conduites sous pression en PE 100 / PE 100- RC.
Il permet d'obtenir un système robuste capable d'absorber des forces importantes dans la direction axiale afin d'éviter les mouvements dus à la dilatation, par exemple. Le système convient également pour maintenir les blocs de ballast en place lors de la pose de pipelines offshore.
La retenue Flex résiste à des contraintes de cisaillement allant jusqu'à 40kN par retenue Flex dans la direction axiale. En cas de contraintes plus élevées, il est possible d'appliquer davantage de brides de retenue Flex.

The Agru Flex restraint is a flexible electrofitting that can be welded to the outside of PE 100 / PE 100- RC pressure pipes.
This way, a rigid system by fixed points can be created that absorbs high forces to prevent axial movement. The AGRU Flex Restraint is also suitable for fixing concrete ballast blocks when laying offshore pipes to prevent them from slipping.
The AGRU flex Restraint provides an axial strength of 40 kN in axial direction. In case higher forces are occurring, several restraints can be applied around the circumference.

prijs / prix / price: 249.73 €/st/pc

Technische eigenschappen / Propriétés techniques / Technical properties

Diameter **Diamètre** **Diameter**	Ø160 mm tot Ø 3500 mm Ø ≤ Ø280 mm: Sdr 7,4 – 17 Ø > Ø280 mm: Sdr 7,4 – 26
Schuifsterkte **Résistance au cisaillement** **Shear strength**	40 kN
Lastijd **Durée du soudage** **Welding time**	130s (15 - 25°C)
Koeltijd **Temps de refroidissement** **Cooling time**	T > 20 min
Afmetingen **Dimensions** **Dimensions**	L = 234 mm H = 40 mm B = 70 mm Ω = 5.9 +/- 20 %

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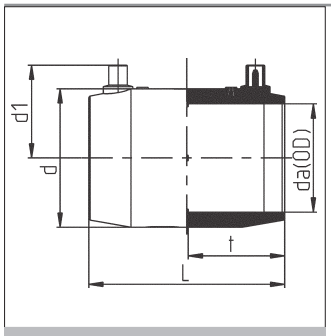
electromoflasfittings
raccords pour electrosoudable
fittings for electro socket welding

PE 100 RC



AMAM

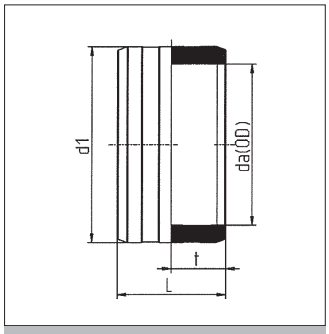
ELECTROLASMOFFEN
MANCHONS ELECTRO-SOUDAGE
ELECTRO WELDING SLEEVES

Max. werkdruk: water: 25 bar gas: 10 bar
Pression service max.: eau : 25 bar gaz: 10 bar
Working pressure max.: water: 25 bar gas: 10 bar

da	t	L	d	d1	SDR	KG/ST/PC	€/ST/PC
20	36.0	73.5	30.0	37.0	11-7.4	0.035	**4.21**
25	39.5	79.5	35.0	39.0	11-7.4	0.038	**4.83**
32	43.0	86.5	42.0	43.0	11-7.4	0.048	**5.10**
40	48.0	97.5	53.0	47.0	17-7.4	0.084	**5.34**
50	54.0	108.5	66.5	53.0	17-7.4	0.143	**8.31**
63	62.0	124.5	83.0	59.0	17-7.4	0.249	**8.68**
75	68.5	139.5	97.0	65.5	17-7.4	0.350	**12.39**
90	68.0	138.5	112.0	72.0	17-7.4	0.450	**16.48**
110	73.0	149.0	136.0	83.0	17-7.4	0.712	**19.81**
125	83.5	169.5	155.0	91.0	17-7.4	0.980	**27.86**
140	88.5	180.0	173.0	99.0	17-7.4	1.370	**32.68**
160	88.0	180.0	197.0	109.0	17-7.4	1.710	**38.39**
180	97.5	199.5	221.0	119.0	26-7.4	2.460	**55.11**
200	105.0	215.5	245.0	127.0	17-7.4	3.140	**65.07**
225	112.0	229.0	275.0	142.0	17-7.4	4.200	**83.83**
250	116.5	238.0	310.0	155.0	26-7.4	4.820	**123.53**
280	121.5	249.0	346.0	180.0	26-7.4	7.700	**167.38**
315	127.5	260.0	386.0	180.5	26-7.4	8.000	**201.31**

Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

da	t	L	d	d1	SDR	KG/ST/PC	€/ST/PC
355	136.5	280	445	225.0	26-11	14.75	**368.65**
400	146.5	300	499	254.0	26-11	19.80	**477.10**
450	166.0	338	552	260.0	17-11	20.60	**603.43**
500	178.5	358	604	289.0	17-11	26.00	**730.13**



AMAM

Max. werkdruk: water: 16 bar
Pression service max.: eau : 16 bar
Working pressure max.: water: 16 bar

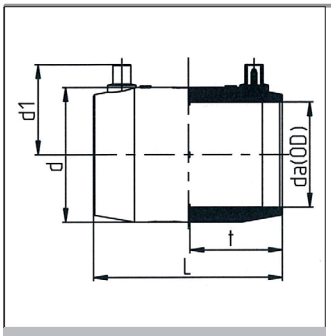
da	t	L	d1	SDR	KG/ST/PC	€/ST/PC
***560**	190	380	685	11-17	44.0	**2794.83**
***630**	205	410	770	11-17	59.0	**3357.83**
***710**	205	410	871	11-17	77.5	**5043.05**
***800**	250	500	980	11-17	128.6	**6172.36**
***900**	255	510	1105	11-17	124.0	**7604.33**

* machined

agru

electromoflasfittings
raccords pour electrosoudable
fittings for electro socket welding

PE 100 RC

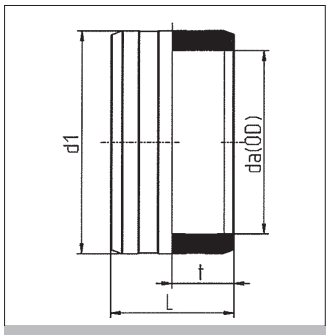


AMAM

ELECTROLASMOFFEN
MANCHONS ELECTRO-SOUDAGE
ELECTRO WELDING SLEEVES

Max. werkdruk: water: 10 bar gas: 6 bar
Pression service max.: eau : 10 bar gaz: 6 bar
Working pressure max.: water: 10 bar gas: 6 bar

da	L	d	d1	t	SDR	KG/ST/PC	€/ST/PC
90	138.5	109	74.0	67.5	26-17	0.369	**14.78**
110	150.5	133	82.0	73.5	26-17	0.540	**17.55**
125	170.5	149	92.0	83.5	26-17	0.816	**23.68**
160	179.5	188	107.5	88.0	26-17	1.085	**30.72**
180	199.0	212	117.5	97.0	26-17	1.618	**46.30**
200	215.5	234	127.0	105.0	26-17	2.015	**56.37**
225	230.0	263	144.0	112.0	26-17	2.800	**72.66**
250	240.0	293	152.5	118.5	33-17	4.000	**105.79**
280	250.0	326	169.0	123.5	33-17	5.060	**143.35**
315	259.0	366	185.5	128.5	33-17	6.420	**176.60**
355	280.0	413	205.5	138.5	33-17	8.940	**315.79**
400	301.0	466	235.5	148.5	33-17	12.200	**408.71**
450	338.0	522	260.0	166.5	33-17	16.600	**529.16**
500	359.0	579	286.0	177.5	33-17	22.000	**620.61**

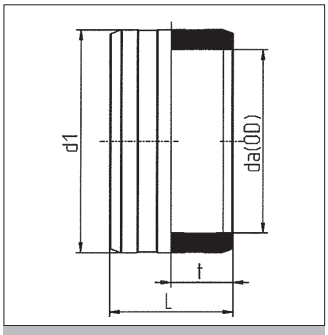


AMAM

Max. werkdruk: water: 10 bar
Pression service max.: eau : 10 bar
Working pressure max.: water: 10 bar

da	t	L	d1	SDR	KG/ST/PC	€/ST/PC
***560**	190	380	640	33-17	27.0	**1563.42**
***630**	205	410	715	41-17	33.5	**1988.83**
***710**	205	410	805	33-17	43.0	**2330.94**
***800**	250	500	915	33-17	73.5	**3878.92**
***900**	255	510	1025	33-17	90.5	**5333.29**
***1000**	265	530	1140	33-17	115.0	**6957.22**
***1200**	270	540	1365	41-17	169.0	**10133.04**
***1400**	275	550	1590	33-17	235.0	**13975.63**

* machined



AMAM

Max. werkdruk: water: 6 bar
Pression service max.: eau : 6 bar
Working pressure max.: water: 6 bar

da	t	L	d1	SDR	KG/ST/PC	€/ST/PC
***560**	190	380	615	41-26	15.5	**1312.96**
***630**	210	420	690	41-26	23.5	**1520.26**
***710**	221	442	775	41-26	28.6	**1840.43**
***800**	250	500	875	41-26	41.6	**2849.80**
***900**	255	510	980	41-26	53.5	**3960.33**
***1000**	265	530	1090	33-26	69.4	**5615.35**
***1200**	270	540	1310	33-26	101.2	**8878.89**
***1400**	275	550	1525	33-26	147.0	**11571.06**
***1600**	285	570	1740	33-26	189.0	**21893.22**

* machined

VINK

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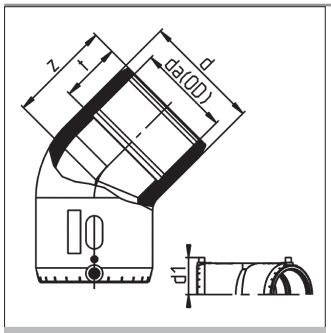
electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

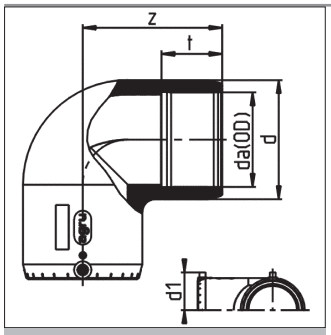


AHAM

KNIEEN 45°
COUDES A 45°
ELBOWS 45°

Max. werkdruk:	water: 16 bar	gas: 10 bar	
Pression service max.:	eau : 16 bar	gaz: 10 bar	
Working pressure max.:	water: 16 bar	gas: 10 bar	

da	t	z	d	d1	SDR	KG/ST/PC	€/ST/PC
20	36.5	52.0	30.0	37.0	11-7.4	0.050	**13.24**
25	39.2	52.0	35.0	40.0	11-7.4	0.051	**13.24**
32	43.0	56.0	42.0	44.0	11	0.072	**13.99**
40	48.0	63.0	53.0	49.0	11	0.119	**16.69**
50	54.0	70.0	67.0	53.0	17-11	0.200	**21.23**
63	61.5	82.0	82.5	58.5	17-11	0.327	**23.99**
75	68.5	94.0	97.0	66.0	17-11	0.500	**34.36**
90	71.0	113.0	115.0	74.0	17-11	0.850	**45.34**
110	72.0	124.0	140.0	82.5	17-11	1.430	**66.49**
125	85.0	124.0	161.0	92.0	17-11	1.830	**92.06**
140	89.5	128.0	173.0	97.0	17-11	1.920	**157.41**
160	89.0	161.5	200.0	112.0	17-11	3.400	**180.46**
180	98.0	172.0	224.0	119.0	26-11	4.890	**263.40**
200	106.5	178.0	248.5	130.5	26-11	6.000	**363.73**
225	113.5	190.0	279.0	145.5	17-11	7.990	**391.96**



