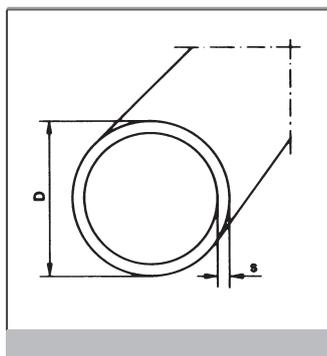




buizen
tuyaux
pipes

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 longueurs 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	1.54	*3.0	0.17	1.79
25													*2.3	0.19	2.11	*3.5	0.24	2.68
32													3.0	0.27	2.64	4.4	0.39	3.69
40													3.7	0.43	4.01	5.5	0.61	5.83
50										*3.0	0.46	4.95	4.6	0.67	5.89	6.9	0.95	8.95
63										3.8	0.73	6.53	5.8	1.06	9.25	8.6	1.49	14.23
75				*2.3	0.55	6.20				4.5	1.02	9.05	6.8	1.47	13.02	10.3	2.12	19.99
90				*2.8	0.80	8.99	3.5	0.99	9.14	5.4	1.47	12.99	8.2	2.14	18.39	12.3	3.03	28.92
110	*2.7	0.95	10.68	3.5	1.22	10.61	4.2	1.45	13.39	6.6	2.18	19.39	10.0	3.18	27.36	15.1	4.54	42.71
125	*3.1	1.23	13.82	3.9	1.53	13.29	4.8	1.86	17.19	7.4	2.78	25.05	11.4	4.11	36.65	17.1	5.85	55.08
140	*3.5	1.56	17.56	4.4	1.92	16.68	5.4	2.35	21.70	8.3	3.49	31.47	12.7	5.12	45.61	19.2	7.35	69.13
160	*4.0	2.02	22.71	5.0	2.49	21.65	6.2	3.08	28.48	9.5	4.55	40.47	14.6	6.73	59.32	21.9	9.58	91.36
180	*4.4	2.48	26.10	5.6	3.12	27.14	6.9	3.83	35.40	10.7	5.76	52.00	16.4	8.50	76.93	24.6	12.11	114.01
200	*4.9	3.08	34.62	6.2	3.88	33.68	7.7	4.74	43.79	11.9	7.12	63.29	18.2	10.48	91.75	27.4	14.98	140.83
225	*5.5	3.90	43.81	7.0	4.84	42.05	8.6	5.96	55.13	13.4	9.01	81.49	20.5	13.27	116.32	30.8	18.95	180.66
250	*6.2	4.84	54.41	7.8	6.05	52.49	9.6	7.38	68.21	14.8	11.04	95.26	22.7	16.32	145.54	34.2	23.38	222.93
280	*6.9	6.04	67.90	8.7	7.47	64.86	10.7	9.13	85.03	16.6	13.86	125.47	25.4	20.46	182.41	38.3	29.32	279.60
315	*7.7	7.59	85.31	9.8	9.55	82.91	12.1	11.61	108.16	18.7	17.57	158.41	28.6	25.90	234.18	43.1	37.12	353.93
355	*8.7	9.65	108.51	11.1	12.06	104.72	13.6	14.71	136.83	21.1	22.35	203.17	32.2	32.92	298.11	48.5	47.08	448.86
400	*9.8	12.20	137.16	12.4	15.33	133.78	15.3	18.64	173.81	23.7	28.25	251.06	36.3	41.79	398.45	54.7	59.82	570.37
450	*11.0	15.40	187.62	14.0	19.41	168.48	17.2	23.58	219.09	26.7	35.80	318.19	40.9	52.99	503.98	61.5	75.67	721.50
500	*12.3	19.10	232.72	15.5	23.91	207.73	19.1	29.09	269.92	29.6	44.24	400.61	45.4	65.36	622.41	68.3	92.78	*
560	*13.7	23.90	291.22	17.4	30.04	260.75	21.4	36.50	338.34	33.2	55.39	527.35	50.8	81.92	779.61			
630	*15.4	30.10	366.73	19.6	38.02	330.00	24.1	46.25	428.94	37.4	70.19	635.55	57.2	103.76	987.66			
710	*17.4	38.30	466.67	22.1	48.33	459.77	27.2	58.82	589.15	42.1	89.05	808.06	*64.5	131.00	1788.12			
800	*19.6	48.70	593.37	24.9	61.22	582.37	30.6	74.56	745.91	47.4	112.97	1074.68	*72.6	167.00	2279.52			
900	*22.0	61.30	804.65	28.0	77.40	736.33	34.4	94.30	1012.65	53.3	142.92	1359.49	*81.7	211.00	3123.12			
1000	*24.5	75.90	995.26	31.0	95.20	905.67	38.2	116.35	1255.08	59.3	176.66	1680.22	*90.8	260.00	3848.38			
1200	*29.4	109.00	1556.41	*36.7	135.00	1927.65	*45.9	168.00	2398.84	*71.1	254.00	4247.12	*108.9	375.00	6270.36			
1400	*34.3	148.00	2232.01	*42.9	184.00	2774.94	*53.5	228.00	3438.52	*83.0	345.00	5989.47	*127.0	510.00	8854.00			

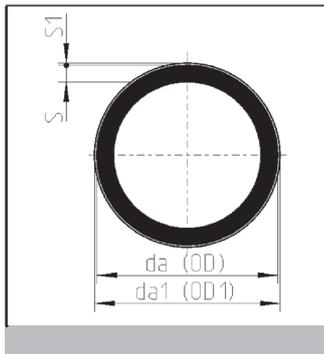
* L = 5 m PE 100 RC

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



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 / outside orange or blue

Gas - oranje
Gaz - orange
Gas - orange

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

D	SDR 17 PN 10			SDR 11 PN 16		
	s	KG/M	€/M	s	KG/M	€/M
32				3.0	0.27	2.64
40				3.7	0.43	4.01
50				4.6	0.67	5.89
63				5.8	1.06	9.25
75	4.5	1.02	9.05	-	-	-
90	5.4	1.47	12.99	8.2	2.14	18.39
110	6.6	2.18	19.39	10.0	3.18	27.36
125	7.4	2.78	25.05	11.4	4.11	36.65
140	8.3	3.49	31.47	12.7	5.12	45.61
160	9.5	4.55	40.47	14.6	6.73	59.32
180	10.7	5.76	52.00	16.4	8.50	76.93
225	13.4	9.01	81.49	20.5	13.27	116.32
250	14.8	11.04	95.26	22.7	16.32	145.54
280	16.6	13.86	125.47	25.4	20.46	182.41
315	18.7	17.57	158.41	28.6	25.90	234.18
355	21.1	22.35	203.57	32.2	32.92	*
400	23.7	28.25	251.06	36.3	41.79	*
450	26.7	35.80	318.19	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	*

D	SDR 17 PN 10			SDR 11 PN 16		
	s	KG/M	€/M	s	KG/M	€/M
32				3.0	0.27	2.64
40				3.7	0.43	4.01
50				4.6	0.67	5.89
63				5.8	1.06	9.25
75	4.5	1.02	9.05	6.8	1.47	13.02
90	5.4	1.47	12.99	8.2	2.14	18.39
110	6.6	2.18	19.39	10.0	3.18	27.36
125	7.4	2.78	25.05	11.4	4.11	36.65
140	8.3	3.49	31.47	12.7	5.12	45.61
160	9.5	4.55	40.47	14.6	6.73	59.32
180	10.7	5.76	52.00	16.4	8.50	76.93
225	13.4	9.01	81.49	20.5	13.27	116.32
250	14.8	11.04	95.26	22.7	16.32	145.54
280	16.6	13.86	125.47	25.4	20.46	182.41
315	18.7	17.57	158.41	28.6	25.90	234.18
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

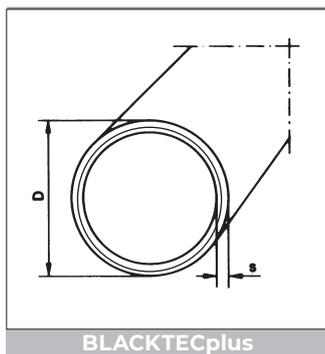
* op aanvraag / sur demande / on request



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

BLACKTECplus

PE 100



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 intermédiaire 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

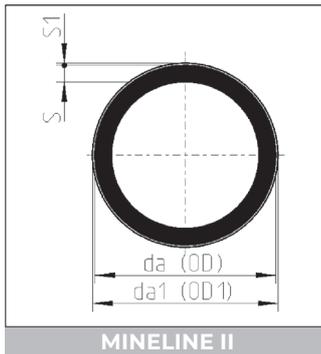
* op aanvraag / sur demande / on request.



buizen
tuyaux
pipes

MINELINE II

PE 100 RC



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 abrasives.

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.

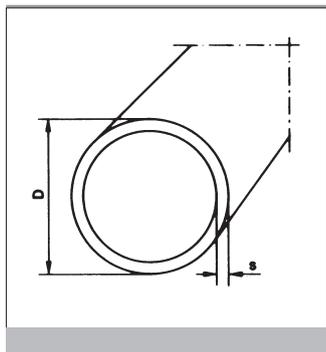
This also makes mineline 2 pipe a more robust pipe due to multi-layer structure, which offers all advantages and more of regular PE pipe, also branches, bends, T-pieces and stub flanges made out of mineline material are available.

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	1.60	3.0	14.0	0.17	2.09
25					2.3	19.6	0.19	2.12	3.5	18.0	0.24	2.86
32					3.0	26.0	0.28	3.32	4.4	23.2	0.39	4.58
40					3.7	32.6	0.43	5.05	5.5	29.0	0.60	7.05
50	3.0	44.0	0.46	5.33	4.6	40.8	0.66	7.90	6.9	36.2	0.94	11.01
63	3.8	55.4	0.73	8.50	5.8	51.4	1.05	12.45	8.6	45.8	1.48	17.33
75	4.5	66.0	1.02	11.88	6.8	61.4	1.47	17.45	10.3	54.4	2.10	24.58
90	5.4	79.2	1.47	17.12	8.2	73.6	2.12	25.04	12.3	65.4	3.02	35.35
110	6.6	90.0	2.19	25.63	10.0	90.0	3.16	37.47	15.1	79.8	4.52	52.88

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.

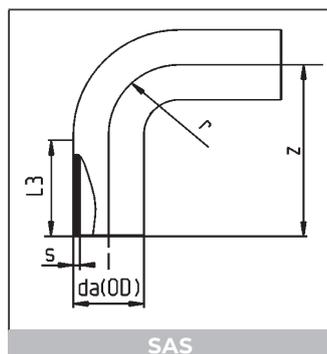
NB!

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.



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



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	7.87
75	75.0	75	150.0	4.5	0.302	11.50
90	76.0	90	168.0	5.4	0.482	14.99
110	82.0	110	189.0	6.6	0.797	31.61
125	92.0	125	218.0	7.4	1.200	40.12
140	95.0	140	241.0	8.3	1.618	58.31
160	100.5	160	260.0	9.5	2.300	64.30
180	109.0	180	285.0	10.7	3.210	79.48
200	118.5	200	318.5	11.9	4.180	98.46
225	125.0	225	353.0	13.4	5.940	128.30
250	133.0	250	389.0	14.8	7.380	251.58
280	143.0	280	429.0	16.6	10.220	366.59
315	158.0	315	475.0	18.7	14.580	457.71

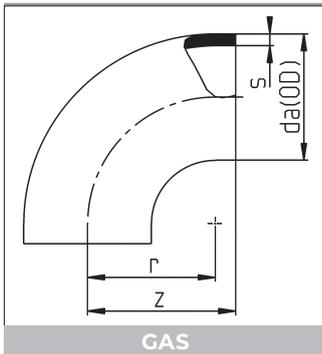
SDR 11 / ISO S-5

da	L3	r	z	s	KG/ST/PC	€/ST/PC
20	40.0	20	60.0	2.0	0.014	3.37
25	42.5	25	68.5	2.3	0.023	3.52
32	47.0	32	79.0	3.0	0.042	3.65
40	52.0	40	92.5	3.7	0.075	4.73
50	58.5	50	108.5	4.6	0.140	5.93
63	66.5	63	129.5	5.8	0.263	8.53
75	75.0	75	150.0	6.8	0.413	11.75
90	76.0	90	168.0	8.2	0.685	17.04
110	82.0	110	189.0	10.0	1.144	32.43
125	92.0	125	218.0	11.4	1.681	45.66
140	95.0	140	241.0	12.7	2.380	61.06
160	100.5	160	260.0	14.6	3.320	78.61
180	109.0	180	285.0	16.4	4.580	93.12
200	118.5	200	318.5	18.2	6.180	138.74
225	125.0	225	353.0	20.5	8.520	165.53
250	133.0	250	389.0	22.7	10.800	298.47
280	143.0	280	429.0	25.4	15.100	431.50
315	158.0	315	475.0	28.6	21.020	535.69



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

PE 100 RC



BOCHTEN 90°
COURBES A 90°
BENDS 90°

Gespoten.
Injectés.
Moulded.

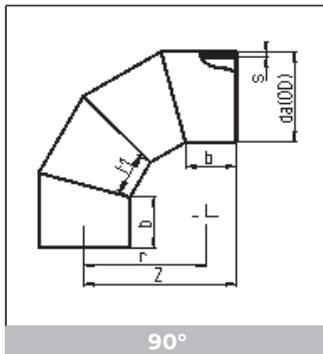
da	SDR 33 / ISO S-16					SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	r	z	s	KG ST/PC	€ ST/PC	r	z	s	KG ST/PC	€ ST/PC	r	z	s	KG ST/PC	€ ST/PC
20											23	32	2.0	0.007	3.39
25											30	35	2.3	0.011	3.55
32											32	43	3.0	0.020	3.67
40											40	50	3.7	0.032	4.74
50											50	60	4.6	0.074	5.97
63						63	70	3.8	0.070	7.90	63	70	5.8	0.110	8.55
75						75	85	4.5	0.150	11.56	75	85	6.8	0.213	11.80
90						90	100	5.4	0.260	15.07	90	100	8.2	0.373	17.13
110	110	120	3.4	0.258	22.60	110	123	6.6	0.440	31.78	110	124	10.0	0.649	32.59
125	125	140	3.9	0.352	25.44	125	140	7.4	0.624	40.36	125	140	11.4	0.928	45.93
140	140	150	4.3	0.474	32.88	140	150	8.3	0.876	58.65	140	150	12.7	1.280	61.41
160	155	180	4.9	0.953	42.98	155	180	9.5	1.340	64.67	155	180	14.6	2.210	82.32
180	180	200	5.5	1.220	52.40	180	200	10.7	2.120	79.94	180	200	16.4	3.210	97.46
200	200	220	6.2	1.740	69.61	200	220	11.9	2.770	99.02	200	220	18.2	3.680	145.24
225	225	245	6.9	1.944	85.38	225	245	13.4	3.900	134.25	225	243	20.5	5.240	181.11
250	265	290	7.7	3.440	122.75	265	285	14.8	5.860	193.04	265	290	22.7	8.020	283.92
280	260	290	8.6	4.380	133.44	265	290	16.5	7.140	250.90	265	290	25.4	9.750	369.15
315	300	340	9.7	6.160	218.94	300	340	18.7	10.860	346.63	300	340	28.6	14.360	509.64
355	300	340	10.9	8.900	461.03	300	340	21.1	12.620	533.22	300	340	32.2	18.460	745.47
400	300	345	12.3	11.120	644.78	300	340	23.7	15.600	764.87	300	345	36.3	23.500	1023.71
450	400	445	13.8	15.000	868.62	400	445	26.7	25.940	999.85	400	445	40.9	38.800	1343.32
500	400	445	15.3	18.480	1210.71	400	445	29.7	31.940	1261.72	400	445	45.4	48.340	1732.90

da	SDR 26 / ISO S-12.5				
	r	z	s	KG ST/PC	€ ST/PC
110	110	124	4.2	0.269	28.21
160	155	177	6.2	0.838	56.30
200	200	220	7.7	1.580	88.00
225	225	245	8.6	2.208	117.61
250	265	290	9.6	3.245	172.80
315	300	340	12.1	6.093	315.42
400	300	345	15.3	9.963	700.05



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

PE 100



BOCHTEN 90°
COURBES A 90°
BENDS 90°

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	300	1040	600	500	38.40	1594.82	17.2	840	350	300	1040	600	500	47.9	1905.58
630	15.4	945	350	338	1126	675	519	50.22	1914.30	19.3	945	350	338	1126	675	519	71.0	2339.69
710	17.4	1065	400	380	1275	761	590	75.49	2336.06	21.8	1065	400	380	1275	761	590	102.0	2876.53
800	19.6	1200	400	429	1385	857	614	111.16	2820.65	24.5	1200	400	429	1385	857	614	139.0	3525.14
900	22.0	1350	400	482	1509	965	641	148.55	3767.67	27.6	1350	400	482	1509	965	641	190.0	4652.41
1000	24.5	1500	500	536	1732	1072	768	189.98	4783.08	30.6	1500	500	536	1732	1072	768	271.0	5875.19
1200	29.4	1800	500	643	1978	1286	822	291.03	6951.85	36.7	1800	500	643	1978	1286	822	440.0	8498.76
1400	34.3	1705	500	400	2005	-	-	496.00	12393.92	-	-	-	-	-	-	-	-	-
1600	39.2	1920	500	446	2197	-	-	701.00	16209.47	49.0	1920	500	446	2197	-	-	869.0	19662.91

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	300	1040	600	500	58.4	2343.26	33.2	840	350	300	1040	600	500	88.3	3465.28
630	24.1	945	350	338	1126	675	519	87.0	2813.01	37.4	945	350	338	1126	675	519	132.0	4209.99
710	27.2	1065	400	380	1275	761	590	126.0	3437.78	42.1	1065	400	380	1275	761	590	190.0	5196.52
800	30.8	1200	400	429	1385	857	614	172.0	4198.37	47.4	1200	400	429	1385	857	614	260.0	6388.42
900	34.4	1350	400	482	1509	965	641	235.0	5626.08	53.3	1350	400	482	1509	965	641	365.0	8420.79
1000	38.2	1500	500	536	1732	1072	768	335.0	7217.38	59.3	1500	500	536	1732	1072	768	507.0	10761.02
1200	45.9	1800	500	643	1978	1286	822	545.0	10451.86	71.1	1800	500	643	1978	1286	822	825.0	15530.31
1400	53.5	1705	500	400	2005	-	-	756.0	18488.37	83.0	1705	500	400	2005	-	-	1145.0	26991.67
1600	61.2	1920	500	446	2197	-	-	1077.0	23871.64	94.8	1920	500	446	2197	-	-	1628.0	35597.43

da	SDR 11 / ISO S-5								
	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	50.8	840	350	300	1040	600	500	130	5115.01
630	57.2	945	350	338	1126	675	519	195	6118.56
710	64.5	1065	400	380	1275	761	590	280	7543.02
800	72.6	1200	400	429	1385	857	614	383	9233.86
900	81.7	1350	400	482	1509	965	641	525	12171.39
1000	90.8	1500	500	536	1732	1072	768	749	15622.70
1200	108.9	1800	500	543	1978	1286	822	1218	23070.79
1400	127.0	1705	500	400	2005	-	-	1145	40008.57
1600	145.2	1920	500	446	2197	-	-	1628	52736.96

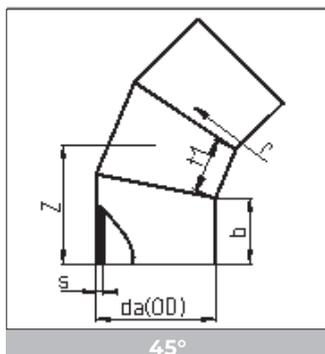
Opmerking / remarque / remark:

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



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

PE 100



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	1057.88	17.2	840	350	223.0	587	445	461	34.66	1263.78
630	15.4	945	350	251.0	616	501	475	36.00	1257.81	19.3	945	350	251.0	616	501	475	45.00	1536.92
710	17.4	1065	400	282.5	700	565	541	52.00	1533.04	21.8	1065	400	282.5	700	565	541	65.00	1887.46
800	19.6	1200	400	318.3	738	637	559	70.00	1825.61	24.5	1200	400	318.3	738	637	559	87.00	2282.12
900	22.0	1330	400	358.0	780	716	579	93.00	2403.84	27.6	1330	400	358.0	780	716	579	116.00	2967.11
1000	24.5	1500	500	398.0	923	796	699	136.00	3076.03	30.6	1500	500	398.0	923	796	699	169.00	3777.12
1200	29.4	1800	500	477.5	1007	955	739	214.00	4343.75	36.7	1800	500	477.5	1007	955	739	265.00	5305.59
1400	34.3	1705	500	400.0	1006	957	778	291.00	6844.10	-	-	-	-	-	-	-	-	-
1600	39.2	1920	500	446.0	1073	1082	818	404.00	8446.56	49.0	1920	500	446.0	1073	1082	818	501.00	10801.44
1800	44.0	2160	500	501.0	1144	1217	858	543.00	11150.76	55.1	2160	500	501.0	1144	1217	858	676.00	13722.42
2000	48.9	2400	500	557.0	1216	1353	898	711.00	13549.34	61.2	2400	500	557.0	1216	1353	898	885.00	17456.73
2250	55.0	2700	500	627.0	1305	1522	948	965.00	18317.62	68.9	2700	500	627.0	1305	1522	948	1200.00	22366.73

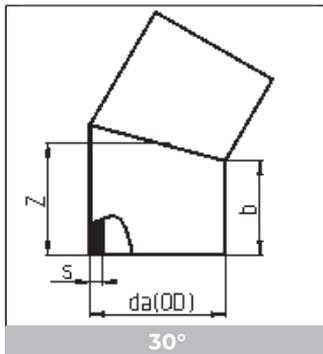
da	SDR 26 / ISO S-12.5									SDR 17 / ISO S-8								
	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC	s	r	b	t1	z	t	t2	KG ST/PC	€ ST/PC
560	21.4	840	350	223.0	587	445	461	42.3	1553.99	33.2	840	350	223.0	587	445	461	64	2297.87
630	24.1	945	350	251.0	616	501	475	56.0	1847.06	37.4	945	350	251.0	616	501	475	84	2763.86
710	27.2	1065	400	282.5	700	565	541	80.0	2254.45	42.1	1065	400	282.5	700	565	541	122	3407.90
800	30.6	1200	400	318.3	738	637	559	107.0	2714.78	47.4	1200	400	318.3	738	637	559	162	4131.78
900	34.4	1330	400	358.0	780	716	579	143.0	3584.56	53.3	1350	400	358.0	780	716	579	216	5362.59
1000	38.2	1500	500	398.0	923	796	699	209.0	4638.73	59.3	1500	500	398.0	923	796	699	317	6912.21
1200	45.9	1800	500	477.5	1007	955	739	328.0	6521.48	71.1	1800	500	477.5	1007	955	739	496	9678.08
1400	53.5	1705	500	400.0	1006	957	778	447.0	10237.19	83.0	1705	500	400.0	1006	957	778	676	14999.24
1600	61.2	1920	500	446.0	1073	1082	818	621.0	13137.56	94.8	1920	500	446.0	1073	1082	818	939	19615.59
1800	68.8	2160	500	501.0	1144	1217	858	836.0	16655.50	106.6	2160	500	501.0	1144	1217	858	1265	25146.79
2000	76.4	2400	500	557.0	1216	1353	898	1095.0	21194.77	118.4	2400	500	557.0	1216	1353	898	1658	31884.77
2250	86.0	2700	500	627.0	1305	1522	948	1485.0	27397.68	133.3	2700	500	627.0	1305	1522	948	2248	41641.45

