



# 2017 Parts Catalog North America



# **aquatechnik NA**

Professional PP-RCT 125 and Multi-Layer Piping Solutions



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<i>Symbol</i>	<b>Legend</b>
Part Number	item part number
ft	feet
OD	external diameter
ID	internal diameter
thickness	wall thickness
Alum.	aluminum
	pieces/package
	pieces/ box
M	male thread
F	female thread
sm	safety male thread
sf	safety female thread
*	condition of the safety system
Δ	condition of the Fusion-Tech System

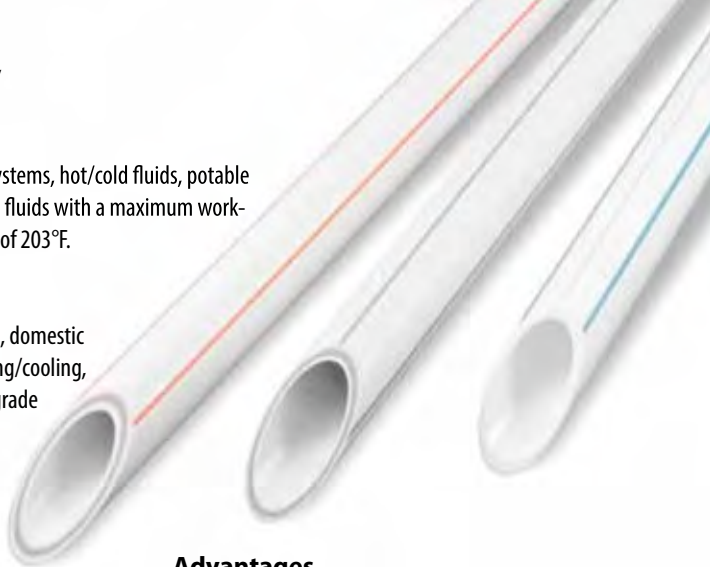
# Fusion-Tech

**PP-RCT 125 and PP-R Super 80 pipe and fittings for polyfusion welding**

Range  
From Ø ½" to 16"

Use  
For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F.

Applications  
Sanitary systems, domestic plumbing, heating/cooling, industrial, food grade (pending) and non-food grade fluid transport.



**Advantages**

- Leader in high flow rate and low pressure drop.
- Resistant to lime, cement, plaster and electro-chemical reaction.
- Completely compatible with warm and cold fluids.
- Economical quick-and-easy installation.

The Fusion-Tech Pipe family includes the new faser FIBER-T and faser FIBER-COND pipes with special re-enforced fibers in the middle layer.

The faser FIBER-T is ideal for heating, air conditioning, domestic hot water, warm water transport, irrigation and compressed air systems.

The faser FIBER-COND is designed for heating, chilled water and other mechanical systems



Like all the pipes in the system, the FIBER-T and the FIBER-COND can be polyfused with the Fusion-Tech fittings. All PP-R fittings with brass are lead-free.

**FUSION-TECH PIPE FIELDS OF APPLICATION**

	PLUMBING SYSTEMS faser FIBER-T Red Striped Pipe	MECHANICAL SYSTEMS faser FIBER-COND Grey-Striped Pipe	RAIN WATER COLLECTION Violet Pipe (not shown)
HEATING SYSTEMS	Yes	Yes	No
CHILLED WATER SYSTEMS	Yes	Yes	No
MARINE APPLICATIONS	Yes	Yes	Yes
RAINWATER COLLECTION	No	No	Yes
COMPRESSED AIR SYSTEMS	Yes	Yes	No
IN-FLOOR HEATING	Yes	Yes	No
CHEMICAL APPLICATION	Consult Factory	Consult Factory	No
POTABLE WATER*	Yes	No	No
FOOD GRADE	Yes	No	No
FIRE PROTECTION	Pending	Pending	No
UNDERGROUND APPLICATIONS	Yes	Yes	No
IRRIGATION	No	No	Yes

Note: \* Blue-Striped Pipe is used for potable cold water only.

For all other applications, please consult your aquatechnik® PP-RCT 125 and PP-R Super 80 fusion pipe distributor. aquatechnik® Fusion-tech pipe and fittings are certified to NSF/ANSI Standards 14, 51, 61 and 372.



# Fusion-Tech Applicable Certifications, Standards and Regulations

Fusion-Tech Blue Striped Pipe		Fusion-Tech faser Fiber-T Red Striped pipe	
Listings and Approvals:	Reference Standards:	Listings and Approvals:	Reference Standards:
NSF 61	ASTM F2389-17	NSF 61	ASTM F2389-17
NSF 14	ASTM F2023	NSF 14	ASTM F2023
NSF -pw	ASTM D2837	NSF 51	ASTM D2837
NSF 372	DIN 8078	NSF-pw	DIN 8078
IPC 2009 sec. 605IMC2009 ch. 12	DIN 8077	NSF 372	DIN 8077
IRC 2009 ch. 21 & 26	CSA B137.11	IPC 2009 sec. 605IMC2009 ch. 12	CSA B137.11
UMC 2012 ch. 6	CSA B214	IRC 2009 ch. 21 & 26	CSA B214
	ISO 9080	UMC 2012 ch. 6	ISO 9080
	ISO 15874		ISO 15874
	ISO 9001		ISO 9001

Fusion-Tech faser Fiber-COND Grey Striped Pipe		Fusion-Tech Violet Pipe	
Listings and Approvals:	Reference Standards:	Listings and Approvals:	Reference Standards:
NSF 14	ASTM F2389-17	NSF-rw	ASTM F2389-06
NSF 372	ASTM F2023	NSF 372	ASTM F2023
IPC 2009 sec. 605IMC2009 ch. 12	ASTM D2837	IPC 2009 sec. 605IMC2009 ch. 12	ASTM D2837
IRC 2009 ch. 21 & 26	DIN 8078	IRC 2009 ch. 21 & 26	DIN 8078
UMC 2012 ch. 6	DIN 8077	UMC 2012 ch. 6	DIN 8077
	CSA B137.11		CSA B137.11
	CSA B214		CSA B214
	ISO 9080		ISO 9080
	ISO 15874		ISO 15874
	ISO 9001		ISO 9001





### Description

FUSION-TECH BLUE STRIPED PIPE, PP-RCT 125 for cold water, white color with blue stripes, stick length 19ft

Part #	ft. per package	No. sticks	SDR	OD		thick.		ID	
				inches	mm	inches	mm	inches	mm
61208U	475	25	11	½	20	0.07	1.9	0.64	16.2
61210U	380	20	11	¾	25	0.09	2.3	0.8	20.4
61212U	190	10	11	1	32	0.11	2.9	1.03	26.2
61214U	190	10	11	1 ¼	40	0.15	3.7	1.28	32.6
61216U	95	5	11	1 ½	50	0.18	4.6	1.61	40.8
61218U	95	5	11	2	63	0.23	5.8	2.02	51.4
61220U	95	5	11	2 ½	75	0.27	6.8	2.42	61.4
61222U	57	3	11	3	90	0.32	8.2	2.90	73.6
61224U	38	2	11	3 ½	110	0.39	10.0	3.54	90.0
61226U	19	1	11	4	125	0.45	11.4	4.02	102.2
61228U	19	1	11	6	160	0.57	14.6	5.15	130.8
61230U	19	1	11	8	200	0.72	18.2	6.44	163.6



### Description

FUSION-TECH faser FIBER-T RED STRIPED PIPE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, stick length 19ft

Part #	ft. per package	No. sticks	SDR	OD		thick.		ID	
				inches	mm	inches	mm	inches	mm
61358U	475	25	7.4	½	20	0.11	2.8	0.57	14.4
61360U	380	20	7.4	¾	25	0.14	3.5	0.71	18.0
61362U	190	10	7.4	1	32	0.17	4.4	0.91	23.2
61364U	190	10	7.4	1 ¼	40	0.22	5.5	1.14	29.0
61366U	95	5	7.4	1 ½	50	0.27	6.9	1.43	36.2
61368U	95	5	7.4	2	63	0.34	8.6	1.80	45.8
61370U	95	5	7.4	2 ½	75	0.41	10.3	2.14	54.4
61372U	57	3	7.4	3	90	0.48	12.3	2.57	65.4
61374U	38	2	7.4	3 ½	110	0.59	15.1	3.14	79.8
61376U	19	1	7.4	4	125	0.67	17.1	3.57	90.8
61378U	19	1	11	6	160	0.57	14.6	5.15	130.8
61380U	19	1	11	8	200	0.72	18.2	6.44	163.6
61382U	19	1	11	10	250	0.89	22.7	8.06	204.6
61384U	19	1	11	12	315	1.13	28.6	10.15	257.8
61386U	19	1	11	14	355	1.27	32.3	11.43	290.4
61388U	19	1	11	16	400	1.43	36.4	12.88	327.2

Description



FUSION-TECH faser FIBER-COND GREY STRIPED PIPE, PP-RCT 125/PP-R F/PP-R Super 80, multi-layer pipe with special fibers, white color with grey stripes, not potable hot and cold water, stick length 19 ft

Part #	ft. per package	No. sticks	SDR	OD		thick.		ID	
				inches	mm	inches	mm	inches	mm
61462U	190	10	11	1	32	0.11	2.9	1.03	26.2
61464U	190	10	11	1 ¼	40	0.15	3.7	1.28	32.6
61466U	95	5	11	1 ½	50	0.18	4.6	1.61	40.8
61468U	95	5	11	2	63	0.23	5.8	2.02	51.4
61470U	95	5	11	2 ½	75	0.27	6.8	2.42	61.4
61472U	57	3	11	3	90	0.32	8.2	2.90	73.6
61474U	38	2	11	3 ½	110	0.39	10.0	3.54	90.0
61476U	19	1	11	4	125	0.45	11.4	4.02	102.2
61478U	19	1	11	6	160	0.57	14.6	5.15	130.8
61480U	19	1	11	8	200	0.72	18.2	6.44	163.6
61482U	19	1	11	10	250	0.89	22.7	8.06	204.6
61484U	19	1	11	12	315	1.13	28.6	10.15	257.8
61476UZ	19	1	17.6	4	125	0.28	7.1	4.36	110.8
61478UZ	19	1	17.6	6	160	0.36	9.1	5.94	150.9
61480UZ	19	1	17.6	8	200	0.45	11.4	7.43	188.6
61482UZ	19	1	17.6	10	250	0.56	14.2	9.28	235.8
61484UZ	19	1	17.6	12	315	0.70	17.9	11.70	297.1
61486UZ	19	1	17.6	14	355	0.80	20.2	13.18	334.8
61488UZ	19	1	17.6	16	400	0.89	22.7	14.85	377.3

Description



FUSION-TECH VIOLET PIPE, PP-R Super 80 pipe for recycling reclaimed and rainwater, violet, stick length 13 ft

Part #	ft. per package	No. sticks	SDR	OD		thick.		ID	
				inches	mm	inches	mm	inches	mm
61608	325	25	11	½	20	0.07	1.9	0.64	16.2
61610	325	25	11	¾	25	0.09	2.3	0.80	20.4
61612	130	10	11	1	32	0.31	2.9	1.03	26.2
61614	130	10	11	1 ¼	40	0.15	3.7	1.28	32.6
61616	65	5	11	1 ½	50	0.18	4.6	1.61	40.8
61618	65	5	11	2	63	0.23	5.8	2.02	51.4
61620	65	5	11	2 ½	75	0.27	6.8	2.42	61.4
61622	39	3	11	3	90	0.32	8.2	2.90	73.6
61624	26	2	11	3 ½	110	0.39	10.0	3.54	90.0
61626	13	1	11	4	125	0.45	11.4	4.02	102.2
61628	13	1	11	6	160	0.57	14.6	5.15	130.8
61630	13	1	11	8	200	0.72	18.2	6.44	163.6
61632	13	1	11	10	250	0.89	22.7	8.06	204.6

\* For larger diameter pipes please consult your local representative

**Description**



**SHELL**, zinc-plated steel shell for supporting pipes, 13 ft length, tolerance: +/-1,3%

Part #	ft. per package	dimensions	
		<i>inches</i>	<i>mm</i>
61508	13	½	20
61510	13	¾	25
61512	13	1	32
61514	13	1 ¼	40
61516	13	1 ½	50
61518	13	2	63
61520	13	2 ½	75
61522	13	3	90
61524	13	3 ½	110