AGAM

KNIEEN 90°
COUDES A 90°
ELBOWS 90°

Max. werkdruk:	water: 16 bar	gas: 10 bar	
Pression service max.:	eau : 16 bar	gaz: 10 bar	
Working pressure max.:	water: 16 bar	gas: 10 bar	

da	t	z	d	d1	SDR	KG/ST/PC	€/ST/PC
20	37.5	58	30	37.0	11-7.4	0.054	**13.24**
25	40.3	61	35	40.0	11-7.4	0.061	**13.24**
32	44.0	65	42	44.0	11	0.078	**13.99**
40	49.0	75	53	49.0	11	0.120	**16.69**
50	55.0	85	67	53.0	17-11	0.236	**21.23**
63	62.7	100	83	60.0	17-11	0.392	**23.99**
75	70.0	114	97	66.0	17-11	0.607	**34.36**
90	70.5	147	114	73.0	17-11	1.030	**45.34**
110	70.5	164	140	82.5	17-11	1.800	**66.49**
125	84.0	164	161	91.0	17-11	2.460	**92.06**
140	89.5	172	173	97.0	17-11	2.500	**157.41**
160	87.0	222	200	109.0	17-11	4.700	**180.46**
180	98.5	230	224	118.0	26-11	6.250	**263.40**
200	106.5	250	248	129.5	26-11	8.000	**363.73**
225	112.5	274	279	144.0	17-11	10.800	**391.96**

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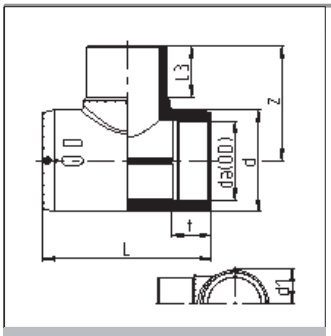
electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

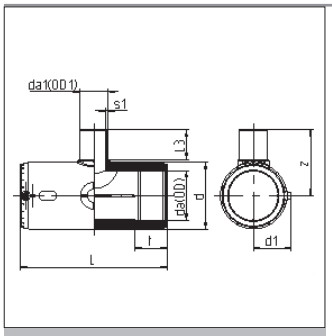


ATAM

T-STUKKEN 90°
TES A 90°
TEES 90°

Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

da	z	L	L3	d	t	d1	SDR	KG/ST/PC	€/ST/PC
20	62.0	110.5	42.5	32.0	36.0	36.0	11-7.4	0.065	**13.41**
25	66.0	110.5	42.5	37.0	39.5	39.5	11-7.4	0.080	**13.41**
32	76.0	122.5	47.0	47.0	43.0	43.5	11	0.125	**14.73**
40	86.0	139.5	50.5	57.5	48.0	47.5	11	0.206	**17.03**
50	100.5	160.5	58.0	69.0	54.5	52.5	11	0.300	**21.46**
63	116.0	185.5	66.0	87.0	62.0	58.5	17-11	0.538	**24.03**
75	128.0	210.5	71.5	96.5	69.0	64.0	17-11	0.650	**33.89**
90	171.5	293.0	91.0	124.0	76.0	72.5	17-11	1.720	**42.83**
110	190.0	326.5	101.0	148.5	71.5	85.0	17-11	2.670	**68.62**
125	215.0	347.5	111.0	170.0	86.0	93.1	17-11	3.700	**86.40**
140	227.0	350.0	92.0	189.0	89.5	98.0	17-11	4.600	**153.30**
160	245.0	370.5	122.0	211.5	85.0	110.5	17-11	6.120	**160.04**
180	275.0	419.5	130.0	232.0	98.5	123.5	17-11	9.000	**278.51**
200	302.0	427.0	136.0	264.0	105.0	139.0	17-11	10.980	**356.97**
225	325.0	479.5	147.0	287.0	110.0	150.0	17-11	13.400	**436.40**



ATRAM

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

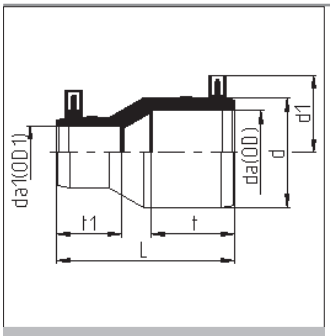
Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

da	da1	L	L3	d	d1	t	s1	z	KG/ST/PC	€/ST/PC
25	**20**	110.5	42.5	37.0	39.5	39.5	3.0	65.0	0.070	**13.60**
32	**20**	122.5	42.5	47.0	43.5	43.0	3.0	70.0	0.113	**14.93**
32	**25**	122.5	42.5	47.0	43.5	43.0	3.0	70.0	0.115	**14.93**
40	**20**	139.5	42.5	57.5	47.5	48.0	3.0	77.0	0.188	**17.25**
40	**25**	139.5	42.5	57.5	47.5	48.0	3.0	77.0	0.190	**17.25**
40	**32**	139.5	47.0	57.5	47.5	48.0	3.0	82.0	0.192	**17.25**
50	**20**	160.5	42.5	69.0	52.5	54.5	3.0	82.0	0.275	**21.75**
50	**25**	160.5	42.5	69.0	52.5	54.5	3.0	82.0	0.276	**21.75**
50	**32**	160.5	47.0	69.0	52.5	54.5	3.0	87.0	0.279	**21.75**
50	**40**	160.5	50.5	69.0	52.5	54.5	3.7	90.0	0.286	**21.75**
63	**20**	185.5	42.5	87.0	58.5	62.0	3.0	91.5	0.498	**24.02**
63	**25**	185.5	42.5	87.0	58.5	62.0	3.0	91.5	0.499	**24.02**
63	**32**	185.5	47.0	87.0	58.5	62.0	3.0	96.5	0.500	**24.02**
63	**40**	185.5	50.5	87.0	58.5	62.0	3.7	99.5	0.490	**24.02**
63	**50**	185.5	58.0	87.0	58.5	62.0	4.6	110.0	0.500	**24.02**
75	**50**	210.5	58.0	96.5	64.0	69.0	4.6	114.0	0.580	**34.36**
75	**63**	210.5	66.0	96.5	64.0	69.0	5.8	121.0	0.605	**34.36**
90	**50**	291.5	58.0	124.0	72.5	76.0	4.6	127.0	1.546	**42.83**
90	**63**	291.5	66.0	124.0	72.5	76.0	5.8	135.0	1.575	**42.83**
110	**63**	326.5	66.0	148.5	85.0	71.5	5.8	147.0	2.388	**68.61**
110	**90**	326.5	91.0	148.5	85.0	71.5	8.2	181.0	2.600	**68.61**
125	**63**	347.5	66.0	170.0	93.1	86.0	5.8	157.0	3.343	**86.40**
125	**90**	347.5	91.0	170.0	93.1	86.0	8.2	192.0	3.466	**86.40**
125	**110**	347.5	101.0	170.0	93.1	86.0	10.0	202.0	3.583	**86.40**
160	**63**	370.5	63.0	211.5	110.5	85.0	5.8	180.0	5.500	**160.04**
160	**90**	370.5	91.0	211.5	110.5	85.0	8.2	214.0	5.611	**160.04**
160	**110**	370.5	101.0	211.5	110.5	85.0	10.0	224.0	5.714	**160.04**
160	**125**	370.5	111.0	211.5	110.5	85.0	11.4	233.0	5.838	**160.04**

VINK

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

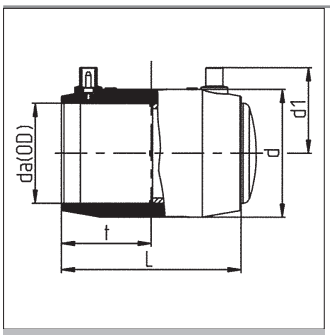


ARAM

REDUCTIES
REDUCTIONS
REDUCERS

Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

da/da1	L	d	d1	t	t1	SDR	KG/ST/PC	€/ST/PC
25/20	108.5	35.0	37.0	39.0	36.0	11	0.056	**9.12**
32/20	108.5	43.0	43.0	43.0	36.0	11	0.065	**9.90**
32/25	108.5	42.0	44.0	43.0	39.0	11	0.071	**9.90**
40/20	118.5	53.0	48.0	48.0	36.0	11	0.092	**11.39**
40/25	118.5	53.0	48.0	48.0	39.0	11	0.094	**11.39**
40/32	118.5	53.0	47.0	48.0	43.0	11	0.100	**12.64**
50/25	133.5	67.0	49.0	54.0	39.0	11	0.143	**15.81**
50/32	133.5	67.0	53.0	54.0	42.5	11	0.150	**15.81**
50/40	133.5	67.0	53.0	54.0	47.5	11	0.165	**17.30**
63/32	132.5	83.0	56.0	61.7	42.5	11	0.230	**20.63**
63/40	132.5	83.0	56.0	61.7	47.5	11	0.240	**20.63**
63/50	148.5	83.0	59.5	61.7	53.6	11	0.273	**20.63**
75/50	155.5	97.0	63.0	69.0	53.5	11	0.336	**27.16**
75/63	155.5	97.0	63.0	69.0	61.5	17-11	0.380	**27.95**
90/63	171.5	117.0	73.5	71.5	62.5	17-11	0.550	**32.26**
110/63	200.5	140.5	84.0	72.0	62.5	17-11	0.860	**52.59**
110/90	180.5	140.5	84.0	72.0	71.0	17-11	0.940	**52.59**
125/90	183.5	156.0	90.0	83.0	68.7	17-11	0.992	**64.60**
125/110	173.5	156.0	90.0	82.0	69.5	17-11	1.050	**64.60**
160/90	240.5	200.0	108.5	89.5	71.0	17-11	1.890	**91.76**
160/110	224.5	200.0	108.5	89.5	71.0	17-11	1.980	**94.06**
225/160	282.5	280.0	147.0	113.0	88.0	17-11	5.120	**213.49**