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	3391.88
630	57.2	945	350	251.0	616	501	475	124.0	4015.97
710	64.5	1065	400	282.5	700	565	541	179.0	4266.36
800	72.6	1200	400	318.3	738	637	559	239.0	5968.21
900	81.7	1350	400	358.0	780	716	579	320.0	7743.15
1000	90.8	1500	500	398.0	923	796	699	468.0	10028.83
1200	108.9	1800	500	477.5	1007	955	739	733.0	14383.42
1400	127.0	1705	500	400.0	1006	957	778	998.0	22222.86
1600	145.2	1920	500	446.0	1073	1082	818	1387.0	29052.55



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

PE 100



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	610.55	17.2	350	425	500	24.7	733.65
630	15.4	350	434	519	25.6	728.86	19.3	350	434	519	31.8	892.70
710	17.4	400	495	590	37.9	911.81	21.8	400	495	590	47.2	1124.14
800	19.6	400	507	614	59.1	1089.87	24.5	400	507	614	73.3	1360.74
900	22.0	400	521	641	76.1	1434.49	27.6	400	521	641	95.0	1773.30
1000	24.5	500	634	768	96.0	1911.42	30.6	500	634	768	119.0	2351.35
1200	29.4	500	661	822	144.0	2673.16	36.7	500	661	822	178.0	3273.70

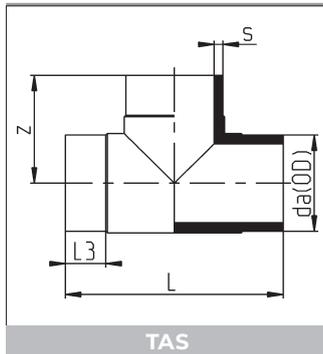
da	SDR 26 / ISO S-12.5					SDR 17 / ISO S-8						
	s	b	z	t	KG ST/PC	€ ST/PC	s	b	z	t	KG ST/PC	€ ST/PC
560	21.4	350	425	500	30.4	902.36	33.2	350	425	500	46.0	1338.55
630	24.1	350	434	519	39.4	1077.23	37.4	350	434	519	59.6	1614.42
710	27.2	400	495	590	58.4	1350.46	42.1	400	495	590	88.1	2040.98
800	30.6	400	507	614	90.7	1629.16	47.4	400	507	614	137.0	2476.80
900	34.4	400	521	641	117.0	2150.23	53.3	400	521	641	177.0	3222.58
1000	38.2	500	634	768	148.0	2892.17	59.3	500	634	768	223.0	4323.65
1200	45.9	500	661	822	222.0	4030.23	71.1	500	661	822	336.0	6003.28

da	SDR11 / ISO S-5				KG	€
	s	r	b	t	ST/PC	ST/PC
560	50.8	350	425	500	67.8	1975.34
630	57.2	350	434	519	87.4	2350.68
710	64.5	400	495	590	130.0	2970.04
800	72.6	400	507	614	203.0	3590.64
900	81.7	400	521	641	262.0	4671.09
1000	90.8	500	634	768	330.0	6294.62
1200	108.9	500	661	822	496.0	8910.38



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

PE 100 RC



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	29.63
125	230	40	115.0	3.9	0.530	36.23
140	253	25	125.0	4.3	1.080	40.42
160	340	57	170.0	4.9	1.731	67.43
180	365	57	182.5	5.5	2.360	83.94
200	400	57	200.0	6.2	3.140	103.64
225	435	57	217.5	6.9	4.340	185.04
250	475	70	237.0	7.7	6.320	286.15
280	540	80	270.0	8.6	8.450	364.01
315	550	80	275.0	9.7	10.980	459.56
355	684	100	342.0	10.9	16.980	643.49
400	700	104	350.0	12.3	23.400	943.40
450	900	130	450.0	13.8	33.000	1273.71
500	895	130	450.0	15.3	33.500	1653.50

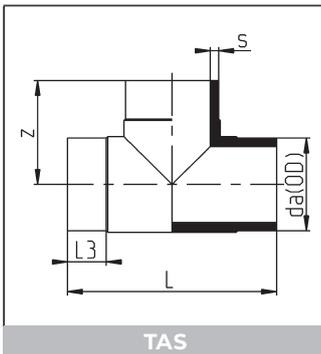
SDR 17 / ISO S-8

da	L	L3	z	s	KG/ST/PC	€/ST/PC
63	145	25.0	72.0	3.8	0.180	8.06
75	150	16.0	75.0	4.5	0.322	16.41
90	210	38.0	107.0	5.4	0.526	23.44
110	251	50.5	121.0	6.6	0.914	38.86
125	270	52.0	135.0	7.4	1.380	53.86
140	300	56.0	150.0	8.3	1.845	63.60
160	340	57.0	170.0	9.5	2.540	119.56
180	365	57.0	182.5	10.7	3.520	146.86
200	400	57.0	200.0	11.9	4.720	200.52
225	440	57.0	220.0	13.4	6.480	235.42
250	464	70.0	235.0	14.8	8.620	312.43
280	534	80.0	267.0	16.6	12.260	353.13
315	546	80.0	275.0	18.7	15.000	469.72
355	676	104.0	340.0	21.1	23.640	706.27
400	695	104.0	345.0	23.7	28.500	965.31
450	890	130.0	445.0	26.7	47.500	1476.58
500	890	130.0	445.0	29.7	53.500	1727.86



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

PE 100 RC

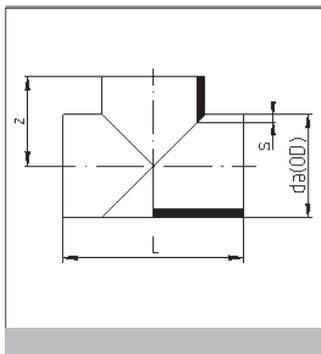


T-STUKKEN 90°
TES A 90°
TEES 90°

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	2.48
25	80	20.5	40.0	2.3	0.021	2.48
32	90	20.5	45.0	3.0	0.039	3.12
40	100	20.5	50.0	3.7	0.065	4.95
50	120	23.0	60.0	4.6	0.122	6.69
63	144	25.0	72.0	5.8	0.225	10.35
75	152	15.0	75.0	6.8	0.408	20.83
90	212	38.0	105.0	8.2	0.701	31.14
110	253	51.0	122.0	10.0	1.240	45.71
125	277	52.0	140.0	11.4	1.880	62.93
140	301	57.0	150.5	12.7	2.480	79.76
160	340	57.0	170.0	14.6	3.440	134.14
180	365	57.0	182.5	16.4	4.600	171.91
200	400	57.0	200.0	18.2	6.320	246.34
225	440	57.0	220.0	20.5	8.560	292.99
250	466	72.0	235.0	22.7	11.160	372.74
280	536	80.0	270.0	25.4	16.200	503.96
315	540	80.0	270.0	28.6	19.700	715.88
355	675	105.0	340.0	32.2	31.320	920.32
400	695	103.0	350.0	36.3	39.300	1249.29
450	900	130.0	450.0	40.9	65.520	1815.51
500	895	130.0	450.0	45.4	73.720	2320.31



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	2314.69	33.2	540	1080	72.3	3471.30	50.8	540	1080	110	5166.97
630	24.10	615	1230	71.0	2867.30										
710	27.20	655	1310	98.0	3489.30	42.1	655	1310	143.0	5292.21	64.5	655	1310	221	7787.84
800	30.60	700	1400	134.0	4302.10	47.4	700	1400	192.0	6567.02	72.6	700	1400	300	9613.56
900	34.34	950	1900	222.0	6488.16	53.3	950	1900	336.0	9796.22	81.7	950	1900	496	14349.36
1000	38.20	1000	2000	291.0	8018.77	59.3	1000	2000	441.0	12082.08	90.8	1000	2000	651	17721.52
1200	45.80	-	-	-	11736.38	71.1	1100	2200	711.0	17632.97	108.9	1100	2200	1049	26260.35
1400	53.50	1200	2400	707.0	19964.21	83.0	1200	2400	1071.0	29851.94	127.0	1200	2400	1580	44400.74
1600	61.20	1300	2600	1014.0	26709.80	94.8	1300	2600	1533.0	40222.29	145.2	1300	2600	2265	59843.27
1800	68.80	1400	2800	1395.0	34882.97	106.6	1400	2800	2111.0	52919.69					
2000	76.40	1500	3000	1861.0	45084.02	118.5	1500	3000	2818.0	68289.31					

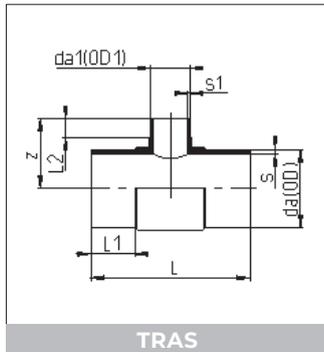


stomplasmafittings
raccords pour le soudage bout à bout
fittings for butt welding

PE 100 RC

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

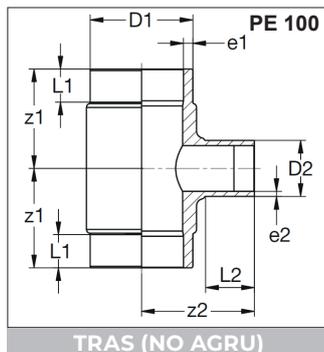
Gespoten / Injectés / Moulded.



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	67.68
**140/ 75	8.3	130	300	86	35	4.5	1.38	67.98
**140/ 90	8.3	130	300	86	42	5.4	1.409	69.12
**140/110	8.3	139	300	53	46	6.6	1.720	70.50
160/125	9.5	150	325	62	50	7.4	2.220	131.48
**180/ 63	10.7	138	358	130	32	3.8	2.140	156.10
180/ 75	10.7	140	360	120	31	4.5	2.200	156.10
**180/110	10.7	152	365	104	48	6.6	2.280	160.90
**180/125	10.7	161	358	96	52	7.4	2.560	160.90
**225/125	13.4	180	445	140	45	7.4	4.380	255.85
500/200	29.7	405	900	133	115	11.9	48.740	2425.58

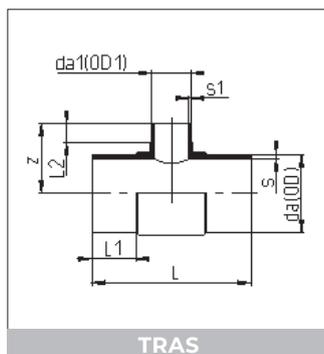


TRAS (NO AGRU)

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

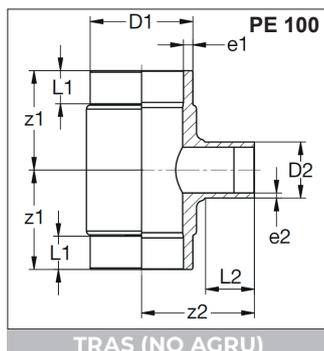
** stuk mogelijks vervormd / forme incohérente / non-conformity in shape



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	32.98
90/ 50	8.2	90	210	57	27	4.6	0.589	33.87
110/ 32	10.0	94	244	70	23	3.0	0.963	48.67
110/ 50	10.0	100	240	70	27	4.6	0.965	49.66
125/ 63	11.4	112	275	75	31	5.8	1.420	69.47
140/ 63	12.7	120	302	87	32	5.8	1.880	87.19
140/ 75	12.7	130	302	87	35	6.8	1.850	87.19
140/ 90	12.7	130	305	88	42	8.2	1.967	88.59
140/110	12.7	141	305	54	47	10.0	2.280	88.59
160/125	14.6	150	325	62	52	11.4	2.820	147.02
180/ 63	16.4	139	358	132	32	5.8	3.160	182.53
180/ 75	16.4	144	362	119	31	6.8	3.180	182.53
180/125	16.4	166	362	100	52	11.4	3.360	188.41
**225/125	20.5	178	456	143	40	11.4	6.400	317.80
500/200	45.4	405	900	130	115	18.2	64.000	2961.96



TRAS (NO AGRU)

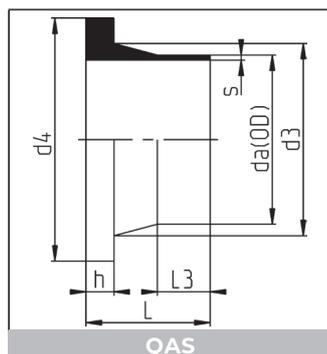
D1-D2	e1	e2	L1	L2	z1	z2	KG/ST/PC	€/ST/PC
63- 32	5.8	3.0	22	15	67	60	0.10	23.59
110- 63	10.0	5.8	48	32	120	105	0.90	76.08
110- 90	10.0	8.2	48	38	120	115	0.97	77.70
160-110	14.5	10.0	56	38	160	145	2.81	163.18
200-160	18.2	14.6	98	53	194	178	5.20	306.19
225-110	20.5	10.0	89	88	220	264	7.07	349.57
225-125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

** stuk mogelijks vervormd / forme incohérente / non-conformity in shape



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

PE 100 RC



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	13.15
125	132	158	80	38.0	3.9	18	0.294	16.18
140	155	188	80	24.0	4.3	18	0.436	18.79
160	175	212	80	28.5	4.9	18	0.571	23.24
180	183	212	92	53.0	5.5	18	0.480	33.98
200	232	268	113	53.0	6.2	18	1.100	41.75
225	235	268	113	65.0	6.9	18	0.865	45.72
250	285	320	132	70.0	7.7	20	1.780	64.52
280	288	320	128	62.0	8.6	20	1.500	69.61
315	335	370	136	68.0	9.7	20	2.250	83.35
355	373	430	150	75.0	10.9	23	2.940	142.53
400	427	482	155	75.0	12.3	26	4.040	296.14
450	514	585	170	70.0	13.8	33	8.080	346.81
500	530	585	175	86.0	15.3	33	7.140	421.20
560	615	685	178	80.0	17.2	35	11.360	498.41
630	642	685	180	89.0	19.3	35	8.860	574.05
710	737	800	170	70.0	21.8	50	11.710	796.03

SDR 26 / ISO S-12.5

D	d3	d4	L	L3	s	h	KG/ST/PC	€/ST/PC
110	125	158	80.0	34	4.2	18	0.400	11.88
160	175	212	92.0	42	6.2	18	0.689	21.00
200	232	268	110.0	46	7.7	24	1.480	38.33
225	235	268	112.5	60	8.6	24	1.380	42.96
250	285	320	132.0	64	9.6	25	2.550	61.39
315	335	370	136.0	73	12.1	25	3.140	82.37
400	427	482	155.0	75	15.3	33	6.250	285.26

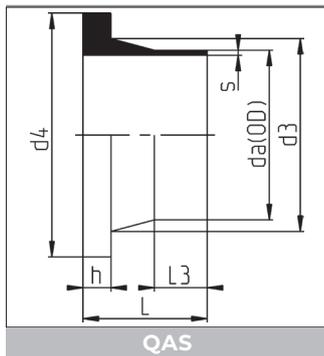
SDR 17 / ISO S-8

D	d3	d4	L	L3	s	h	KG/ST/PC	€/ST/PC
63	75	102	50.0	20	3.8	14	0.114	5.37
75	89	122	50.0	18	4.5	16	0.175	6.34
90	105	138	82.0	40	5.4	17	0.289	9.29
110	125	158	80.0	34	6.6	18	0.880	11.78
125	132	158	84.0	46	7.4	18	0.360	14.52
140	155	188	92.0	39	8.3	18	0.589	16.85
160	175	212	92.0	42	9.5	18	0.741	20.83
180	183	212	92.0	53	10.7	20	0.730	30.45
200	232	268	110.0	46	11.9	24	1.560	38.03
225	235	268	112.5	60	13.4	24	1.499	42.64
250	285	320	132.0	64	14.8	25	2.460	60.90
280	288	320	128.0	70	16.6	25	2.380	66.90
315	335	370	136.0	73	18.7	25	3.400	81.71
355	373	430	150.0	78	21.1	30	4.880	140.02
400	427	482	155.0	75	23.7	33	6.600	282.95
450	514	585	168.0	74	26.7	46	11.960	333.47
500	530	585	170.0	79	29.7	46	11.220	411.10
560	615	685	175.0	86	33.2	50	16.360	492.07
630	642	685	180.0	96	37.4	50	14.200	569.88
710	737	800	170.0	70	42.1	50	20.800	788.99



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

PE 100 RC



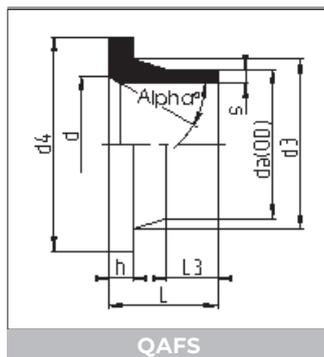
VOORLASKRAGEN
COLLETS
STUBS

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	2.77
25	33	58	50.0	25.0	2.3	9	0.029	2.77
32	40	68	50.0	25.0	3.0	10	0.043	3.28
40	50	78	50.0	24.0	3.7	11	0.064	3.90
50	61	88	53.0	22.5	4.6	12	0.091	4.80
63	75	102	50.0	20.0	5.8	14	0.129	5.98
75	89	122	50.5	18.0	6.8	16	0.204	7.09
90	105	138	80.0	40.0	8.2	17	0.332	10.13
110	125	158	80.0	38.0	10.0	18	0.481	13.03
125	132	158	80.0	38.0	11.4	25	0.513	15.72
140	155	188	92.0	37.0	12.7	25	0.817	20.14
160	175	212	92.0	38.0	14.6	25	1.026	25.40
180	183	212	93.0	43.0	16.4	30	1.060	35.94
200	232	268	114.0	40.0	18.2	32	2.180	51.00
225	235	268	113.0	52.0	20.5	32	2.100	49.81
250	285	320	130.0	58.0	22.7	35	3.560	84.87
280	288	320	128.0	58.0	25.4	35	3.420	80.31
315	335	370	136.0	65.0	28.6	35	5.000	119.19
355	373	430	150.0	70.0	32.2	40	6.880	167.27
400	427	482	155.0	69.0	36.3	46	9.040	301.22
450	514	585	166.0	63.0	40.9	60	16.220	387.73
500	530	585	175.0	70.0	45.4	60	15.760	446.82
560	615	685	180.0	70.0	50.8	60	22.780	844.00
630	642	685	175.0	86.0	57.2	60	21.840	951.57
710	737	800	170.0	70.0	64.5	65	29.400	1367.72

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



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

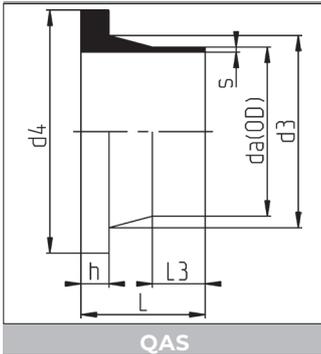
SDR 11 / ISO S-5

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	13.12
140	12.7	92	37	125	155	188	25	30°	0.767	20.31
160	14.6	92	38	150	175	212	25	30°	0.980	25.63
180	16.4	93	43	150	183	212	30	30°	1.040	36.17
200	18.2	114	40	210	232	268	32	30°	1.880	50.99
225	20.5	113	52	210	235	268	32	30°	1.940	49.81
250	22.7	130	58	255	285	320	35	25°	3.060	84.87
280	25.4	128	58	255	288	320	35	25°	3.240	80.92
315	28.6	136	65	301	335	370	35	30°	4.400	119.19
355	32.2	150	70	338	373	430	40	30°	6.200	169.29
400	36.3	155	69	378	427	482	46	30°	8.400	303.15



stomplasmafittings
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PE 100 RC



VOORLASKRAGEN
COLLETS
STUBS

Gedraaid / Fabrication mécanique / Machined

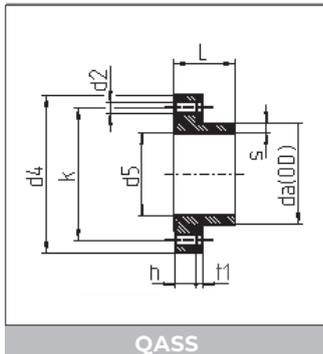
SDR 41 / MOP 2.0 bar									SDR 33 / MOP 2.5 bar							
da	d3	d4	h	L	L3	s	KG ST/PC	€ ST/PC	d3	d4	h	L	L3	s	KG ST/PC	€ ST/PC
800	840	905	50	120	25	19.6	12	2415.28	840	905	50	120	25	24.5	15.6	2415.28
900	944	1005	55	130	25	22.0	16	2864.24	944	1005	55	120	25	27.6	17.0	2864.24
1000	1047	1110	60	140	30	24.5	21	3775.18	1047	1110	60	140	30	30.6	22.0	3775.18
1200	1245	1330	70	160	30	29.4	34	4879.78	1245	1330	70	160	30	36.7	36.0	4879.78
1400	1425	1535	80	180	40	34.3	51	7159.61	1425	1535	80	180	40	42.9	53.0	7159.61
1600	1655	1760	95	195	40	39.2	78	9120.92	1655	1760	95	195	40	49.0	82.0	9120.92
1800	1860	1960	110	210	45	44.0	108	11099.70	1860	1960	110	210	45	55.1	113.0	11099.70
2000	2070	2170	130	230	50	48.9	153	17982.44	2070	2170	130	230	50	61.2	161.0	17982.44
2250	2320	2435	150	250	50	55.0	216	26952.70	2320	2435	150	250	50	68.9	226.0	26952.70
2500	2550	2705	165	275	60	61.2	338	41377.92	2550	2705	165	275	60	76.5	348.0	41377.92

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	145	45	30.6	15.0	2582.54	840	905	65	140	30	47.4	26	3117.62
900	944	1005	60	155	45	34.4	23.8	2864.24	944	1005	70	150	30	53.3	25	3479.81
1000	1047	1110	65	165	50	38.2	25.0	4541.38	1047	1110	75	160	35	59.3	33	4541.38
1200	1245	1330	75	195	60	45.9	40.0	6182.05	1245	1330	90	185	35	71.1	54	6182.05
1400	1425	1535	85	210	65	53.5	60.0	7528.86	1425	1535	100	200	45	83.0	76	7528.86
1600	1655	1760	100	235	75	61.2	90.0	10491.46	1655	1760	110	210	45	94.8	109	10491.46
1800	1860	1960	125	270	90	68.8	133.0	11661.32	1860	1960	125	225	50	106.5	152	13322.57
2000	2070	2170	140	290	100	76.4	180.0	17858.56	2070	2170	140	240	50	118.5	204	17858.56
2250	2320	2435	155	315	110	86.0	245.0	27580.27	2320	2435	160	260	50	133.3	284	27580.27
2500	2550	2705	175	350	125	95.5	367.0	46343.26	2550	2705	175	285	60	148.1	406	51904.46



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

PE 100 RC



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.