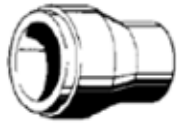
**Description**



**COUPLING**, for socket fusion

Part #	ft. per package	SDR	dimensions		
			<i>inches</i>	<i>mm</i>	
62008U	10	400	5	½	20
62010U	10	300	5	¾	25
62012U	5	150	5	1	32
62014U	5	250	5	1 ¼	40
62016U	5	150	5	1 ½	50
62018U	1	50	5	2	63
62020U	1	60	5	2 ½	75
62022U	1	42	5	3	90
62024U	1	24	5	3 ½	110
62026U	1	12	5	4	125

Description



BUSHING, Ø ½" to 4" for socket fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
62112U	10	400	5	¾ - ½	25 - 20
62114U	10	300	5	1 - ½	32 - 20
62116U	10	300	5	1 - ¾	32 - 25
62118U	5	500	5	1 ¼ - ½	40 - 20
62120U	5	400	5	1 ¼ - ¾	40 - 25
62122U	5	300	5	1 - 1	40 - 32
62124U	5	300	5	1 ½ - ½	50 - 20
62126U	5	300	5	1 ½ - ¾	50 - 25
62128U	5	300	5	1 ½ - 1	50 - 32
62130U	5	200	5	1 ½ - 1 ¼	50 - 40
62132U	1	150	5	2 - ¾	63 - 25
62134U	1	100	5	2 - 1	63 - 32
62136U	1	100	5	2 - 1 ¼	63 - 40
62138U	1	100	5	2 - 1 ½	63 - 50
62139U	1	100	5	2 ½ - 1 ¼	75 - 40
62140U	1	80	5	2 ½ - 1 ½	75 - 50
62142U	1	80	5	2 ½ - 2	75 - 63
62144U	1	50	5	3 - 1 ½	90 - 50
62152U	1	50	5	3 - 2	90 - 63
62153U	1	50	5	3 - 2 ½	90 - 75
62155U	1	30	5	3 ½ - 2	110 - 63
62157U	1	30	5	3 ½ - 2 ½	110 - 75
62159U	1	30	5	3 ½ - 3	110 - 90
62168U	1	30	5	4 - 2 ½	125 - 75
62170U	1	30	5	4 - 3	125 - 90
62172U	1	24	5	4 - 3 ½	125 - 110

Description



REDUCER, from Ø 6" to 16" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
62173U	1	8	11	6 - 3	160 - 90
62174U	1	8	11	6 - 3 ½	160 - 110
62176U	1	4	11	6 - 4	160 - 125
62182U	1	1	11	8 - 6	200 - 160
62184U	1	1	11	10 - 6	250 - 160
62186U	1	1	11	10 - 8	250 - 200
62200U	1	1	11	12 - 10	315 - 250
62213U	1	1	11	14 - 10	355 - 250
62214U	1	1	11	14 - 12	355 - 315

**Description**



REDUCER (CONTINUED), from Ø 6" to 16" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
62240U	1	1	11	16 - 10	400 - 250
62242U	1	1	11	16 - 12	400 - 315
62244U	1	1	11	16 - 14	400 - 355
62173UZ	1	1	17.6	6 - 3	160 - 90
62174UZ	1	1	17.6	6 - 3 ½	160 - 110
62176UZ	1	1	17.6	6 - 4	160 - 125
62182UZ	1	1	17.6	8 - 6	200 - 160
62184UZ	1	1	17.6	10 - 6	250 - 160
62186UZ	1	1	17.6	10 - 8	250 - 200
62200UZ	1	1	17.6	12 - 10	315 - 250
62213UZ	1	1	17.6	14 - 10	355 - 250
62214UZ	1	1	17.6	14 - 12	355 - 315
62240UZ	1	1	17.6	16 - 10	400 - 250
62242UZ	1	1	17.6	16 - 12	400 - 315
62244UZ	1	1	17.6	16 - 14	400 - 355

**Description**



90° ELBOW, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
63108U	10	350	5	½	20
63110U	10	250	5	¾	25
63112U	5	100	5	1	32
63114U	5	150	5	1 ¼	40
63116U	5	80	5	1 ½	50
63118U	1	40	5	2	63
63120U	1	30	5	2 ½	75
63122U	1	18	5	3	90
63124U	1	10	5	3 ½	110
63126U	1	5	5	4	125
63128U	1	3	11	6	160
63130U	1	1	11	8	200
63132U	1	1	11	10	250
63134U	1	1	11	12	315
63136UTY	1	1	11	14	355
63138UTY	1	1	11	16	400
63128UZ	1	3	17.6	6	160
63130UZ	1	1	17.6	8	200
63132UZ	1	1	17.6	10	250
63134UZ	1	1	17.6	12	315



Description



90° ELBOW, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #			SDR	dimensions	
				inches	mm
63136UCZ	1	1	17.6	14	355
63138UCZ	1	1	17.6	16	400

Description



90° SOCKET X MALE ELBOW, for socket fusion directly to PP-R fitting

Part #			SDR	dimensions	
				inches	mm
63308U	10	350	5	½	20
63310U	10	250	5	¾	25
63312U	5	100	5	1	32
63314U	5	150	5	1 ¼	40

Description



45° ELBOW, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #			SDR	dimensions	
				inches	mm
63508U	10	400	5	½	20
63510U	10	250	5	¾	25
63512U	5	150	5	1	32
63514U	5	150	5	1 ¼	40
63516U	5	80	5	1 ½	50
63518U	1	50	5	2	63
63520U	1	36	5	2 ½	75
63522U	1	18	5	3	90
63524U	1	10	5	3 ½	110
63526U	1	5	5	4	125
63528U	1	3	11	6	160
63530U	1	1	11	8	200
63532U	1	1	11	10	250
63534U	1	1	11	12	315
63536UTY	1	1	11	14	355
63538UTY	1	1	11	16	400
63528UZ	1	3	17.6	6	160
63530UZ	1	1	17.6	8	200
63532UZ	1	1	17.6	10	250
63534UZ	1	1	17.6	12	315
63536UCZ	1	1	17.6	14	355
63538UCZ	1	1	17.6	16	400

**Description**



**45° MALE ELBOW**, for socket fusion directly to PP-R fitting

Part #	□	⊞	SDR	dimensions	
				inches	mm
63708U	10	400	5	½	20
63710U	10	300	5	¾	25
63712U	5	150	5	1	32

**Description**



**TEE**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
64108U	10	250	5	½	20
64110U	10	150	5	¾	25
64112U	5	80	5	1	32
64114U	5	100	5	1 ¼	40
64116U	5	50	5	1 ½	50
64118U	1	30	5	2	63
64120U	1	25	5	2 ½	75
64122U	1	16	5	3	90
64124U	1	10	5	3 ½	110
64126U	1	5	5	4	125
64128U	1	2	11	6	160
64130U	1	1	11	8	200
64132U	1	1	11	10	250
64134U	1	1	11	12	315
64136UTY	1	1	11	14	355
64138UTY	1	1	11	16	400
64128UZ	1	2	17.6	6	160
64130UZ	1	1	17.6	8	200
64132UZ	1	1	17.6	10	250
64134UZ	1	1	17.6	12	315
64136UCZ	1	1	17.6	14	355
64138UCZ	1	1	17.6	16	400

Description

REDUCING TEE, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion



Part #	□	⊞	SDR	dimensions	
				inches	mm
64220U	10	150	5	¾ - ½ - ½	25-20-20
64222U	10	150	5	¾ - ¾ - ½	25-25-20
64232U	5	100	5	1 - ¾ - ¾	32-25-25
64234U	5	100	5	1 - 1 - ½	32-32-20
64240U	5	100	5	1 - 1 - ¾	32-32-25
64242U	5	120	5	1 ¼ - 1 ¼ - ½	40-40-20
64244U	5	120	5	1 ¼ - 1 ¼ - ¾	40-40-25
64245U	5	100	5	1 ¼ - 1 - 1	40-32-32
64246U	5	100	5	1 ¼ - 1 ¼ - 1	40-40-32
64247U	5	60	5	1 ½ - 1 ½ - ½	50-50-20
64248U	5	60	5	1 ½ - 1 ½ - ¾	50-50-25
64250U	5	60	5	1 ½ - 1 ½ - 1	50-50-32
64251U	5	60	5	1 ½ - 1 ½ - 1 ¼	50-50-40
64252U	1	35	5	2 - 2 - ½	63-63-20
64254U	1	35	5	2 - 2 - ¾	63-63-25
64256U	1	35	5	2 - 2 - 1	63-63-32
64258U	1	35	5	2 - 2 - 1 ¼	63-63-40
64260U	1	30	5	2 - 2 - 1 ½	63-63-50
64261U	1	25	5	2 ½ - 2 ½ - ½	75-75-20
64262U	1	25	5	2 ½ - 2 ½ - ¾	75-75-25
64264U	1	25	5	2 ½ - 2 ½ - 1	75-75-32
64266U	1	25	5	2 ½ - 2 ½ - 1 ¼	75-75-40
64268U	1	25	5	2 ½ - 2 ½ - 1 ½	75-75-50
64270U	1	16	5	2 ½ - 2 ½ - 2	75-75-63
64280U	1	16	5	3 - 3 - 1 ½	90-90-50
64282U	1	16	5	3 - 3 - 2	90-90-63
64284U	1	16	5	3 - 3 - 2 ½	90-90-75
64286U	1	10	5	3 ½ - 3 ½ - 2	110-110-63
64288U	1	10	5	3 ½ - 3 ½ - 2 ½	110-110-75
64290U	1	10	5	3 ½ - 3 ½ - 3	110-110-90
64294U	1	5	5	4 - 4 - 3	125-125-90
64296U	1	5	5	4 - 4 - 3 ½	125-125-110
64298U	1	2	11	6 - 6 - 3	160-160-90
64299U	1	2	11	6 - 6 - 3 ½	160-160-110
64300U	1	1	11	6 - 6 - 4	160-160-125
64302U	1	1	11	8 - 8 - 6	200-200-160
64306U	1	1	11	10 - 10 - 6	250-250-160
64307U	1	1	11	10 - 10 - 8	250-250-200
643094U	1	1	11	12 - 12 - 8	315 - 315 - 200
643098U	1	1	11	12 - 12 - 10	315 - 315 - 250

**Description**



**REDUCING TEE (CONTINUED)**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
643124UTY	1	1	11	14 - 14 - 12	355 - 355 - 315
643154UTY	1	1	11	16 - 16 - 14	400 - 400 - 355
64298UZ	1	2	17.6	6 - 6 - 3	160 - 160 - 90
64299UZ	1	2	17.6	6 - 6 - 3 ½	160 - 160 - 110
64300UZ	1	1	17.6	6 - 6 - 4	160 - 160 - 125
64302UZ	1	1	17.6	8 - 8 - 6	200 - 200 - 160
64306UZ	1	1	17.6	10 - 10 - 6	250 - 250 - 160
64307UZ	1	1	17.6	10 - 10 - 8	250 - 250 - 200
643094UZ	1	1	17.6	12 - 12 - 8	315 - 315 - 200
643098UZ	1	1	17.6	12 - 12 - 10	315 - 315 - 250
643124UCZ	1	1	17.6	14 - 14 - 12	355 - 355 - 315
643154UCZ	1	1	17.6	16 - 16 - 14	400 - 400 - 315

**Description**



**DIRECT FUSION OUTLET**, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
65132U	10	1000	5	½	20	1 ½ ~ 12	50 ~ 315	50346
65134U	10	500	5	¾	25	2 ~ 12	63 ~ 315	50348
65136U	5	400	5	1	32	2 ½ ~ 12	75 ~ 315	50352
65138U	1	200	5	1 ¼	40	2 ½ ~ 12	75 ~ 315	50354

**Description**



**DIRECT FUSION OUTLET X THREADED FEMALE**, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
65152U	5	200	5	½	20	1 ½ ~ 12	50 ~ 315	50346
65154U	5	150	5	¾	25	2 ~ 12	63 ~ 315	50348

