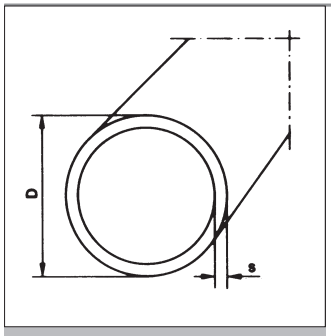
agru buizen tuyaux pipes **PP-S**



PP-S

DRUKBUIS
TUYAU DE PRESSION
PRESSURE PIPE

S= 1/2 (D -1)
s

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

L = 5 m

Volgens DIN 8077/78
PP-S buizen worden geklasseerd als moeilijk ontvlambare bouwstof in klasse B1 volgens DIN 4102 deel 1.
Een keuringsrapport van het “Institut für Bautechnik” te Berlijn is verkrijgbaar op aanvraag.

Selon DIN 8077/78
Les tuyaux en PP-S sont classés comme matériau de construction difficilement inflammable classe B1 suivant DIN 4102 part 1.
Un rapport de contrôle de l’Institut für Bautechnik” à Berlin est disponible sur demande.

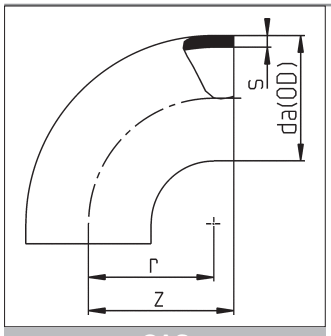
According to DIN 8077/78
PP-S pipes are classified as a fire-resistant material in class B1 according to DIN 4102, part 1.
An approval report from the “Institut für Bautechnik” in Berlin is available on request.

REEKS SERIE SERIES	**1 2.5 BAR**			**2 3.2 BAR**			**5 10 BAR**		
	SDR 41/ISO S-20			**SDR 33/ISO S-16**			**SDR 11/ISO S-5**		
D	**s**	**KG/M**	**€/M**	**s**	**KG/M**	**€/M**	**S**	**KG/M**	**€/M**
20							1.9	0.120	**2.02**
25							2.7	0.191	**2.90**
32							2.9	0.267	**4.58**
40							3.7	0.423	**6.07**
50							4.6	0.654	**9.41**
63				2.0	0.392	**5.70**	5.8	1.030	**14.91**
75	1.9	0.449	**6.62**				6.8	1.440	**20.82**
90	2.2	0.617	**9.08**						
110	2.7	0.927	**13.51**						
125	3.1	1.200	**17.59**						
140							12.7	4.99	**72.14**

agru

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

PP-S

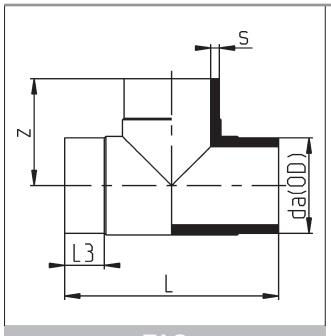


GAS

BOCHTEN 90°
COURBES A 90°
BENDS 90°

Gespoten / Injectés / Moulded.

da	SDR 33/ISO S-16					SDR 11/ISO S-5				
	r	Z	S	KG/ST/PC	€/ST/PC	r	Z	S	KG/ST/PC	€/ST/PC
20						23	32±3	2.5	0.008	**6.05**
25						30	35±3	2.3	0.012	**6.27**
32						32	43±3	2.9	0.020	**6.54**
40						40	50±3	3.7	0.033	**8.45**
50						50	60±3	4.6	0.065	**10.61**
63						60	70±3	5.8	0.117	**15.24**
75						72	85±3	6.8	0.202	**20.92**
110	110	120±3.0	3.4	0.253	**38.66**					
160	155	177±4.0	4.9	0.790	**73.45**					
180	175	200±4.0	5.5	1.002	**89.52**					
200	197	220±4.0	6.2	1.420	**110.99**					
225	230	250±4.0	6.9	1.920	**136.64**					
250	260	290±5,5	7.7	2.940	**200.83**					
280	260	290±5,5	8.6	3.650	**253.08**					
315	300	340±5,5	9.7	5.200	**362.56**					
355	300	340±5,5	10.9	6.680	**787.27**					
400	300	345±5,5	12.3	8.280	**1104.01**					



TAS

T-STUKKEN 90°
TES A 90°
TEES 90°

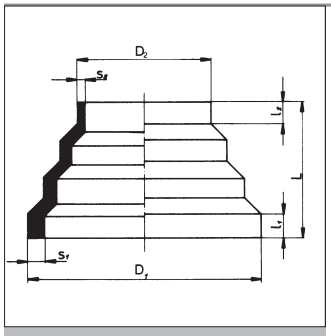
Gespoten / Injectés / Moulded.