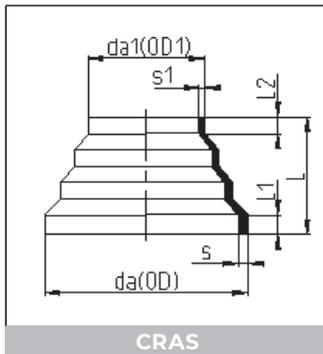
SDR 11 / ISO S-5

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	373.02
180/125	10/16	16.4	100	18	148.9	210	250	38	10	3.2	375.00
200/150	10/16	18.2	102	22	165.4	240	285	40	10	4.4	420.94
250/200	16	22.7	110	22	206.9	295	340	43	15	7.2	630.73
250/200	10	22.7	110	22	206.9	295	340	43	15	7.6	630.73
315/250	16	28.6	135	26	260.7	355	405	43	20	12.0	820.47
315/250	10	28.6	135	22	260.7	355	395	43	20	11.0	820.47



stomplasmittings
raccords pour le soudage bout à bout
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PE 100 RC



CONCENTRICHE 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'	KG/ST/PC	€/ST/PC
110	63	62	9	6	3.4	2.0	0.052	12.81
125	75	72	13	8	3.9	2.3	0.104	14.66
160	110	83	13	13	4.9	3.4	0.174	46.51
225	160	90	15	12	6.9	4.9	0.410	117.57
315	225	130	25	20	9.7	6.9	1.160	135.80
450	315	181	27	20	13.8	9.7	3.600	465.11
630	450	188	30	20	19.3	13.8	9.200	575.11

SDR 17 / ISO S-16

da	da1	L	L1	L2	s	s'	KG/ST/PC	€/ST/PC
75	32	71	10	9	4.5	2.0	0.04	10.31
110	63	62	9	6	6.6	3.8	0.10	13.51
125	75	72	13	8	7.4	4.5	0.16	15.37
160	110	83	13	13	9.5	6.6	0.30	50.08
225	160	90	15	12	13.4	9.5	0.68	132.08
315	225	130	25	20	18.7	13.4	1.92	149.82
450	315	167	27	20	26.7	18.7	5.02	514.09
630	450	188	30	20	37.4	26.7	4.50	774.91

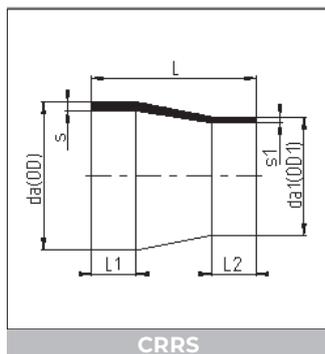
SDR 11 / ISO S-5

da	da1	L	L1	L2	s	s'	KG/ST/PC	€/ST/PC
63	16	97	10	8	5.8	1.8	0.04	6.73
75	32	71	10	9	6.8	3.0	0.06	10.75
110	63	62	9	6	10.0	5.8	0.14	14.26
125	75	72	13	8	11.4	6.8	0.23	16.09
160	110	83	13	13	14.6	10.0	0.43	53.66
225	160	90	15	12	20.5	14.6	1.02	145.55
315	225	130	25	20	28.6	20.5	2.68	160.47
450	315	181	40	20	40.9	28.6	7.82	571.07



stomplasmafittings
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	9.46
90	63	70.0	22	18	5.4	3.8	0.087	10.57
90	75	65.0	22	19	5.4	4.5	0.092	10.57
110	63	88.0	28	18	6.6	3.8	0.154	13.42
110	75	85.0	28	19	6.6	4.5	0.161	13.42
110	90	85.0	28	22	6.6	5.4	0.172	13.42
125	63	91.0	32	18	7.4	3.8	0.240	17.26
125	75	100.0	32	19	7.4	4.5	0.236	17.26
125	90	86.0	32	22	7.4	5.4	0.210	17.26
125	110	89.0	32	28	7.4	6.6	0.226	17.26
140	75	110.0	35	19	8.3	4.5	0.330	20.89
140	90	110.0	35	22	8.3	5.4	0.370	20.89
140	110	100.0	35	28	8.3	6.6	0.328	20.89
140	125	95.0	35	32	8.3	7.4	0.305	24.38
160	90	101.5	40	22	9.5	5.4	0.405	24.38
160	110	101.5	40	28	9.5	6.6	0.430	24.38
160	125	118.0	40	32	9.5	7.4	0.468	24.38
160	140	118.0	40	35	9.5	8.3	0.494	24.38
180	90	157.0	45	22	10.7	5.4	0.829	38.34
180	110	157.0	45	28	10.7	6.6	0.809	36.08
180	125	117.0	45	32	10.7	7.4	0.575	33.27
180	140	136.0	45	35	10.7	8.3	0.704	31.58
180	160	124.5	45	40	10.7	9.5	0.660	30.18
200	140	137.0	50	35	11.9	8.3	0.829	86.39
200	160	131.5	50	40	11.9	9.5	0.854	76.34
200	180	137.0	50	45	11.9	10.7	0.951	68.23
225	140	162.0	55	35	13.4	8.3	1.202	103.10
225	160	137.0	55	40	13.4	9.5	1.040	88.47
225	180	162.0	55	45	13.4	10.7	1.315	88.47
225	200	162.0	55	50	13.4	11.9	1.422	88.47
250	160	151.0	60	40	14.8	9.5	1.360	118.10
250	180	177.0	60	45	14.8	10.7	1.680	109.31
250	200	148.0	60	50	14.8	11.9	1.480	100.55
250	225	142.0	60	55	14.8	13.4	1.600	95.63
280	200	202.0	70	50	16.6	11.9	2.620	131.46
280	225	202.0	70	55	16.6	13.4	2.840	122.61
280	250	165.5	70	70	16.6	14.8	2.150	119.46
315	200	195.0	80	80	18.7	11.9	2.994	167.87
315	225	208.0	80	80	18.7	13.4	3.200	148.52
315	250	185.0	80	80	18.7	14.8	2.980	135.29
315	280	198.0	80	80	18.7	16.6	3.800	126.71

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

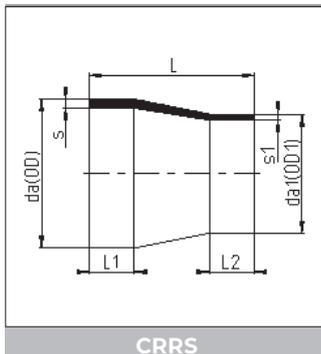
SDR 26 / ISO S-12.5

da	da1	L	L1	L2	S	S1	KG/ST/PC	€/ST/PC
160	110	101.5	40	28	6.2	4.2	0.200	24.99
200	160	131.5	50	40	7.7	6.2	0.800	78.21
225	160	150.0	55	40	8.6	6.2	1.110	90.68
250	160	160.0	60	40	9.6	6.2	1.000	121.06
250	200	158.0	60	50	9.6	7.7	1.200	103.03
250	225	158.0	60	55	9.6	8.6	1.300	97.73
315	200	199.0	80	49	12.1	7.7	2.800	172.04
315	225	200.0	80	57	12.1	8.6	2.900	152.22
315	250	197.5	80	60	12.1	9.6	3.000	138.65



stomplasmittings
raccords pour le soudage bout à bout
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PE 100 RC



CRRS

CONCENTRICHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

SDR 11 / ISO S-5

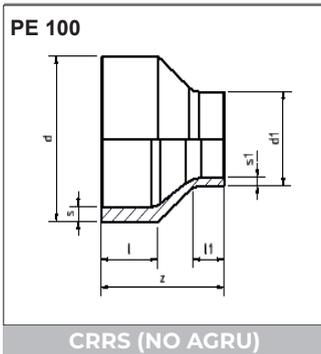
da	da1	L	L1	L2	S	S1	KG/ST/PC	€/ST/PC
25	20	33	14	14	3.0	3.0	0.007	4.61
32	20	40	14	14	3.0	3.0	0.009	5.32
32	25	40	14	14	3.0	3.0	0.010	5.32
40	20	42	14	14	3.7	3.0	0.013	6.09
40	25	42	14	14	3.7	3.0	0.015	6.09
40	32	39	14	14	3.7	3.0	0.018	6.09
50	25	47	14	14	4.6	3.0	0.023	6.41
50	32	41	14	14	4.6	3.0	0.022	6.41
50	40	47	14	14	4.6	3.7	0.028	6.41
63	32	57	18	14	5.8	3.0	0.040	7.74
63	40	48	18	14	5.8	3.7	0.045	7.74
63	50	57	18	14	5.8	4.6	0.053	7.74
75	32	70	19	14	6.8	3.0	0.071	9.92
75	40	70	19	14	6.8	3.7	0.060	9.92
75	50	63	19	14	6.8	4.6	0.077	9.92
75	63	59	19	18	6.8	5.8	0.077	9.92
90	50	76	22	14	8.2	4.6	0.116	11.07
90	63	68	22	18	8.2	5.8	0.113	11.07
90	75	68	22	19	8.2	6.8	0.128	11.07
110	50	90	28	14	10.0	4.6	0.225	14.09
110	63	88	28	18	10.0	5.8	0.200	14.09
110	75	85	28	19	10.0	6.8	0.207	14.09
110	90	85	28	22	10.0	8.2	0.220	14.09
125	63	100	32	18	11.4	5.8	0.293	18.02
125	75	100	32	19	11.4	6.8	0.320	18.02
125	90	89	32	22	11.4	8.2	0.304	18.02
125	110	89	32	28	11.4	10.0	0.329	18.02
140	75	110	35	19	12.7	6.8	0.459	21.84
140	90	100	35	22	12.7	8.2	0.493	21.84
140	110	100	35	28	12.7	10.0	0.440	21.84
140	125	92	35	32	12.7	11.4	0.445	21.84
160	90	108	40	22	14.6	8.2	0.552	25.64
160	110	108	40	28	14.6	10.0	0.639	25.64
160	125	114	40	32	14.6	11.4	0.686	25.64
160	140	114	40	35	14.6	12.7	0.660	25.64
180	90	157	45	22	16.4	8.2	0.960	40.24
180	110	157	45	28	16.4	10.0	1.060	37.90
180	125	120	45	32	16.4	11.4	0.820	34.92
180	140	136	45	35	16.4	12.7	1.030	33.16
180	160	123	45	40	16.4	14.6	0.960	31.62
200	140	137	50	35	18.2	12.7	1.174	90.64
200	160	134	50	40	18.2	14.6	1.240	80.14
200	180	137	50	45	18.2	16.4	1.361	71.75
225	140	162	55	35	20.5	12.8	1.860	107.58
225	160	137	55	40	20.5	14.6	1.590	92.88
225	180	162	55	45	20.5	16.4	1.880	88.39
225	200	162	55	50	20.5	18.2	2.013	77.96
250	160	160	60	45	22.7	14.6	2.000	124.00
250	180	177	60	45	22.7	16.4	2.660	114.83
250	200	144	60	50	22.7	18.2	2.120	105.62
250	225	144	60	55	22.7	20.5	2.260	100.04
280	200	188	70	50	25.4	18.2	3.740	138.12
280	225	202	70	55	25.4	20.5	3.800	128.79
280	250	165	70	80	25.4	22.7	3.200	124.00
315	200	200	80	50	28.6	18.2	4.200	176.32
315	225	209	80	55	28.6	20.5	4.560	155.96
315	250	185	80	60	28.6	22.7	4.340	141.99
315	280	198	80	70	28.6	25.4	5.660	134.07

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



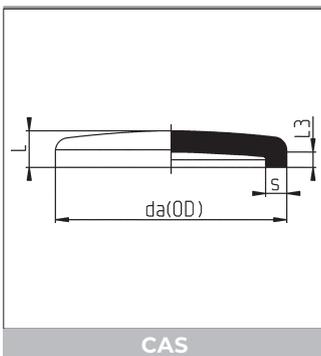
stomplasmittings
raccords pour le soudage bout à bout
fittings for butt welding

PE 100



CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

d	d1	Z	l	l1	SDR 17			SDR 11		
					s	s'	€/ST/PC	s	s'	€/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	125	53	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			



EINDKAP
BOUCHON
END CAPS

Gespoten
Injectés
Moulded

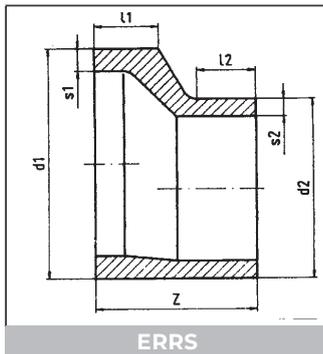
SDR 11 / ISO S-5

da	L3	L	s	KG/ST/PC	€/ST/PC
355	63	124	32.2	6.40	294.99
400	72	132	36.3	8.72	404.41
450	64	140	40.9	11.55	561.39
500	65	160	45.4	14.80	704.12



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

PE 100



EXCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS EXCENTRIQUES
EXCENTRIC REDUCERS

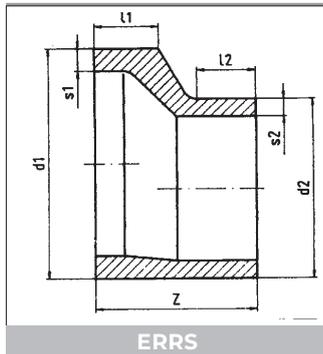
d1	d2	SDR 17			SDR 11		
		s1	s2	z	s1	s2	z
160	90	9.1	5.1	150	14.6	8.2	150
160	110	9.1	6.3	130	14.6	10.0	135
160	125	9.1	7.1	120	14.6	11.4	120
160	140	9.1	8.0	105	14.6	12.8	105
180	110	10.2	6.3	150	16.4	10.0	150
180	125	10.2	7.1	140	16.4	11.4	140
180	140	10.2	8.0	125	16.4	12.8	125
180	160	10.2	9.1	105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



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

PE 100



EXCENTRICHE VERLOOPSTUKKEN
REDUCTIONS EXCENTRIQUES
EXCENTRIC REDUCERS

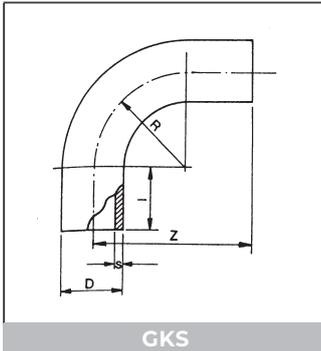
d1	d2	SDR 33			SDR 17			SDR 11		
		s1	s2	Z	s1	s2	Z	s1	s2	Z
630	450	19.6	14.0	260	35.7	25.5	260	57.3	41.0	270
630	500	19.6	15.5	210	35.7	28.3	220	57.3	45.5	230
630	560	19.6	17.4	160	35.7	31.7	170	57.3	51.0	180
710	560	22.1	17.4	230	40.2	31.7	240			
710	630	22.1	19.6	170	40.2	35.7	180			
800	630	24.9	19.6	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



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

PE 100



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°
Autre 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

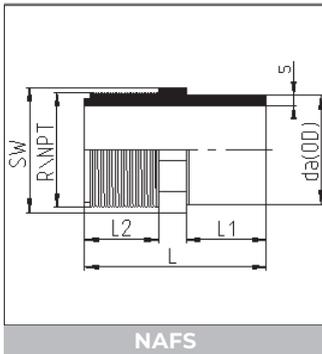
prijzen op aanvraag / prix sur demande / prices on request

Tolerantie / tolerance : +/- 5°



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

PE 100 RC



NAFS

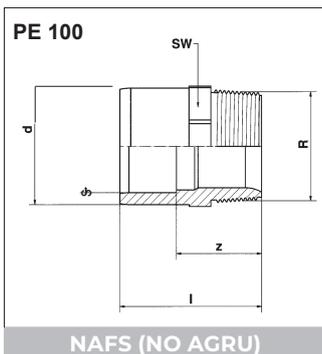
**OVERGANGSSTUKKEN
EMBOUTS D'ADAPTATION
ADAPTOR COUPLINGS**

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.

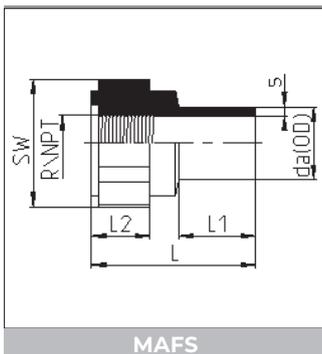
da	s	L	L1	L2	SW	R	K	E	KG/ST/PC	€/ST/PC
20	2.0	46	20.5	18.0	22	1/2"	18.63	20.96	0.007	5.51
25	2.3	51	22.5	20.0	27	3/4"	24.12	26.44	0.010	6.58
32	3.0	61	29.0	24.0	36	1 "	30.29	33.25	0.020	8.31
40	3.7	66	29.0	26.5	46	1 1/4"	38.95	41.91	0.035	10.03
50	4.6	74	33.0	29.0	55	1 1/2"	44.85	47.80	0.059	16.45
63	5.8	80	35.0	32.5	65	2 "	56.66	59.61	0.090	20.77



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.

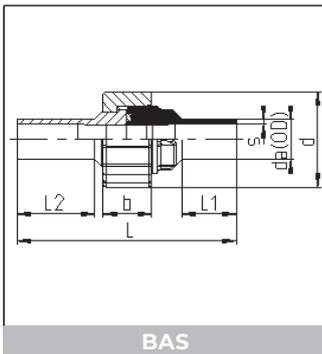
Moulded, S-5/SDR 11. One end female threaded. Glassfiber reinforced.
Only for plastic threaded connections.
NPT on request.

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	7.02
25	2.3	51	24	18.0	41	3/4"	24.12	26.44	0.026	7.94
32	3.0	58	30	20.0	46	1 "	30.29	33.25	0.034	10.40
40	3.7	62	30	24.0	55	1 1/4"	38.95	41.91	0.054	11.92
50	4.6	68	34	25.5	70	1 1/2"	44.85	47.80	0.097	18.75
63	5.8	75	36	30.0	85	2 "	56.66	59.61	0.160	23.48



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

PE 100 RC

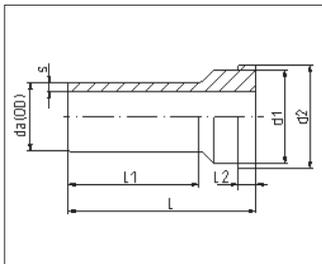


DRIEDELIGE KOPPELINGEN
RACCORDS UNION
UNION SOCKETS

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

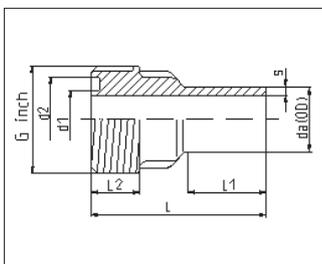
da	s	L	L1	L2	d	b	KG/ST/PC	€/ST/PC
20	2.0	108	24.0	38	47	24	0.049	20.36
25	2.3	114	24.0	39	57	26	0.075	22.16
32	3.0	122	25.0	39	64	30	0.106	26.66
40	3.7	128	25.0	42	78	31	0.178	37.65
50	4.6	134	25.0	44	89	35	0.243	53.25
63	5.8	138	25.0	44	109	39	0.390	72.49
75	6.8	132	28.0	37	130	40	0.655	92.35
90	8.2	133	35.5	57	130	40	0.670	95.49



Inlegdeel / piece d'insertion / union end

SDR 11 / ISO S-5

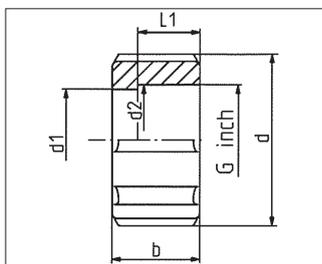
da	s	L	L1	L2	d1	d2	KG/ST/PC	€/ST/PC
20	2.0	54.0	38	5.0	27.3	29.9	0.011	9.33
25	2.3	57.0	39	5.0	35.7	38.6	0.018	9.89
32	3.0	60.0	40	5.0	41.3	44.5	0.027	12.40
40	3.7	65.0	42	6.0	52.6	56.3	0.046	12.82
50	4.6	67.0	44	7.0	58.6	62.4	0.061	14.50
63	5.8	69.0	44	7.5	73.6	78.0	0.103	23.42
75	6.8	66.0	37	9.0	90.0	101.0	0.101	23.42
90	8.2	66.5	57	9.0	90.0	101.0	0.101	24.01



Inschroefdeel / piece à visser / union bush

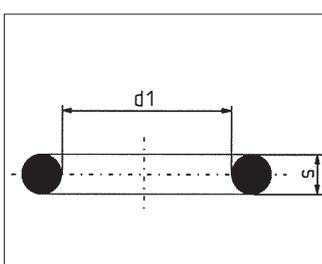
SDR 11 / ISO S-5

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	10.39
25	2.3	57.0	24.0	16	25.8	34.2	1 1/4"	0.025	12.07
32	3.0	60.0	26.0	17	30.4	39.3	1 1/2"	0.033	15.65
40	3.7	63.0	25.0	19	37.9	50.3	2"	0.060	17.24
50	4.6	66.0	25.0	22	44.3	56.7	2 1/4"	0.072	25.12
63	5.8	69.0	25.0	24	57.1	69.4	2 3/4"	0.124	31.23
75	6.8	66.0	28.0	22	70.6	81.6	S107.5 x 3.6	0.131	32.76
90	8.2	66.5	35.5	22	83.0	94.0	S107.5 x 3.6	0.189	34.51



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	5.71
25	18.5	57	36.1	39.0	26.0	1 1/4"	0.030	5.72
32	20.0	64	41.7	44.9	30.0	1 1/2"	0.044	5.29
40	22.5	78	53.2	56.7	31.0	2"	0.065	16.91
50	25.0	89	59.2	62.8	35.5	2 1/4"	0.094	26.97
63	27.0	109	74.2	78.5	39.0	2 3/4"	0.160	35.91
75/90	31.0	130	90.7	102.1	40.0	S107.5 x 3.6	0.310	58.06



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

da	s	d1	KG/ST/PC	€/ST/PC
20	3.53	20.22	0.005	1.28
25	3.53	28.17	0.005	1.61
32	3.53	32.92	0.002	2.05
40	5.33	40.64	0.010	3.60
50	5.33	47.00	0.007	4.88
63	5.33	59.70	0.009	6.07
75	5.30	69.20	0.008	6.58
90	5.30	81.90	0.013	7.22



overgangsfittings
raccords d'adaptation
adaptor fittings

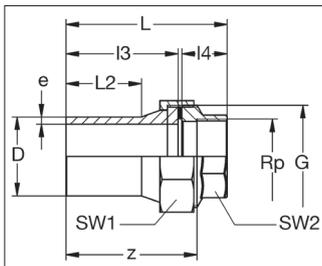
PE 100



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 / RVS 303 / EPDM
SDR 11

D x RP	e	G/inch BSP	L1	L2	I1	I2	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



RVS 316 / 1.4401 : op aanvraag / sur demande / on request.

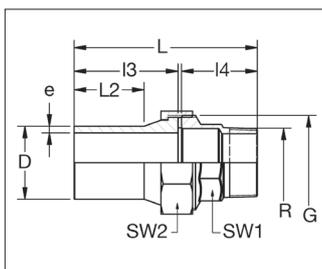
Apart verkrijgbaar : HDPE inlegdeel, o-ring en stalen delen.
Disponible séparément : insert en PEHD, joint torique et pièces en acier.
Available separately: HDPE insert, o-ring and steel parts.



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 / RVS 303 / EPDM
SDR 11

D x RP	e	G/inch BSP	L1	L2	I1	I2	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



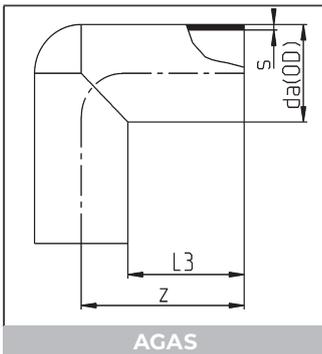
RVS 316 / 1.4401 : op aanvraag / sur demande / on request.

Apart verkrijgbaar : HDPE inlegdeel, o-ring en stalen delen.
Disponible séparément : insert en PEHD, joint torique et pièces en acier.
Available separately: HDPE insert, o-ring and steel parts.



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



KNIEEN 90°
 COUDES A 90°
 ELBOWS 90°

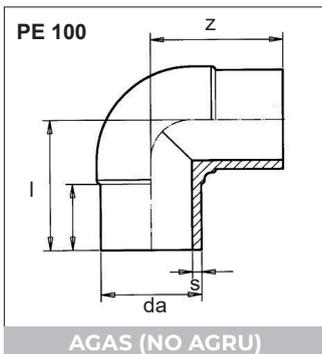
Met verlengde benen, gespoten.
 Ook geschikt voor electromoflas.