**Description**



**FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION**, lead-free, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
65170U	5	150	5	½	sm16	1 ½ ~ 10	50 ~ 250	50346
65172U	5		5	¾	sm20	1 ½ ~ 10	50 ~ 250	50346
65174U	5		5	¾	sm26	2 ~ 10	50 ~ 250	50348

Description



SADDLE FUSION OUTLET, for outlet socket fusion

Part #	□	⊠	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
650472U	10	400	5	½	20	1 ¼	40	50346
650474U	10	300	5	¾	25	1 ¼	40	50348
650478U	10	400	5	½	20	1 ½	50	50346
650480U	10	300	5	¾	25	1 ½	50	50348
650498U	10	400	5	½	20	2 - 2 ½	63-75	50346
650500U	10	300	5	¾	25	2 - 2 ½	63 - 75	50348
650502U	5	150	5	1	32	2 - 2 ½	63 - 75	50352
650540U	10		5	1 ¼	40	2	63	50354
650556U	10	400	5	½	20	3 ½ - 4	110 - 125	50346
650558U	10	300	5	¾	25	2 ½ - 4	75 - 125	50348
650560U	5	150	5	1	32	3 - 4	90-125	50352
650580U	5	100	5	1 ¼	40	3	90	50354
650600U	5	100	5	1 ¼	40	3 ½	110	50354
650620U	5	70	5	1 ½	50	3 ½	110	50356
650638U	5	100	5	1 ¼	40	4	125	50354
650640U	5	70	5	1 ½	50	4	125	50356
650660U	1	50	5	2	63	4	125	50358
650672U	10	400	5	½	20	6 - 8	160 - 200	50346
650674U	10	300	5	¾	25	6 - 8	160 - 200	50348
650676U	5	150	5	1	32	6 - 8	160 - 200	50352
650678U	5	100	5	1 ¼	40	6 - 8	160 - 200	50354
650680U	5	70	5	1 ½	50	6	160	50356
650700U	1	50	5	2	63	6	160	50358
650720U	1	30	5	2 ½	75	6	160	50360
650740U	1	20	5	3	90	6	160	50362
650760U	5	70	5	1 ½	50	8	200	50356
650780U	1	50	5	2	63	8	200	50358
650800U	1	30	5	2 ½	75	8	200	50360
650820U	1	20	5	3	90	8	200	50362
650840U	1	15	5	3 ½	110	8	200	50364
650860U	1	10	5	4	125	8	200	50366
650872U	10	400	5	½	20	10 - 12	250-315	50346
650874U	10	300	5	¾	25	10 - 12	250-315	50348
650876U	5	150	5	1	32	10 - 12	250-315	50352
650878U	5	100	5	1 ¼	40	10 - 12	250-315	50354
650880U	5	70	5	1 ½	50	10	315	50356
650900U	1	50	5	2	63	10	315	50358
650920U	1	30	5	2 ½	75	10	315	50360
650940U	1	20	5	3	90	10	315	50362
650960U	1	15	5	3 ½	110	10	315	50364
650980U	1	10	5	4	125	10	315	50366

**Description**



**CROSS**, for socket fusion

Part #	□	⊠	SDR	dimensions	
				<i>inches</i>	<i>mm</i>
64308U	10	400	5	½	20
64310U	10	300	5	¾	25
64312U	5	150	5	1	32
64314U	1	80	5	1 ¼	40

**Description**



**CAP**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #	□	⊠	SDR	dimensions	
				<i>inches</i>	<i>mm</i>
65008U	10	500	5	½	20
65010U	10	450	5	¾	25
65012U	5	250	5	1	32
65014U	5	350	5	1 ¼	40
65016U	5	200	5	1 ½	50
65018U	1	80	5	2	63
65020U	1	80	5	2 ½	75
65022U	1	50	5	3	90
65024U	1	24	5	3 ½	110
65026U	1	12	5	4	125
65028U	1	5	11	6	160
65030U	1	2	11	8	200
65032U	1	1	11	10	250
65034U	1	1	11	12	315
65036U	1	1	11	14	355
65038U	1	1	11	16	400
65028UZ	1	5	17.6	6	160
65030UZ	1	2	17.6	8	200
65032UZ	1	1	17.6	10	250
65034UZ	1	1	17.6	12	315
65036UZ	1	1	17.6	14	350
65038UZ	1	1	17.6	16	400

Description



FLANGE ADAPTER, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

Part #	□	⊠	SDR	dimensions		collar OD		
				inches	mm	inches	mm	
65208U	10	1000	11	½	20	1.02	26	
65210U	10	400	11	¾	25	1.30	33	
65212U	10	300	11	1	32	1.57	40	
65214U	5	200	11	1 ¼	40	1.93	49	
65216U	5	100	11	1 ½	50	2.28	58	
65218U	1	50	11	2	63	2.87	73	
65220U	1	40	11	2 ½	75	3.50	89	
65222U	1	25	11	3	90	4.25	108	
65224U	1	16	11	3 ½	110	5.12	130	
65226U	1	25	11	4	125	5.79	147	
65228U	1	4	11	6	160	8.35	212	
65230U	1	4	11	8	200	10.55	268	
65232U	1	1	11	10	250	12.63	320	
65234U	1	1	11	12	315			
65236U	1	1	11	14	355			
65238U	1	1	11	16	400			
65228UZ	1	4	17.6	6	160			
65230UZ	1	4	17.6	8	200			
65232UZ	1	1	17.6	10	250			
65234UZ	1	1	17.6	12	315			
65236UZ	1	1	17.6	14	355			
65238UZ	1	1	17.6	16	400			

**Description**



**ALUMINUM FLANGE**, with ANSI bolt pattern, for collars

Part #	□	📦	for collar		ID		OD		no. holes
			inches	mm	inches	mm	inches	mm	
65266U	10	1000	½	20	0.07	28.00	3.74	95.00	4
65268U	10	400	¾	25	0.09	34.00	4.13	105.00	4
65270U	10	300	1	32	0.11	42.00	4.53	115.00	4
65272U	5	200	1 ¼	40	0.15	51.00	5.51	140.00	4
65274U	5	100	1 ½	50	0.18	62.00	5.91	150.00	4
65276U	1	50	2	63	0.23	78.00	6.50	165.00	4
65278U	1	40	2 ½	75	0.27	92.00	7.28	185.00	4
65280U	1	25	3	90	0.32	108.00	7.87	200.00	8
65282U	1	16	3 ½	110	0.39	128.00	8.66	220.00	8
65284U	1	25	4	125	0.45	135.00	9.84	250.00	8
65286U	1	4	6	160	0.57	178.00	11.22	285.00	8
65290U	1	4	8	200	0.72	235.00	13.39	340.00	8
65292U	1	1	10	250	0.89	290.00	15.55	395.00	12
65294U	1	1	12	315					
65296U	1	1	14	355					
65298U	1	1	16	400					

**Description**



**faser FIBER-T RED STRIPED PIPE CROSSOVER**, for socket fusion

Part #	□	📦	SDR	dimensions	
				inches	mm
65414U	10	250	7.4	½	20
65416U	10	70	7.4	¾	25
65418U	5	40	7.4	1	32

**faser FIBER-COND GREY STRIPED PIPE CROSSOVER**, for socket fusion

Part #	□	📦	SDR	dimensions	
				inches	mm
65424U	5	40	11	1	32



Description



FEMALE THREADED ADAPTER, lead-free, for socket fusion to PP-R pipe

Part #	□	⊞	SDR	dimensions	
				inches	mm
66008U	10	200	5	F½ - ½	F½ - 20
66009U	10	200	5	F½ - ¾	F½ - 25
66010U	10	200	5	F¾ - ¾	F¾ - 25
66011U	10	200	5	F¾ - ½	F¾ - 20
66013U	5	150	5	F¾ - 1	F¾ - 32

Description



FEMALE THREADED HEX ADAPTER, lead-free, for socket fusion to PP-R pipe

Part #	□	⊞	SDR	dimensions	
				inches	mm
66108U	10	200	5	F½ - ½	F½ - 20
66109U	10	150	5	F¾ - ½	F¾ - 20
66110U	10	150	5	F¾ - ¾	F¾ - 25
66112U	5	80	5	F1 - 1	F1 - 32
66114U	5	50	5	F1 ¼ - 1 ¼	F1 ¼ - 40
66116U	1	40	5	F1 ½ - 1 ½	F1 ½ - 50
66118U	1	25	5	F2 - 2	F2 - 63
66120U	1	15	5	F2 ½ - 2 ½	F2 ½ - 75
66122U	1	12	5	F3 - 3	F3 - 90
66124U	1	6	5	F4 - 4	F4 - 125
66126U	1	4	5	F5 - 4	F5 - 125

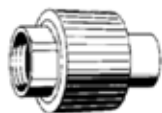
Description



FEMALE THREADED BUSHING, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
66150U	10	200	5	F½ - ½	F½ - 20

Description



FEMALE THREADED HEX BUSHING, lead-free, for socket fusion directly to PP-R fittings, with hexagonal seat and alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
66158U	10	200	5	F½ - ½	F½ - 20

**Description**



**MALE THREADED ADAPTER** lead-free, for socket fusion to PP-R pipe with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
66208U	10	200	5	M½ - ½	M½ - 20
66209U	10	200	5	M½ - ¾	M½ - 25
66210U	10	200	5	M¾ - ¾	M¾ - 25
66211U	10	200	5	M¾ - ½	M¾ - 20
66213U	5	150	5	M¾ - 1	M¾ - 32

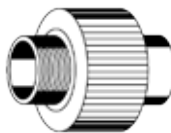
**Description**



**MALE THREADED HEX ADAPTER**, lead-free, for socket fusion to PP-R pipe, with hexagonal seat and alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
66308U	10	200	5	M½ - ½	M½ - 20
66310U	10	150	5	M¾ - ¾	M¾ - 25
66311U	10	150	5	M¾ - ½	M¾ - 20
66312U	5	70	5	M1 - 1	M1 - 32
66314U	5	50	5	M1 ¼ - 1 ¼	M1 ¼ - 40
66316U	5	40	5	M1 ½ - 1 ½	M1 ½ - 50
66318U	1	20	5	M2 - 2	M2 - 63
66320U	1	20	5	M2 ½ - 2 ½	M2 ½ - 75
66321U	1	15	5	M2 ½ - 3	M2 ½ - 90
66322U	1	6	5	M3 - 3	M3 - 90
66324U	1	6	5	M3 - 3 ½	M3 - 110
66325U	1	4	5	M4 - 3 ½	M4 - 110
66326U	1	4	5	M5 - 4	M5 - 125

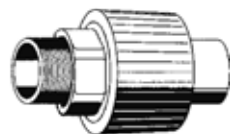
**Description**



**MALE THREADED BUSHING**, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
66350U	10	200	5	M½ - ½	M½ - 20

**Description**



**MALE THREADED HEX BUSHING**, lead-free, for socket fusion directly to PP-R fittings, with hexagonal

Part #	□	⊞	SDR	dimensions	
				inches	mm
66358U	10	200	5	M½ - ½	M½ - 20

Description



**FEMALE THREAD X SOCKET ELBOW**, lead-free, for socket fusion to PP-R pipe, without bracket, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
67008U	10	200	5	F½ - ½	F½ - 20
67009U	10	150	5	F½ - ¾	F½ - 25
67010U	10	150	5	F¾ - ¾	F¾ - 25
67011U	10	100	5	F¾ - ½	F¾ - 20
67013U	5	100	5	F¾ - 1	F¾ - 32
67014U	5	70	5	F1 - 1	F1 - 32

Description



**DROP EAR ELBOW**, lead-free, for socket fusion to PP-R pipe, with bracket, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
67108U	10	150	5	F½ - ½	F½ - 20
67109U	10	100	5	F¾ - ½	F¾ - 20
67110U	10	100	5	F¾ - ¾	F¾ - 25
67111U	10	100	5	F½ - ¾	F½ - 25