ACAM

EINDKAPPEN
BOUCHONS
END CAPS

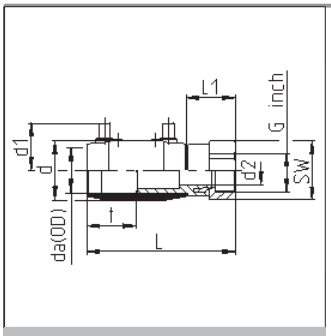
Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

da	L	d	d1	t	SDR	KG/ST/PC	€/ST/PC
20	73.5	30.0	37.0	36.0	7.4	0.04	**9.47**
25	79.5	35.0	39.0	40.0	11-7.4	0.05	**9.94**
32	86.5	42.0	43.0	43.0	11	0.07	**11.32**
40	97.5	53.0	44.0	48.0	17-11	0.11	**12.44**
50	108.5	66.5	53.0	54.0	17-11	0.20	**18.86**
63	124.5	83.0	59.0	62.0	17-11	0.35	**20.85**
75	139.5	97.0	65.5	68.5	17-11	0.50	**32.75**
90	138.5	112.0	72.0	68.0	17-11	0.73	**46.57**
110	149.5	136.0	83.0	74.0	17-11	1.23	**59.73**
125	169.5	155.0	91.0	83.5	17-11	1.88	**73.41**
140	180.0	180.0	99.0	88.5	17-11	2.40	**97.83**
160	180.0	197.0	107.5	88.0	17-11	2.92	**103.14**
180	199.5	221.0	119.0	97.5	26-11	4.18	**140.88**
200	215.5	245.0	127.0	105.0	17-11	5.32	**160.04**
225	229.0	275.0	142.0	112.0	17-11	7.20	**203.74**
250	238.0	310.0	155.0	116.5	26-11	9.84	**303.58**
280	249.0	346.0	180.0	121.5	26-11	12.66	**419.92**
315	260.0	386.0	187.0	127.5	26-11	17.06	**529.04**

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

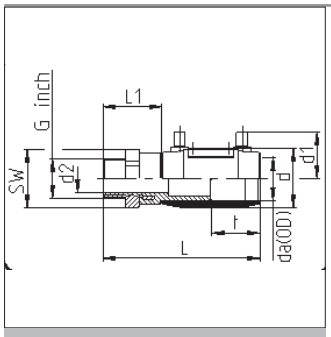


MAFM

OVERGANGSMOF, ELECTROLAS
MANCHON D'ADAPTATION, ELECTROSOUDABLE
ADAPTOR SOCKET, ELECTRO WELDING

Met messing binnendraad.
Avec filetage femelle, laiton.
With female thread brass.

da	G inch	L	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	111	37	30	34	12.0	32	37	18.63	20.96	11	0,13	**36.35**
25	3/4"	121	40	35	37	16.0	36	40	24.12	26.44	11	0,19	**39.85**
32	1"	133	44	42	40	21.0	41	44	30.29	33.25	11	0,24	**43.71**
40	1 1/4"	148	49	53	44	27.5	50	49	38.95	41.91	17-11	0,39	**57.66**
50	1 1/2"	167	56	67	49	33.5	60	55	44.85	47.80	17-11	0,69	**87.24**
63	2"	194	67	83	56	42.0	70	63	56.66	59.61	17-11	1.02	**118.37**



NAFM

OVERGANGSMOF, ELECTROLAS
MANCHON D'ADAPTATION, ELECTROSOUDABLE
ADAPTOR SOCKET, ELECTRO WELDING

Met messing buitendraad.
Avec filetage mâle, laiton.
With male thread brass.

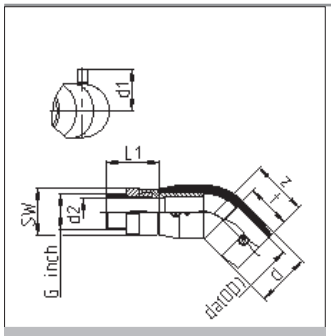
da	G inch	L	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	120	45	30	34	12.0	32	37	18.63	20.96	11	0,14	**36.83**
25	3/4"	127	46	35	37	16.0	36	40	24.12	26.44	11	0,18	**40.59**
32	1/2"	132	43	42	43	12.0	41	44	18.63	20.96	11	0.26	**50.09**
32	3/4"	133	44	42	43	16.0	41	44	24.12	26.44	11	0.25	**50.57**
32	1"	138	49	42	40	21.0	41	44	30.29	33.25	11	0,24	**51.24**
32	1 1/4"	138	49	42	43	21.0	46	44	38.95	41.91	11	0.39	**59.95**
32	1 1/2"	140	51	42	43	21.0	55	44	44.85	47.80	11	0.56	**72.39**
40	1"	147	48	53	47	21.0	50	49	30.29	33.25	17-11	0.38	**62.18**
40	1 1/4"	151	52	53	44	27.5	50	49	38.95	41.91	17-11	0,36	**62.75**
40	1 1/2"	151	52	53	47	28.0	55	49	44.85	47.80	17-11	0.49	**72.03**
40	2"	155	56	53	47	28.0	65	49	56.56	59.61	17-11	0.88	**96.32**
50	1"	159	48	67	53	21.0	60	55	30.29	33.25	17-11	0.62	**78.17**
50	1 1/4"	162	51	67	53	28.0	60	55	38.95	41.91	17-11	0.60	**81.08**
50	1 1/2"	166	55	67	49	33.5	60	55	44.85	47.80	17-11	0,53	**84.63**
50	2"	168	57	67	53	34.0	65	55	56.66	59.61	17-11	0.84	**93.26**
63	1 1/4"	179	52	83	60	28.0	70	63	38.95	41.91	17-11	0.92	**100.12**
63	1 1/2"	183	56	83	60	34.0	70	63	44.85	47.80	17-11	0.88	**100.44**
63	2"	189	62	83	56	42.0	70	63	56.66	59.61	17-11	0.83	**100.69**

VINK

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

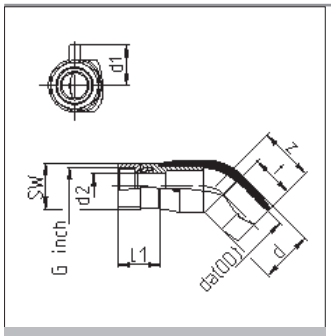


HMFM

OVERGANGSBOCHT 45°
COUDE D'ADAPTATION 45°
ADAPTOR ELBOW 45°

Met messing binnendraad.
Avec filetage femelle, laiton.
With female thread brass.

da	G inch	z	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	52	45	30	34	12.0	32	37	18.63	20.96	11	0.149	**47.30**
25	3/4"	52	46	35	37	16.0	36	40	24.12	26.44	11	0.180	**49.59**
32	1"	56	49	42	40	21.0	41	44	30.29	33.25	11	0.260	**54.01**
40	1 1/4"	63	52	53	44	27.5	50	49	38.95	41.91	17-11	0.400	**71.45**
50	1 1/2"	70	55	67	49	33.5	60	55	44.85	47.80	17-11	0.572	**101.86**
63	2"	82	62	83	56	42.0	70	63	56.66	59.61	17-11	0.903	**136.22**



HNFM

OVERGANGSBOCHT 45°
COUDE D'ADAPTATION 45°
ADAPTOR ELBOW 45°

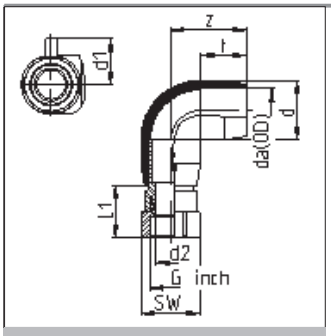
Met messing buitendraad.
Avec filetage mâle, laiton.
With male thread brass.

da	G inch	z	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	52	36	30	34	12.0	32	37	18.63	20.96	11	0.160	**47.81**
25	3/4"	52	40	35	37	16.0	36	40	24.12	26.44	11	0.202	**50.36**
32	1"	56	44	42	40	21.0	41	44	30.29	33.25	11	0.270	**61.55**
40	1 1/4"	63	49	53	44	27.5	50	49	38.95	41.91	17-11	0.430	**76.50**
50	1 1/2"	70	56	67	49	33.5	60	55	44.85	47.80	17-11	0.600	**94.35**
63	2"	82	67	83	56	42.0	70	63	56.66	59.61	17-11	1.150	**136.24**

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

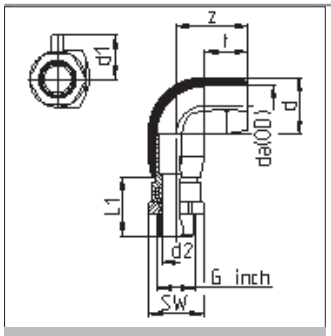


GMFS

OVERGANGSBOCHT 90°
COUDE D'ADAPTATION 90°
ADAPTOR ELBOW 90°

Met messing binnendraad.
Avec filetage femelle, laiton.
With female thread brass.

da	G inch	z	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	58	36	30	34	12.0	32	37	18.63	20.96	11	0.177	**47.31**
25	3/4"	61	40	35	37	16.0	36	40	24.12	26.44	11	0.215	**49.59**
32	1"	65	44	42	40	21.0	41	44	30.29	33.25	11	0.276	**54.01**
40	1 1/4"	75	49	53	44	27,5	50	49	38.95	41.91	17-11	0.427	**71.45**
50	1 1/2"	85	56	67	49	33,5	60	55	44.85	47.80	17-11	0.775	**101.86**
63	2"	100	67	83	56	42.0	70	63	56.66	59.61	17-11	0.900	**136.24**

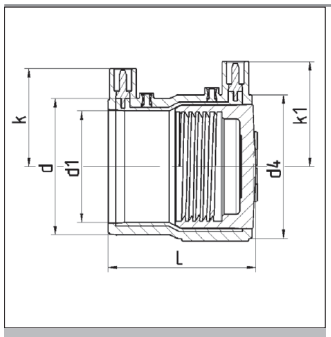


GNFM

OVERGANGSBOCHT 90°
COUDE D'ADAPTATION 90°
ADAPTOR ELBOW 90°

Met messing buitendraad.
Avec filetage mâle, laiton.
With male thread brass.

da	G inch	z	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	58	45	30	34	12.0	32	37	18.63	20.96	11	0.155	**47.81**
25	3/4"	61	46	35	37	16.0	36	40	24.12	26.44	11	0.196	**50.39**
32	1"	65	49	42	40	21.0	41	44	30.29	33.25	11	0.265	**61.55**
40	1 1/4"	75	52	53	44	27,5	50	49	38.95	41.91	17-11	0.412	**76.50**
50	1 1/2"	85	55	67	49	33,5	60	55	44.85	47.80	17-11	0.617	**107.62**
63	2"	100	62	83	56	42.0	70	63	56.66	59.61	17-11	0.966	**118.54**



E-SCHROEFKAP VOOR ELECTROLAS
E-BOUCHON FILETE POUR MANCHON ELECTRO-SOUDABLE
E-SCREW CAP FOR ELECTRO WELDING SLEEVES

Voor aanboorzadels
Pour colliers de prise en charge
For clamp saddles

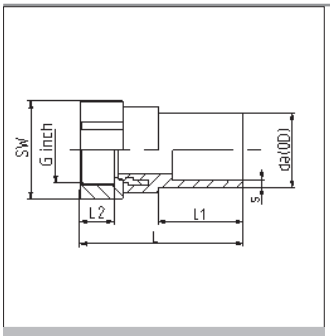
da	L	d	d1	d4	k	k1	SDR	KG/ST/PC	€/ST/PC
63	75.5	70.2	56	74.5	52	56	11	0.11	**16.26**
90-315	83.0	78.0	64	82.6	56	60	11	0.20	**16.26**