Coudes injectés, à branches allongées.
 Convient 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	21.76
75	84.5	124.5	10.3	0.504	27.05
90	82.5	126.0	12.3	0.752	33.87
110	88.0	145.5	15.1	1.221	64.91
125	101.0	165.0	17.1	1.794	80.19
160	101.0	180.0	21.9	3.260	121.25
200	114.5	214.0	27.4	5.900	181.37



Niet / non / no AGRU

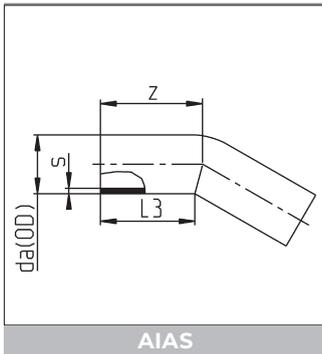
da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	l	z	s	KG/ST/PC	€/ST/PC	l	z	s	KG/ST/PC	€/ST/PC
355	170	410	21.1	22.70	939.61	170	410	32.2	30.20	1178.68
400	187	469	23.7	30.70	1216.13	187	469	36.3	41.70	1534.73
450	202	522	26.7	43.40	1683.68	202	522	40.9	58.90	2007.91
500	222	562	29.7	60.10	2763.21	222	562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

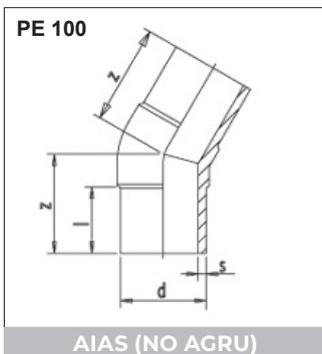
PE 100



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	169	208.5	5.4	0.616	45.54	169	208.5	8.2	0.880	51.19
110	84	216.5	6.6	1.086	59.01	84	216.5	10.0	1.456	64.23
160	98	230.0	9.5	2.380	122.14	98	230.0	14.6	3.260	136.29



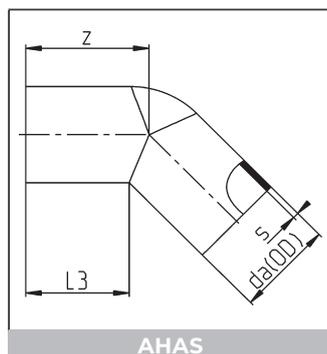
Niet / non / no AGRU

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



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°

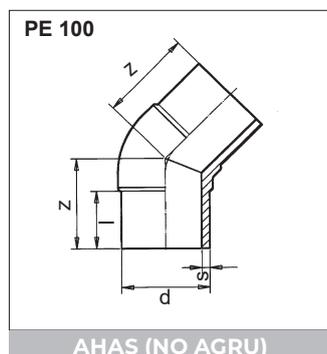
Met verlengde benen. gespoten.
Ook geschikt voor electromoflas.

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

Elongated. moulded.
Also suitable for electro socket welding.

da	SDR 26 / ISO S-12.5					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	L3	z	s	KG/ST/PC	€/ST/PC
20											39.0	44.0	3.0	0.015	4.79
25											42.0	48.0	3.0	0.020	5.14
32											49.0	57.0	3.0	0.035	6.20
40											53.0	63.0	3.7	0.057	7.74
50											57.0	66.5	4.6	0.094	8.82
63						64.5	80.0	3.8	0.118	14.49	65.5	80.0	5.8	0.172	16.08
75						71.0	90.0	4.5	0.187	17.91	70.0	90.0	6.8	0.274	19.99
90						80.0	101.0	5.4	0.295	22.58	82.0	104.0	8.2	0.440	25.04
110	85	120.0	4.2	0.366	38.01	83.0	108.0	6.6	0.494	43.23	82.0	108.0	10.0	0.679	48.00
125	-	-	-	-	-	99.5	130.5	7.4	0.718	53.30	99.5	126.0	11.4	1.060	59.31
140	106	-	-	-	-	99.0	129.0	8.3	0.880	69.85	100.0	135.0	12.7	1.400	77.60
160	109	143.5	6.2	0.939	68.64	105.0	149.0	9.5	1.340	80.84	107.0	150.0	14.6	2.060	89.68
180	-	-	-	-	-	133.5	174.0	10.7	2.060	88.26	118.0	160.0	16.4	2.860	98.17
200	106	128.0	7.7	1.490	103.71	129.0	177.0	11.9	2.240	120.74	120.0	167.0	18.2	3.580	134.15
225	134	179.0	8.6	2.030	125.91	128.0	175.5	13.4	3.160	144.03	125.5	173.5	20.5	4.760	159.91
250	149	206.0	9.6	3.060	231.37	148.0	217.0	14.8	4.820	278.71	158.0	217.0	22.7	7.160	309.69
280	-	-	-	-	-	174.0	236.0	16.6	6.580	420.87	168.0	238.0	25.4	9.620	467.65
315	173	241.0	12.1	5.750	442.67	177.0	251.0	18.7	8.900	523.76	176.0	248.0	28.6	12.910	585.09
400	469	424.0	15.3	23.000	*										

* op aanvraag / sur demande / on request



AHAS (NO AGRU)

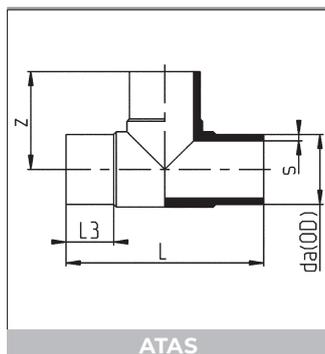
Niet / non / no AGRU

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



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



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

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

SDR 26 / ISO S-12.5

da	L3	L	z	s	KG/ST/PC	€/ST/PC
110	87.0	328	164.0	4.2	0.680	38.28
160	103.0	412	206.0	6.2	1.750	110.39
200	119.0	488	244.0	7.7	3.260	207.64
225	127.0	580	264.5	8.6	4.390	242.38
250	139.5	580	290.0	9.6	6.280	314.65
315	160.0	691	345.5	12.1	11.030	606.24
400	189.5	840	420.0	15.3	21.500	1340.17

SDR 17 / ISO S-8

da	L3	L	z	s	KG/ST/PC	€/ST/PC
63	63.0	222.0	113.0	3.8	0.285	13.44
75	70.0	258.0	131.0	4.5	0.478	21.82
90	79.0	280.0	140.0	5.4	0.696	31.40
110	84.0	313.0	156.0	6.6	1.154	46.06
125	90.0	350.0	174.0	7.4	1.680	63.21
140	99.5	378.5	189.5	8.3	2.120	101.57
160	98.0	401.0	204.5	9.5	3.000	131.87
180	134.0	521.0	260.0	10.7	5.220	173.00
200	112.0	492.0	246.0	11.9	6.000	247.99
225	120.0	540.0	270.0	13.4	8.120	294.48
250	146.0	624.0	314.0	14.8	11.560	376.29
280	158.0	694.0	347.0	16.6	15.960	570.35
315	166.0	750.0	375.0	18.7	21.140	730.26
355	188.0	880.0	440.0	21.1	32.300	1126.18
400	200.0	940.0	470.0	23.7	41.280	1620.14
630	268.5	1332.0	665.0	37.4	187.000	8885.87

SDR 11 / ISO S-5

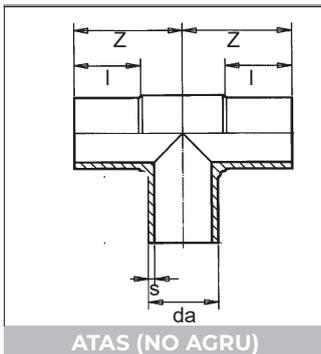
da	L3	L	z	s	KG/ST/PC	€/ST/PC
20	34.5	107.0	54.5	3.0	0.029	4.79
25	39.0	117.0	59.0	3.0	0.042	5.49
32	44.0	144.0	71.0	3.0	0.067	6.55
40	50.0	165.0	84.0	3.7	0.117	8.12
50	56.0	189.0	95.0	4.6	0.199	10.75
63	64.0	226.0	114.0	5.8	0.350	14.82
75	70.0	260.0	128.0	6.8	0.639	24.59
90	79.0	286.0	143.0	8.2	0.966	34.98
110	85.0	317.0	158.0	10.0	1.547	51.19
125	91.0	356.0	177.0	11.4	2.210	70.25
140	99.5	378.5	189.5	12.7	2.880	112.89
160	99.0	405.0	202.5	14.6	4.100	146.52
180	136.0	521.0	260.0	16.4	6.900	192.21
200	114.0	490.0	245.0	18.2	7.920	275.43
225	124.0	548.0	271.0	20.5	10.850	327.27
250	147.0	620.0	310.0	22.7	15.060	422.57
280	158.0	694.0	347.0	25.4	20.860	633.63
315	168.0	752.0	375.0	28.6	28.460	811.45
355	188.0	874.0	437.0	32.2	42.680	1501.58
400	198.0	940.0	470.0	36.3	56.460	2160.19
630	266.0	1332.0	665.0	57.2	193.000	8885.87

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	22.25
90	79.0	284	141.0	12.3	1.276	52.44
110	82.0	315	155.0	15.1	2.080	76.78
125	89.5	342	171.5	17.1	2.873	105.37
160	99.0	405	203.0	21.9	5.480	219.73
200	115.0	495	247.0	27.4	11.100	413.10
225	120.0	542	268.5	30.8	14.700	490.86

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

PE 100

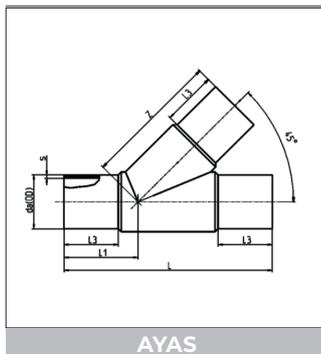


T-STUKKEN 90° VERLENGD
TES A 90° ALLONGES
TEES 90° ELONGATED

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

Niet / non / no AGRU

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	I	z	s	KG/ST/PC	€/ST/PC	I	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



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

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

SDR 17 / ISO S-8						
d	s	z	I	I1	I3	€/ST/PC
*40	2.4	75.0	189	65	45	39.33
*50	3.0	90.0	222	78	55	82.88
63	3.8	170.0	245	93	63	33.05
75	4.5	191.0	290	103	75	53.76
90	5.4	230.0	354	122	82	79.70
110	6.6	248.0	380	131	84	113.54
125	7.4	297.5	440	140	93	155.78
140	8.3	315.5	460	150	94	250.30
160	9.5	360.0	521	166	98	324.98
180	10.7	380.0	557	179	105	426.35
200	11.9	407.0	598	191	113	610.56
225	13.4	464.0	670	206	120	725.71
*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

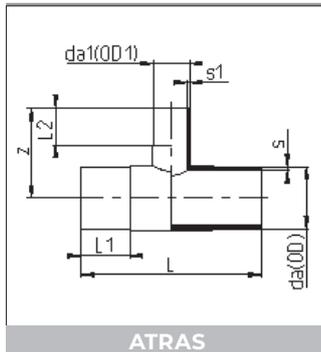
SDR 11 / ISO S-5						
d	s	z	I	I1	I3	€/ST/PC
32	3.0	131.0	195	65	45	16.13
40	3.7	147.0	208	72	50	20.01
50	4.6	144.0	224	81	56	26.48
63	5.8	173.0	262	93	64	36.50
75	6.8	191.0	294	103	71	60.58
90	8.2	230.0	351	122	82	86.16
110	10.0	253.0	382	131	84	126.14
125	11.4	299.0	431	140	92	173.15
140	12.7	315.5	460	150	94	278.23
160	14.6	362.0	521	166	100	361.04
180	16.4	385.0	562	179	107	473.75
200	18.2	416.0	605	191	114	678.76
225	20.5	474.0	673	206	122	806.57
*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



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



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

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

SDR 17 / ISO S-8

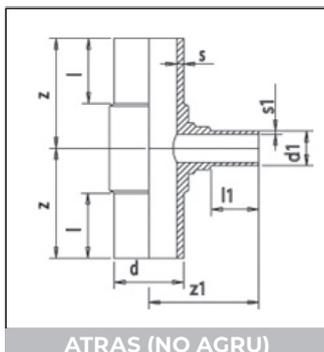
da	L	L1	L2	z	s	s1	KG/ST/PC	€/ST/PC
63/ 50	213	60.0	56.0	100.0	3.8	3.0	0.227	14.29
75/ 50	260	72.5	56.0	111.0	4.5	3.0	0.400	21.68
75/ 63	255	70.0	63.0	117.0	4.5	3.8	0.442	24.70
90/ 63	264	79.0	66.0	137.0	5.4	3.8	0.577	30.82
90/ 75	272	73.0	68.0	138.0	5.4	4.5	0.594	31.11
110/ 63	305	86.5	65.0	156.5	6.6	3.8	0.973	45.72
110/ 75	307	83.0	68.0	152.0	6.6	4.5	0.880	45.72
110/ 90	312	84.0	79.0	155.0	6.6	5.4	0.939	46.82
125/ 63	350	110.0	70.0	170.0	7.4	3.8	1.420	63.51
125/ 90	348	109.0	83.5	170.0	7.4	5.4	1.360	63.51
125/110	340	90.0	83.0	167.0	7.4	6.6	1.385	63.51
160/ 63	340	97.0	67.0	172.5	9.5	3.8	1.960	125.83
160/ 75	344	101.0	76.0	179.0	9.5	4.5	1.920	129.70
160/ 90	343	100.0	80.0	177.0	9.5	5.4	2.000	129.70
160/110	394	100.0	86.0	200.0	9.5	6.6	2.480	130.92
180/ 90	420	136.0	97.0	200.0	10.7	5.4	3.200	174.97
180/160	412	105.0	94.0	204.0	10.7	9.5	3.480	174.97
200/ 63	550	134.0	80.0	225.0	11.9	3.8	5.220	235.13
200/ 90	550	134.0	95.0	225.0	11.9	5.4	5.220	235.13
200/110	550	134.0	103.0	240.0	11.9	6.6	5.360	235.13
200/125	550	134.0	110.0	245.0	11.9	7.4	5.400	235.13
200/160	550	134.0	114.0	270.0	11.9	9.5	6.440	235.13
225/ 75	440	120.0	75.0	226.0	13.4	4.5	4.980	295.30
225/ 90	440	120.0	79.0	224.0	13.4	5.4	5.100	295.30
225/110	445	120.0	85.0	226.0	13.4	6.6	5.000	296.25
225/160	486	120.0	98.0	246.0	13.4	9.5	6.240	297.11
225/180	554	132.0	135.0	280.0	13.4	10.7	7.360	297.61
250/110	625	148.0	86.0	245.0	14.8	6.6	9.980	497.58
250/160	625	148.0	100.0	270.0	14.8	9.5	10.420	497.58
250/200	625	148.0	116.0	290.0	14.8	11.9	11.060	497.58
315/ 90	545	170.0	90.0	290.0	18.7	5.4	11.800	821.18
315/110	546	170.0	100.0	290.0	18.7	6.6	11.760	821.18
315/160	575	168.0	120.0	310.0	18.7	9.5	12.800	821.18
315/200	640	168.0	129.5	331.0	18.7	11.9	14.780	858.51
315/225	638	168.0	145.0	335.0	18.7	13.4	15.740	858.51
315/250	670	170.0	150.0	333.0	18.7	14.8	16.600	858.51
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



stompas- 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. Convient aussi pour l'electro-soudage.
 Moulded. Also suitable for electric socket welding.

SDR 17 / ISO S-8

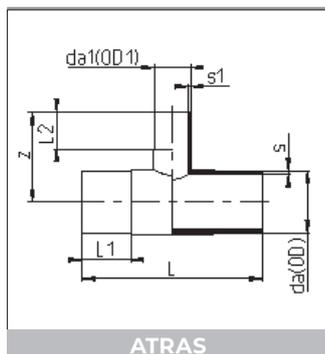
d-d1	s	S1red.	l	z	l1	Z1	€/ST/PC
140/ 63	8.3	*5.8	105	193	77	160	126.34
140/ 75	8.3	4.5	105	193	78	173	126.34
140/ 90	8.3	5.4	105	194	87	182	126.34
140/110	8.3	6.6	105	194	95	188	131.37
180/125	10.7	7.4	116	215	100	215	253.20
180/140	10.7	8.3	116	230	104	220	221.11
200/ 75	11.9	4.5	127	255	76	200	353.91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



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



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

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

SDR 11 / ISO S-5

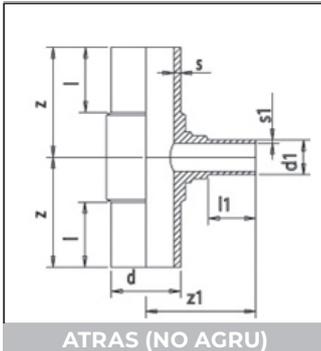
da/da1	s	Z	L	L1	L2	s1	KG/ST/PC	€/ST/PC
63/ 25	5.8	85.0	170	65.0	43.0	2.3	0.210	15.49
63/ 32	5.8	100.0	216	60.0	50.0	3.0	0.300	15.49
63/ 50	5.8	102.5	216	60.0	56.0	4.6	0.318	15.49
75/ 32	6.8	106.0	258	70.0	46.0	3.0	0.508	24.21
75/ 50	6.8	110.0	257	70.0	56.0	4.6	0.541	24.21
75/ 63	6.8	117.0	252	70.0	63.0	5.8	0.552	24.70
90/ 63	8.2	136.0	266	79.0	64.0	5.8	0.760	34.50
90/ 75	8.2	138.0	272	73.0	68.0	6.8	0.821	34.76
110/ 63	10.0	155.0	305	85.0	65.0	5.8	1.240	51.15
110/ 75	10.0	149.0	305	83.0	68.0	6.8	1.220	51.15
110/ 90	10.0	155.0	310	84.0	79.0	8.2	1.300	51.89
125/ 75	11.4	170.0	350	110.0	75.0	6.8	1.820	71.16
125/ 90	11.4	168.0	332	109.0	89.0	8.2	1.700	71.16
125/110	11.4	167.0	340	90.0	83.0	10.0	1.920	71.16
160/ 63	14.6	172.0	340	99.5	66.0	5.8	2.620	139.88
160/ 75	14.6	179.0	344	101.0	76.0	6.8	2.680	141.04
160/ 90	14.6	177.0	343	101.0	80.0	8.2	2.700	141.04
160/110	14.6	196.0	392	98.0	84.5	10.0	3.260	144.59
180/ 90	16.4	200.0	420	136.0	97.0	8.2	4.420	193.90
180/110	16.4	220.0	455	145.0	101.0	10.0	4.720	193.90
180/160	16.4	204.0	412	105.0	94.0	14.6	4.700	193.89
200/ 63	18.2	226.0	553	134.0	82.0	5.8	7.140	260.85
200/ 90	18.2	229.0	550	134.5	96.0	8.2	7.160	260.85
200/110	18.2	242.0	550	134.0	103.0	10.0	7.340	260.85
200/125	18.2	245.0	550	134.0	110.0	11.4	7.340	260.85
200/160	18.2	270.0	550	134.0	114.0	14.6	8.600	260.85
225/ 75	20.5	226.0	440	120.0	75.0	6.8	6.820	327.77
225/ 90	20.5	224.0	442	120.0	79.0	8.2	6.860	327.77
225/110	20.5	226.0	448	120.0	85.0	10.0	6.900	329.07
225/160	20.5	246.0	486	120.0	98.0	14.6	8.460	330.24
225/180	20.5	274.0	546	132.0	135.0	16.4	10.040	331.40
250/ 50	22.7	230.0	630	148.0	71.0	4.6	13.100	549.75
250/ 75	22.7	245.0	630	148.0	86.0	6.8	13.120	549.75
250/110	22.7	245.0	630	148.0	86.0	10.0	12.960	549.75
250/160	22.7	270.0	625	148.0	100.0	14.6	13.740	549.75
250/180	22.7	268.0	625	148.0	110.0	16.4	13.400	549.75
250/200	22.7	294.0	625	148.0	116.0	18.2	14.540	549.75
315/ 90	28.6	290.0	545	170.0	90.0	8.2	16.020	892.59
315/110	28.6	290.0	546	170.0	100.0	10.0	15.900	892.59
315/125	28.6	302.0	575	170.0	102.5	11.4	17.440	892.59
315/160	28.6	310.0	575	170.0	120.0	14.6	17.520	892.59
315/180	28.6	308.0	640	170.0	108.0	16.4	20.800	933.16
315/200	28.6	326.0	640	170.0	126.0	18.2	21.000	933.16
315/225	28.6	335.0	638	170.0	145.0	20.5	20.000	933.16
315/250	28.6	333.0	670	170.0	150.0	22.7	22.840	933.16
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



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

PE 100



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

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

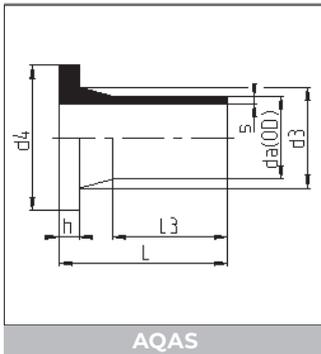
SDR 11 / ISO S-5

d-d1	s	S1 _{red.}	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



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

PE 100 RC



VOORLASKRAGEN, VERLENGD
COLLETS ALLONGEES
STUBS ELONGATED

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

SDR 26/ ISO S-12.5

da	s	L	L3	d3	d4	h	KG ST/PC	€ ST/PC
110	4.2	158	113	125	158	18	0.562	18.67
160	6.2	198	148	175	212	18	1.229	36.82
200	7.7	207	143	232	268	24	2.190	64.77
225	8.6	210	154	235	268	24	2.100	69.83
250	9.6	204	132	285	320	25	3.400	113.41
315	12.1	219	154	335	370	25	4.590	174.47
400	15.3	265	186	427	482	33	9.000	532.07

SDR 17 / ISO S-8

da	s	L	L3	d3	d4	h	KG ST/PC	€ ST/PC
63	3.8	121	78.0	75	102	14	0.177	8.70
75	4.5	125	85.5	89	122	16	0.268	11.23
90	5.4	140	100.0	105	138	17	0.370	14.67
110	6.6	158	113.0	125	158	18	0.578	18.75
125	7.4	167	125.0	132	158	18	0.625	22.82
140	8.3	180	127.0	155	188	18	0.900	29.38
160	9.5	198	148.0	175	212	18	1.246	37.01
180	10.7	210	163.5	183	212	20	1.392	51.86
200	11.9	210	143.0	232	268	24	2.326	65.10
225	13.4	210	154.0	235	268	24	2.300	70.16
250	14.8	204	132.0	285	320	25	3.440	85.88
280	16.6	218	145.0	288	320	25	3.720	133.33
315	18.7	219	154.0	335	370	25	4.700	174.91
355	21.1	255	178.0	373	430	30	7.400	302.37
400	23.7	265	186.0	427	482	33	9.500	533.36
*450	26.7	326	-	514	585	46	18.300	864.40
*500	29.7	330	-	530	585	46	20.000	1053.67
*560	33.2	370	-	615	685	50	27.200	1420.71
*630	37.4	360	-	645	685	50	29.300	1311.74