Description



**FEMALE THREADED X MALE SOCKET ELBOW**, lead-free, for socket fusion directly to PP-R fittings, without bracket, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
67208U	10	200	5	F1/2 - 1/2	F1/2 - 20

Description



**MALE THREADED X SOCKET ELBOW**, lead-free, for socket fusion to PP-R pipe, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
67500U	10	100	5	M ½ - ¾	M ½ - 25
67508U	10	150	5	M½ - ½	M½ - 20
67509U	10	100	5	M¾ - ½	M¾ - 20
67510U	10	100	5	M ¾ - ¾	M ¾ - 25
67511U	5	50	5	M¾ - 1	M¾ - 32
67512U	5	50	5	M1 - 1	M1 - 32

**Description**



**FEMALE THREADED TEE**, lead-free, for socket fusion to PP-R pipe, with alloy thread

Part #			SDR	dimensions	
				inches	mm
68008U	10	150	5	½ - ½ - F½	20 - 20 - F½
68009U	10	100	5	½ - ½ - F¾	20 - 20 - F¾
68010U	10	100	5	¾ - ¾ - F¾	25 - 25 - F¾
68011U	10	100	5	¾ - ¾ - F½	25 - 25 - F½
68014U	5	50	5	1 - 1 - F¾	32 - 32 - F¾
68016U	5	50	5	1 - 1 - F1	32 - 32 - F1

**Description**



**MALE THREADED TEE**, lead-free, for socket fusion to PP-R pipe, with alloy thread

Part #			SDR	dimensions	
				inches	mm
68508U	10	150	5	½ - ½ - M½	20 - 20 - M½

**Description**

**PIPE UNION**, all PP-R made, for socket fusion

Part #			SDR	dimensions	
				inches	mm
69320U	10		11	½	20
69322U	10		11	¾	25
69324U	5		11	1	32

**Description**

**PIPE UNION with CHECK VALVE**, for socket fusion

Part #			SDR	dimensions	
				inches	mm
69360U	10		11	½	20
69362U	10		11	¾	25
69364U	5		11	1	32

Description



PIPE UNION, with brass nut, for socket fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
69280	5	100	11	½	20
69282	5	50	11	¾	25
69284	5	30	11	1	32
69286	5	20	11	1 ¼	40
69288	1	10	11	1 ½	50
69290	1	8	11	2	63

Description



MALE THREADED PIPE UNION, lead-free, for socket fusion directly to a PP-R fittings

Part #	□	⊞	SDR	dimensions	
				inches	mm
69230U	5	200	11	M½ - ½	M½ - 20
69232U	5	100	11	M¾ - ¾	M¾ - 25
69234U	5	50	11	M1 - 1	M1 - 32
69236U	5	40	11	M1 ¼ - 1 ¼	M1 ¼ - 40
69238U	1	20	11	M1 ½ - 1 ½	M1 ½ - 50
69240U	1	15	11	M2 - 2	M2 - 63

Description



FEMALE THREADED PIPE UNION, lead-free, for socket fusion directly to PP-R fittings

Part #	□	⊞	SDR	dimensions	
				inches	mm
69260U	5	200	11	F½ - ½	F½ - 20
69262U	5	100	11	F¾ - ¾	F¾ - 25
69264U	5	50	11	F1 - 1	F1 - 32
63266U	5	40	11	F1 ¼ - 1 ¼	F1 ¼ - 40
69268U	1	20	11	F1 ½ - 1 ½	F1 ½ - 50
69270U	1	15	11	F2 - 2	F2 - 63

Description



RING NUT - FEMALE, for socket fusion, with alloy thread

Part #	□	⊞	dimensions	
			inches	mm
69314U	5	200	F½	F½

**Description**



**PP-R PIPE PLUG**, for socket fusion, for hole repairs

Part #	□	📦	dimensions	
			<i>inches</i>	<i>mm</i>
69350	10	1000	0.28 - 0.43	7 - 11

**Description**



**ELECTRO-FUSION COUPLING**, for welding with low voltage 48V

Part #	□	📦	SDR	dimensions	
				<i>inches</i>	<i>mm</i>
69508U	10	250	5	½	20
69510U	10	200	5	¾	25
69512U	10	150	5	1	32
69514U	5	100	5	1 ¼	40
69516U	5	75	5	1 ½	50
69518U	5	50	5	2	63
69520U	1	40	5	2 ½	75
69522U	1	24	5	3	90
69524U	1	12	5	3 ½	110
69526U	1	6	5	4	125
69528U	1	4	11	6	160
69530U	1	4	11	8	200
69532U	1	1	11	10	250
69534U	1	1	11	12	315
69536U	1	1	11	14	355
69538U	1	1	11	16	400

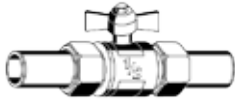
**Description**



**BALL VALVE**, alloy, for socket fusion directly to PP-R fittings, with male pipe unions

Part #	□	📦	SDR	dimensions	
				<i>inches</i>	<i>mm</i>
40008U	5	50	11	½	20
40010U	5	40	11	¾	25
40012U	1	20	11	1	32
40014U	1	15	11	1 ¼	40
40016U	1	10	11	1 ½	50
40018U	1	7	11	2	63

Description



**BALL VALVE**, alloy, with butterfly handle, for socket fusion directly to PP-R fittings, with pipe unions

Part #	□	⊞	SDR	dimensions	
				inches	mm
40058U	5	50	11	½	20
40060U	5	40	11	¾	25
40062U	1	20	11	1	32

Description



**HANDLE**, for ball valve

Part #	□	for code
40130	1	40008U - 40010U
40132	1	40012U - 40014U
40134	1	40016U - 40018U

Description



**PIPE UNION ADAPTER WITH NUT**, for socket fusion directly to PP-R fitting, for ball valves: 40008U, 40058U, 40068U, 40098U, 40108U

Part #	□	⊞	dimensions	
			inches	mm
40208U	10	200	F¾ - ½	F¾ - 20
40210U	10	200	F1 - ¾	F1 - 25
40212U	5	100	F1 ¼ - 1	F1 ¼ - 32
40214U	5	100	F1 ½ - 1 ¼	F1 ½ - 40
40216U	1	50	F2 - 1 ½	F2 - 50
40218U	1	20	F2 ½ - 2	F2 ½ - 63

Description



**PP-R BALL VALVE & BODY**, FULLY IN PP-R, lead-free, for socket fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
40258U	1	25	5	½	20
40260U	1	20	5	¾	25
40262U	1	15	5	1	32
40264U	1	10	5	1 ¼	40
40266U	1	8	5	1 ½	50
40268U	1		5	2	63

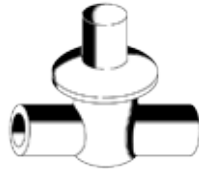
**Description**



**GLOBE STOP-COCK**, for socket fusion, for outdoor use, with gasket and wheel handle

Part #	□	⊞	SDR	dimensions	
				inches	mm
40719U	1	40	5	½	20
40721U	1	40	5	¾	25
40723U	1	30	5	1	32

**Description**



**BALL STOP-COCK w/ CONCEALED HANDLE & COVER**, for socket fusion, for enclosed application with an exposed chrome-plated closing cap

Part #	□	⊞	SDR	dimensions	
				inches	mm
40730U	1	40	5	½	20
40732U	1	40	5	¾	25

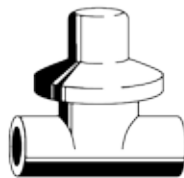
**Description**



**GLOBE STOP-COCK w/ CHROME HANDLE**, for socket fusion, for enclosed application with exposed handle, chrome-plated, with gasket

Part #	□	⊞	SDR	dimensions	
				inches	mm
40900U	1	40	5	½	20
40902U	1	40	5	¾	25
40920U	1	30	5	1	32

**Description**



**GLOBE STOP-COCK w/ CHROME HANDLE**, for socket fusion, for enclosed applications with an exposed chrome-plated closing cap, with gasket

Part #	□	⊞	SDR	dimensions	
				inches	mm
40921U	1	40	5	½	20
40923U	1	40	5	¾	25
40924U	1	30	5	1	32

**Description**



**GLOBE STOP-COCK BODY**, lead-free, for socket fusion, for screw type shut-off valves, with alloy thread

Part #	□	⊞	SDR	dimensions	
				inches	mm
40846U	10	100	5	½	20
40847U	10	100	5	¾	25
40850U	5	50	5	1	32



Description



STOP-COCK BODY WITH BALL VALVE, alloy, for socket fusion

Part #			SDR	dimensions	
				inches	mm
40852U	1		5	½	20
40854U	1		5	¾	25

Description



AUGER (VALVE STEM), alloy, with handle and gasket

Part #			for code
40925	5	100	40921U-40923U-40846U-40847U
40926	5		40924U-40850U

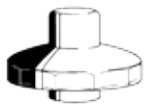
Description



HANDWHEEL, for auger

Part #			for code
40990	5	100	40921U-40923U-40924U-40925-40926

Description



CAP, alloy, with chrome-plated washer

Part #			for code
40927	5	100	40921U-40923U-40925
40950	5	80	40924U-40926

Description



CAP, alloy, with chrome-plated washer

Part #			for code
40952	1		40730U-40732U-40852U-40854U

Description



COMPLETE HANDWHEEL AUGER (VALVE STEM), alloy

Part #			for code
40928	5	100	40719U-40712U-40846U-40847U
40953	5		40723U-40953U

**Description**



**HANDLE**, alloy, for auger (valve stem)

Part #			for code	
40992	1	100	40719U-40712U-40928	
40994	1		40723U-40953U	

**Description**



**AUGER (VALVE STEM)**, alloy, for handle valve

Part #			for code	
40956	5	100	40900U-40902U	
40960	5	100	40920U	

**Description**



**EXTENSION**, alloy, for shut-off valve, length 1.42 inches (mm 36)

Part #			for code	
40931	5	400	40730U-70732U-40900U-40921U-40923U	
40933	5	400	40920U-40924U	

**Description**



**EXTENSION**, alloy, for shut-off valve, length 1.59 inches (mm 40,5)

Part #			for code	
40934	5	400	40900U-40902U-40921U-40923U-40730U-40732U-40920U-40924U	

**Description**



**CLIPS**, for pipe support

Part #			for pipe	
			inches	mm
27042	1	2000	½	16-18
27044	1	2000	½	20-22
27046	1	1500	¾	25-27

Description



**CLOSING CAP**, NPT thread, for pressure testing

Part #			dimension	
			inches	mm
27048U	10	500	M½	M20
27050U	10	400	M¾	M25

Description



**O-RING**, for testing cap

Part #			dimension		
			inches	mm	for item
27052	10		½	20	27050
27053	10		¾	25	27048

Description



**AIR-BUBBLE SPACER**, metal, adjustable spacer, extension from 3 1/8 to 9 1/2 inches (mm 80 to 240)

Part #			dimension	
			inches	mm
27054 <sup>A</sup>	1	35	3.15~9.45	80~240

Description



**SPACER**, plastics, adjustable, extension from 3 1/8 to 9 1/2 inches (mm 80 to 240)

Part #			dimension	
			inches	mm
27056 <sup>A</sup>	5	100	3.15~9.45	80~240

Description



**PRE-BORED PLATE**, for mounting fittings

Part #			for code	
27058	5	250	67108U-67109U-67110U-67111U	

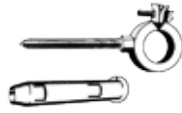
Description



**POSITIONER**, metal, adjustable for radiator connection rough-in, extension from 1 to 3 feet (mm 400 to 950)

Part #			extension	
			inches	mm
50250*	5		1~3	400~950

**Description**



**RING CLAMPS**, with rubber protection and threaded screw

Part #	□	◻	dimensions	
			inches	mm
27520	5	150	½	20
27525	5	150	¾	25
27532	5	100	1	32
27540	5	100	1 ¼	40
27550	5	50	1 ½	50
27563	5	50	2	63

**Description**



**RING CLAMPS**, with rubber protection

Part #	□	◻	dimensions	
			inches	mm
27575	1	30	2 ½	75
27590	1	30	3	90
27610	1	25	3 ½	110
27612	1	25	4	125
27614	1	15	6	160
27616	1	10	8	200
27618	1	10	10	250

**Description**



**Miller**, for outlet fusion to Ø1 ¼" - 12" pipe

Part #	□	dimensions	
		inches	mm
50346	1	½	20
50348	1	¾	25
50352	1	1	32
50354	1	1 ¼	40
50356	1	1 ½	50
50358	1	2	63
50360	1	2 1/2	75
50362	1	3	90
50364	1	3 1/2	110
50366	1	4	125

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[mcelroy.com](http://mcelroy.com)



## **Ritmo** *PLASTIC WELDING TECHNOLOGY*

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1375 Highlands Ridge Rd. SE, Suite A, Smyrna, GA 30082  
Tel: (678)766-1250 Fax: (678)766-1249  
[widoswelding.com](http://widoswelding.com)



# Iso-Tech

Insulated PP-RCT 125 pipe and fittings for polyfusion welding

Range  
From Ø 1" to 12"

Use  
For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F.