VINK

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

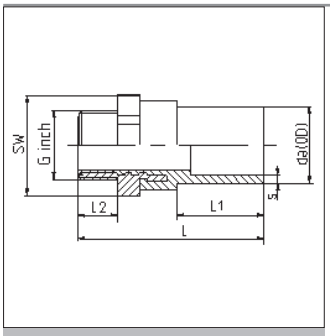


MDFM

OVERGANGSTUK VOOR ELECTROLASMOF
PIECE D'ADAPTATION POUR MANCHON ELECTRO-SOUDABLE
TRANSITION ADAPTOR FOR ELECTRO WELDING SLEEVES

Met messing binnendraad.
Avec filetage femelle, laiton.
With female thread brass.

da	G inch	S	L	L1	L2	SW	K	E	SDR	KG/STPC	€/ST/PC
20	1/2"	3.0	76	40	27	32	18.63	20.96	11	0.127	**24.84**
25	3/4"	3.0	80	43	28	36	24.12	26.44	11	0.151	**26.79**
32	1"	3.0	88	46	34	41	30.29	33.25	11	0.197	**29.71**
40	1 1/4"	3.7	98	51	36	50	38.95	41.91	17-11	0.295	**41.56**
50	1 1/2"	4.6	110	57	43	60	44.85	47.80	17-11	0.525	**62.50**
63	2"	5.8	129	65	52	70	56.66	59.61	17-11	0.768	**89.14**



NDFM

OVERGANGSTUK VOOR ELECTROLASMOF
PIECE D'ADAPTATION POUR MANCHON ELECTRO-SOUDABLE
TRANSITION ADAPTOR FOR ELECTRO WELDING SLEEVES

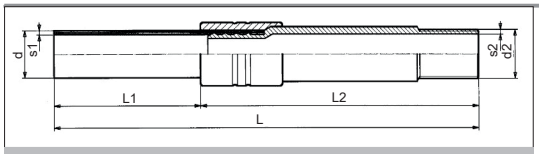
Met messing buitendraad.
Avec filetage mâle, laiton.
With male thread brass.

da	G inch	s	L	L1	L2	SW	K	E	SDR	KG/ST/PC	€/ST/PC
20	1/2"	3.0	81	40	16	32	18.63	20.96	11	0,103	**25.21**
25	3/4"	3.0	85	43	16	36	24.12	26.44	11	0,133	**27.44**
32	1/2"	3.0	88	46	16.5	41	18.63	20.96	11	0.195	**35.65**
32	3/4"	3.0	90	46	18.0	41	24.12	26.44	11	0.187	**35.86**
32	1"	3.0	92	46	19.0	41	30.29	33.25	11	0,185	**36.30**
32	1 1/4"	3.0	95	46	23.0	41	38.95	41.91	11	0.300	**44.13**
32	1 1/2"	3.0	97	46	25.0	41	44.85	47.80	11	0.480	**55.03**
40	1"	3.7	99	51	21.0	50	30.29	33.25	11	0.290	**45.35**
40	1 1/4"	3.7	100	51	21.0	50	38.95	41.91	17-11	0,269	**45.98**
40	1 1/2"	3.7	103	51	25.0	50	44.85	47.80	17-11	0.400	**54.24**
40	2"	3.7	107	51	29.0	50	56.66	59.61	11	0.760	**76.80**
50	1"	4.6	105	57	21.0	60	30.29	33.25	11	0.440	**52.20**
50	1 1/4"	4.6	108	57	22.0	60	38.59	41.91	11	0.427	**53.78**
50	1 1/2"	4.6	109	57	24.8	60	44.85	47.80	17-11	0,380	**56.64**
50	2"	4.6	114	57	29.0	60	56.66	59.61	11	0.680	**64.78**
63	1 1/4"	5.8	117	65	21.0	70	38.95	41.91	11	0.634	**73.06**
63	1 1/2"	5.8	121	65	25.0	70	44.85	47.80	11	0.570	**73.33**
63	2"	5.8	124	65	27.0	70	56.66	59.61	17-11	0.573	**73.61**

Eveneens leverbaar MDFM en NDFM met staal
Aussi livrable MDFM et NDFM avec acier
Also available MDFM and NDFM with steel
20 x 1/2" 25 x 3/4" 32 x 1" 40 x 1 1/4" 50 x 1 1/2" 63 x 2"

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC



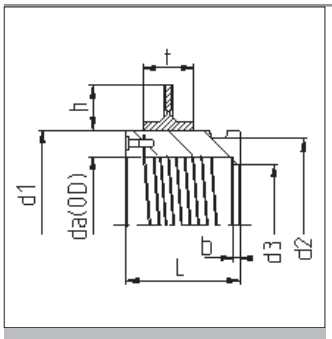
USTR (no Agru)

OVERGANGSSTUK PE/STAAL 1.8723/L245 (ISO 3183)
ADAPTEUR DES SOUDAGE PE/ACIER 1.8723/L245 (ISO 3183)
WELDING ADAPTOR PE/STEEL 1.8723/L245 (ISO 3183)

Zonder draad / sans fil / without thread - Coating Plascoat PPA571

d	d2	L	L1	L2	s1	s2	SDR	KG/ ST/PC	€/ ST/PC
25	27.5	495	160	335	3.0	2.6	11	0.7	**88.06**
32	33.7	495	160	335	3.0	3.2	11	1.0	**99.56**
40	42.4	495	160	335	3.7	3.2	11	1.3	**113.49**
50	48.3	495	160	335	4.6	3.2	11	1.5	**122.77**
63	60.3	520	185	335	5.8	3.6	11	2.4	**143.59**
75	76.0	525	190	335	6.8	3.6	11	3.4	**315.05**
90	88.9	525	190	335	8.2	4.0	11	4.0	**454.08**
110	114.3	525	190	335	10.0	4.5	11	6.2	**548.98**
125	114.3	525	190	335	11.4	4.5	11	6.6	**648.68**
140	139.7	600	200	400	12.7	5.0	11	10.5	**764.46**
160	168.3	650	200	450	14.6	5.0	11	13.4	**827.04**
180	168.3	650	200	450	16.4	5.0	11	13.8	**1130.44**
200	219.1	700	200	500	18.2	5.6	11	21.9	**1199.99**
225	219.1	700	200	500	20.5	5.6	11	23.5	**1234.82**
250	273.0	880	300	580	22.7	6.3	11	32.7	**2005.73**
280	273.0	880	300	580	25.4	6.3	11	39.2	**2953.03**
315	323.9	930	350	580	28.6	8.0	11	60.4	**3281.13**
355	323.9	930	350	580	32.3	8.0	11	63.5	*
400	406.4	950	350	600	36.4	8.0	11	106.1	*
450	406.4	950	350	600	40.9	8.0	11	120.8	*
500	508.0	950	350	600	45.5	8.0	11	147.5	*
560	508.0	950	350	600	50.9	8.0	11	162.4	*
630	610.0	950	350	600	57.3	8.0	11	192.5	*

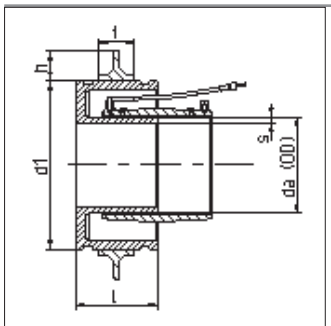
* op aanvraag / sur demande / on request



SCHACHTAANSLUITING - SAM VOOR ELECTROLASMOF
MANCHON RACCORD AU PUIT - SAM - ELECTRO-SOUDABLE
CONCRETE CONNECTION SOCKET - SAM FOR ELECTRO WELDING SLEEVES

Met muurkraag / Avec collet mural / With assembled puddle frange

da	L	d1	d3	h	t	SDR	KG/ST/PC	€/ST/PC
160	135	197	151	50.0	60	33-11	2.14	**227.44**
225	135	272	212	50.0	60	33-11	3.38	**283.05**
280	135	345	264	50.0	60	33-11	5.20	**349.08**
355	135	440	338	37.5	75	33-11	8.60	**496.09**
450	135	494	430	37.5	75	33-11	6.20	**551.73**
560	135	620	540	37.5	75	33-11	10.60	**694.17**



TYPE 2

SCHACHTAANSLUITING - TYPE 2
MANCHON RACCORD AU PUIT - TYPE 2
CONCRETE CONNECTION SOCKET - TYPE 2

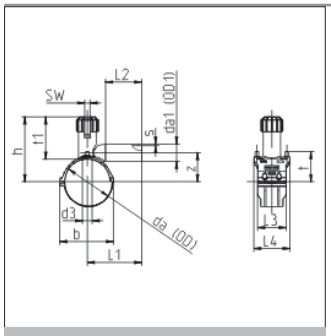
Met muurkraag gemonteerd / Avec collet mural monté / With assembled puddle frange

da	L	d1	s	h	t	SDR	KG/ST/PC	€/ST/PC
110	135	216	6.6	50	60	33-17	3.600	**322.77**
125	135	216	7.4	50	60	33-17	4.460	**373.88**
160	135	280	9.5	50	60	33-17	5.600	**400.88**
180	135	310	10.7	50	60	33-17	7.600	**458.95**
200	135	312	11.9	50	60	33-17	6.338	**467.22**
225	135	355	13.4	50	60	33-17	9.400	**627.55**
250	135	375	14.8	37.5	75	33-17	11.200	**693.85**
280	135	420	16.6	37.5	75	33-17	12.125	**881.03**
315	135	460	18.7	37.5	75	33-17	17.900	**1018.34**
355	135	480	21.1	37.5	75	33-17	18.001	**1099.58**
400	135	550	23.7	37.5	75	33-17	26.400	**1337.46**

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC



278

AANBOORZADEL MET SCHROEFKAP - TYPE 278
COLLIER DE PRISE EN CHARGE AVEC BOUCHON DE FILETE - TYPE 278
TAPPING SADDLE WITH SCREW CAP - TYPE 278