* niet / non / no AGRU - PE 100

SDR 11 / ISO S-5

da	s	L	L3	d3	d4	h	KG ST/PC	€ ST/PC
20	3.0	88	64.0	27	45	7	0.025	3.90
25	3.0	86	64.0	33	58	9	0.040	4.10
32	3.0	89	61.0	40	68	10	0.057	4.79
40	3.7	100	65.0	50	78	11	0.087	5.66
50	4.6	101	69.0	61	88	12	0.126	6.92
63	5.8	122	78.0	75	102	14	0.217	8.70
75	6.8	125	86.0	89	122	16	0.312	11.23
90	8.2	140	101.0	105	138	17	0.454	14.67
110	10.0	159	115.0	125	158	18	0.729	18.75
125	11.4	169	122.0	132	158	25	0.885	22.82
140	12.7	188	128.5	155	188	25	1.296	34.20
160	14.6	200	148.0	175	212	25	1.760	46.31
180	16.4	209	155.0	183	212	30	2.040	51.85
200	18.2	210	140.0	232	268	32	3.220	84.22
225	20.5	210	145.0	235	268	32	3.320	86.81
250	22.7	204	132.0	285	320	35	4.640	132.96
280	25.4	218	145.0	288	320	35	5.20	155.76
315	28.6	238	154.0	335	370	35	7.580	207.29
355	32.2	257	176.0	373	430	40	10.64	324.90
400	36.3	274	185.0	427	482	46	14.42	573.18
*450	40.9	340	-	514	585	60	26.00	956.51
*500	45.4	360	-	530	585	60	29.00	1106.54
*560	50.8	380	-	615	685	60	42.30	1537.08
*630	57.2	375	-	645	685	65	47.20	1733.82

* niet / non / no AGRU - PE 100

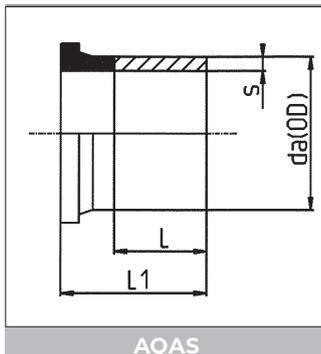
SDR 7.4/ ISO S-3.2

da	s	L	L3	d3	d4	h	KG ST/PC	€ ST/PC
63	8.6	118.0	78.0	75	102	14	0.265	13.58
75	10.3	128.0	86.0	89	122	16	0.409	16.87
90	12.3	140.0	95.0	105	138	17	0.603	22.93
110	15.1	140.0	97.0	125	158	18	0.878	28.09
125	17.1	180.0	121.5	132	158	25	1.307	34.22
160	21.9	181.5	119.5	175	212	25	2.190	69.33
200	27.4	180.5	121.5	232	268	32	3.600	126.07
225	30.8	184.0	129.0	235	268	32	3.920	130.01



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

PE 100 RC



VOORLASKRAGEN, VERLENGD
COLLETS ALLONGEES
STUBS ELONGATED

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

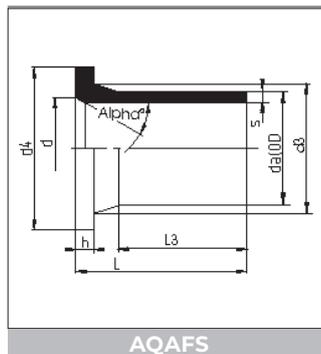
SDR 17 / ISO S-8

da	s	L	L1	KG/ST/PC	€/ST/PC
710	42.1	300	470	46.6	1865.82

SDR 11 / ISO S-5

da	s	L	L1	KG/ST/PC	€/ST/PC
710	64.5	300	470	68.7	2991.50

L = 300 mm, gelast / soudé / welded



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. Convient 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	18.78
140	8.3	178.5	127	125	155	188	18	30	0.820	29.45
160	9.5	196.5	148	150	175	212	18	30	1.220	36.98
200	11.9	208.5	143	210	232	268	24	30	2.100	65.05
225	13.4	208.5	154	210	235	268	24	30	2.250	70.11
250	14.8	202.0	132	255	285	320	25	25	3.200	113.87
280	16.6	218.0	145	255	288	320	25	25	3.680	133.44
315	18.7	217.0	154	305	335	370	25	25	4.680	175.21
355	21.1	252.0	178	338	373	430	30	30	7.140	302.82
400	23.7	262.0	186	378	427	482	33	30	9.400	534.23

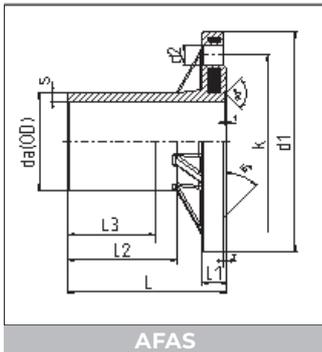
SDR 11 / ISO S-5

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	18.78
140	12.7	185	128.5	125	155	188	25	30	1.274	34.20
160	14.6	197	148.0	150	175	212	25	30	1.680	46.31
180	16.4	206	155.0	150	183	212	30	30	2.020	51.85
200	18.2	207	140.0	210	232	268	32	30	2.860	84.18
225	20.5	207	145.0	210	235	268	32	30	3.280	86.81
250	22.7	200	132.0	255	285	320	35	25	4.200	132.95
280	25.4	214	145.0	255	288	320	35	25	5.010	155.76
315	28.6	234	154.0	301	335	370	35	22	7.200	207.17
355	32.2	253	176.0	338	373	430	40	30	9.800	325.45
400	36.3	270	185.0	378	427	482	46	22	13.600	574.12



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



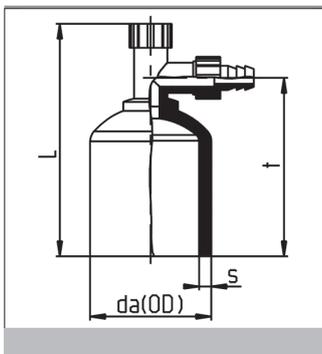
AFAS

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. Convient également pour l'électrosoudage. 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	96.70
110	10.0	146	22	98	80	222	18	180	2.44	128.34
125	11.4	147	22	98	80	222	18	180	2.28	132.09
160	14.6	171	24	118	100	286	22	240	4.40	181.17
180	16.4	180	24	127	110	286	22	240	4.32	254.16



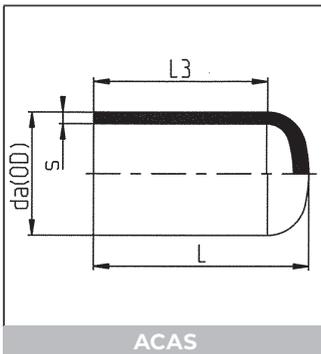
ONTLUCHTINGSKAP
 BOUCHON DE PURGE
 VENTILATION END CAP

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	104.02
90	5.4	190	134	0.389	128.63	8.2	190	134	0.428	128.63
110	6.6	214	155	0.569	140.82	10.0	211	155	0.648	140.82
125	7.4	214	165	0.640	145.37	11.4	215	165	0.769	145.37
160	9.5	238	183	1.000	174.88	14.6	245	183	1.380	174.88
180	10.7	271	216	1.215	229.07	16.4	236	216	1.660	229.07
200	11.9	260	212	1.460	237.49	18.2	260	212	2.210	237.49
225	13.4	280	238	2.140	254.00	20.5	280	238	3.100	254.00



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



EINDKAPPEN VERLENGD
BOUCHONS ALLONGES
END CAPS ELONGATED

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

SDR 26/ ISO S-12.5

da	L3	L	S	KG/ST/PC	€/ST/PC
110	101.5	131	4.2	0.30	34.93
160	116.0	164	6.2	0.75	52.90
200	119.0	174	7.7	1.28	85.69
225	123.0	196	8.6	1.70	102.29
250	152.0	224	9.6	2.45	137.87
315	167.0	262	12.1	4.70	261.90
400	300.0	430	15.3	11.00	*

* op aanvraag / sur demande / on request

SDR 17 / ISO S-8

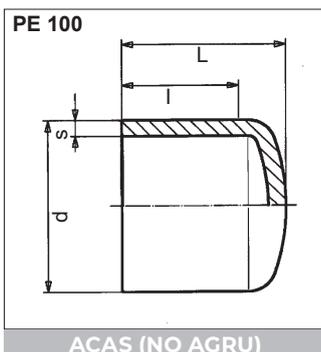
da	L3	L	S	KG/ST/PC	€/ST/PC
63	66.0	83.0	3.8	0.063	10.98
75	75.0	88.0	4.5	0.100	17.02
90	82.0	107.0	5.4	0.180	25.84
110	101.5	131.0	6.6	0.325	35.01
125	100.0	132.0	7.4	0.407	37.84
140	106.0	142.0	8.3	0.520	47.32
160	116.0	164.0	9.5	0.836	53.04
180	107.0	156.0	10.7	1.060	68.95
200	119.0	174.0	11.9	1.340	85.89
225	123.0	196.0	13.4	1.971	102.53
250	152.0	224.0	14.8	2.640	138.20
280	162.0	246.0	16.6	3.680	196.27
315	167.0	262.0	18.7	4.930	262.54

SDR 11 / ISO S-5

da	L3	L	S	KG/ST/PC	€/ST/PC
20	42.0	46.5	3.0	0.008	3.73
25	42.0	48.0	3.0	0.010	4.10
32	45.0	54.0	3.0	0.015	5.16
40	50.0	63.0	3.7	0.029	6.39
50	57.0	71.0	4.6	0.051	8.31
63	64.0	80.5	5.8	0.092	11.00
75	75.0	91.0	6.8	0.149	17.02
90	84.0	107.0	8.2	0.253	25.84
110	105.0	133.0	10.0	0.476	35.01
125	100.0	132.0	11.4	0.586	37.84
140	106.0	144.0	12.7	0.830	47.32
160	123.5	165.0	14.6	1.198	53.04
180	111.0	160.0	16.4	1.690	68.95
200	117.0	181.5	18.2	2.000	85.89
225	130.0	202.5	20.5	2.820	102.53
250	160.0	223.0	22.7	3.910	153.63
280	162.0	248.0	25.4	5.360	218.19
315	167.0	269.0	28.6	7.100	293.37

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	16.47
75	75.0	94.0	10.3	0.211	25.54
90	79.0	100.0	12.3	0.317	38.73
110	94.0	118.0	15.1	0.558	52.51
125	100.5	128.5	17.1	0.784	56.76
160	103.5	146.0	21.9	1.410	79.56
200	121.5	180.0	27.4	2.600	128.86
225	125.0	192.0	30.8	3.640	153.83



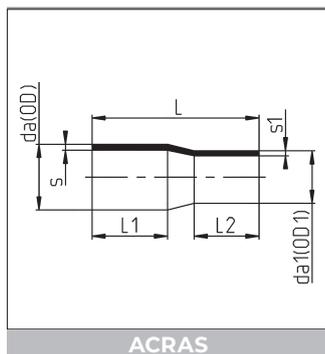
Niet / non / no AGRU

da	SDR 17 / ISO S-8					SDR 11 / ISO S-5				
	I	L	S	KG/ST/PC	€/ST/PC	I	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



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

PE 100 RC



CONCENTRICHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

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

SDR 26 / ISO S-12.5

da	da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
160	110	222	98.0	87.5	6.2	4.2	0.730	57.12
200	160	253	112.0	98.5	7.7	6.2	1.380	81.12
225	160	258	120.0	98.0	8.6	6.2	1.790	130.52
250	160	315	152.0	112.0	9.6	6.2	2.500	176.48
250	200	310	149.0	124.0	9.6	7.7	2.800	184.57
250	225	312	150.0	132.0	9.6	8.6	3.000	184.57
315	200	375	173.0	134.0	12.1	7.7	4.700	316.50
315	225	375	168.0	132.0	12.1	8.6	4.800	316.50
315	250	375	174.0	154.0	12.1	9.6	5.000	316.50

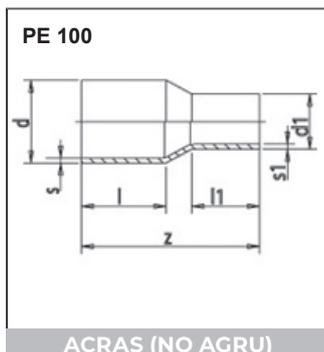
SDR 17 / ISO S-8

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	13.14
90	63	172.0	79.0	63.0	5.4	3.8	0.199	18.38
90	75	163.0	79.0	70.0	5.4	4.5	0.196	18.52
110	63	182.0	82.0	63.0	6.6	3.8	0.297	24.74
110	90	175.0	82.0	79.0	6.6	5.4	0.331	24.74
125	63	187.0	87.0	63.0	7.4	3.8	0.375	29.71
125	90	191.5	87.0	79.0	7.4	5.4	0.438	29.71
125	110	193.0	87.0	82.0	7.4	6.6	0.483	29.78
140	125	211.0	95.0	90.0	8.3	7.4	0.650	42.79
160	90	215.0	98.0	79.0	9.5	5.4	0.760	57.11
160	110	222.0	98.0	87.5	9.5	6.6	0.802	57.27
160	125	227.0	98.0	89.5	9.5	7.4	0.852	57.27
160	140	234.0	98.0	93.5	9.5	8.3	0.945	57.60
180	125	270.0	132.5	95.0	10.7	7.4	1.260	74.20
180	160	245.0	109.0	101.0	10.7	9.5	1.380	74.20
200	160	253.0	112.0	98.5	11.9	9.5	1.560	81.33
225	160	258.0	120.0	98.0	13.4	9.5	1.839	130.82
250	160	318.0	152.0	112.0	14.8	9.5	2.762	176.87
250	200	317.0	152.0	124.0	14.8	11.9	3.060	185.03
250	225	312.0	150.0	132.0	14.8	13.4	3.340	185.03
280	250	355.0	160.0	156.0	16.6	14.8	4.520	246.58
315	200	375.0	173.0	134.0	18.7	11.9	5.400	317.25
315	225	375.0	168.0	132.0	18.7	13.4	5.600	317.25
315	250	375.0	173.0	154.0	18.7	14.8	5.760	317.25



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

PE 100 RC



CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

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

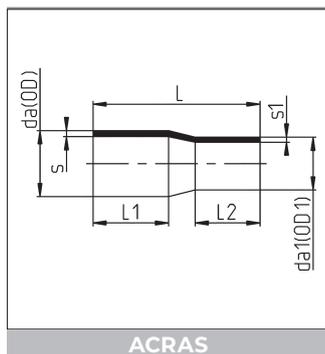
SDR 17 / ISO S-8

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



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

PE 100 RC



CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

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

SDR 11 / ISO S-5

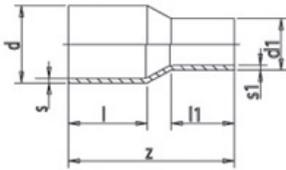
da	da1	L	L1	L2	s	s1	KG/ST/PC	€/ST/PC
25	20	87	41.0	41.0	3.0	3.0	0.016	3.20
32	20	95	44.0	39.0	3.0	3.0	0.022	3.55
32	25	95	44.0	41.0	3.0	3.0	0.024	3.55
40	20	102	49.0	41.0	3.7	3.0	0.032	5.16
40	25	102	49.0	41.0	3.7	3.0	0.033	5.16
40	32	101	49.0	44.0	3.7	3.0	0.040	5.16
50	25	118	55.0	43.0	4.6	3.0	0.054	6.40
50	32	118	58.0	45.0	4.6	3.0	0.060	6.40
50	40	126	55.0	49.0	4.6	3.7	0.071	6.40
63	32	135	63.0	48.0	5.8	3.0	0.098	8.49
63	40	129	63.0	49.0	5.8	3.7	0.102	8.49
63	50	148	63.0	58.0	5.8	4.6	0.134	8.49
75	50	148	70.0	57.0	6.8	4.6	0.168	13.14
75	63	148	70.0	63.0	6.8	5.8	0.193	13.14
90	63	172	79.0	63.0	8.2	5.8	0.290	18.38
90	75	163	79.0	70.0	8.2	6.8	0.293	18.52
110	40	176	77.0	50.0	10.0	3.7	0.362	24.74
110	63	178	82.0	61.0	10.0	5.8	0.425	24.74
110	90	177	82.0	79.0	10.0	8.2	0.499	24.74
125	63	195	87.0	63.0	11.4	5.8	0.560	29.71
125	90	200	87.5	79.0	11.4	8.2	0.635	29.71
125	110	200	87.5	82.0	11.4	10.0	0.739	29.78
140	125	211	94.5	88.5	12.7	11.4	0.992	42.79
160	90	217	100.5	79.0	14.6	8.2	1.060	57.11
160	110	225	98.0	85.5	14.6	10.0	1.180	57.27
160	125	231	98.0	89.5	14.6	11.4	1.320	57.27
160	140	229	98.0	92.0	14.6	12.7	1.360	57.60
180	125	270	129.5	94.5	16.4	11.4	1.820	74.20
180	160	245	105.0	104.0	16.4	14.6	1.880	74.20
200	160	252	112.0	98.5	18.2	14.6	2.270	81.33
225	160	262	120.0	101.0	20.5	14.6	2.760	130.82
250	160	314	153.5	111.5	22.7	14.6	3.980	176.87
250	200	314	153.5	123.5	22.7	18.2	4.440	185.03
250	225	315	153.0	131.5	22.7	20.5	4.740	185.03
280	250	355	161.0	153.5	25.4	22.7	6.640	246.58
315	200	375	177.5	131.5	28.6	18.2	7.640	317.25
315	225	375	170.5	131.5	28.6	20.5	7.840	317.25
315	250	375	173.5	156.0	28.6	22.7	8.320	317.25



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

PE 100 RC

PE 100



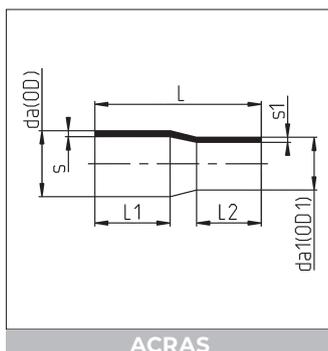
ACRAS (NO AGRU)

CONCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS CONCENTRIQUES ALLONGEES
CONCENTRIC REDUCERS ELONGATED

Gespoten. Ook geschikt voor electromoflas.
Injectées. Convient 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

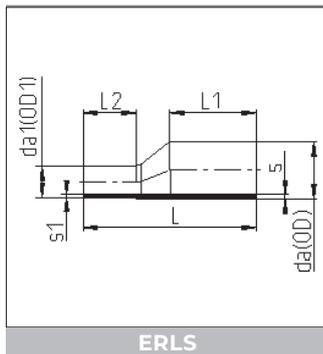
SDR 7.4 / ISO S-3.2

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	37.10
110	90	178.0	80.0	75.0	15.1	12.3	0.715	37.10
125	63	190.0	85.0	62.0	17.1	8.6	0.791	44.57
125	90	189.0	85.5	76.0	17.1	12.3	0.833	44.57
125	110	197.5	84.0	80.0	17.1	15.1	1.040	44.69
160	90	216.0	89.0	77.0	21.9	12.3	1.475	85.64
160	110	223.0	89.0	86.0	21.9	15.1	1.564	85.64
160	125	228.0	93.0	90.0	21.9	17.1	1.790	85.87
200	160	249.0	96.0	106.0	27.4	21.9	2.980	121.97
225	160	268.0	120.0	104.0	30.8	21.9	3.880	196.25
250	160	314.0	152.5	112.0	34.2	21.9	5.400	265.35
250	225	312.0	152.5	130.5	34.2	30.8	6.600	277.54



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

PE 100 RC



EXCENTRISCHE VERLOOPSTUKKEN VERLENGD
REDUCTIONS EXCENTRIQUES ALLONGEES
EXCENTRIC REDUCERS ELONGATED

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

da/da'	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	3.52
32/ 25								114	56.0	40.0	3.0	3.0	0.029	4.12
40/ 25								126	60.0	40.0	3.7	3.0	0.040	5.63
40/ 32								125	59.0	44.0	3.7	3.0	0.045	5.63
50/ 32								156	71.0	45.0	4.6	3.0	0.080	7.01
50/ 40								157	71.0	49.0	4.6	3.7	0.092	7.01
63/ 32								177	75.0	45.0	5.8	3.0	0.139	10.09
63/ 40								177	76.0	49.0	5.8	3.7	0.145	10.09
63/ 50	173	72.0	56.0	3.8	3.0	0.110	9.37	177	76.0	56.0	5.8	4.6	0.156	10.09
75/ 50	195	81.0	56.0	4.5	3.0	0.169	14.44	195	82.0	57.0	6.8	4.6	0.230	15.58
75/ 63	195	82.0	63.0	4.5	3.8	0.180	14.44	197	83.0	63.0	6.8	5.8	0.255	15.58
90/ 63	216	94.0	63.0	5.4	3.8	0.268	20.24	213	92.0	62.0	8.2	5.8	0.380	21.83
90/ 75	219	95.0	70.0	5.4	4.5	0.284	20.24	214	93.0	69.0	8.2	6.8	0.402	21.83
110/ 63	246	101.0	63.0	6.6	3.8	0.420	27.24	244	99.0	63.0	10.0	5.8	0.588	29.41
110/ 90	241	96.0	75.0	6.6	5.4	0.460	27.24	244	98.0	79.0	10.0	8.2	0.666	29.41
125/ 63	265	107.5	63.0	7.4	3.8	0.570	32.68	268	105.0	63.0	11.4	5.8	0.820	35.27
125/ 90	264	106.5	79.0	7.4	5.4	0.626	32.68	265	106.5	79.0	11.4	8.2	0.910	35.27
125/110	264	105.5	86.0	7.4	6.6	0.679	32.68	260	103.0	87.0	11.4	10.0	0.979	35.27
140/125	285	111.5	93.0	8.3	7.4	0.935	47.05	283	109.5	95.0	12.7	11.4	1.320	50.79
160/ 90	310	117.5	79.0	9.5	5.4	1.120	62.77	309	117.5	79.0	14.6	8.2	1.520	67.83
160/110	310	98.0	85.0	9.5	6.6	1.183	62.77	305	115.5	87.0	14.6	10.0	1.660	67.83
160/125	310	118.5	91.0	9.5	7.4	1.263	62.77	309	116.5	91.0	14.6	11.4	1.750	67.83
160/140	309	116.5	96.0	9.5	8.3	1.300	62.77	308	116.5	97.5	14.6	12.7	1.880	67.83
180/ 90	342	127.0	79.0	10.7	5.4	1.640	81.65	348	128.5	79.0	16.4	8.2	2.260	88.15
180/125	353	134.5	92.5	10.7	7.4	1.740	81.65	345	130.0	93.0	16.4	11.4	2.456	88.15
180/160	340	131.5	101.5	10.7	9.5	1.880	81.65	345	130.0	104.0	16.4	14.6	2.780	88.15
200/160	373	138.5	100.0	11.9	9.5	2.380	89.51	373	138.5	101.0	18.2	14.6	3.400	96.58
200/180	370	142.5	107.0	11.9	10.7	2.560	89.51	373	143.5	111.0	18.2	16.4	3.660	96.58
225/160	400	151.5	101.5	13.4	9.5	3.120	143.86	405	154.5	100.0	20.5	14.6	4.370	155.39
225/180	400	151.5	108.5	13.4	10.7	3.280	143.86	403	154.5	110.0	20.5	16.4	4.620	155.39
225/200	400	151.5	115.5	13.4	11.9	3.520	143.86	403	155.5	115.0	20.5	18.2	4.950	155.39
250/200	440	180.0	120.0	14.8	11.9	4.380	188.83	440	180.0	120.0	22.7	18.2	6.280	203.93
250/225	445	182.5	124.5	14.8	13.4	4.600	188.83	440	179.0	125.0	22.7	20.5	6.840	203.93



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 insteeklengte.
- 3) Schil de buis met behulp van een geschikte buizenschiller zodat de oxidelaag verwijderd 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.**

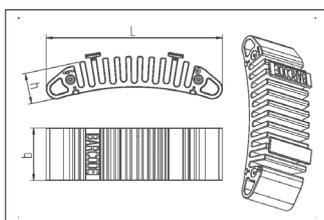


electromoflasfittings
raccords pour electrosoudable
fittings for electro socket welding