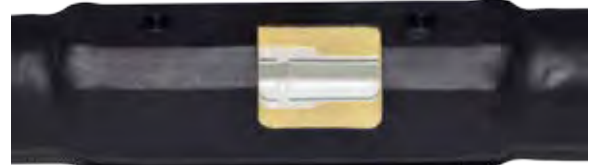
Applications  
Sanitary systems, domestic plumbing, heating/cooling, industrial, food grade (pending) and non-food grade fluid transport.



The iso-tech system includes a complete range of pre-insulated fittings and single pipes insulated with PUR (stiff polyurethane) foam protected by a casing made of PEHD. The Iso-Tech Pipe family includes the **faser FIBER-T** and **faser FIBER-COND** pipes with special re-enforced fibers in the middle layer.

The **faser FIBER-T** is ideal for heating, air conditioning, domestic hot water, warm water transport, irrigation and compressed air systems.

The **faser FIBER-COND** is designed for heating, chilled water and other mechanical systems



Like all the pipes in the system, the FIBER-T and the FIBER-COND can be polyfused with the Fusion-Tech fittings. All PP-R fittings with brass are lead-free.

## FUSION-TECH PIPE FIELDS OF APPLICATION

	PLUMBING SYSTEMS faser FIBER-T Red Striped Pipe	MECHANICAL SYSTEMS faser FIBER-COND Grey-Striped Pipe
HEATING SYSTEMS	Yes	Yes
CHILLED WATER SYSTEMS	Yes	Yes
MARINE APPLICATIONS	Yes	Yes
RAINWATER COLLECTION	No	No
COMPRESSED AIR SYSTEMS	Yes	Yes
IN-FLOOR HEATING	Yes	Yes
CHEMICAL APPLICATION	Consult Factory	Consult Factory
POTABLE WATER*	Yes	No
FOOD GRADE	Yes	No
FIRE PROTECTION	Pending	Pending
UNDERGROUND APPLICATIONS	Yes	Yes
IRRIGATION	No	No

Note:

For all other applications, please consult your aquatechnik® PP-RCT 125 and PP-R Super 80 fusion pipe distributor. aquatechnik® Fusion-tech pipe and fittings are certified to NSF/ANSI Standards 14, 51, 61 and 372.



### Advantages

- Leader in high flow rate and low pressure drop.
- Resistant to lime, cement, plaster and electro-chemical reaction.
- Completely compatible with warm and cold fluids.
- Economical quick-and-easy installation.
- Pre-insulated for outdoor use
- Self-compensates for thermal expansion
- Acceptable for direct bury applications

# Iso-Tech Applicable Certifications, Standards and Regulations

Fusion-Tech faser Fiber-T Red Striped pipe		Fusion-Tech faser Fiber-COND Grey Striped Pipe	
Listings and Approvals:	Reference Standards:	Listings and Approvals:	Reference Standards:
NSF 61	ASTM F2389-17	NSF 14	ASTM F2389-17
NSF 14	ASTM F2023	NSF 372	ASTM F2023
NSF 51	ASTM D2837	IPC 2009 sec. 605/IMC2009 ch. 12	ASTM D2837
NSF-pw	DIN 8078	IRC 2009 ch. 21 & 26	DIN 8078
NSF 372	DIN 8077	UMC 2012 ch. 6	DIN 8077
IPC 2009 sec. 605/IMC2009 ch. 12	CSA B137.11		CSA B137.11
IRC 2009 ch. 21 & 26	CSA B214		CSA B214
UMC 2012 ch. 6	ISO 9080		ISO 9080
	ISO 15874		ISO 15874
	ISO 9001		ISO 9001





**Description**

**faser ISO FIBER-T RED STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating stick length 19ft from Ø 1" up to 12"



Part #	ft. per package	No. sticks	SDR	OD		ID		Insulation OD	
				inches	mm	inches	mm	inches	mm
61362PCU	19	1	7.4	1	32	0.91	23.2	3.54	90
61364PCU	19	1	7.4	1 ¼	40	1.14	29	4.33	110
61366PCU	19	1	7.4	1 ½	50	1.28	32.6	4.33	110
61368PCU	19	1	7.4	2	63	1.80	45.8	4.92	125
61370PCU	19	1	7.4	2 ½	75	2.14	54.4	5.51	140
61372PCU	19	1	7.4	3	90	2.57	65.4	6.30	160
61374PCU	19	1	7.4	3 ½	110	3.14	79.8	7.87	200
61376PCU	19	1	7.4	4	125	3.57	90.8	8.86	225
61378PCU	19	1	11	6	160	5.15	130.8	9.84	250
61380PCU	19	1	11	8	200	6.44	163.6	12.40	315
61382PCU	19	1	11	10	250	8.06	204.6	15.75	400
61384PCU	19	1	11	12	315	10.15	257.8	17.72	450

**Description**

**faser ISO FIBER-T RED STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating stick length 38 ft from Ø 1" up to 10"



Part #	ft. per package	No. sticks	SDR	OD		ID		Insulation OD	
				inches	mm	inches	mm	inches	mm
61362PLU	38	1	7.4	1	32	0.91	23.2	3.54	90
61364PLU	38	1	7.4	1 ¼	40	1.14	29	4.33	110
61366PLU	38	1	7.4	1 ½	50	1.28	32.6	4.33	110
61368PLU	38	1	7.4	2	63	1.80	45.8	4.92	125
61370PLU	38	1	7.4	2 ½	75	2.14	54.4	5.51	140
61372PLU	38	1	7.4	3	90	2.57	65.4	6.30	160
61374PLU	38	1	7.4	3 ½	110	3.14	79.8	7.87	200
61376PLU	38	1	7.4	4	125	3.57	90.8	8.86	225
61378PLU	38	1	11	6	160	5.15	130.8	9.84	250
61380PLU	38	1	11	8	200	6.44	163.6	12.40	315
61382PLU	38	1	11	10	250	8.06	204.6	15.75	400

**Description**



**90° faser ISO FIBER-T RED STRIPED ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 4"

Part #	□	⊞	SDR	pipe dimensions		insulation dimensions		
				inches	mm	inches	mm	
63112PCTU	1	1	7.4	1	32	3.54	90	
63114PCTU	1	1	7.4	1 ¼	40	4.33	110	
63116PCTU	1	1	7.4	1 ½	50	4.33	110	
63118PCTU	1	1	7.4	2	63	4.92	125	
63120PCTU	1	1	7.4	3 ½	75	5.51	140	
63122PCTU	1	1	7.4	3	90	6.30	160	
63124PCTU	1	1	7.4	3 ½	110	7.87	200	
63126PCTU	1	1	7.4	4	125	8.86	225	

**Description**



**90° faser ISO FIBER-T RED STRIPED LONG ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	⊞	SDR	pipe dimensions		insulation dimensions		
				inches	mm	inches	mm	
63112PLTU	1	1	7.4	1	32	3.54	90	
63114PLTU	1	1	7.4	1 ¼	40	4.33	110	
63116PLTU	1	1	7.4	1 ½	50	4.33	110	
63118PLTU	1	1	7.4	2	63	4.92	125	
63120PLTU	1	1	7.4	3 ½	75	5.51	140	
63122PLTU	1	1	7.4	3	90	6.30	160	
63124PLTU	1	1	7.4	3 ½	110	7.87	200	
63126PLTU	1	1	7.4	4	125	8.86	225	
63128PLTU	1	1	11	6	160	9.84	250	
63130PLTU	1	1	11	8	200	12.40	315	
63132PLTU	1	1	11	10	250	15.75	400	
635134PLTU	1	1	11	12	315	17.72	450	

Description



45° faser ISO FIBER-T RED STRIPED ELBOW, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	♻️	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
63512PCTU	1	1	7.4	1	32	3.54	90
63514PCTU	1	1	7.4	1 ¼	40	4.33	110
63516PCTU	1	1	7.4	1 ½	50	4.33	110
63518PCTU	1	1	7.4	2	63	4.92	125
63520PCTU	1	1	7.4	3 ½	75	5.51	140
63522PCTU	1	1	7.4	3	90	6.30	160
63524PCTU	1	1	7.4	3 ½	110	7.87	200
63526PCTU	1	1	7.4	4	125	8.86	225
63528PCTU	1	1	11	6	160	9.84	250
63530PCTU	1	1	11	8	200	12.40	315
63532PCTU	1	1	11	10	250	15.75	400
63534PCTU	1	1	11	12	315	17.72	450

Description



faser ISO FIBER-T RED STRIPED TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	♻️	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
64112PCTU	1	1	7.4	1	32	3.54	90
64114PCTU	1	1	7.4	1 ¼	40	4.33	110
64116PCTU	1	1	7.4	1 ½	50	4.33	110
64118PCTU	1	1	7.4	2	63	4.92	125
64120PCTU	1	1	7.4	3 ½	75	5.51	140
64122PCTU	1	1	7.4	3	90	6.30	160
64124PCTU	1	1	7.4	3 ½	110	7.87	200
64126PCTU	1	1	7.4	4	125	8.86	225
64128PCTU	1	1	11	6	160	9.84	250
64130PCTU	1	1	11	8	200	12.40	315
64132PCTU	1	1	11	10	250	15.75	400
64134PCTU	1	1	11	12	315	17.72	450



**Description**

**faser ISO FIBER-T RED STRIPED OVER-RUN TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	◻	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
64112PSTU	1	1	7.4	1	32	3.54	90
64114PSTU	1	1	7.4	1 ¼	40	4.33	110
64116PSTU	1	1	7.4	1 ½	50	4.33	110
64118PSTU	1	1	7.4	2	63	4.92	125
64120PSTU	1	1	7.4	3 ½	75	5.51	140
64122PSTU	1	1	7.4	3	90	6.30	160
64124PSTU	1	1	7.4	3 ½	110	7.87	200
64126PSTU	1	1	7.4	4	125	8.86	225
64128PSTU	1	1	11	6	160	9.84	250
64130PSTU	1	1	11	8	200	12.40	315
64132PSTU	1	1	11	10	250	15.75	400
64134PSTU	1	1	11	12	315	17.72	450