da	SDR 33/ISO S-16						SDR11 / ISO S-5					
	L	L3	z	s	KG/ ST/PC	€/ ST/PC	L	L3	z	s	KG/ ST/PC	€/ ST/PC
20							68	17.5	34	1.9	0.019	**4.84**
25							80	20.5	40	2.3	0.030	**4.84**
32							90	20.5	45	2.9	0.035	**6.11**
40							100	20.5	50	3.7	0.068	**9.65**
50							120	23.0	60	4.6	0.112	**12.99**
63							144	25.0	72	5.8	0.235	**20.21**
75							152	15.0	75	6.8	0.393	**40.75**
110	223	33	109	3.4	0.440	**50.57**						
160	346	57	173	4.9	1.740	**120.58**						
180	372	57	186	5.5	2.410	**167.16**						
200	410	57	205	6.2	3.240	**226.06**						
225	448	57	222	6.9	4.420	**315.95**						
250	475	70	237	7.7	6.230	**488.58**						
280	540	80	270	8.6	8.560	**622.11**						
315	558	80	277	9.7	8.554	**786.99**						

agru

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

PP-S



CRAS

CONCENTRISCHE VERLOOPSTUKKEN
REDUCTIONS CONCENTRIQUES
CONCENTRIC REDUCERS

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

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

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

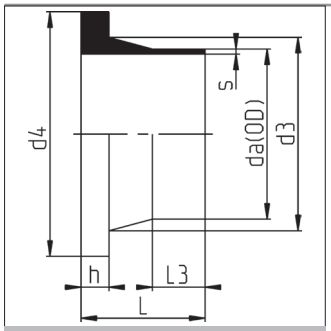
D_1	D_2	ISO S-16 / SDR 33							ISO S-5 / SDR 11						
		L	l_1	l_2	s_1	s_2	KG/ST/PC	€/ST/PC	L	l_1	l_2	s_1	s_2	KG/ST/PC	€/ST/PC
63	**16**								$54^{\pm 3.0}$	8	4	5.8	1.8	0.044	**11.47**
75	**32**								$71^{\pm 3.0}$	10	9	6.8	2.9	0.060	**18.41**
110	**63**	$62^{\pm 3.0}$	9	6	3.4	2.0	0.062	**21.99**	$62^{\pm 3.0}$	9	6	10.0	5.8	0.150	**24.40**
125	**75**	$74^{\pm 3.0}$	13	8	3.9	2.3	0.085	**25.10**	$72^{\pm 1.5}$	13	8	11.4	6.8	0.199	**27.58**
160	**110**	$83^{\pm 3.0}$	13	13	4.9	3.4	0.160	**79.53**	$83^{\pm 4.5}$	13	13	14.6	10.0	0.400	**91.81**
225	**160**	$94^{\pm 4.0}$	18	14	6.9	4.9	0.390	**201.74**							

VINK

agru

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

PP-S



QAS

VOORLASKRAGEN
COLLETS
STUBS

Gespoten volgens DIN 16.962/16.963.
Injectés suivant DIN 16.962/16.963.
Moulded according to DIN 16.962/16.963.

SDR 33/ISO S-16

da	d3	d4	h	L3	L	s	KG/ST/PC	€/ST/PC
110	125	158	18	31.0	80	3.4	0.280	**23.45**
160	175	212	18	28.5	80	4.9	0.516	**41.26**
200	232	268	18	53.0	113	6.2	1.120	**78.01**
225	235	268	18	65.0	113	6.9	0.860	**81.18**
250	285	320	20	70.0	132	7.7	1.780	**120.77**
280	288	320	20	62.0	128	8.6	1.195	**123.51**
315	335	370	20	68.0	136	9.7	2.160	**147.97**
355	373	430	23	75.0	150	10.9	2.980	**291.10**
400	427	482	26	75.0	155	12.3	4.180	**527.20**
500	530	585	33	37.0	120	15.3	7.110	**749.77**

SDR11 / ISO S-5

da	d3	d4	h	L3	L	s	KG/ST/PC	€/ST/PC
20	27	45	7	30	52.0	1.9	0,016	**5.51**
25	33	58	9	25	52.0	2.3	0,031	**5.51**
32	40	68	10	25	50.0	2.9	0,040	**6.48**
40	50	78	11	24	52.0	3.7	0,061	**7.78**
50	61	88	12	22	53.0	4.6	0,084	**9.44**
63	75	102	14	20	50.0	5.8	0,126	**11.86**
75	89	122	16	18	50.5	6.8	0,194	**13.90**

PP-GFK flenzen zie hoofdstuk I
PP-GFK brides: voir chapitre I
PP-GFK backing rings: see chapter I