Gasdicht / étanche / gastight

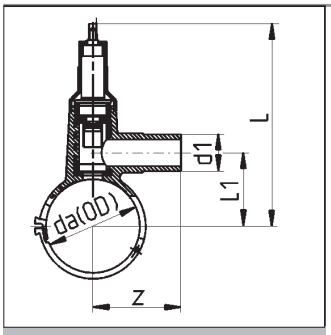
da/da1	s	z	L1	L2	L3	d3	h	b	SW	t	t1	KG/ST/PC	€/ST/PC
40/20	3.0	36.0	100	78	70	16	103.0	71.5	10	45.5	82.0	0.173	**52.62**
* **40/25**	3.0	36.0	110	89	70	16	103.0	71.5	10	45.5	82.0	0.108	**52.62**
40/32	3.0	36.0	120	92	70	16	103.0	71.5	10	45.5	82.0	0.189	**52.62**
63/20	3.0	60.0	120	78	102	26	169.5	99.0	10	59.5	138.0	0.560	**61.74**
63/25	3.0	58.0	120	89	102	26	169.5	99.0	10	59.5	138.0	0.560	**61.74**
63/32	3.0	57.0	129	92	102	26	169.5	99.0	10	59.5	138.0	0.560	**61.74**
* **63/40**	3.7	58.5	141	102	102	26	169.5	99.0	10	59.5	138.0	0.580	**68.54**
63/63	5.8	60.0	178	130	102	26	169.5	99.0	10	59.5	138.0	0.690	**68.54**
* **90/20**	3.0	67.0	120	78	103	32	196.5	128.0	17	73.0	151.5	0.734	**67.75**
* **90/25**	3.0	67.0	125	89	103	32	196.5	128.0	17	73.0	152.0	0.741	**67.75**
90/32	3.0	67.0	130	92	103	32	196.5	128.0	17	73.0	152.0	0.785	**67.75**
* **90/40**	3.7	67.0	150	130	103	32	196.5	128.0	17	73.0	152.0	0.772	**74.36**
90/63	5.8	67.0	184	130	103	32	196.5	128.0	17	73.0	152.0	0.885	**74.36**
110/20	3.0	76.0	120	78	103	32	206.5	149.0	17	83.0	152.0	0.812	**76.37**
110/25	3.0	76.0	125	89	103	32	206.5	149.0	17	83.0	152.0	0.800	**76.37**
110/32	3.0	76.0	131	95	103	32	206.5	149.0	17	83.0	152.0	0.800	**76.37**
110/40	3.7	76.0	151	102	103	32	206.5	149.0	17	83.0	152.0	0.834	**81.20**
110/63	5.8	82.5	185	130	103	32	206.5	149.0	17	83.0	152.0	0.945	**81.20**
* **125/20**	3.0	82.0	120	78	103	32	214.0	166.0	17	91.0	152.0	0.810	**88.71**
125/25	3.0	82.0	125	89	103	32	214.0	166.0	17	91.0	152.0	0.808	**88.71**
125/32	3.0	82.0	131	95	103	32	214.0	166.0	17	91.0	152.0	0.820	**88.71**
* **125/40**	3.7	82.0	151	102	103	32	214.0	166.0	17	91.0	152.0	0.850	**94.44**
125/63	5.8	82.0	185	130	103	32	214.0	166.0	17	91.0	152.0	0.980	**94.44**
* **160/20**	3.0	98.5	121	78	103	32	231.5	204.0	17	108.0	152.0	0.850	**115.16**
* **160/25**	3.0	99.0	125	89	103	32	231.5	204.0	17	108.0	152.0	0.504	**115.16**
160/32	3.0	99.0	130	92	103	32	231.5	204.0	17	108.0	152.0	0.890	**115.16**
* **160/40**	3.7	103.5	148	102	103	32	231.5	204.0	17	108.0	152.0	0.930	**125.71**
160/63	5.8	102.5	198	130	103	32	231.5	204.0	17	108.0	152.0	1.058	**125.71**
** **180/25**	3.0	115.0	125	89	102	32	241.5	220.0	17	121.0	152.0	0.940	**141.93**
180/32	3.0	115.0	130	95	102	32	241.5	220.0	17	121.0	152.0	0.933	**141.93**
180/63	5.8	115.0	198	130	103	32	241.5	220.0	17	121.0	152.0	1.070	**141.93**
** **200/20**	3.0	116.0	120	78	102	32	251.5	253.0	17	128.0	152.0	0.990	**162.51**
** **200/25**	3.0	117.0	125	89	102	32	251.5	253.0	17	128.0	152.0	0.600	**162.51**
200/32	3.0	118.0	130	95	102	32	251.5	253.0	17	128.0	152.0	1.000	**162.51**
** **200/40**	3.7	118.0	158	102	102	32	251.5	253.0	17	128.0	152.0	1.040	**165.11**
200/63	5.8	122.0	198	130	102	32	251.5	253.0	17	128.0	152.0	1.120	**165.11**
** **225/25**	3.0	138.5	125	89	102	32	297.0	275.0	17	140.5	184.0	1.170	**175.59**
225/32	3.0	138.5	130	92	102	32	297.0	275.0	17	140.5	184.0	1.170	**175.59**
225/63	5.8	138.5	207	130	102	32	297.0	275.0	17	140.5	184.0	1.300	**187.18**
** **250/32**	3.0	151.0	130	92	102	32	297.0	265.5	17	155.0	184.5	1.110	**238.05**
250/63	5.8	151.0	207	130	102	32	297.0	265.5	17	140.5	184.0	1.330	**238.05**
315/63	5.8	181.5	215	130	104	32	342.0	390.0	17	185.0	184.0	1.350	**255.01**

* min. 1000 st/pc
** min. 500 st/pc

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC



079

AANBOORZADEL MET VENTIEL - TYPE 079
COLLIER DE PRISE EN CHARGE AVECROBINET - TYPE 079
TAPPING SADDLE - TYPE 079

Met geïntegreerd messing ventiel en snijschroef.
A robinet en laiton et perforateur.
Brass valve integrated cutter.

da/da1	L1	L	z	KG/ST/PC	€/ST/PC
63/32	131.0	163	65.3	1.548	**354.91**
63/40	140.0	163	65.3	1.660	**354.91**
63/50	160.5	163	65.3	1.647	**363.75**
63/63	187.0	163	65.3	1.770	**363.75**
90/32	135.0	203	79.0	2.420	**366.52**
90/40	145.0	203	79.0	2.440	**366.52**
90/50	161.0	203	79.0	2.500	**376.60**
90/63	192.0	203	79.0	2.519	**376.60**
110/32	137.0	203	87.0	2.460	**377.44**
110/40	147.0	203	87.0	2.498	**377.44**
110/50	160.0	203	87.0	2.497	**381.19**
110/63	192.6	203	87.0	2.588	**381.19**
125/32	137.0	203	95.9	2.490	**384.23**
125/40	147.0	203	95.9	2.491	**384.23**
125/50	161.0	203	95.9	2.520	**388.66**
125/63	192.0	203	95.9	2.610	**388.66**
140/32	137.0	203	103.5	2.460	**386.43**
140/40	147.0	203	103.5	2.500	**386.43**
140/50	161.0	203	103.5	2.520	**388.43**
140/63	192.0	203	103.5	2.600	**390.24**
160/32	137.0	203	113.2	2.550	**394.44**
160/40	147.0	203	113.2	2.560	**394.44**
160/50	161.0	203	113.2	2.600	**399.17**
160/63	189.0	203	113.2	2.680	**399.17**
180/32	137.0	203	124.0	2.644	**425.22**
180/40	147.0	203	124.0	2.623	**425.22**
180/50	161.0	203	124.0	2.689	**435.89**
180/63	189.0	203	124.0	2.772	**435.89**
200/32	137.0	203	134.0	2.502	**436.62**
200/40	146.0	203	134.0	2.500	**436.62**
200/50	159.0	203	134.0	2.550	**439.06**
200/63	191.0	203	134.0	2.620	**439.06**
225/32	137.0	203	147.6	2.550	**503.89**
225/40	147.0	203	147.6	2.553	**503.89**
225/50	160.0	203	147.6	2.600	**516.53**
225/63	192.0	203	147.6	2.700	**516.53**
250/63	224.5	203	169.6	2.495	**544.51**
315/63	192.0	203	203.6	2.800	**565.11**
355/63	192.0	203	203.0	2.800	**565.11**

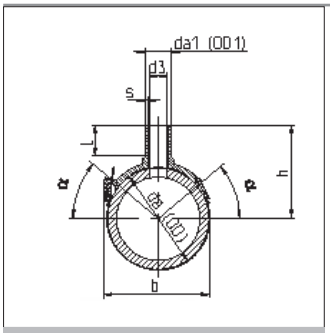
Voor het bedienen van ventiel is een installatie kit vereist.
Pour actionner la vanne de dérivation, une kit d'installation est nécessaire.
For operating the pressure tapping valve an installation kit is required.

VINK

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC



288

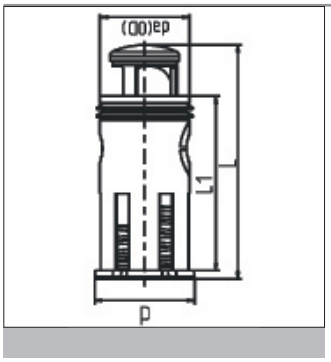
AANBOORZADEL - TYPE 288
COLLIER DE PRISE EN CHARGE - TYPE 288
SPIGOT SADDLE - TYPE 288

da/da1	h	d3	b	s	alph(°)	L	KG/ST/PC	€/ST/PC
90/ 20	130.0	12	120.0	3.0	0	56	0.179	**94.11**
90/ 32	130.0	24	120.0	3.0	0	60	0.180	**94.34**
90/ 40	130.0	32	120.0	3.7	0	64	0.350	**94.34**
90/ 63	141.5	45	120.0	5.8	0	77	0.260	**96.34**
110/ 20	138.5	12	143.5	3.0	0	56	0.204	**94.77**
110/ 32	138.5	24	143.5	3.0	0	60	0.210	**95.02**
110/ 40	138.5	31	143.5	3.7	0	64	0.220	**95.02**
110/ 63	153.5	45	143.5	5.8	0	77	0.305	**97.44**
125/ 20	145.5	12	155.0	3.0	0	56	0.224	**123.25**
125/ 32	145.5	24	155.0	3.0	0	60	0.229	**123.53**
125/ 40	145.5	32	155.0	3.7	0	64	0.236	**123.53**
125/ 63	158.5	45	155.0	5.8	0	77	0.323	**146.55**
140/ 20	145.5	12	170.0	3.0	0	56	0.224	**123.69**
140/ 32	145.5	24	170.0	3.0	0	60	0.350	**123.69**
140/ 40	145.5	32	170.0	3.7	0	64	0.367	**123.69**
140/ 63	166.0	45	170.0	5.8	0	77	0.323	**147.23**
160/ 32	168.0	24	193.5	3.0	0	60	0.444	**113.77**
160/ 40	168.0	31	193.5	3.7	0	64	0.428	**113.87**
160/ 50	184.0	36	193.5	4.6	0	71	0.487	**116.13**
160/ 63	184.0	45	193.5	5.8	0	77	0.510	**115.23**
160/ 90	202.0	65	196.5	8.2	0	92	0.881	**140.45**
160/110	202.0	84	196.5	10.0	0	98	0.949	**141.58**
180/ 32	177.0	24	214.5	3.0	0	60	0.472	**115.65**
180/ 40	177.0	31	214.5	3.7	0	64	0.481	**115.81**
180/ 50	193.0	36	214.5	4.6	0	71	0.565	**116.33**
180/ 63	193.0	45	214.5	5.8	0	77	0.589	**116.72**
180/ 90	216.0	65	216.5	8.2	0	92	1.005	**142.24**
180/110	216.0	84	216.5	10.0	0	98	1.095	**143.28**
200/ 20	181.0	12	230.0	3.0	40	56	0.269	**128.86**
200/ 32	185.0	24	230.0	3.0	40	60	0.272	**128.86**
200/ 40	189.0	32	230.0	3.7	40	64	0.278	**128.86**
200/ 63	202.0	45	230.0	5.8	40	77	0.519	**134.18**
225/ 32	203.0	24	244.5	3.0	0	60	0.464	**137.04**
225/ 40	203.0	31	244.5	3.7	0	64	0.470	**136.50**
225/ 50	219.0	36	244.5	4.6	40	71	0.530	**137.69**
225/ 63	219.0	45	244.5	5.8	40	77	0.555	**138.08**
225/ 90	237.0	65	244.5	8.2	30	92	0.942	**155.54**
225/110	237.0	84	244.5	10.0	30	97	1.018	**156.82**
250/ 50	231.0	36	242.0	4.6	40	72	0.376	**147.35**
250/ 63	231.0	45	266.0	5.8	40	77	0.550	**147.35**
250/ 75	251.0	55	266.0	6.8	30	86	0.731	**167.85**
250/ 90	251.0	65	266.0	8.2	30	92	0.991	**167.85**
250/110	251.0	84	266.0	10.0	30	98	1.068	**169.04**
280/ 50	231.0	45	305.0	4.6	40	72	0.376	**147.98**
280/ 63	231.0	45	305.0	5.8	40	77	0.550	**147.98**
280/ 90	251.0	65	305.0	8.2	30	92	1.038	**202.60**
280/110	251.0	84	305.0	10.0	30	98	1.068	**204.09**
315/ 63	266.0	45	294.0	5.8	40	77	0.619	**148.44**
315/ 90	285.0	65	326.5	8.2	30	92	1.059	**169.64**
315/110	285.0	84	326.5	10.0	30	98	1.185	**170.94**
355/ 63	266.0	45	294.0	5.8	40	77	0.619	**192.14**
355/ 90	285.0	65	326.5	8.2	30	92	1.060	**227.91**
355/110	285.0	84	326.5	10.0	30	98	1.190	**236.80**