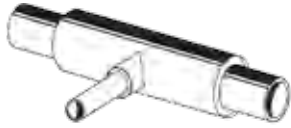


**Description**

**faser ISO FIBER-T RED STRIPED REDUCED TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	◻	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
642460PCTU	1	1	7.4	1 ¼-1 ¼-1	40-40-32	4.33-4.33-3.54	110-110-90
642500PCTU	1	1	7.4	1 ½-1 ½-1	50-50-32	4.33-4.33-3.54	110-110-90
642510PCTU	1	1	7.4	1 ½-1 ½-1 ¼	50-50-40	4.33-4.33-4.33	110-110-110
642560PCTU	1	1	7.4	2-2-1	63-63-32	4.92-4.92-3.54	125-125-90
642580PCTU	1	1	7.4	2-2-1 ¼	63-63-40	4.92-4.92-4.33	125-125-110
642600PCTU	1	1	7.4	2-2-1 ½	63-63-50	4.92-4.92-4.33	125-125-110
642640PCTU	1	1	7.4	2 ½-2 ½-1	75-75-32	5.51-5.51-3.54	140-140-90
642660PCTU	1	1	7.4	2 ½-2 ½-1 ¼	75-75-40	5.51-5.51-4.33	140-140-110
642680PCTU	1	1	7.4	2 ½-2 ½-1 ½	75-75-50	5.51-5.51-4.33	140-140-110
642700PCTU	1	1	7.4	2 ½-2 ½-2	75-75-63	5.51-5.51-4.92	140-140-125
642796PCTU	1	1	7.4	3-3-1	90-90-32	6.30-6.30-3.54	160-160-90
642798PCTU	1	1	7.4	3-3-1 ¼	90-90-40	6.30-6.30-4.33	160-160-110
642800PCTU	1	1	7.4	3-3-1 ½	90-90-50	6.30-6.30-4.33	160-160-110
642820PCTU	1	1	7.4	3-3-2	90-90-63	6.30-6.30-4.92	160-160-125
642840PCTU	1	1	7.4	3-3-2 ½	90-90-75	6.30-6.30-5.51	160-160-140
642854PCTU	1	1	7.4	3 ½-3 ½-1	110-110-32	7.87-7.87-3.54	200-200-90
642856PCTU	1	1	7.4	3 ½-3 ½-1 ¼	110-110-40	7.87-7.87-4.33	200-200-110
642858PCTU	1	1	7.4	3 ½-3 ½-1 ½	110-110-50	7.87-7.87-4.33	200-200-110
642860PCTU	1	1	7.4	3 ½-3 ½-2	110-110-63	7.87-7.87-4.92	200-200-125
642880PCTU	1	1	7.4	3 ½-3 ½-2 ½	110-110-75	7.87-7.87-5.51	200-200-140

Description



faser ISO FIBER-T RED STRIPED REDUCED TEE (CONT'D), PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	☐	SDR	pipe dimensions		insulation dimensions		
				inches	mm	inches	mm	
642900PCTU	1	1	7.4	3½-3½-3	110-110-90	7.87-7.87-6.30	200-200-160	
642934PCTU	1	1	7.4	4-4-1½	125-125-50	8.86-8.86-4.33	225-225-110	
642936PCTU	1	1	7.4	4-4-2	125-125-63	8.86-8.86-4.92	225-225-125	
642938PCTU	1	1	7.4	4-4-2½	125-125-75	8.86-8.86-5.51	225-225-140	
642940PCTU	1	1	7.4	4-4-3	125-125-90	8.86-8.86-6.30	225-225-160	
642960PCTU	1	1	7.4	4-4-3½	125-125-110	8.86-8.86-7.87	225-225-200	
642976PCTU	1	1	11	6-6-2	160-160-63	9.84-9.84-4.92	250-250-125	
642978PCTU	1	1	11	6-6-2½	160-160-75	9.84-9.84-5.51	250-250-140	
642980PCTU	1	1	11	6-6-3	160-160-90	9.84-9.84-6.30	250-250-160	
642990PCTU	1	1	11	6-6-3½	160-160-110	9.84-9.84-7.87	250-250-200	
643000PCTU	1	1	11	6-6-4	160-160-125	9.84-9.84-8.86	250-250-225	
643010PCTU	1	1	11	8-8-2	200-200-63	12.40-12.40-4.92	315-315-125	
643012PCTU	1	1	11	8-8-2½	200-200-75	12.40-12.40-5.51	315-315-140	
643014PCTU	1	1	11	8-8-3	200-200-90	12.40-12.40-6.30	315-315-160	
643016PCTU	1	1	11	8-8-3½	200-200-110	12.40-12.40-7.87	315-315-200	
643018PCTU	1	1	11	8-8-4	200-200-125	12.40-12.40-8.86	315-315-225	
643020PCTU	1	1	11	8-8-6	200-200-160	12.40-12.40-9.84	315-315-250	
643044PCTU	1	1	11	10-10-1	250-250-32	15.75-15.75-3.54	400-400-90	
643046PCTU	1	1	11	10-10-1¼	250-250-40	15.75-15.75-4.33	400-400-110	
643048PCTU	1	1	11	10-10-1½	250-250-50	15.75-15.75-4.33	400-400-110	
643050PCTU	1	1	11	10-10-2	250-250-63	15.75-15.75-4.92	400-400-125	
643052PCTU	1	1	11	10-10-2½	250-250-75	15.75-15.75-5.51	400-400-140	
643054PCTU	1	1	11	10-10-3	250-250-90	15.75-15.75-6.30	400-400-160	
643056PCTU	1	1	11	10-10-3½	250-250-110	15.75-15.75-7.87	400-400-200	
643058PCTU	1	1	11	10-10-4	250-250-125	15.75-15.75-8.86	400-400-225	
643060PCTU	1	1	11	10-10-6	250-250-160	15.75-15.75-9.84	400-400-250	
643070PCTU	1	1	11	10-10-8	250-250-200	15.75-15.75-12.40	400-400-315	
643094PCTU	1	1	11	12-12-8	315-315-200	17.72-17.72-12.40	450-450-315	
643096PCTU	1	1	11	12-12-10	315-315-250	17.72-17.72-15.75	450-450-400	



**Description**

faser ISO FIBER-T RED STRIPED REDUCED OVER-RUN TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	📦	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
642460PSTU	1	1	7.4	1 ½-1 ¼-1	40-40-32	4.33-4.33-3.55	110-110-90
642500PSTU	1	1	7.4	1 ½-1 ½-1	50-50-32	4.33-4.33-3.55	110-110-90
642510PSTU	1	1	7.4	1 ½-1 ½-1 ¼	50-50-40	4.33-4.33-4.33	110-110-110
642560PSTU	1	1	7.4	2-2-1	63-63-32	4.93-4.93-3.55	125-125-90
642580PSTU	1	1	7.4	2-2-1 ¼	63-63-40	4.93-4.93-4.33	125-125-110
642600PSTU	1	1	7.4	2-2-1 ½	63-63-50	4.93-4.93-4.33	125-125-110
642640PSTU	1	1	7.4	2 ½-2 ½-1	75-75-32	5.52-5.52-3.55	140-140-90
642660PSTU	1	1	7.4	2 ½-2 ½-1 ¼	75-75-40	5.52-5.52-4.33	140-140-110
642680PSTU	1	1	7.4	2 ½-2 ½-1 ½	75-75-50	5.52-5.52-4.33	140-140-110
642700PSTU	1	1	7.4	2 ½-2 ½-2	75-75-63	5.52-5.52-4.93	140-140-125
642796PSTU	1	1	7.4	3-3-1	90-90-32	6.30-6.30-3.55	160-160-90
642798PSTU	1	1	7.4	3-3-1 ¼	90-90-40	6.30-6.30-4.33	160-160-110
642800PSTU	1	1	7.4	3-3-1 ½	90-90-50	6.30-6.30-4.33	160-160-110
642820PSTU	1	1	7.4	3-3-2	90-90-63	6.30-6.30-4.93	160-160-125
642840PSTU	1	1	7.4	3-3-2 ½	90-90-75	6.30-6.30-5.52	160-160-140
642854PSTU	1	1	7.4	3 ½-3 ½-1	110-110-32	7.88-7.88-3.55	200-200-90
642856PSTU	1	1	7.4	3 ½-3 ½-1 ¼	110-110-40	7.88-7.88-4.33	200-200-110
642858PSTU	1	1	7.4	3 ½-3 ½-1 ½	110-110-50	7.88-7.88-4.33	200-200-110
642860PSTU	1	1	7.4	3 ½-3 ½-2	110-110-63	7.88-7.88-4.93	200-200-125
642880PSTU	1	1	7.4	3 ½-3 ½-2 ½	110-110-75	7.88-7.88-5.52	200-200-140
642900PSTU	1	1	7.4	3 ½-3 ½-3	110-110-90	7.88-7.88-6.30	200-200-160
642934PSTU	1	1	7.4	4-4-1 ½	125-125-50	8.87-8.87-4.33	225-225-110
642936PSTU	1	1	7.4	4-4-2	125-125-63	8.87-8.87-4.93	225-225-125
642938PSTU	1	1	7.4	4-4-2 ½	125-125-75	8.87-8.87-2.96	225-225-140
642940PSTU	1	1	7.4	4-4-3	125-125-90	8.87-8.87-3.55	225-225-160
642960PSTU	1	1	7.4	4-4-3 ½	125-125-110	8.87-8.87-7.88	225-225-200
642976PSTU	1	1	11	6-6-2	160-160-63	9.85-9.85-4.93	250-250-125
642978PSTU	1	1	11	6-6-2 ½	160-160-75	9.85-9.85-5.52	250-250-140
642980PSTU	1	1	11	6-6-3	160-160-90	9.85-9.85-6.30	250-250-160
642990PSTU	1	1	11	6-6-3 ½	160-160-110	9.85-9.85-7.88	250-250-200
643000PSTU	1	1	11	6-6-4	160-160-125	9.85-9.85-8.87	250-250-225
643010PSTU	1	1	11	8-8-2	200-200-63	12.41-12.41-4.93	315-315-125
643012PSTU	1	1	11	8-8-2 ½	200-200-75	12.41-12.41-5.52	315-315-140
643014PSTU	1	1	11	8-8-3	200-200-90	12.41-12.41-6.30	315-315-160
643016PSTU	1	1	11	8-8-3 ½	200-200-110	12.41-12.41-7.88	315-315-200
643018PSTU	1	1	11	8-8-4	200-200-125	12.41-12.41-8.87	315-315-225
643020PSTU	1	1	11	8-8-6	200-200-160	12.41-12.41-9.85	315-315-250
643044PSTU	1	1	11	10-10-1	250-250-32	15.76-15.76-3.55	400-400-90
643046PSTU	1	1	11	10-10-1 ¼	250-250-40	15.76-15.76-4.33	400-400-110
643048PSTU	1	1	11	10-10-1 ½	250-250-50	15.76-15.76-4.33	400-400-110

Description



faser ISO FIBER-T RED STRIPED REDUCED OVER-RUN TEE (CONT'D), PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	1	1	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
643050PSTU	1	1	11	10-10-2	250-250-63	15.76-15.76-4.93	400-400-125
643052PSTU	1	1	11	10-10-2 ½	250-250-75	15.76-15.76-5.52	400-400-140
643054PSTU	1	1	11	10-10-3	250-250-90	15.76-15.76-6.30	400-400-160
643056PSTU	1	1	11	10-10-3 ½	250-250-110	15.76-15.76-7.88	400-400-200
643058PSTU	1	1	11	10-10-4	250-250-125	15.76-15.76-8.87	400-400-225
643060PSTU	1	1	11	10-10-6	250-250-160	15.76-15.76-9.85	400-400-250
643070PSTU	1	1	11	10-10-8	250-250-200	15.76-15.76-12.41	400-400-315
643094PSTU	1	1	11	12-12-8	315-315-200	17.73-17.73-12.41	450-450-315
643096PSTU	1	1	11	12-12-10	315-315-250	17.73-17.73-15.76	450-450-400

Description



faser ISO FIBER-COND GREY STRIPED PIPE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for mechanical applications, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12", available in 19 ft. lengths.

Part #	ft. per package	No. sticks	SDR	OD		ID		Insulation OD	
				inches	mm	inches	mm	inches	mm
61462PCU	19	1	11	1	32	1.03	26.20	3.55	90
61464PCU	19	1	11	1 ¼	40	1.28	32.60	4.33	110
61466PCU	19	1	11	1 ½	50	1.61	40.80	4.33	110
61468PCU	19	1	11	2	63	2.02	51.40	4.93	125
61470PCU	19	1	11	2 ½	75	2.42	61.40	5.52	140
61472PCU	19	1	11	3	90	2.90	73.60	6.3	160
61474PCU	19	1	11	3 ½	110	3.54	90.00	7.88	200
61476PCU	19	1	11	4	125	4.02	102.20	8.87	225
61478PCU	19	1	11	6	160	5.15	130.80	9.85	250
61480PCU	19	1	11	8	200	6.44	163.60	12.41	315
61482PCU	19	1	11	10	250	8.06	204.60	15.76	400
61484PCU	19	1	11	12	315	10.15	257.80	17.73	450

**Description**



**faser ISO FIBER-COND GREY STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for mechanical applications, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 10", available in 38 ft. lengths.