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: 259.72 €/st/pc

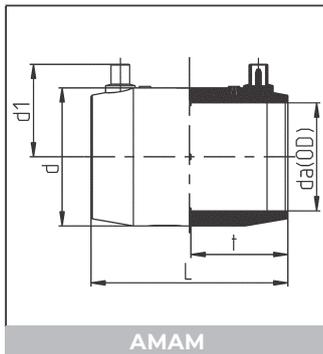
Technische eigenschappen / Propriétés techniques / Technical properties

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



electromoflasfittings
raccords pour électrosoudable
fittings for electro socket welding

PE 100 RC



AMAM

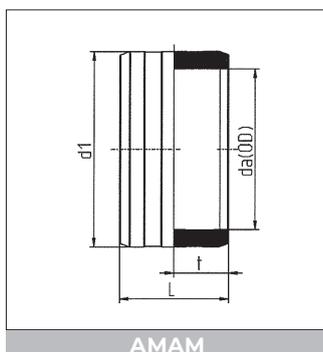
ELECTROLASMOFFEN
MANCHONS ELECTRO-SOUDAGE
ELECTRO WELDING SLEEVES

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	4.38
25	39.5	79.5	35.0	39.0	11-7.4	0.038	5.02
32	43.0	86.5	42.0	43.0	11-7.4	0.048	5.30
40	48.0	97.5	53.0	47.0	17-7.4	0.084	5.55
50	54.0	108.5	66.5	53.0	17-7.4	0.143	8.64
63	62.0	124.5	83.0	59.0	17-7.4	0.249	9.03
75	68.5	139.5	97.0	65.5	17-7.4	0.350	12.89
90	68.0	138.5	112.0	72.0	17-7.4	0.450	17.14
110	73.0	149.0	136.0	83.0	17-7.4	0.712	20.60
125	83.5	169.5	155.0	91.0	17-7.4	0.980	28.97
140	88.5	180.0	173.0	99.0	17-7.4	1.370	33.99
160	88.0	180.0	197.0	109.0	17-7.4	1.710	39.93
180	97.5	199.5	221.0	119.0	26-7.4	2.460	57.31
200	105.0	215.5	245.0	127.0	17-7.4	3.140	67.67
225	112.0	229.0	275.0	142.0	17-7.4	4.200	87.18
250	116.5	238.0	310.0	155.0	26-7.4	4.820	128.47
280	121.5	249.0	346.0	180.0	26-7.4	7.700	174.08
315	127.5	260.0	386.0	180.5	26-7.4	8.000	209.36

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	383.40
400	146.5	300	499	254.0	26-11	19.80	496.18
450	166.0	338	552	260.0	17-11	20.60	627.57
500	178.5	358	604	289.0	17-11	26.00	759.34



AMAM

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

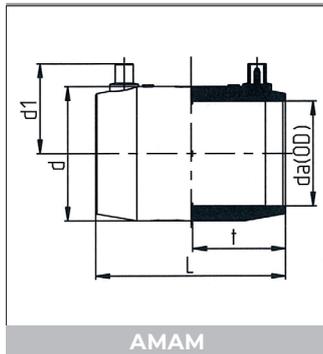
da	t	L	d1	SDR	KG/ST/PC	€/ST/PC
*560	190	380	685	11-17	44.0	2906.62
*630	205	410	770	11-17	59.0	3492.14
*710	205	410	871	11-17	77.5	5244.77
*800	250	500	980	11-17	128.6	6419.25
*900	255	510	1105	11-17	124.0	7908.50

* machined



electromoflasfittings
raccords pour electrosoudable
fittings for electro socket welding

PE 100 RC

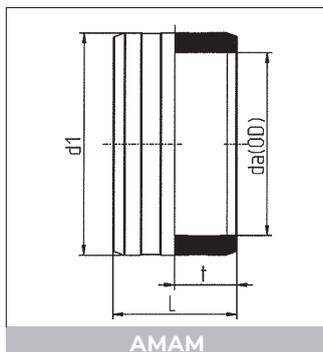


AMAM

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	15.37
110	150.5	133	82.0	73.5	26-17	0.540	18.25
125	170.5	149	92.0	83.5	26-17	0.816	24.63
160	179.5	188	107.5	88.0	26-17	1.085	31.95
180	199.0	212	117.5	97.0	26-17	1.618	48.15
200	215.5	234	127.0	105.0	26-17	2.015	58.62
225	230.0	263	144.0	112.0	26-17	2.800	75.57
250	240.0	293	152.5	118.5	26-17	4.000	110.02
280	250.0	326	169.0	123.5	26-17	5.060	149.08
315	259.0	366	185.5	128.5	33-17	6.420	183.66
355	280.0	413	205.5	138.5	33-17	8.940	328.42
400	301.0	466	235.5	147.5	33-17	12.200	425.06
450	338.0	522	260.0	166.5	33-17	16.600	550.33
500	359.0	579	286.0	177.5	33-17	22.000	645.43

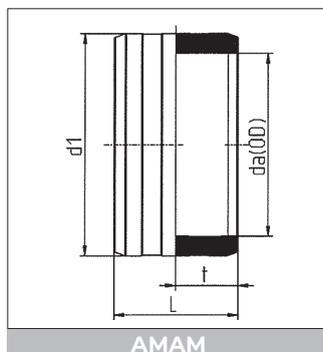


AMAM

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	1625.96
*630	205	410	715	41-17	33.5	2068.38
*710	205	410	805	33-17	43.0	2424.18
*800	250	500	915	33-17	73.5	4034.08
*900	255	510	1025	33-17	90.5	5546.62
*1000	265	530	1140	33-17	115.0	7235.51
*1200	270	540	1365	41-17	169.0	10538.36
*1400	275	550	1590	33-17	235.0	14534.66

* machined



AMAM

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

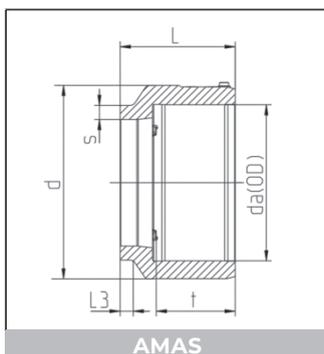
da	t	L	d1	SDR	KG/ST/PC	€/ST/PC
*560	190	380	615	41-26	15.5	1365.48
*630	210	420	690	41-26	23.5	1581.07
*710	221	442	775	41-26	28.6	1914.05
*800	250	500	875	41-26	41.6	2963.79
*900	255	510	980	41-26	53.5	4118.74
*1000	265	530	1090	33-26	69.4	5839.96
*1200	270	540	1310	33-26	101.2	9234.05
*1400	275	550	1525	33-26	147.0	12033.90
*1600	285	570	1740	33-26	189.0	22768.95

* machined



electromofiasfittings
raccords pour electrosoudable
fittings for electro socket welding

PE 100 RC



SPIEGELLAS / ELECTROLASMOFFEN
BOUT À BOUT / MANCHONS ELECTRO-SOUDAGE
MIRROR WELDING / ELECTRO WELDING SLEEVES

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	L3	d	SDR	KG/ST/PC	€/ST/PC
250	126	185	20	315	11	4.89	388.61



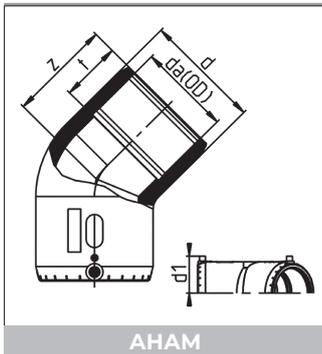
Opmerking / Remarque / Remark

Deze electrolasmof kan men spiegellassen aan alle PE100 / PE100 RC buizen en fittingen.
Ce manchon electro-soudage peut être soudé sur tous les tuyaux ou raccords bout à bout.
This E-spigot coupler can be welded onto all PE100 / PE100 RC pipes or spigot fittingen.



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

PE 100 RC

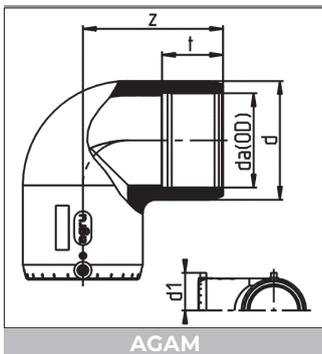


AHAM

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	13.77
25	39.2	52.0	35.0	40.0	11-7.4	0.051	13.77
32	43.0	56.0	42.0	44.0	11	0.072	14.55
40	48.0	63.0	53.0	49.0	11	0.119	17.36
50	54.0	70.0	67.0	53.0	17-11	0.200	22.08
63	61.5	82.0	82.5	58.5	17-11	0.327	24.95
75	68.5	94.0	97.0	66.0	17-11	0.500	35.73
90	71.0	113.0	115.0	74.0	17-11	0.850	47.15
110	72.0	124.0	140.0	82.5	17-11	1.430	69.15
125	85.0	124.0	161.0	92.0	17-11	1.830	95.74
140	89.5	128.0	173.0	97.0	17-11	1.920	163.71
160	89.0	161.5	200.0	112.0	17-11	3.400	187.68
180	98.0	172.0	224.0	119.0	26-11	4.890	273.94
200	106.5	178.0	248.5	130.5	26-11	6.000	378.28
225	113.5	190.0	279.0	145.5	17-11	7.990	407.64



AGAM

KNIEEN 90°
COUDES A 90°
ELBOWS 90°

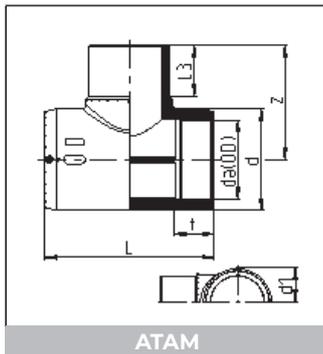
Max. werkdruk: water: 16 bar gas: 10 bar
 Pression service max.: eau : 16 bar gaz: 10 bar
 Working pressure max.: water: 16 bar gas: 10 bar

da	t	z	d	d1	SDR	KG/ST/PC	€/ST/PC
20	37.5	58	30	37.0	11-7.4	0.054	13.77
25	40.3	61	35	40.0	11-7.4	0.061	13.77
32	44.0	65	42	44.0	11	0.078	14.55
40	49.0	75	53	49.0	11	0.120	17.36
50	55.0	85	67	53.0	17-11	0.236	22.08
63	62.7	100	83	60.0	17-11	0.392	24.95
75	70.0	114	97	66.0	17-11	0.607	35.73
90	70.5	147	114	73.0	17-11	1.030	47.15
110	70.5	164	140	82.5	17-11	1.800	69.15
125	84.0	164	161	91.0	17-11	2.460	95.74
140	89.5	172	173	97.0	17-11	2.500	163.71
160	87.0	222	200	109.0	17-11	4.700	187.68
180	98.5	230	224	118.0	26-11	6.250	273.94
200	106.5	250	248	129.5	26-11	8.000	378.28
225	112.5	274	279	144.0	17-11	10.800	407.64



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

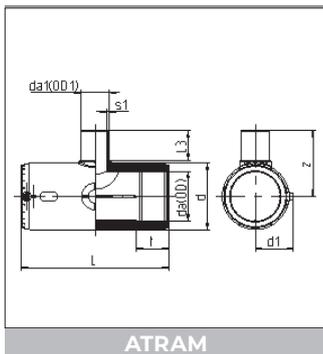
PE 100 RC



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	13.95
25	66.0	110.5	42.5	37.0	39.5	39.5	11-7.4	0.080	13.95
32	76.0	122.5	47.0	47.0	43.0	43.5	11	0.125	15.32
40	86.0	139.5	50.5	57.5	48.0	47.5	11	0.206	17.71
50	100.5	160.5	58.0	69.0	54.5	52.5	11	0.300	22.32
63	116.0	185.5	66.0	87.0	62.0	58.5	17-11	0.538	24.99
75	128.0	210.5	71.5	96.5	69.0	64.0	17-11	0.650	35.25
90	171.5	293.0	91.0	124.0	76.0	72.5	17-11	1.720	44.54
110	190.0	326.5	101.0	148.5	71.5	85.0	17-11	2.670	71.36
125	215.0	347.5	111.0	170.0	86.0	93.1	17-11	3.700	89.86
140	227.0	350.0	92.0	189.0	89.5	98.0	17-11	4.600	159.43
160	245.0	370.5	122.0	211.5	85.0	110.5	17-11	6.120	166.44
180	275.0	419.5	130.0	232.0	98.5	123.5	17-11	9.000	289.65
200	302.0	427.0	136.0	264.0	105.0	139.0	17-11	10.980	371.25
225	325.0	479.5	147.0	287.0	110.0	150.0	17-11	13.400	453.86



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

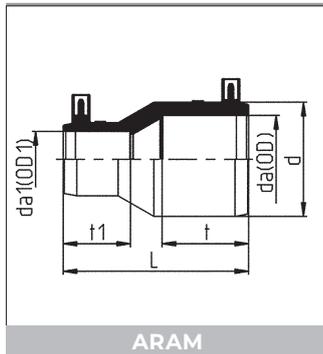
Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

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	14.14
32	20	122.5	42.5	47.0	43.5	43.0	3.0	70.0	0.113	15.53
32	25	122.5	42.5	47.0	43.5	43.0	3.0	70.0	0.115	15.53
40	20	139.5	42.5	57.5	47.5	48.0	3.0	77.0	0.188	17.94
40	25	139.5	42.5	57.5	47.5	48.0	3.0	77.0	0.190	17.94
40	32	139.5	47.0	57.5	47.5	48.0	3.0	82.0	0.192	17.94
50	20	160.5	42.5	69.0	52.5	54.5	3.0	82.0	0.275	22.62
50	25	160.5	42.5	69.0	52.5	54.5	3.0	82.0	0.276	22.62
50	32	160.5	47.0	69.0	52.5	54.5	3.0	87.0	0.279	22.62
50	40	160.5	50.5	69.0	52.5	54.5	3.7	90.0	0.286	22.62
63	20	185.5	42.5	87.0	58.5	62.0	3.0	91.5	0.498	24.98
63	25	185.5	42.5	87.0	58.5	62.0	3.0	91.5	0.499	24.98
63	32	185.5	47.0	87.0	58.5	62.0	3.0	96.5	0.500	24.98
63	40	185.5	50.5	87.0	58.5	62.0	3.7	99.5	0.490	24.98
63	50	185.5	58.0	87.0	58.5	62.0	4.6	110.0	0.500	24.98
75	50	210.5	58.0	96.5	64.0	69.0	4.6	114.0	0.580	35.73
75	63	210.5	66.0	96.5	64.0	69.0	5.8	121.0	0.605	35.73
90	50	291.5	58.0	124.0	72.5	76.0	4.6	127.0	1.546	44.54
90	63	291.5	66.0	124.0	72.5	76.0	5.8	135.0	1.575	44.54
110	63	326.5	66.0	148.5	85.0	71.5	5.8	147.0	2.388	71.35
110	90	326.5	91.0	148.5	85.0	71.5	8.2	181.0	2.600	71.35
125	63	347.5	66.0	170.0	93.1	86.0	5.8	157.0	3.343	89.86
125	90	347.5	91.0	170.0	93.1	86.0	8.2	192.0	3.466	89.86
125	110	347.5	101.0	170.0	93.1	86.0	10.0	202.0	3.583	89.86
160	63	370.5	63.0	211.5	110.5	85.0	5.8	180.0	5.500	166.44
160	90	370.5	91.0	211.5	110.5	85.0	8.2	214.0	5.611	166.44
160	110	370.5	101.0	211.5	110.5	85.0	10.0	224.0	5.714	166.44
160	125	370.5	111.0	211.5	110.5	85.0	11.4	233.0	5.838	166.44



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

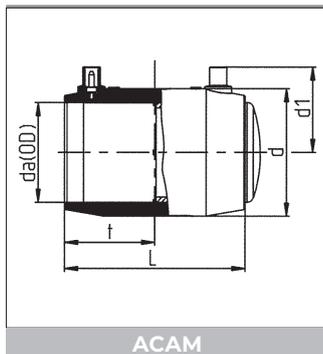
PE 100 RC



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	9.48
32/20	108.5	43.0	43.0	43.0	36.0	11	0.065	10.30
32/25	108.5	42.0	44.0	43.0	39.0	11	0.071	10.30
40/20	118.5	53.0	48.0	48.0	36.0	11	0.092	11.85
40/25	118.5	53.0	48.0	48.0	39.0	11	0.094	11.85
40/32	118.5	53.0	47.0	48.0	43.0	11	0.100	13.15
50/25	133.5	67.0	49.0	54.0	39.0	11	0.143	16.44
50/32	133.5	67.0	53.0	54.0	42.5	11	0.150	16.44
50/40	133.5	67.0	53.0	54.0	47.5	11	0.165	17.99
63/32	132.5	83.0	56.0	61.7	42.5	11	0.230	21.46
63/40	132.5	83.0	56.0	61.7	47.5	11	0.240	21.46
63/50	148.5	83.0	59.5	61.7	53.6	11	0.273	21.46
75/50	155.5	97.0	63.0	69.0	53.5	11	0.336	28.25
75/63	155.5	97.0	63.0	69.0	61.5	17-11	0.380	29.07
90/63	171.5	117.0	73.5	71.5	62.5	17-11	0.550	33.55
110/63	200.5	140.5	84.0	72.0	62.5	17-11	0.860	54.69
110/90	180.5	140.5	84.0	72.0	71.0	17-11	0.940	54.69
125/90	183.5	156.0	90.0	83.0	68.7	17-11	0.992	67.18
125/110	173.5	156.0	90.0	82.0	69.5	17-11	1.050	67.18
160/90	240.5	200.0	108.5	89.5	71.0	17-11	1.890	95.43
160/110	224.5	200.0	108.5	89.5	71.0	17-11	1.980	97.82
225/160	282.5	280.0	147.0	113.0	88.0	17-11	5.120	222.03



EINDKAPPEN
BOUCHONS
END CAPS

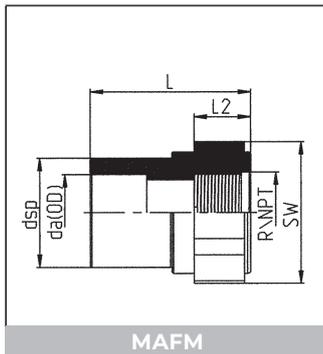
Max. werkdruk: water: 16 bar gas: 10 bar
Pression service max.: eau : 16 bar gaz: 10 bar
Working pressure max.: water: 16 bar gas: 10 bar

da	L	d	d1	t	SDR	KG/ST/PC	€/ST/PC
20	73.5	30.0	37.0	36.0	7.4	0.04	9.85
25	79.5	35.0	39.0	40.0	11-7.4	0.05	10.34
32	86.5	42.0	43.0	43.0	11	0.07	11.77
40	97.5	53.0	44.0	48.0	17-11	0.11	12.94
50	108.5	66.5	53.0	54.0	17-11	0.20	19.61
63	124.5	83.0	59.0	62.0	17-11	0.35	21.68
75	139.5	97.0	65.5	68.5	17-11	0.50	34.06
90	138.5	112.0	72.0	68.0	17-11	0.73	48.43
110	149.5	136.0	83.0	74.0	17-11	1.23	62.12
125	169.5	155.0	91.0	83.5	17-11	1.88	76.35
140	180.0	180.0	99.0	88.5	17-11	2.40	101.74
160	180.0	197.0	107.5	88.0	17-11	2.92	107.27
180	199.5	221.0	119.0	97.5	26-11	4.18	146.52
200	215.5	245.0	127.0	105.0	17-11	5.32	166.44
225	229.0	275.0	142.0	112.0	17-11	7.20	211.89
250	238.0	310.0	155.0	116.5	26-11	9.84	315.72
280	249.0	346.0	180.0	121.5	26-11	12.66	436.72
315	260.0	386.0	187.0	127.5	26-11	17.06	550.20



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

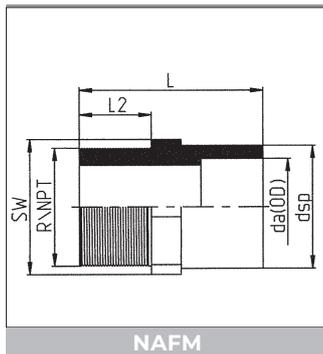
PE 100 RC



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	37.80
25	3/4"	121	40	35	37	16.0	36	40	24.12	26.44	11	0,19	41.44
32	1"	133	44	42	40	21.0	41	44	30.29	33.25	11	0,24	45.46
40	1 1/4"	148	49	53	44	27.5	50	49	38.95	41.91	17-11	0,39	59.97
50	1 1/2"	167	56	67	49	33.5	60	55	44.85	47.80	17-11	0,69	90.73
63	2"	194	67	83	56	42.0	70	63	56.66	59.61	17-11	1.02	123.10



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

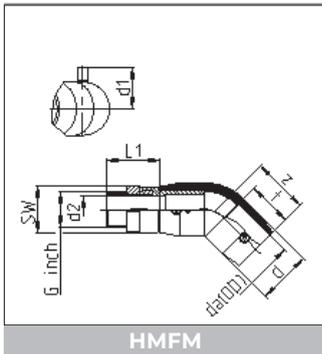
Met messing buitendraad.
Avec filetage mâle, laiton.
With male thread brass.

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	38.30
25	3/4"	127	46	35	37	16.0	36	40	24.12	26.44	11	0,18	42.21
32	1/2"	132	43	42	43	12.0	41	44	18.63	20.96	11	0,26	52.09
32	3/4"	133	44	42	43	16.0	41	44	24.12	26.44	11	0,25	52.59
32	1"	138	49	42	40	21.0	41	44	30.29	33.25	11	0,24	53.29
32	1 1/4"	138	49	42	43	21.0	46	44	38.95	41.91	11	0,39	62.35
32	1 1/2"	140	51	42	43	21.0	55	44	44.85	47.80	11	0,56	75.29
40	1"	147	48	53	47	21.0	50	49	30.29	33.25	17-11	0,38	64.67
40	1 1/4"	151	52	53	44	27.5	50	49	38.95	41.91	17-11	0,36	65.26
40	1 1/2"	151	52	53	47	28.0	55	49	44.85	47.80	17-11	0,49	74.91
40	2"	155	56	53	47	28.0	65	49	56.56	59.61	17-11	0,88	100.17
50	1"	159	48	67	53	21.0	60	55	30.29	33.25	17-11	0,62	81.30
50	1 1/4"	162	51	67	53	28.0	60	55	38.95	41.91	17-11	0,60	84.32
50	1 1/2"	166	55	67	49	33.5	60	55	44.85	47.80	17-11	0,53	88.02
50	2"	168	57	67	53	34.0	65	55	56.66	59.61	17-11	0,84	96.99
63	1 1/4"	179	52	83	60	28.0	70	63	38.95	41.91	17-11	0,92	104.12
63	1 1/2"	183	56	83	60	34.0	70	63	44.85	47.80	17-11	0,88	104.46
63	2"	189	62	83	56	42.0	70	63	56.66	59.61	17-11	0,83	104.72



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

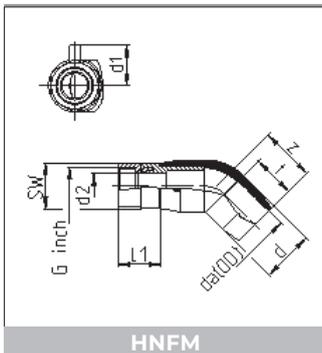
PE 100 RC



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	49.19
25	3/4"	52	46	35	37	16.0	36	40	24.12	26.44	11	0.180	51.57
32	1"	56	49	42	40	21.0	41	44	30.29	33.25	11	0.260	56.17
40	1 1/4"	63	52	53	44	27.5	50	49	38.95	41.91	17-11	0.400	74.31
50	1 1/2"	70	55	67	49	33.5	60	55	44.85	47.80	17-11	0.572	105.93
63	2"	82	62	83	56	42.0	70	63	56.66	59.61	17-11	0.903	141.67



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

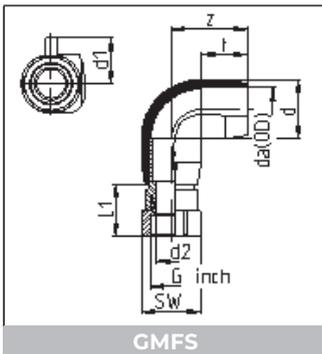
Met messing buitendraad.
 Avec filetage mâle, laiton.
 With male thread brass.