Onderste deel : schroefbaar
Partie inf. : vissable
Bottom part: screwable

electrolasfittings met geïntegreerde lasmof - AGRU GAS-LOCK
raccords en PEHD avec manchon électrique integré - AGRU GAS-LOCK
electrofusion fittings with integrated sockets - AGRU GAS-LOCK

PE 100 RC



AGRU GAS-LOCK

Het veiligheidstoestel voor gasaftakleidingen / huisaansluitingen.
Stopt onmiddellijk gaslekkages wanneer een vertakte gasleiding beschadigd raakt tijdens bouwwerkzaamheden. De overstroom gasklep kan worden geïntegreerd in PE100RC-zadelfittingen. Ze bestaan uit een PPA / PA6T / 6I behuizing met een RVS veer en een NBR rubberen afdichting. Zodra het lek is hersteld en er tegendruk is uitgeoefend, gaat de klep automatisch weer open. Het doorstroomventiel wordt geleverd met een traceerbaarheidssticker.
Uitsluitend compatibel met AGRU aanboorzadels type 278 en 079.

Le dispositif de sécurité pour les conduites de branchement de gaz / les raccordements domestiques.
Arrête immédiatement les fuites de gaz lorsqu'un tuyau de gaz ramifié est endommagé pendant les travaux de construction. La vanne d'excès de gaz peut être intégrée aux raccords de selle PE100R. Ils se composent d'un boîtier enPPA / PA6T / 6I avec un ressort en acier inoxydable et un joint de NBR. Une fois la fuite réparée et la contre-pression appliquée, la vanne se rouvre automatiquement. Le limiteur de débit est fourni avec un autocollant de traçabilité. Uniquement compatible avec les colliers de prise en charge AGRU type 278 et 079.

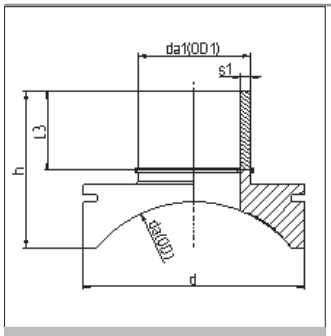
The safetydevice for gas branch pipes/house connections.
Immediately stops gas leaks when a branched gas pipe is damaged during construction works. The excess gas flow valve can be integrated to PE100RC saddle fittings. They consist of a PPA/PA6T/6I housing with a stainless steel spring and a NBR seal. Once the leak is repaired and counter pressure is applied the valve automatically reopens. The excess flow valve is supplied with traceability sticker. Only compatible with AGRU spigot saddles type 278 and 079.

D (OD mm)	L2 mm	L3 mm	d3 mm	d mm	gewicht/poids weight (kg)	druk/pression pressure (bar)	nom. debiet/débit nom. flow V_n (m³/h)	min. afsluit debiet débit min.fermeture min. shut of flow (m³/h)	min. afsluit debiet débit min. fermeture min. shut of flow @ 1 bar (m³/h)	min. afsluit debiet débit min. fermeture min. shut of flow @ 4 bar (m³/h)
20	52.2	40.2	12.9	17.0	0.01	1.0-5.0	25	40	50	90
32	65.5	48.6	24.8	27.8	0.02	1.0-5.0	100	160	200	360

agru

electrolasfittings met geïntegreerde lasmof - AGRULINE
raccords en PEHD avec manchon électrique integré - AGRULINE
electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC



289

AANBOORZADEL, TYPE TOPLOAD - 289
COLLIER DE PRISE EN CHARGE, TYPE TOPLOAD - 289
SPIGOT SADDLE, TYPE TOPLOAD - 289

SDR 11, ISO S-5

da/da1	MOP	h	d	s1	L3	KG/ST/PC
355/ 90	16	176	200	8.2	94	1.080
400/110	16	189	250	10.0	97	2.180
400/250	16	327	450	22.7	144	13.450
450/110	16	186	250	10.0	97	1.880
450/125	16	199	280	11.4	102	3.300
500/ 63	16	152	200	5.8	78	1.067
500/160	16	229	315	14.6	113	4.800
500/200	16	272	400	18.2	127	8.400
560/ 90	16	166	200	8.2	94	1.065
560/110	16	179	250	10.0	97	1.807
560/160	16	223	315	14.6	113	4.380
560/180	16	244	355	16.4	120	4.504
560/225	16	255	400	20.5	135	8.840
560/280	16	328	500	25.4	154	13.220
630/ 63	16	150	200	5.8	78	0.970
630/110	16	176	250	10.0	97	1.980
630/160	16	219	315	14.6	113	4.280
630/200	16	258	400	18.2	127	7.920
630/280	16	303	500	25.4	154	12.410
630/315	16	346	560	28.6	165	21.000
710/160	16	214	315	14.6	113	4.160
710/225	16	257	400	20.5	135	8.000
800/ 63	16	146	200	5.8	78	0.918
800/125	16	181	280	11.4	102	2.510
800/160	16	211	315	14.6	113	4.100
800/225	16	252	400	20.5	135	7.800
800/250	16	276	450	22.7	144	10.500
900/280	16	277	500	25.4	154	10.759
1000/225	16	253	400	20.5	165	8.760
1000/315	16	318	560	28.6	165	19.800
1000/355	16	355	560	32.2	179	27.200
1200/315	16	336	560	28.6	165	15.300
1200/355	16	341	630	32.2	179	20.053
1400/110	16	164	250	10.0	97	2.640
1400/400	16	332	630	36.3	194	21.464
1600/450	8	446	710	40.9	210	30.196

SDR 17, ISO S-8

da/da1	MOP	h	d	s1	L3	KG/ST/PC
1800/500	5	462	800	29.7	227	35.967
2000/560	5	477	900	33.2	250	50.628
2250/630	5	490	1000	37.4	270	70.885
2500/710	5	513	1120	42.1	270	94.927

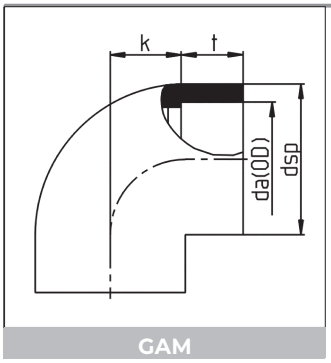
prijzen op aanvraag / prix sur demande / prices on request

Een installatie kit vereist.
Une kit d'installation est nécessaire.
An installation kit is required.

agru

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

PE 100



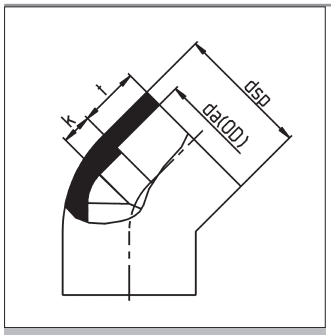
GAM

KNIEEN 90°
COUDES A 90°
ELBOWS 90°

PN 16

Gespoten
Injectés
Moulded

da	dsp	K	t	KG/ST/PC	€/ST/PC
20	29.3	14	16.0	0.02	**3.32**
25	35.1	17	18.0	0.03	**3.98**
32	43.2	20	19.5	0.05	**4.88**
40	53.3	25	21.5	0.08	**6.14**
50	65.0	28	25.0	0.14	**11.39**
63	81.5	35	30.5	0.26	**14.81**
75	92.0	38	33.0	0.33	**31.31**
90	112.5	49	36.5	0.58	**39.32**
110	133.0	57	43.0	0.87	**59.36**



HAM

KNIEEN 45°
COUDES A 45°
ELBOWS 45°

PN 16

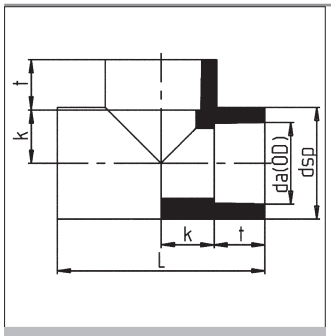
Gespoten
Injectés
Moulded

D	dsp	K	t	KG/ST/PC	€/ST/PC
20	29	11.0	16.0	0.02	**3.98**
25	35	14.0	18.0	0.03	**4.76**
32	43	17.0	20.0	0.04	**5.34**
40	53	21.0	22.0	0.07	**6.88**
50	65	26.0	24.0	0.11	**9.57**
63	81	33.0	29.0	0.19	**12.25**
75	92	38.5	32.5	0.24	**27.00**
90	113	46.0	36.0	0.46	**37.81**
110	135	56.0	43.0	0.68	**56.10**

agru

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

PE 100



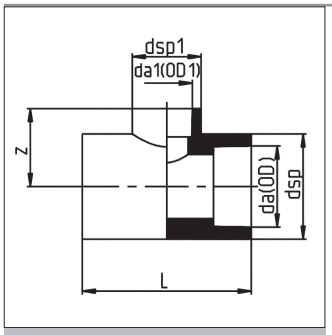
TAM

T-STUKKEN 90°
TES A 90°
TEES 90°

PN 16

Gespoten
Injectés
Moulded

da	dsp	L	K	t	KG/ST/PC	€/ST/PC
20	29.1	60.0	14.0	16.0	0.03	**3.85**
25	35.2	70.0	17.0	18.0	0.05	**4.32**
32	43.0	80.0	20.0	20.0	0.07	**5.31**
40	53.0	92.0	24.0	22.0	0.11	**6.53**
50	65.0	107.5	30.0	24.5	0.18	**11.00**
63	81.0	128.5	35.5	29.0	0.31	**15.85**
75	93.0	152.0	38.5	32.5	0.48	**32.93**
90	114.0	184.0	55.0	37.0	0.85	**52.52**
110	134.0	206.0	57.0	43.0	1.14	**70.18**