Part #	ft. per package	No. sticks	SDR	OD		ID		Insulation OD	
				inches	mm	inches	mm	inches	mm
61462PLU	38	1	11	1	32	1.03	26.20	3.55	90
61464PLU	38	1	11	1 ¼	40	1.28	32.60	4.33	110
61466PLU	38	1	11	1 ½	50	1.61	40.80	4.33	110
61468PLU	38	1	11	2	63	2.02	51.40	4.93	125
61470PLU	38	1	11	2 ½	75	2.42	61.40	5.52	140
61472PLU	38	1	11	3	90	2.90	73.60	6.3	160
61474PLU	38	1	11	3 ½	110	3.54	90.00	7.88	200
61476PLU	38	1	11	4	125	4.02	102.20	8.87	225
61478PLU	38	1	11	6	160	5.15	130.80	9.85	250
61480PLU	38	1	11	8	200	6.44	163.60	12.41	315
61482PLU	38	1	11	10	250	8.06	204.60	15.76	400

**Description**



**90° faser ISO FIBER-COND GREY STRIPED ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 4"

Part #	□	⊠	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
63112PCCU	1	1	11	1	32	3.55	90
63114PCCU	1	1	11	1 ¼	40	4.33	110
63116PCCU	1	1	11	1 ½	50	4.33	110
63118PCCU	1	1	11	2	63	4.93	125
63120PCCU	1	1	11	2 ½	75	5.52	140
63122PCCU	1	1	11	3	90	6.30	160
63124PCCU	1	1	11	3 ½	110	7.88	200
63126PCCU	1	1	11	4	125	8.87	225



Description



90° faser ISO FIBER-COND GREY STRIPED ELBOW LONG, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

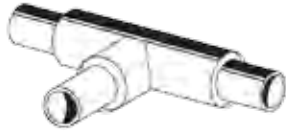
Part #	□	⊞	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
63112PLCU	1	1	11	1	32	3.55	90
63114PLCU	1	1	11	1 ¼	40	4.33	110
63116PLCU	1	1	11	1 ½	50	4.33	110
63118PLCU	1	1	11	2	63	4.93	125
63120PLCU	1	1	11	2 ½	75	5.52	140
63122PLCU	1	1	11	3	90	6.30	160
63124PLCU	1	1	11	3 ½	110	7.88	200
63126PLCU	1	1	11	4	125	8.87	225
63128PLCU	1	1	11	6	160	9.85	250
63130PLCU	1	1	11	8	200	12.41	315
63132PLCU	1	1	11	10	250	15.76	400
63134PLCU	1	1	11	12	315	17.73	450

Description



45° faser ISO FIBER-COND GREY STRIPED ELBOW, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	⊞	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
63512PCCU	1	1	11	1	32	3.55	90
63514PCCU	1	1	11	1 ¼	40	4.33	110
63516PCCU	1	1	11	1 ½	50	4.33	110
63518PCCU	1	1	11	2	63	4.93	125
63520PCCU	1	1	11	2 ½	75	5.52	140
63522PCCU	1	1	11	3	90	6.30	160
63524PCCU	1	1	11	3 ½	110	7.88	200
63526PCCU	1	1	11	4	125	8.87	225
63528PCCU	1	1	11	6	160	9.85	250
63530PCCU	1	1	11	8	200	12.41	315
63532PCCU	1	1	11	10	250	15.76	400
63534PCCU	1	1	11	12	315	17.73	450



**Description**

faser ISO FIBER-COND GREY STRIPED TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	⊞	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
64112PCCU	1	1	11	1	32	3.55	90
64114PCCU	1	1	11	1 ¼	40	4.33	110
64116PCCU	1	1	11	1 ½	50	4.33	110
64118PCCU	1	1	11	2	63	4.93	125
64120PCCU	1	1	11	2 ½	75	5.52	140
64122PCCU	1	1	11	3	90	6.30	160
64124PCCU	1	1	11	3 ½	110	7.88	200
64126PCCU	1	1	11	4	125	8.87	225
64128PCCU	1	1	11	6	160	9.85	250
64130PCCU	1	1	11	8	200	12.41	315
64132PCCU	1	1	11	10	250	15.76	400
64134PCCU	1	1	11	12	315	17.73	450



**Description**

faser ISO FIBER-COND GREY STRIPED OVER-RUN TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

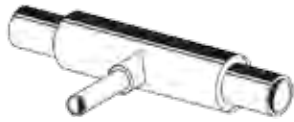
Part #	□	⊞	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
64112PSCU	1	1	11	1	32	3.55	90
64114PSCU	1	1	11	1 ¼	40	4.33	110
64116PSCU	1	1	11	1 ½	50	4.33	110
64118PSCU	1	1	11	2	63	4.93	125
64120PSCU	1	1	11	2 ½	75	5.52	140
64122PSCU	1	1	11	3	90	6.30	160
64124PSCU	1	1	11	3 ½	110	7.88	200
64126PSCU	1	1	11	4	125	8.87	225
64128PSCU	1	1	11	6	160	9.85	250
64130PSCU	1	1	11	8	200	12.41	315
64132PSCU	1	1	11	10	250	15.76	400
64134PSCU	1	1	11	12	315	17.73	450

Description



faser ISO FIBER-COND GREY STRIPED REDUCED TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	📦	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
642460PCCU	1	1	11	1 ¼-1 ¼-1	40-40-32	4.33-4.33-3.55	110-110-90
642500PCCU	1	1	11	1 ½-1 ½-1	50-50-32	4.33-4.33-3.55	110-110-90
642510PCCU	1	1	11	1 ½-1 ½-1 ¼	50-50-40	4.33-4.33-4.33	110-110-110
642560PCCU	1	1	11	2-2-1	63-63-32	4.93-4.93-3.55	125-125-90
642580PCCU	1	1	11	2-2-1 ¼	63-63-40	4.93-4.93-4.33	125-125-110
642600PCCU	1	1	11	2-2-1 ½	63-63-50	4.93-4.93-4.33	125-125-110
642640PCCU	1	1	11	2 ½-2 ½-1	75-75-32	5.52-5.52-3.55	140-140-90
642660PCCU	1	1	11	2 ½-2 ½-1 ¼	75-75-40	5.52-5.52-4.33	140-140-110
642680PCCU	1	1	11	2 ½-2 ½-1 ½	75-75-50	5.52-5.52-4.33	140-140-110
642700PCCU	1	1	11	2 ½-2 ½-2	75-75-63	5.52-5.52-4.93	140-140-125
642796PCCU	1	1	11	3-3-1	90-90-32	6.30-6.30-3.55	160-160-90
642798PCCU	1	1	11	3-3-1 ¼	90-90-40	6.30-6.30-4.33	160-160-110
642800PCCU	1	1	11	3-3-1 ½	90-90-50	6.30-6.30-4.33	160-160-110
642820PCCU	1	1	11	3-3-2	90-90-63	6.30-6.30-4.93	160-160-125
642840PCCU	1	1	11	3-3-2 ½	90-90-75	6.30-6.30-5.52	160-160-140
642854PCCU	1	1	11	3 ½-3 ½-1	110-110-32	7.88-7.88-3.55	200-200-90
642856PCCU	1	1	11	3 ½-3 ½-1 ¼	110-110-40	7.88-7.88-4.33	200-200-110
642858PCCU	1	1	11	3 ½-3 ½-1 ½	110-110-50	7.88-7.88-4.33	200-200-110
642860PCCU	1	1	11	3 ½-3 ½-2	110-110-63	7.88-7.88-4.93	200-200-125
642880PCCU	1	1	11	3 ½-3 ½-2 ½	110-110-75	7.88-7.88-5.52	200-200-140
642900PCCU	1	1	11	3 ½-3 ½-3	110-110-90	7.88-7.88-6.30	200-200-160
642934PCCU	1	1	11	4-4-1 ½	125-125-50	8.87-8.87-4.33	225-225-110
642936PCCU	1	1	11	4-4-2	125-125-63	8.87-8.87-4.93	225-225-125
642938PCCU	1	1	11	4-4-2 ½	125-125-75	8.87-8.87-5.52	225-225-140
642940PCCU	1	1	11	4-4-3	125-125-90	8.87-8.87-6.30	225-225-160
642960PCCU	1	1	11	4-4-3 ½	125-125-110	8.87-8.87-7.88	225-225-200
642976PCCU	1	1	11	6-6-2	160-160-63	9.85-9.85-4.93	250-250-125
642978PCCU	1	1	11	6-6-2 ½	160-160-75	9.85-9.85-5.52	250-250-140
642980PCCU	1	1	11	6-6-3	160-160-90	9.85-9.85-6.30	250-250-160
642990PCCU	1	1	11	6-6-3 ½	160-160-110	9.85-9.85-7.88	250-250-200
643000PCCU	1	1	11	6-6-4	160-160-125	9.85-9.85-8.87	250-250-225
643010PCC U	1	1	11	8-8-2	200-200-63	12.41-12.41-4.93	315-315-125
643012PCCU	1	1	11	8-8-2 ½	200-200-75	12.41-12.41-5.52	315-315-140
643014PCCU	1	1	11	8-8-3	200-200-90	12.41-12.41-6.30	315-315-160
643016PCCU	1	1	11	8-8-3 ½	200-200-110	12.41-12.41-7.88	315-315-200
643018PCCU	1	1	11	8-8-4	200-200-125	12.41-12.41-8.87	315-315-225
643020PCCU	1	1	11	8-8-6	200-200-160	12.41-12.41-9.85	315-315-250
643044PCCU	1	1	11	10-10-1	250-250-32	15.76-15.76-3.55	400-400-90
643046PCCU	1	1	11	10-10-1 ¼	250-250-40	15.76-15.76-4.33	400-400-110
643048PCCU	1	1	11	10-10-1 ½	250-250-50	15.76-15.76-4.33	400-400-110



**Description**

faser ISO FIBER-COND GREY STRIPED REDUCED TEE (CONT'D), PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	⊞	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
643050PCCU	1	1	11	10-10-2	250-250-63	15.76-15.76-4.93	400-400-125
643052PCCU	1	1	11	10-10-2 ½	250-250-75	15.76-15.76-5.52	400-400-140
643054PCC U	1	1	11	10-10-3	250-250-90	15.76-15.76-6.30	400-400-160
643056PCC U	1	1	11	10-10-3 ½	250-250-110	15.76-15.76-7.88	400-400-200
643058PCC U	1	1	11	10-10-4	250-250-125	15.76-15.76-8.87	400-400-225
643060PCC U	1	1	11	10-10-6	250-250-160	15.76-15.76-9.85	400-400-250
643070PCCU	1	1	11	10-10-8	250-250-200	15.76-15.76-12.41	400-400-315
643094PCCU	1	1	11	12-12-8	315-315-200	17.73-17.73-12.41	450-450-315
643096PCCU	1	1	11	12-12-10	315-315-250	17.73-17.73-15.76	450-450-400