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	49.72
25	3/4"	52	40	35	37	16.0	36	40	24.12	26.44	11	0.202	52.37
32	1"	56	44	42	40	21.0	41	44	30.29	33.25	11	0.270	64.01
40	1 1/4"	63	49	53	44	27.5	50	49	38.95	41.91	17-11	0.430	79.56
50	1 1/2"	70	56	67	49	33.5	60	55	44.85	47.80	17-11	0.600	98.12
63	2"	82	67	83	56	42.0	70	63	56.66	59.61	17-11	1.150	141.69



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

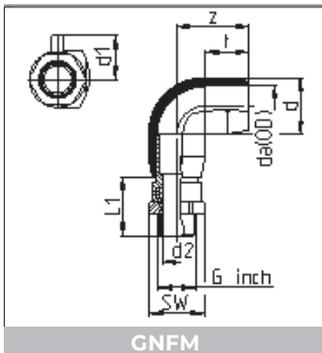
PE 100 RC



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

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

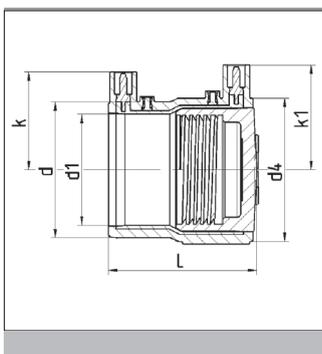
da	G inch	z	L1	d	d1	d2	SW	t	K	E	SDR	KG ST/PC	€ ST/PC
20	1/2"	58	36	30	34	12.0	32	37	18.63	20.96	11	0.177	49.20
25	3/4"	61	40	35	37	16.0	36	40	24.12	26.44	11	0.215	51.57
32	1"	65	44	42	40	21.0	41	44	30.29	33.25	11	0.276	56.17
40	1 1/4"	75	49	53	44	27,5	50	49	38.95	41.91	17-11	0.427	74.31
50	1 1/2"	85	56	67	49	33,5	60	55	44.85	47.80	17-11	0.775	105.93
63	2"	100	67	83	56	42.0	70	63	56.66	59.61	17-11	0.900	141.69



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	49.72
25	3/4"	61	46	35	37	16.0	36	40	24.12	26.44	11	0.196	52.41
32	1"	65	49	42	40	21.0	41	44	30.29	33.25	11	0.265	64.01
40	1 1/4"	75	52	53	44	27,5	50	49	38.95	41.91	17-11	0.412	79.56
50	1 1/2"	85	55	67	49	33,5	60	55	44.85	47.80	17-11	0.617	111.92
63	2"	100	62	83	56	42.0	70	63	56.66	59.61	17-11	0.966	123.28



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

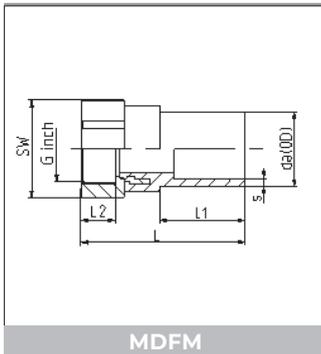
Voor aanboorzadels
 Pour colliers de prise en charge
 For clamp saddles

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	16.91
90-315	83.0	78.0	64	82.6	56	60	11	0.20	16.91



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

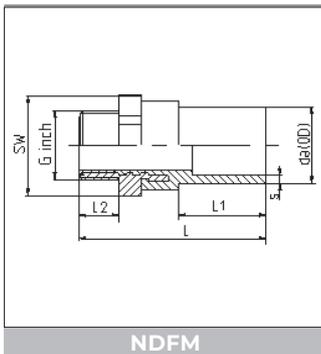
PE 100 RC



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	25.83
25	3/4"	3.0	80	43	28	36	24.12	26.44	11	0.151	27.86
32	1"	3.0	88	46	34	41	30.29	33.25	11	0.197	30.90
40	1 1/4"	3.7	98	51	36	50	38.95	41.91	17-11	0.295	43.22
50	1 1/2"	4.6	110	57	43	60	44.85	47.80	17-11	0.525	65.00
63	2"	5.8	129	65	52	70	56.66	59.61	17-11	0.768	92.71



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	26.22
25	3/4"	3.0	85	43	16	36	24.12	26.44	11	0,133	28.54
32	1/2"	3.0	88	46	16.5	41	18.63	20.96	11	0.195	37.08
32	3/4"	3.0	90	46	18.0	41	24.12	26.44	11	0.187	37.29
32	1"	3.0	92	46	19.0	41	30.29	33.25	11	0,185	37.75
32	1 1/4"	3.0	95	46	23.0	41	38.95	41.91	11	0.300	45.90
32	1 1/2"	3.0	97	46	25.0	41	44.85	47.80	11	0.480	57.23
40	1"	3.7	99	51	21.0	50	30.29	33.25	11	0.290	47.16
40	1 1/4"	3.7	100	51	21.0	50	38.95	41.91	17-11	0,269	47.82
40	1 1/2"	3.7	103	51	25.0	50	44.85	47.80	17-11	0.400	56.41
40	2"	3.7	107	51	29.0	50	56.66	59.61	11	0.760	79.87
50	1"	4.6	105	57	21.0	60	30.29	33.25	11	0.440	54.29
50	1 1/4"	4.6	108	57	22.0	60	38.59	41.91	11	0.427	55.93
50	1 1/2"	4.6	109	57	24.8	60	44.85	47.80	17-11	0,380	58.91
50	2"	4.6	114	57	29.0	60	56.66	59.61	11	0.680	67.37
63	1 1/4"	5.8	117	65	21.0	70	38.95	41.91	11	0.634	75.98
63	1 1/2"	5.8	121	65	25.0	70	44.85	47.80	11	0.570	76.26
63	2"	5.8	124	65	27.0	70	56.66	59.61	17-11	0.573	76.55

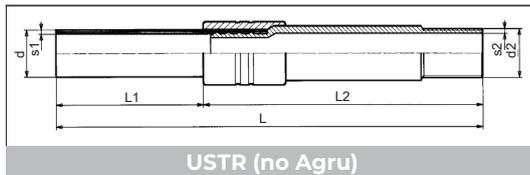
Eveneens leverbaar MDFM en NDFM met staal
 Aussi livrable MDFM et NDFM avec acier
 Also available MDFM and NDFM with steel

20 x 1/2" 25 x 3/4" 32 x 1" 40 x 1 1/4" 50 x 1 1/2" 63 x 2"



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electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC

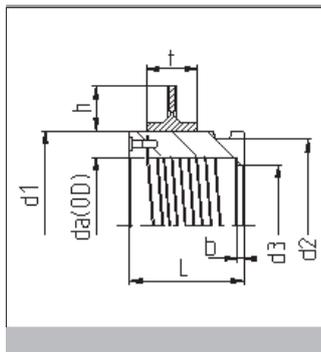


USTR (no Agru)

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

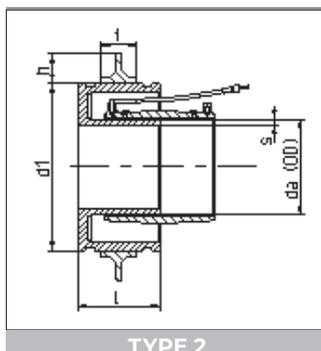
d	d2	L	L1	L2	s1	s2	SDR	KG/ ST/PC	€/ ST/PC
25	27.5	495	160	335	3.0	2.6	11	0.7	91.58
32	33.7	495	160	335	3.0	3.2	11	1.0	103.54
40	42.4	495	160	335	3.7	3.2	11	1.3	118.03
50	48.3	495	160	335	4.6	3.2	11	1.5	127.68
63	60.3	520	185	335	5.8	3.6	11	2.4	149.33
75	76.0	525	190	335	6.8	3.6	11	3.4	327.65
90	88.9	525	190	335	8.2	4.0	11	4.0	472.24
110	114.3	525	190	335	10.0	4.5	11	6.2	570.94
125	114.3	525	190	335	11.4	4.5	11	6.6	674.63
140	139.7	600	200	400	12.7	5.0	11	10.5	795.04
160	168.3	650	200	450	14.6	5.0	11	13.4	860.12
180	168.3	650	200	450	16.4	5.0	11	13.8	1175.66
200	219.1	700	200	500	18.2	5.6	11	21.9	1247.99
225	219.1	700	200	500	20.5	5.6	11	23.5	1284.21
250	273.0	880	300	580	22.7	6.3	11	32.7	2085.96
280	273.0	880	300	580	25.4	6.3	11	39.2	3071.15
315	323.9	930	350	580	28.6	8.0	11	60.4	3412.38



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	311.70
225	135	272	212	50.0	60	33-11	3.38	324.02
280	135	345	264	50.0	60	33-11	5.20	388.03
355	135	440	338	37.5	75	33-11	8.60	783.20
450	135	494	430	37.5	75	33-11	6.20	838.81
560	135	620	540	37.5	75	33-11	10.60	908.36



TYPE 2

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

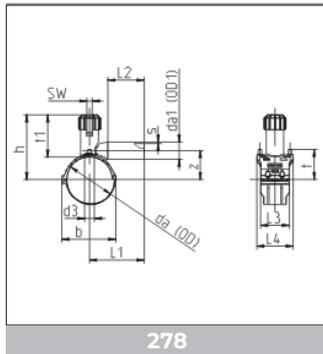
Met muurkraag gemonteerd / Avec collet mural monté / With assembled puddle frange

da	L	d1	s	h	t	SDR	KG/ST/PC	€/ST/PC
110	135	216	6.6	50	60	33-17	3.600	387.46
125	135	216	7.4	50	60	33-17	4.460	415.58
160	135	280	9.5	50	60	33-17	5.600	445.60
180	135	310	10.7	50	60	33-17	7.600	510.14
200	135	312	11.9	50	60	33-17	6.338	519.35
225	135	355	13.4	50	60	33-17	9.400	871.55
250	135	375	14.8	37.5	75	33-17	11.200	910.18
280	135	420	16.6	37.5	75	33-17	12.125	1178.89
315	135	460	18.7	37.5	75	33-17	17.900	1132.61
355	135	480	21.1	37.5	75	33-17	18.001	1222.97
400	135	550	23.7	37.5	75	33-17	26.400	1475.11



electrolasfittings met geïntegreerde lasmof - AGRULINE
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electrofusion fittings with integrated sockets - AGRULINE

PE 100 RC



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

278

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	54.72
* 40/25	3.0	36.0	110	89	70	16	103.0	71.5	10	45.5	82.0	0.108	54.72
40/32	3.0	36.0	120	92	70	16	103.0	71.5	10	45.5	82.0	0.189	54.72
63/20	3.0	60.0	120	78	102	26	169.5	99.0	10	59.5	138.0	0.560	64.21
63/25	3.0	58.0	120	89	102	26	169.5	99.0	10	59.5	138.0	0.560	64.21
63/32	3.0	57.0	129	92	102	26	169.5	99.0	10	59.5	138.0	0.560	64.21
* 63/40	3.7	58.5	141	102	102	26	169.5	99.0	10	59.5	138.0	0.580	71.28
63/63	5.8	60.0	178	130	102	26	169.5	99.0	10	59.5	138.0	0.690	71.28
* 90/20	3.0	67.0	120	78	103	32	196.5	128.0	17	73.0	151.5	0.734	70.46
* 90/25	3.0	67.0	125	89	103	32	196.5	128.0	17	73.0	152.0	0.741	70.46
90/32	3.0	67.0	130	92	103	32	196.5	128.0	17	73.0	152.0	0.785	70.46
* 90/40	3.7	67.0	150	130	103	32	196.5	128.0	17	73.0	152.0	0.772	77.33
90/63	5.8	67.0	184	130	103	32	196.5	128.0	17	73.0	152.0	0.885	77.33
110/20	3.0	76.0	120	78	103	32	206.5	149.0	17	83.0	152.0	0.812	79.42
110/25	3.0	76.0	125	89	103	32	206.5	149.0	17	83.0	152.0	0.800	79.42
110/32	3.0	76.0	131	95	103	32	206.5	149.0	17	83.0	152.0	0.800	79.42
110/40	3.7	76.0	151	102	103	32	206.5	149.0	17	83.0	152.0	0.834	84.45
110/63	5.8	82.5	185	130	103	32	206.5	149.0	17	83.0	152.0	0.945	84.45
* 125/20	3.0	82.0	120	78	103	32	214.0	166.0	17	91.0	152.0	0.810	92.26
125/25	3.0	82.0	125	89	103	32	214.0	166.0	17	91.0	152.0	0.808	92.26
125/32	3.0	82.0	131	95	103	32	214.0	166.0	17	91.0	152.0	0.820	92.26
* 125/40	3.7	82.0	151	102	103	32	214.0	166.0	17	91.0	152.0	0.850	98.22
125/63	5.8	82.0	185	130	103	32	214.0	166.0	17	91.0	152.0	0.980	98.22
* 160/20	3.0	98.5	121	78	103	32	231.5	204.0	17	108.0	152.0	0.850	119.77
* 160/25	3.0	99.0	125	89	103	32	231.5	204.0	17	108.0	152.0	0.504	119.77
160/32	3.0	99.0	130	92	103	32	231.5	204.0	17	108.0	152.0	0.890	119.77
* 160/40	3.7	103.5	148	102	103	32	231.5	204.0	17	108.0	152.0	0.930	130.74
160/63	5.8	102.5	198	130	103	32	231.5	204.0	17	108.0	152.0	1.058	130.74
** 180/25	3.0	115.0	125	89	102	32	241.5	220.0	17	121.0	152.0	0.940	147.61
180/32	3.0	115.0	130	95	102	32	241.5	220.0	17	121.0	152.0	0.933	147.61
180/63	5.8	115.0	198	130	103	32	241.5	220.0	17	121.0	152.0	1.070	147.61
** 200/20	3.0	116.0	120	78	102	32	251.5	253.0	17	128.0	152.0	0.990	169.01
** 200/25	3.0	117.0	125	89	102	32	251.5	253.0	17	128.0	152.0	0.600	169.01
200/32	3.0	118.0	130	95	102	32	251.5	253.0	17	128.0	152.0	1.000	169.01
** 200/40	3.7	118.0	158	102	102	32	251.5	253.0	17	128.0	152.0	1.040	171.71
200/63	5.8	122.0	198	130	102	32	251.5	253.0	17	128.0	152.0	1.120	171.71
** 225/25	3.0	138.5	125	89	102	32	297.0	275.0	17	140.5	184.0	1.170	182.61
225/32	3.0	138.5	130	92	102	32	297.0	275.0	17	140.5	184.0	1.170	182.61
225/63	5.8	138.5	207	130	102	32	297.0	275.0	17	140.5	184.0	1.300	194.67
** 250/32	3.0	151.0	130	92	102	32	297.0	265.5	17	155.0	184.5	1.110	247.57
250/63	5.8	151.0	207	130	102	32	297.0	265.5	17	140.5	184.0	1.330	247.57
315/63	5.8	181.5	215	130	104	32	342.0	390.0	17	185.0	184.0	1.350	265.21

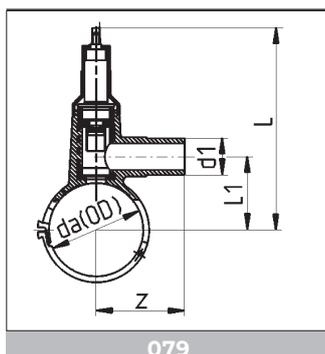
* min. 1000 st/pc

** min. 500 st/pc



electrolasfittings met geïntegreerde lasmof - AGRULINE
 raccords en PEHD avec manchon électrique intégré - 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.

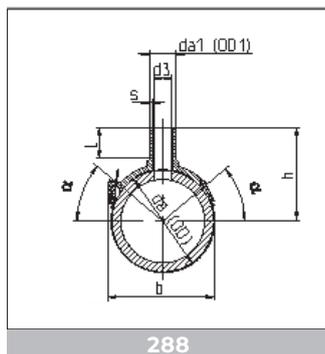
da/da1	L1	L	z	KG/ST/PC	€/ST/PC
63/32	131.0	163	65.3	1.548	369.11
63/40	140.0	163	65.3	1.660	369.11
63/50	160.5	163	65.3	1.647	378.30
63/63	187.0	163	65.3	1.770	378.30
90/32	135.0	203	79.0	2.420	381.18
90/40	145.0	203	79.0	2.440	381.18
90/50	161.0	203	79.0	2.500	391.66
90/63	192.0	203	79.0	2.519	391.66
110/32	137.0	203	87.0	2.460	392.54
110/40	147.0	203	87.0	2.498	392.54
110/50	160.0	203	87.0	2.497	396.44
110/63	192.6	203	87.0	2.588	396.44
125/32	137.0	203	95.9	2.490	399.60
125/40	147.0	203	95.9	2.491	399.60
125/50	161.0	203	95.9	2.520	404.21
125/63	192.0	203	95.9	2.610	404.21
140/32	137.0	203	103.5	2.460	401.89
140/40	147.0	203	103.5	2.500	401.89
140/50	161.0	203	103.5	2.520	403.97
140/63	192.0	203	103.5	2.600	405.85
160/32	137.0	203	113.2	2.550	410.22
160/40	147.0	203	113.2	2.560	410.22
160/50	161.0	203	113.2	2.600	415.14
160/63	189.0	203	113.2	2.680	415.14
180/32	137.0	203	124.0	2.644	442.23
180/40	147.0	203	124.0	2.623	442.23
180/50	161.0	203	124.0	2.689	453.33
180/63	189.0	203	124.0	2.772	453.33
200/32	137.0	203	134.0	2.502	454.08
200/40	146.0	203	134.0	2.500	454.08
200/50	159.0	203	134.0	2.550	456.62
200/63	191.0	203	134.0	2.620	456.62
225/32	137.0	203	147.6	2.550	524.05
225/40	147.0	203	147.6	2.553	524.05
225/50	160.0	203	147.6	2.600	537.19
225/63	192.0	203	147.6	2.700	537.19
250/63	224.5	203	169.6	2.495	566.29
315/63	192.0	203	203.6	2.800	587.71
355/63	192.0	203	203.0	2.800	587.71

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.



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

PE 100 RC



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	97.87
90/ 32	130.0	24	120.0	3.0	0	60	0.180	98.11
90/ 40	130.0	32	120.0	3.7	0	64	0.350	98.11
90/ 63	141.5	45	120.0	5.8	0	77	0.260	100.19
110/ 20	138.5	12	143.5	3.0	0	56	0.204	98.56
110/ 32	138.5	24	143.5	3.0	0	60	0.210	98.82
110/ 40	138.5	31	143.5	3.7	0	64	0.220	98.82
110/ 63	153.5	45	143.5	5.8	0	77	0.305	101.34
125/ 20	145.5	12	155.0	3.0	0	56	0.224	128.18
125/ 32	145.5	24	155.0	3.0	0	60	0.229	128.47
125/ 40	145.5	32	155.0	3.7	0	64	0.236	128.47
125/ 63	158.5	45	155.0	5.8	0	77	0.323	152.41
140/ 20	145.5	12	170.0	3.0	0	56	0.224	128.64
140/ 32	145.5	24	170.0	3.0	0	60	0.350	128.64
140/ 40	145.5	32	170.0	3.7	0	64	0.367	128.64
140/ 63	166.0	45	170.0	5.8	0	77	0.323	153.12
160/ 32	168.0	24	193.5	3.0	0	60	0.444	118.32
160/ 40	168.0	31	193.5	3.7	0	64	0.428	118.42
160/ 50	184.0	36	193.5	4.6	0	71	0.487	120.78
160/ 63	184.0	45	193.5	5.8	0	77	0.510	119.84
160/ 90	202.0	65	196.5	8.2	0	92	0.881	146.07
160/110	202.0	84	196.5	10.0	0	98	0.949	147.24
180/ 32	177.0	24	214.5	3.0	0	60	0.472	120.28
180/ 40	177.0	31	214.5	3.7	0	64	0.481	120.44
180/ 50	193.0	36	214.5	4.6	0	71	0.565	120.98
180/ 63	193.0	45	214.5	5.8	0	77	0.589	121.39
180/ 90	216.0	65	216.5	8.2	0	92	1.005	147.93
180/110	216.0	84	216.5	10.0	0	98	1.095	149.01
200/ 20	181.0	12	230.0	3.0	40	56	0.269	134.01
200/ 32	185.0	24	230.0	3.0	40	60	0.272	134.01
200/ 40	189.0	32	230.0	3.7	40	64	0.278	134.01
200/ 63	202.0	45	230.0	5.8	40	77	0.519	139.55
225/ 32	203.0	24	244.5	3.0	0	60	0.464	142.52
225/ 40	203.0	31	244.5	3.7	0	64	0.470	141.96
225/ 50	219.0	36	244.5	4.6	40	71	0.530	143.20
225/ 63	219.0	45	244.5	5.8	40	77	0.555	143.60
225/ 90	237.0	65	244.5	8.2	30	92	0.942	161.76
225/110	237.0	84	244.5	10.0	30	97	1.018	163.09
250/ 50	231.0	36	242.0	4.6	40	72	0.376	153.24
250/ 63	231.0	45	266.0	5.8	40	77	0.550	153.24
250/ 75	251.0	55	266.0	6.8	30	86	0.731	174.56
250/ 90	251.0	65	266.0	8.2	30	92	0.991	174.56
250/110	251.0	84	266.0	10.0	30	98	1.068	175.80
280/ 50	231.0	45	305.0	4.6	40	72	0.376	153.90
280/ 63	231.0	45	305.0	5.8	40	77	0.550	153.90
280/ 90	251.0	65	305.0	8.2	30	92	1.038	210.70
280/110	251.0	84	305.0	10.0	30	98	1.068	212.25
315/ 63	266.0	45	294.0	5.8	40	77	0.619	154.38
315/ 90	285.0	65	326.5	8.2	30	92	1.059	176.43
315/110	285.0	84	326.5	10.0	30	98	1.185	177.78
355/ 63	266.0	45	294.0	5.8	40	77	0.619	199.83
355/ 90	285.0	65	326.5	8.2	30	92	1.060	237.03
355/110	285.0	84	326.5	10.0	30	98	1.190	246.27

Onderste deel : schroefbaar

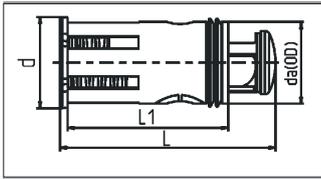
Partie inf. : vissable

Bottom part: screwable



electrolasfittings met geïntegreerde lasmof - AGRU GAS-LOCK
raccords en PEHD avec manchon électrique intégré - 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 bouw- werkzaamheden. 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.