TRAM

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

PN 16

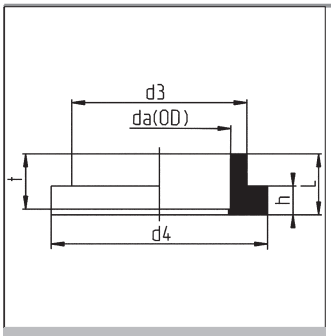
Gespoten
Injectés
Moulded

da x da1	dsp	dsp1	L	z	KG/ST/PC	€/ST/PC
25 x 20	34.8	29.9	68.5	31.9	0.05	**5.09**
32 x 20	43.0	29.9	79.7	39.8	0.07	**6.25**
32 x 25	43.0	35.0	80.0	40.0	0.07	**6.25**
40 x 20	53.0	30.0	91.0	46.0	0.10	**7.15**
40 x 25	53.2	35.3	92.0	46.8	0.10	**7.15**
40 x 32	53.0	43.0	91.0	45.0	0.11	**7.15**
50 x 20	65.4	30.0	110.0	50.0	0.17	**11.51**
50 x 25	65.5	35.5	109.0	51.0	0.17	**11.51**
50 x 32	65.0	43.0	108.0	54.0	0.17	**11.51**
50 x 40	65.0	53.0	107.0	52.5	0.17	**11.51**
63 x 25	80.0	36.0	128.5	65.0	0.28	**16.86**
63 x 32	81.0	43.5	129.5	65.0	0.29	**16.86**
63 x 40	81.0	53.0	129.5	65.0	0.29	**16.86**
63 x 50	81.0	66.0	129.5	65.0	0.30	**16.86**

agru

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

PE 100



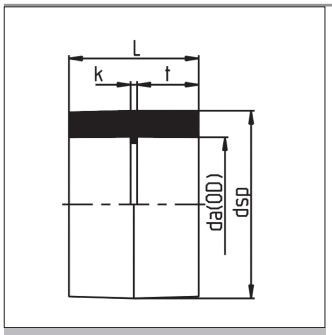
QAM

KRAAGBUSSEN VLAK
COLLETS A JOINT PLAT
FLAT-SEATED STUBS

PN 16

Gespoten. Flenzen zie hoofdstuk flenzen. Dichtingen zie hoofdstuk toebehoren.
Injectés. Brides voir chapitre brides.Joints voir chapitre accessoires.
Moulded. Flanges, see chapter flanges. Gaskets see chapter accessories.

da	d3	d4	h	L	t	KG/ST/PC	€/ST/PC
20	27	45	10.0	21.0	16.0	0.01	**3.49**
25	33	58	10.0	23.0	18.0	0.02	**3.70**
32	41	68	10.0	23.5	19.0	0.04	**4.15**
40	50	78	10.5	26.0	21.5	0.05	**5.09**
50	61	88	13.0	29.0	24.0	0.06	**6.41**
63	76	102	14.0	32.5	28.0	0.09	**7.88**
75	90	122	16.0	38.0	32.0	0.16	**12.06**
90	108	138	17.0	42.0	37.0	0.21	**23.57**
110	131	158	18.0	47.0	42.0	0.30	**34.98**



MAM

SOKKEN
MANCHONS
SOCKETS

PN 16

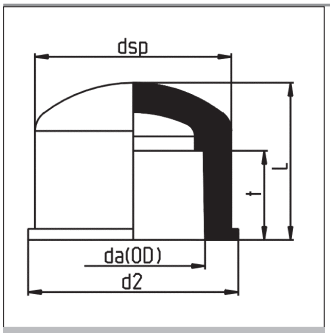
Gespoten
Injectés
Moulded

da	dsp	k	t	L	KG/ST/PC	€/ST/PC
20	29.4	3.0	16.0	35.0	0.01	**2.47**
25	35.1	3.0	18.0	39.0	0.02	**2.56**
32	43.2	3.0	20.0	43.0	0.03	**3.34**
40	51.0	6.0	21.0	47.0	0.04	**4.32**
50	64.4	4.5	24.0	52.5	0.07	**6.66**
63	81.0	4.5	28.0	60.5	0.11	**9.07**
75	92.5	3.0	33.5	70.0	0.15	**12.76**
90	115.0	6.0	36.0	78.5	0.30	**18.16**
110	133.5	6.0	42.0	92.0	0.40	**32.40**

agru

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

PE 100



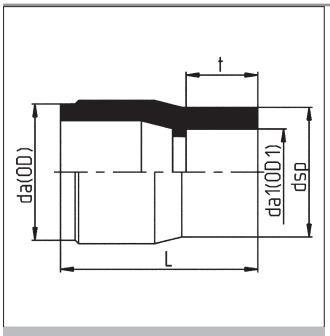
CAM

AFSLUITKAPPEN
BOUCHONS FEMELLES
END CAPS

PN 16

Gespoten
Injectés
Moulded

da	dsp	d2	L	t	KG/ST/PC	€/ST/PC
20	29.0	32.0	26.0	16.0	0.01	**3.10**
25	35.0	38.0	28.5	18.0	0.01	**3.29**
32	43.0	46.0	35.0	20.0	0.02	**3.68**
40	52.5	58.0	38.0	22.0	0.04	**4.71**
50	64.5	70.0	48.5	24.5	0.07	**6.14**
63	81.0	86.5	59.0	29.0	0.13	**8.48**
75	92.5	98.0	67.0	32.0	0.17	**13.71**
90	113.0	119.0	77.0	37.0	0.29	**17.38**
110	134.0	140.5	94.0	42.5	0.44	**25.17**



RAM

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

PN 16

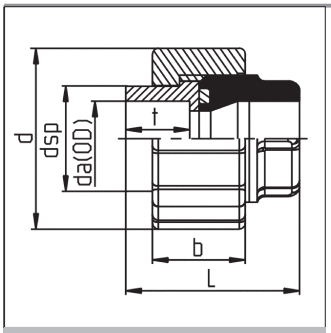
Gespoten
Injectés
Moulded

da x da1	dsp	t	L	KG/ST/PC	€/ST/PC
25 x 20	30.0	16	39.0	0.01	**3.06**
32 x 20	30.0	16	44.5	0.02	**3.76**
32 x 25	35.0	18	45.0	0.02	**3.76**
40 x 20	29.5	16	50.0	0.02	**4.52**
40 x 25	34.5	18	50.0	0.03	**4.52**
40 x 32	42.8	20	50.0	0.03	**4.52**
50 x 20	29.4	16	55.5	0.04	**5.25**
50 x 25	34.7	18	55.0	0.03	**5.25**
50 x 32	43.7	20	55.0	0.04	**5.25**
50 x 40	52.8	22	54.5	0.04	**5.25**
63 x 25	34.8	18	64.0	0.06	**7.23**
63 x 32	42.9	20	65.0	0.07	**7.23**
63 x 40	52.8	22	64.5	0.07	**7.23**
63 x 50	64.8	24	65.0	0.08	**7.23**
75 x 63	81.5	29	64.0	0.11	**12.18**
90 x 63	80.8	29	86.5	0.19	**17.61**
90 x 75	93.0	32	86.6	0.19	**17.61**
110 x 63	81.2	29	90.0	0.27	**23.92**
110 x 90	113.8	37	88.7	0.30	**23.92**

agru

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

PE 100



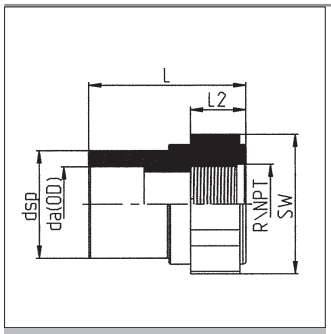
BAM

DRIEDELIGE KOPPELINGEN
RACCORDS UNIONS
UNIONS

PN 10

Gespoten / Injectés / Moulded
FPM dichting / joint / sealing

da	dsp	L	t	d	b	KG/ST/PC	€/ST/PC FPM
20	27.3	45	16.0	47	24	0.04	**17.65**
25	35.7	49	18.0	57	26	0.06	**19.21**
32	41.3	53	20.0	64	30	0.08	**23.09**
40	52.8	59	22.0	78	31	0.14	**32.59**
50	58.6	67	24.5	89	35	0.18	**46.14**
63	73.6	79	29.0	109	39	0.31	**62.76**



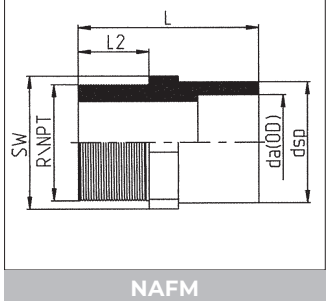
MAFM

OVERGANGSTUK
PIECE D'ADAPTATION
ADAPTOR

PN 10

Gespoten, met binnendraad. GFK versterkt.
Injectés, avec filetage femelle. Renforcé fibre de verre.
Moulded, with female tread. Glassfiber reinforced

da		dsp	L	L2	SW	R	KG/ST/PC	€/ST/PC
20	20 x 1/2"	29.0	45.0	16.0	32	0.50	0.02	**7.86**
25	25 x 3/4"	35.0	50.5	18.0	41	0.75	0.03	**8.87**
32	32 x 1 "	43.0	57.0	20.0	46	1.00	0.05	**11.66**
40	40 x 1 1/4"	52.5	62.5	24.0	55	1.25	0.07	**13.33**
50	50 x 1 1/2"	63.5	68.0	24.5	70	1.50	0.12	**20.97**
63	63 x 2 "	80.0	74.0	30.0	85	2.00	0.19	**26.26**



NAFM

OVERGANGSTUK
PIECE D'ADAPTATION
ADAPTOR

PN 10

Gespoten, met buitendraad
Injectés, avec filetage mâle
Moulded, with male thread

da		dsp	L	L2	SW	R	KG/ST/PC	€/ST/PC
20	20 x 3/4"	25	51	20	27	0.75	0.01	**7.37**
25	25 x 1 "	32	61	24	36	1.00	0.03	**9.32**
32	32 x 1 1/4"	40	66	27	46	1.25	0.04	**11.23**
40	40 x 1 1/2"	50	74	29	55	1.50	0.06	**18.41**
50	50 x 2 "	63	78	31	65	2.00	0.10	**23.27**

RANDEX

kranen
vannes
valves

PE

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.

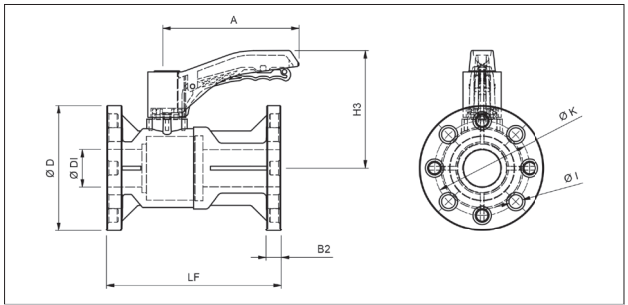
Robinets à tournant sphérique pour des applications chimiques. En monobloc unique offre une sécurité accrue contre les fuites. Sièges de boule et le joint de tige en PTFE.
Exécution à bride, commande manuelle à levier cadenassable en matière synthétique.

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.

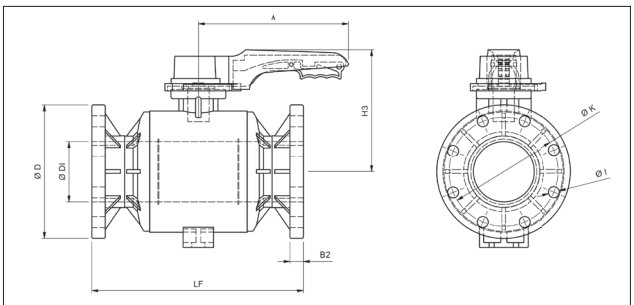
Opties / Option :
- Pneumatische en elektrische aandrijvingen (+ toebehoren)
- spindelverlengingen voor isolatie
- ATEX uitvoering
- diameters tot DN 150
- dodemanshendel
- terugmeldingen (open-dicht)

- 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)



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*	PE-HD €/ST/PC		
				m³/h	Nm									Nm	EPDM	FKM	FEP
15	20	1/2"	10	11,1	6	95	115	140	130	13.0	4 x 14	65	4xM12	7,5	**130.58**	**140.91**	**172.52**
20	25	3/4"	10	21.0	6	105	115	140	150	14.0	4 x 14	75	4xM12	9.0	**160.94**	**173.12**	**211.13**
25	32	1"	10	42.0	8	117	125	140	160	15.0	4 x 14	85	4xM12	10.0	**182.38**	**200.61**	**232.56**
32	40	1 1/4"	10	60.0	12	140	145	175	180	17.0	4 x 18	100	4xM16	20.0	**233.68**	**250.21**	**299.60**
40	50	1 1/2"	10	96.0	12	150	145	175	200	17,5	4 x 18	110	4xM16	20.0	**259.28**	**282.42**	**325.12**
50	63	2"	10	186.0	19	165	155	175	230	18.0	4 x 18	125	4xM16	25.0	**310.48**	**336.89**	**419.20**
65	75	2 1/2"	10	300.0	18	185	205	250	290	20.0	4 x 18	145	4xM16	25.0	**581.00**	**622.34**	**748.91**
80	90	3"	10	420.0	18	200	205	250	310	20.0	8 x 18	160	8xM16	30.0	**685.63**	**734.62**	**875.24**
100	110	4"	10	840.0	40	225	215	250	350	21.0	8 x 18	180	8xM16	30.0	**866.65**	**916.66**	**1057.36**

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

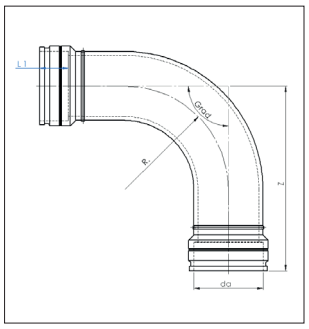
electrolasfittings met aangevormde lasmof
raccords en PEHD avec manchon électrique integré
electrofusion fittings with integrated sockets

PE 100

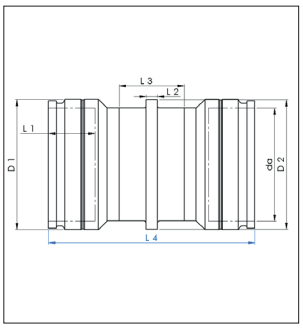
Drukbestendige hulpstukken met geïntegreerde electrolasmof tot diam. 1200 mm.
SDR 26 tot SDR 7,4
DVGW gekeurd en lasbaar met de Hürner lasapparaten.

Raccords résistant à la pression avec E-manchons intégré jusqu'à diam. 1200 mm.
SDR 26 de SDR 7,4.
DVGW et soudable avec des appareils de soudage Hürner.

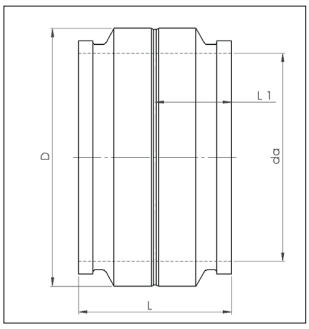
Pressure-resistant fittings with integrated E-socket electro just up to 1200 mm
SDR 26 to SDR 7.4.
DVGW tested and weldable with the welding machine Hürner.



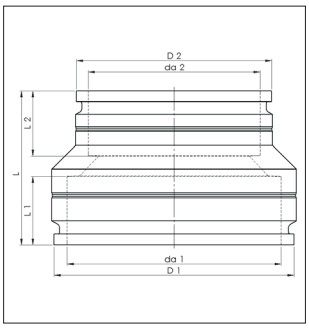
E-bochten / courbes / bends
22-30-45-90°



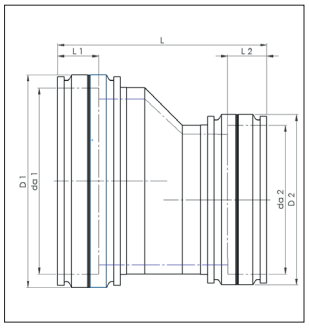
E-muurkraag
collets murals
wall stubs



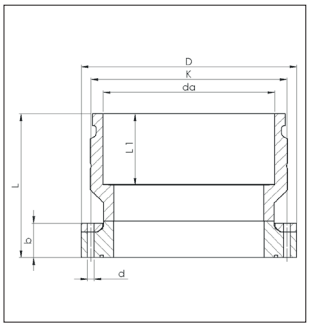
E-mof / manchon / sleeve



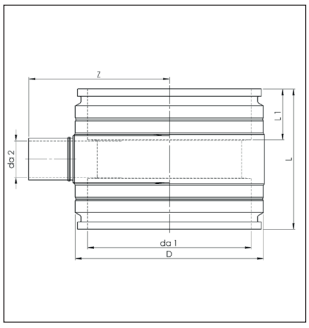
E-concentrische reducties
réductions concentriques
concentric reducers



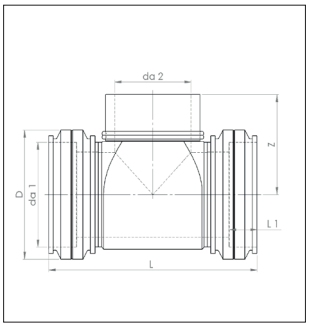
E-excentrische redukties
réductions excentriques
excentric reducers



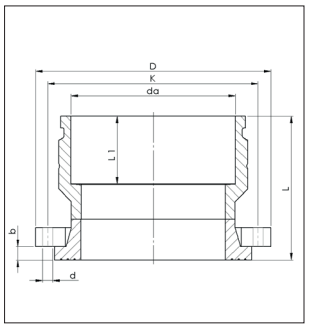
E-flenskraag
bride special
special flange



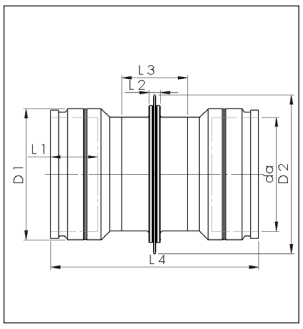
E-T-verloopstuk / réduction T /
T-reducer



E-T-stuk / tes à / tees 90°



E-kraag met losse flens
collet avec bride tournante
stub end with flange



E-muurkraag
collets murals
wall stubs + EPDM

agru

buizen & fittingen
tuyaux & raccords
pipes & fittings

PE 100

ISO 9001/2008

Certified Company

LEIDINGSYSTEMEN VOOR SCHEEPSBOUW
TUYAUTERIE POUR LA CONSTRUCTION NAVALE
PIPING SYSTEM FOR SHIP BUILDING

Volledig leidingsysteem beschikbaar in PE 100 / PE 100-RC (buizen en fittings van D20 mm aan D500 in SDR 11 & SDR 17 mm) voor de bouw van leidingsystemen op schepen en offshore platforms (geschikt voor nieuwe en te renoveren installatie).

Corrosiebestendig en licht gewicht leidingsysteem voor:
- koud en warm water systemen
- koelsystemen (airconditioning)
- waterzuivering - vers en afval water
- vers water bunker lijnen
- gekoeld en pekel watersystemen
- zwart en grijs water systemen
- osmose systemen en verdamping
- water ballast

Voordelen van het gebruik van kunststof
- hoge flexibiliteit
- rendabel, makkelijk te gebruiken en snelle installatie
- licht gewicht
- zeer goede weerstand tegen het schuren
- bestand tegen alle soorten van microbiële corrosie
- weerbestendig
- UV bestendig
- weinig onderhoud nodig

Système complet de tuyauteries en polyéthylène (PE 100 / PE 100-RC) - tubes et raccords de D 20 mm jusqu'à D 500 mm en SDR 11 & SDR 17 - pour la contruction navale et les plates-formes offshore (adapté pour nouvelles constructions et montages ultérieurs).

Tuyauteries anti-corrosio plus légères pour:
- conduites d'eau chaude et froide
- traitement de l'eau de mer
- évacuation des eaux sanitaires
- sytèmes d'osmose et d'évaporation
- eaux de ballast
- alimentation en eau fraiche et évacuation des eaux usées
- processus d'eau de refroidissement
- alimentation de la climatisation
- traitement de l'eau
- tuyauterie de réservoirs d'eau potable

Avantages des canalisations plastiques en PE de haute qualité
- haute flexibilité
- rentable, facile à utiliser et installation rapide
- léger
- très bonne résistance à l'abrasion
- résistant à tous les types de corrosion microbienne
- résistant aux intempéries
- résistant aux UV
- peu d'entretien

Complete piping system available in PE 100 / PE 100-RC (pipes and fittings from D20 mm to D500 mm in SDR 11 & SDR 17) for the construction of piping systems on ships and offshore platformes (suitable for new and retrofit installation).

Corrosion resistant and low weight piping system for:
- hot and cold water systems
- cooling systems (air condition)
- osmosis systems and evaporation
- ballast water
- chilled and brine water systems
- black and grey water systems
- fresh water bunker lines
- water treatment - fresh and waste water

Avantages of using plastics:
- high flexibility
- easy handling, cost effective and fast installation
- low weight
- very good abrasion resistance
- resistant to all kinds of microbial corrosion
- weather resistant
- UV-resistant
- low maintenance required