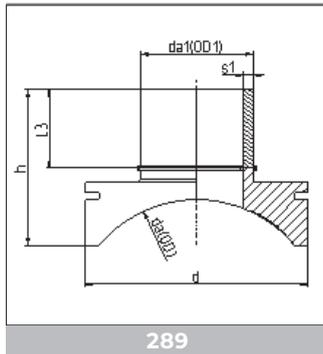
Immediately stops gas leaks when a branched gas pipe is damaged during construction works. The excess gas flow valve can be integrated to PE100RC saddle fittings. They consist of a PPA/PA6T/6I housing with a stainless steel spring and a NBR seal. Once the leak is repaired and counter pressure is applied 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 (m ³ /h)	min. afsluit debiet débit min.fermeture min. shut of flow (m ³ /h)	min. afsluit debiet débit min. fermeture min. shut of flow @ 1 bar (m ³ /h)	min. afsluit debiet débit min. fermeture min. shut of flow @ 4 bar (m ³ /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



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

PE 100 RC



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

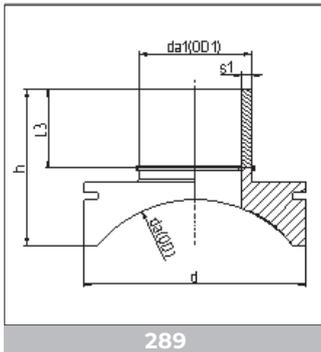
SDR 11, ISO S-5

da/da1	MOP	h	d	s1	L3	KG/ST/PC
355/ 90	16	176	200	8.2	94	1.27
355/110	16	194	250	10.0	97	2.23
335/125	16	209	280	11.4	102	2.98
355/160	16	236	315	14.6	113	4.30
355/200	16	297	400	18.2	127	9.90
400/ 63	16	157	200	5.8	78	1.15
400/ 90	16	173	200	8.2	94	1.26
400/110	16	189	250	10.0	97	2.20
400/125	16	204	280	11.4	102	2.90
400/250	16	327	450	22.7	144	13.45
450/ 63	16	155	200	5.8	78	1.16
450/ 90	16	171	200	8.2	94	1.20
450/110	16	186	250	10.0	97	2.10
450/125	16	199	280	11.4	102	3.30
450/160	16	234	315	14.6	113	4.58
500/ 63	16	152	200	5.8	78	1.07
500/ 90	16	168	200	8.2	94	1.22
500/110	16	182	250	10.0	97	2.00
500/125	16	195	280	11.4	102	2.74
500/160	16	229	315	14.6	113	4.50
500/200	16	272	400	18.2	127	8.40
500/225	16	277	400	20.5	135	8.76
560/ 90	16	166	200	8.2	94	1.17
560/110	16	179	250	10.0	97	1.81
560/125	16	191	280	11.4	102	2.68
560/160	16	223	315	14.6	113	4.38
560/180	16	244	355	16.4	120	6.00
560/225	16	270	400	20.5	135	8.30
560/250	16	300	450	22.7	144	11.40
560/280	16	328	500	25.4	154	15.50
560/315	16	357	560	28.6	165	21.50
630/ 63	16	150	200	5.8	78	1.10
630/ 90	16	166	200	8.2	94	1.18
630/110	16	176	250	10.0	97	2.00
630/125	16	188	280	11.4	102	2.60
630/160	16	219	315	14.6	113	4.28
630/200	16	258	400	18.2	127	7.92
630/280	16	318	500	25.4	154	14.80
630/315	16	346	560	28.6	165	20.50
710/ 90	16	164	200	8.2	94	1.17
710/110	16	174	250	10.0	97	2.00
710/160	16	214	315	14.6	113	4.16
710/225	16	257	400	20.5	135	8.00
800/ 63	16	146	200	5.8	78	1.10
800/125	16	181	280	11.4	102	2.51
800/160	16	211	315	14.6	113	4.10
800/225	16	252	400	20.5	135	7.80
800/250	16	276	450	22.7	144	10.50
800/315	16	325	560	28.6	165	18.40
900/280	16	293	500	25.4	154	13.10



electrolasfittings met geïntegreerde lasmof - AGRULINE
 raccords en PEHD avec manchon électrique intégré - 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
1000/160	16	214	315	14.6	113	4.68
1000/200	16	246	400	18.2	127	8.20
1000/225	16	253	400	20.5	165	8.76
1000/250	16	274	450	22.7	144	11.20
1000/315	16	318	560	28.6	165	19.30
1000/355	16	355	560	32.2	179	26.50
1200/110	16	166	250	10.0	97	1.80
1200/315	16	336	560	28.6	165	23.90
1200/355	16	370	630	32.2	179	32.20
1400/110	16	164	250	10.0	97	1.80
1400/400	16	371	630	36.3	194	32.20
1600/450	8	398	710	40.9	210	42.50

SDR 17, ISO S-8

da/da1	MOP	h	d	s1	L3	KG/ST/PC
1800/500	5	425	800	29.7	227	50.70
2000/560	5	457	900	33.2	250	66.50
2250/630	5	490	1000	37.4	270	86.00
2500/710	5	524	1120	42.1	270	125.00

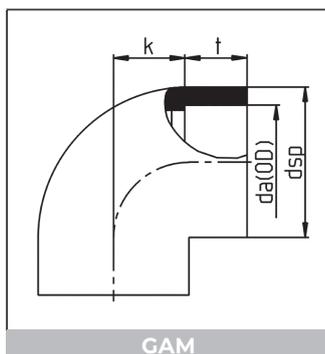
prijzen op aanvraag / prix sur demande / prices on request

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



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

PE 100

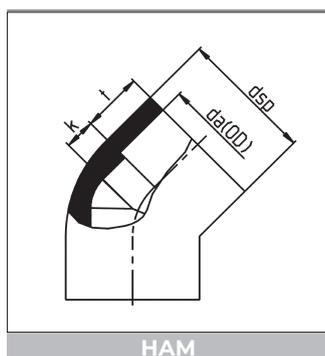


KNIEEN 90°
COUDES A 90°
ELBOWS 90°

PN 16

Gespoten
Injectés
Moulded

da	dsp	K	t	KG/ST/PC	€/ST/PC
20	29.3	14	16.0	0.02	3.45
25	35.1	17	18.0	0.03	4.14
32	43.2	20	19.5	0.05	5.08
40	53.3	25	21.5	0.08	6.39
50	65.0	28	25.0	0.14	11.85
63	81.5	35	30.5	0.26	15.40
75	92.0	38	33.0	0.33	32.56
90	112.5	49	36.5	0.58	40.89
110	133.0	57	43.0	0.87	61.73



KNIEEN 45°
COUDES A 45°
ELBOWS 45°

PN 16

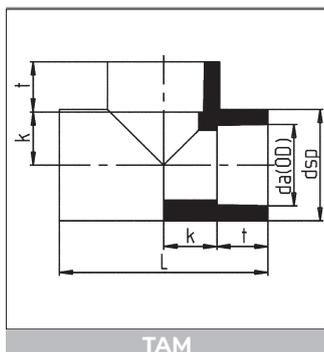
Gespoten
Injectés
Moulded

D	dsp	K	t	KG/ST/PC	€/ST/PC
20	29	11.0	16.0	0.02	4.14
25	35	14.0	18.0	0.03	4.95
32	43	17.0	20.0	0.04	5.55
40	53	21.0	22.0	0.07	7.16
50	65	26.0	24.0	0.11	9.95
63	81	33.0	29.0	0.19	12.74
75	92	38.5	32.5	0.24	28.08
90	113	46.0	36.0	0.46	39.32
110	135	56.0	43.0	0.68	58.34



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

PE 100

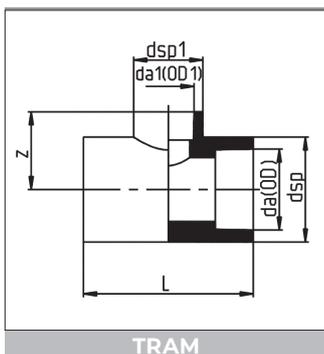


T-STUKKEN 90°
TES A 90°
TEES 90°

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	4.00
25	35.2	70.0	17.0	18.0	0.05	4.49
32	43.0	80.0	20.0	20.0	0.07	5.52
40	53.0	92.0	24.0	22.0	0.11	6.79
50	65.0	107.5	30.0	24.5	0.18	11.44
63	81.0	128.5	35.5	29.0	0.31	16.48
75	93.0	152.0	38.5	32.5	0.48	34.25
90	114.0	184.0	55.0	37.0	0.85	54.62
110	134.0	206.0	57.0	43.0	1.14	72.99



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

PN 16

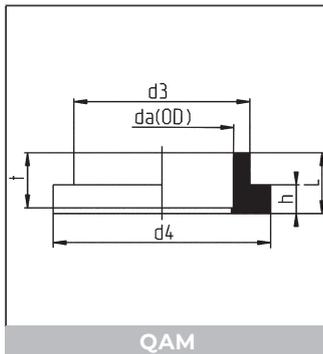
Gespoten
Injectés
Moulded

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	5.29
32 x 20	43.0	29.9	79.7	39.8	0.07	6.50
32 x 25	43.0	35.0	80.0	40.0	0.07	6.50
40 x 20	53.0	30.0	91.0	46.0	0.10	7.44
40 x 25	53.2	35.3	92.0	46.8	0.10	7.44
40 x 32	53.0	43.0	91.0	45.0	0.11	7.44
50 x 20	65.4	30.0	110.0	50.0	0.17	11.97
50 x 25	65.5	35.5	109.0	51.0	0.17	11.97
50 x 32	65.0	43.0	108.0	54.0	0.17	11.97
50 x 40	65.0	53.0	107.0	52.5	0.17	11.97
63 x 25	80.0	36.0	128.5	65.0	0.28	17.53
63 x 32	81.0	43.5	129.5	65.0	0.29	17.53
63 x 40	81.0	53.0	129.5	65.0	0.29	17.53
63 x 50	81.0	66.0	129.5	65.0	0.30	17.53



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

PE 100



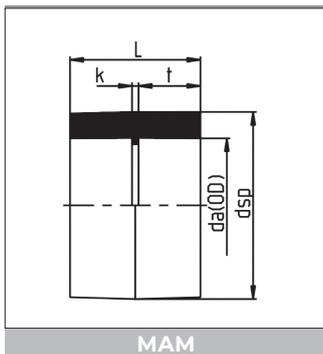
QAM

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	3.63
25	33	58	10.0	23.0	18.0	0.02	3.85
32	41	68	10.0	23.5	19.0	0.04	4.32
40	50	78	10.5	26.0	21.5	0.05	5.29
50	61	88	13.0	29.0	24.0	0.06	6.67
63	76	102	14.0	32.5	28.0	0.09	8.20
75	90	122	16.0	38.0	32.0	0.16	12.54
90	108	138	17.0	42.0	37.0	0.21	24.51
110	131	158	18.0	47.0	42.0	0.30	36.38



MAM

SOKKEN
MANCHONS
SOCKETS

PN 16

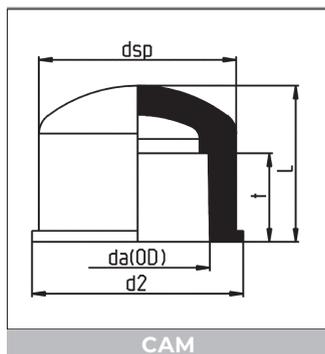
Gespoten
Injectés
Moulded

da	dsp	k	t	L	KG/ST/PC	€/ST/PC
20	29.4	3.0	16.0	35.0	0.01	2.57
25	35.1	3.0	18.0	39.0	0.02	2.66
32	43.2	3.0	20.0	43.0	0.03	3.47
40	51.0	6.0	21.0	47.0	0.04	4.49
50	64.4	4.5	24.0	52.5	0.07	6.93
63	81.0	4.5	28.0	60.5	0.11	9.43
75	92.5	3.0	33.5	70.0	0.15	13.27
90	115.0	6.0	36.0	78.5	0.30	18.89
110	133.5	6.0	42.0	92.0	0.40	33.70



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

PE 100



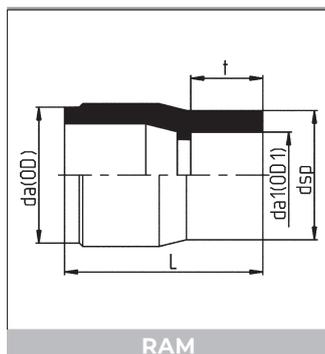
CAM

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	3.22
25	35.0	38.0	28.5	18.0	0.01	3.42
32	43.0	46.0	35.0	20.0	0.02	3.83
40	52.5	58.0	38.0	22.0	0.04	4.90
50	64.5	70.0	48.5	24.5	0.07	6.39
63	81.0	86.5	59.0	29.0	0.13	8.82
75	92.5	98.0	67.0	32.0	0.17	14.26
90	113.0	119.0	77.0	37.0	0.29	18.08
110	134.0	140.5	94.0	42.5	0.44	26.18



RAM

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

PN 16

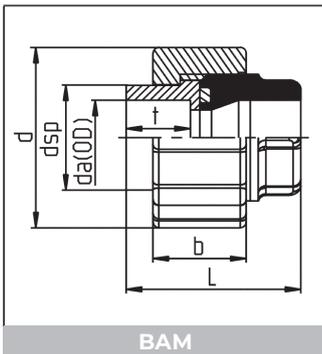
Gespoten
Injectés
Moulded

da x da1	dsp	t	L	KG/ST/PC	€/ST/PC
25 x 20	30.0	16	39.0	0.01	3.18
32 x 20	30.0	16	44.5	0.02	3.91
32 x 25	35.0	18	45.0	0.02	3.91
40 x 20	29.5	16	50.0	0.02	4.70
40 x 25	34.5	18	50.0	0.03	4.70
40 x 32	42.8	20	50.0	0.03	4.70
50 x 20	29.4	16	55.5	0.04	5.46
50 x 25	34.7	18	55.0	0.03	5.46
50 x 32	43.7	20	55.0	0.04	5.46
50 x 40	52.8	22	54.5	0.04	5.46
63 x 25	34.8	18	64.0	0.06	7.52
63 x 32	42.9	20	65.0	0.07	7.52
63 x 40	52.8	22	64.5	0.07	7.52
63 x 50	64.8	24	65.0	0.08	7.52
75 x 63	81.5	29	64.0	0.11	12.67
90 x 63	80.8	29	86.5	0.19	18.31
90 x 75	93.0	32	86.6	0.19	18.31
110 x 63	81.2	29	90.0	0.27	24.88
110 x 90	113.8	37	88.7	0.30	24.88



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

PE 100



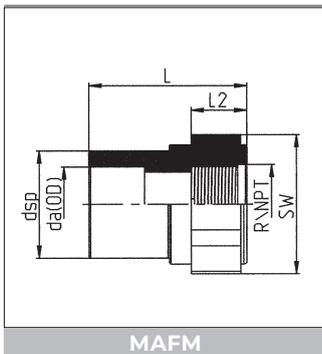
BAM

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	18.36
25	35.7	49	18.0	57	26	0.06	19.98
32	41.3	53	20.0	64	30	0.08	24.01
40	52.8	59	22.0	78	31	0.14	33.89
50	58.6	67	24.5	89	35	0.18	47.99
63	73.6	79	29.0	109	39	0.31	65.27



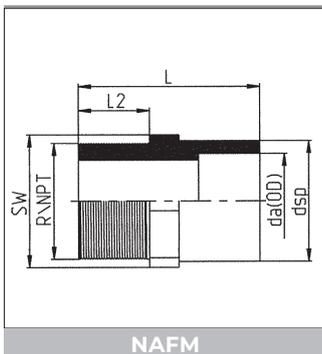
MAFM

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	8.17
25	25 x 3/4"	35.0	50.5	18.0	41	0.75	0.03	9.22
32	32 x 1 "	43.0	57.0	20.0	46	1.00	0.05	12.13
40	40 x 1 1/4"	52.5	62.5	24.0	55	1.25	0.07	13.86
50	50 x 1 1/2"	63.5	68.0	24.5	70	1.50	0.12	21.81
63	63 x 2 "	80.0	74.0	30.0	85	2.00	0.19	27.31



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	7.66
25	25 x 1 "	32	61	24	36	1.00	0.03	9.69
32	32 x 1 1/4"	40	66	27	46	1.25	0.04	11.68
40	40 x 1 1/2"	50	74	29	55	1.50	0.06	19.15
50	50 x 2 "	63	78	31	65	2.00	0.10	24.20



27 / DN 15-50

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.



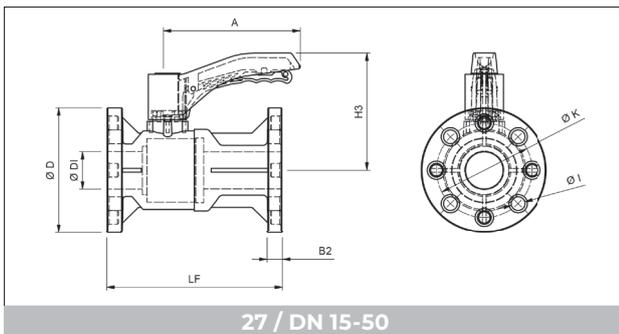
27A / DN 65-100

Opties / Option :

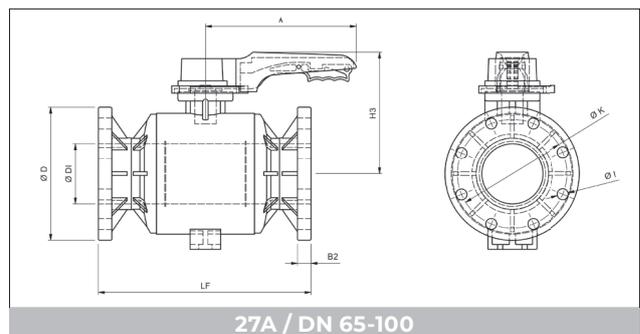
- Pneumatische en elektrische aandrijvingen (+ toebehoren)
- spindelverlengingen voor isolatie
- ATEX uitvoering
- diameters tot DN 150
- dodemanshendel
- terugmeldingen (open-dicht)

- 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	Bouton Boulon Bolts	Torque*	PE-HD		
															m³/h	Nm	EPDM
15	20	1/2"	10	11,1	6	95	115	140	130	13.0	4 x 14	65	4xM12	7,5	134.50	145.14	177.70
20	25	3/4"	10	21.0	6	105	115	140	150	14.0	4 x 14	75	4xM12	9.0	165.77	178.31	217.46
25	32	1"	10	42.0	8	117	125	140	160	15.0	4 x 14	85	4xM12	10.0	187.85	206.63	239.54
32	40	1 1/4"	10	60.0	12	140	145	175	180	17.0	4 x 18	100	4xM16	20.0	240.69	257.72	308.59
40	50	1 1/2"	10	96.0	12	150	145	175	200	17,5	4 x 18	110	4xM16	20.0	267.06	290.89	334.87
50	63	2"	10	186.0	19	165	155	175	230	18.0	4 x 18	125	4xM16	25.0	319.79	347.00	431.78
65	75	2 1/2"	10	300.0	18	185	205	250	290	20.0	4 x 18	145	4xM16	25.0	598.43	641.01	771.38
80	90	3"	10	420.0	18	200	205	250	310	20.0	8 x 18	160	8xM16	30.0	706.20	756.66	901.50
100	110	4"	10	840.0	40	225	215	250	350	21.0	8 x 18	180	8xM16	30.0	892.65	944.16	1089.08

Torque = draaimoment / couple de manoeuvre / torque operation

Torque* = aandraaimoment flensbouten / couple de serrage boulons / tightening torque flange bolts



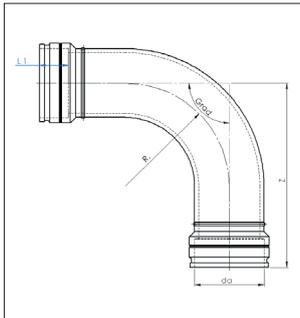
electrolasfittings met aangevormde lasmof
raccords en PEHD avec manchon électrique intégré
electrofusion fittings with integrated sockets

PE 100

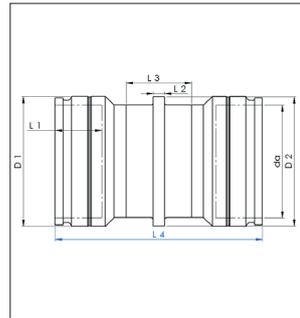
Drukbestendige hulpstukken met geïntegreerde electrolasmof tot diam. 1200 mm.
SDR 26 tot SDR 7,4
DVGW gekeurd en lasbaar met de Hürner lasapparaten.

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.

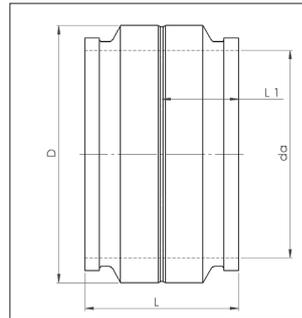
Pressure-resistant fittings with integrated E-socket electro just up to 1200 mm
SDR 26 to SDR 7.4.
DVGW tested and weldable with the welding machine Hürner.



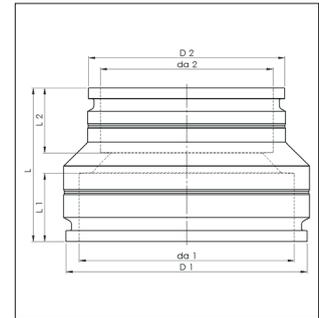
E-bochten / courbes / bends
22-30-45-90°



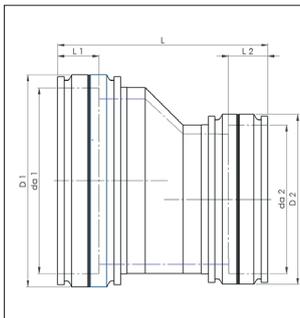
E-muurkraag
collets murals
wall stubs



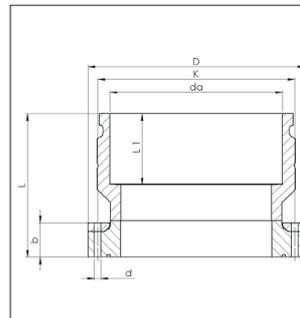
E-mof / manchon / sleeve



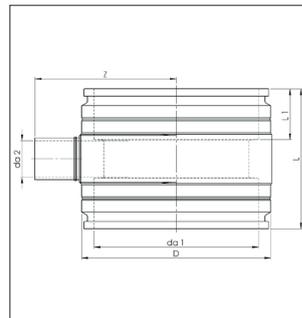
E-concentrische reducties
réductions concentriques
concentric reducers



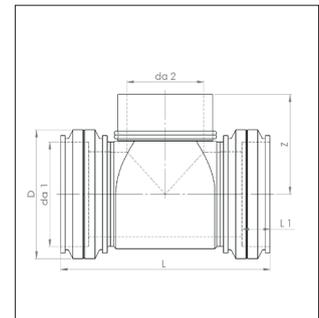
E-excentrische reducties
réductions excentriques
excentric reducers



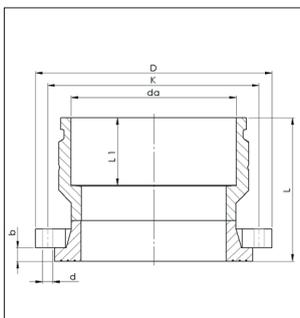
E-flenskraag
bride special
special flange



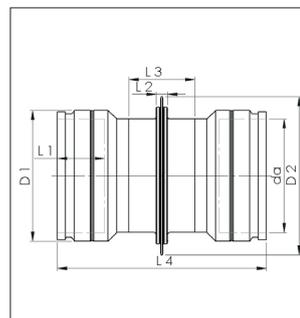
E-T-verloopstuk / réduction T /
T-reducer



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



ISO 9001/2008



DNV

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 construction 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
- systèmes d'osmose et d'évaporation
- eaux de ballast
- alimentation en eau fraîche 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 platforms (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

Advantages 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