**Description**

faser ISO FIBER-COND GREY STRIPED REDUCED OVER-RUN TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	⊞	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
642460PSCU	1	1	11	1 ¼-1 ¼-1	40-40-32	4.33-4.33-3.54	110-110-90
642500PSCU	1	1	11	1 ½-1 ½-1	50-50-32	4.33-4.33-3.54	110-110-90
642510PSCU	1	1	11	1 ½-1 ½-1 ¼	50-50-40	4.33-4.33-4.33	110-110-110
642560PSCU	1	1	11	2-2-1	63-63-32	4.92-4.92-3.54	125-125-90
642580PSCU	1	1	11	2-2-1 ¼	63-63-40	4.92-4.92-4.33	125-125-110
642600PSCU	1	1	11	2-2-1 1 ¼	63-63-50	4.92-4.92-4.33	125-125-110
642640PSCU	1	1	11	2 ½-2 ½-1	75-75-32	5.51-5.51-3.54	140-140-90
642660PSCU	1	1	11	2 ½-2 ½-1 ¼	75-75-40	5.51-5.51-4.33	140-140-110
642680PSCU	1	1	11	2 ½-2 ½-1 ½	75-75-50	5.51-5.51-4.33	140-140-110
642700PSCU	1	1	11	2 ½-2 ½-2	75-75-63	5.51-5.51-4.92	140-140-125
642796PSCU	1	1	11	3-3-1	90-90-32	6.30-6.30-3.54	160-160-90
642798PSCU	1	1	11	3-3-1 ¼	90-90-40	6.30-6.30-4.33	160-160-110
642800PSCU	1	1	11	3-3-1 ½	90-90-50	6.30-6.30-4.33	160-160-110
642820PSCU	1	1	11	3-3-2	90-90-63	6.30-6.30-4.92	160-160-125
642840PSCU	1	1	11	3-3-2 ½	90-90-75	6.30-6.30-5.51	160-160-140
642854PSCU	1	1	11	3 ½-3 ½-1	110-110-32	7.87-7.87-3.54	200-200-90
642856PSCU	1	1	11	3 ½-3 ½-1 ¼	110-110-40	7.87-7.87-4.33	200-200-110
642858PSCU	1	1	11	3 ½-3 ½-1 ½	110-110-50	7.87-7.87-4.33	200-200-110
642860PSCU	1	1	11	3 ½-3 ½-2	110-110-63	7.87-7.87-4.92	200-200-125
642880PSCU	1	1	11	3 ½-3 ½-2 ½	110-110-75	7.87-7.87-5.51	200-200-140
642900PSCU	1	1	11	3 ½-3 ½-3	110-110-90	7.87-7.87-6.30	200-200-160
642934PSCU	1	1	11	4-4-1 ½	125-125-50	8.86-8.86-4.33	225-225-110

Description



faser ISO FIBER-COND GREY STRIPED REDUCED OVER-RUN TEE (CONT'D), PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

Part #	□	♻️	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
642936PSCU	1	1	11	4-4-2	125-125-63	8.86-8.86-4.92	225-225-125
642938PSCU	1	1	11	4-4-2 ½	125-125-75	8.86-8.86-5.51	225-225-140
642940PSCU	1	1	11	4-4-3	125-125-90	8.86-8.86-6.30	225-225-160
642960PSCU	1	1	11	4-4-3 ½	125-125-110	8.86-8.86-7.87	225-225-200
642976PSCU	1	1	11	6-6-2	160-160-63	9.84-9.84-4.92	250-250-125
642978PSCU	1	1	11	6-6-2 ½	160-160-75	9.84-9.84-5.51	250-250-140
642980PSCU	1	1	11	6-6-3	160-160-90	9.84-9.84-6.30	250-250-160
642990PSCU	1	1	11	6-6-3 ½	160-160-110	9.84-9.84-7.87	250-250-200
643000PSCU	1	1	11	6-6-4	160-160-125	9.84-9.84-8.86	250-250-225
643010PSCU	1	1	11	8-8-2	200-200-63	12.40-12.40-4.92	315-315-125
643012PSCU	1	1	11	8-8-2 ½	200-200-75	12.40-12.40-5.51	315-315-140
643014PSCU	1	1	11	8-8-3	200-200-90	12.40-12.40-6.30	315-315-160
643016PSCU	1	1	11	8-8-3 ½	200-200-110	12.40-12.40-7.87	315-315-200
643018PSCU	1	1	11	8-8-4	200-200-125	12.40-12.40-8.86	315-315-225
643020PSCU	1	1	11	8-8-6	200-200-160	12.40-12.40-9.84	315-315-250
643044PSCU	1	1	11	10-10-1	250-250-32	15.75-15.75-3.54	400-400-90
643046PSCU	1	1	11	10-10-1 ¼	250-250-40	15.75-15.75-4.33	400-400-110
643048PSCU	1	1	11	10-10-1 ½	250-250-50	15.75-15.75-4.33	400-400-110
643050PSCU	1	1	11	10-10-2	250-250-63	15.75-15.75-4.92	400-400-125
643052PSCU	1	1	11	10-10-2 ½	250-250-75	15.75-15.75-5.51	400-400-140
643054PSCU	1	1	11	10-10-3	250-250-90	15.75-15.75-6.30	400-400-160
643056PSCU	1	1	11	10-10-3 ½	250-250-110	15.75-15.75-7.87	400-400-200
643058PSCU	1	1	11	10-10-4	250-250-125	15.75-15.75-8.86	400-400-225
643060PSCU	1	1	11	10-10-6	250-250-160	15.75-15.75-9.84	400-400-250
643070PSCU	1	1	11	10-10-8	250-250-200	15.75-15.75-12.40	400-400-315
643094PSCU	1	1	11	12-12-8	315-315-200	17.72-17.72-12.40	450-450-315
643096PSCU	1	1	11	12-12-10	315-315-250	17.72-17.72-15.75	450-450-400

**Description**



**SINGLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 1 bi-component dosage (polyol-isocyanate); 2 end caps and 2 curing caps; coupling sleeve (SDR 5) up to Ø 4"(125 mm) included, (butt-welding from Ø 6"(160 mm) up)

Part #	[Icon]	[Icon]	SDR	pipe dimensions		insulation dimensions		
				inches	mm	inches	mm	
62012PCZU	1	1	5	1	32	3.54	90	
62014PCZU	1	1	5	1 ¼	40	4.33	110	
62016PCZU	1	1	5	1 ½	50	4.33	110	
62018PCZU	1	1	5	2	63	4.92	125	
62020PCZU	1	1	5	2 ½	75	5.51	140	
62022PCZU	1	1	5	3	90	6.30	160	
62024PCZU	1	1	5	3 ½	110	7.87	200	
62026PCZU	1	1	5	4	125	8.86	225	
62028PCZ	1	1	5	6	160	9.84	250	
62030PCZ	1	1	5	8	200	12.40	315	
62032PCZ	1	1	5	10	250	15.75	400	
62034PCZ	1	1	5	12	315	17.72	450	

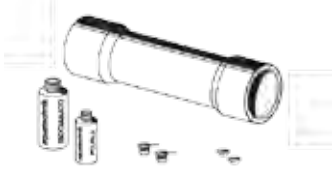
**Description**



**DOUBLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 2 shrinking bands; 1 bi-component dosage (polyol-isocyanate); 2 drilled plugs for seasoning; 2 end caps and 2 curing caps; coupling sleeve (SDR 5) up to Ø 4"(125 mm) included (butt-welding from Ø 6"(160 mm) up)

Part #	[Icon]	[Icon]	SDR	pipe dimensions		insulation dimensions		
				inches	mm	inches	mm	
62012PCXU	1	1	5	1	32	3.54	90	
62014PCXU	1	1	5	1 ¼	40	4.33	110	
62016PCXU	1	1	5	1 ½	50	4.33	110	
62018PCXU	1	1	5	2	63	4.92	125	
62020PCXU	1	1	5	2 ½	75	5.51	140	
62022PCXU	1	1	5	3	90	6.30	160	
62024PCXU	1	1	5	3 ½	110	7.87	200	
62026PCXU	1	1	5	4	125	8.86	225	
62028PCX	1	1	5	6	160	9.84	250	
62030PCX	1	1	5	8	200	12.40	315	
62032PCX	1	1	5	10	250	15.75	400	
62034PCX	1	1	5	12	315	17.72	450	

Description



**SINGLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 1 bi-component dosage (polyol-isocyanate); 2 drilled plugs for seasoning; 2 end caps and 2 curing caps; coupling sleeve and reduction (SDR 5) up to Ø 4"(125 mm) included, reduction (SDR 11) from Ø 6"(160 mm) up.

Part #			SDR	pipe dimensions		insulation dimensions		
				inches	mm	inches	mm	
62122PCZU	1	1	5	1 ¼-1	40 - 32	4.33-3.54	110 - 90	
62128PCZU	1	1	5	1 ½-1	50 - 32	4.33-3.54	110 - 90	
62130PCZU	1	1	5	1 ½-1 ¼	50 - 40	4.33-4.33	110 - 110	
62134PCZU	1	1	5	2-1	63 - 32	4.92-3.54	125 - 90	
62136PCZU	1	1	5	2-1 ¼	63 - 40	4.92-4.33	125 - 110	
62138PCZU	1	1	5	2-1 ½	63 - 50	4.92-4.33	125 - 110	
62139PCZU	1	1	5	2 ½-1 ¼	75 - 40	5.51-4.33	140 - 110	
62140PCZU	1	1	5	2 ½-1 ½	75 - 50	5.51-4.33	140 - 110	
62142PCZU	1	1	5	2 ½-2	75 - 63	5.51-4.92	140 - 125	
62152PCZU	1	1	5	3-2	90 - 63	5.51-4.92	160 - 125	
62153PCZU	1	1	5	3 - 2 ½	90 - 75	6.30-5.51	160 - 140	
62157PCZU	1	1	5	3 ½-2 ½	110 - 75	7.87-5.51	200 - 140	
62159PCZU	1	1	5	3 ½-3	110 - 90	7.87-6.30	200 - 160	
62170PCZU	1	1	5	4-3	125 - 90	8.86-6.30	225 - 160	
62172PCZU	1	1	5	4-3 ½	125 - 110	8.86-7.87	225 - 200	
62174PCZ	1	1	5	6-3	160 - 110	9.84-7.87	250 - 200	
62176PCZ	1	1	5	6-4	160 - 125	9.84-8.86	250 - 225	
62182PCZ	1	1	5	8-6	200 - 160	12.40-9.84	315 - 250	
62184PCZ	1	1	5	10-6	250 - 160	15.75-9.84	400 - 250	
62186PCZ	1	1	5	10-8	250 - 200	15.75-12.40	400 - 315	
62194PCZ	1	1	5	12-10	315 - 250	17.72-15.75	450 - 400	

**Description**



**DOUBLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 2 shrinkable bands; 1 bi-component dosage (polyol-isocyanate); 2 end caps and 2 curing caps; coupling sleeve and reduction (SDR 5) up to Ø 4" (125mm), reduction (SDR11) Ø 6" (160 mm) up.

Part #	[Icon]	[Icon]	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
62122PCXU	1	1	5	1 ¼-1	40 - 32	4.33-3.54	110 - 90
62128PCXU	1	1	5	1 ½-1	50 - 32	4.33-3.54	110 - 90
62130PCXU	1	1	5	1 ½-1 ¼	50 - 40	4.33-4.33	110 - 110
62134PCXU	1	1	5	2-1	63 - 32	4.92-3.54	125 - 90
62136PCXU	1	1	5	2-1 ¼	63 - 40	4.92-4.33	125 - 110
62138PCXU	1	1	5	2-1 ½	63 - 50	4.92-4.33	125 - 110
62139PCXU	1	1	5	2 ½-1 ¼	75 - 40	5.51-4.33	140 - 110
62140PCXU	1	1	5	2 ½-1 ½	75 - 50	5.51-4.33	140 - 110
62142PCXU	1	1	5	2 ½-2	75 - 63	5.51-4.92	140 - 125
62152PCXU	1	1	5	3-2	90 - 63	5.51-4.92	160 - 125
62153PCXU	1	1	5	3 - 2 ½	90 - 75	6.30-5.51	160 - 140
62157PCXU	1	1	5	3 ½-2 ½	110 - 75	7.87-5.51	200 - 140
62159PCXU	1	1	5	3 ½-3	110 - 90	7.87-6.30	200 - 160
62170PCXU	1	1	5	4-3	125 - 90	8.86-6.30	225 - 160
62172PCXU	1	1	5	4-3 ½	125 - 110	8.86-7.87	225 - 200
62174PCX	1	1	5	6-3	160 - 110	9.84-7.87	250 - 200
62176PCX	1	1	5	6-4	160 - 125	9.84-8.86	250 - 225
62182PCX	1	1	5	8-6	200 - 160	12.40-9.84	315 - 250
62184PCX	1	1	5	10-6	250 - 160	15.75-9.84	400 - 250
62186PCX	1	1	5	10-8	250 - 200	15.75-12.40	400 - 315
62194PCX	1	1	5	12-10	315 - 250	17.72-15.75	450 - 400

**Description**



**CLOSING COLLAR**, water-stop, heat-shrinking

Part #	[Icon]	[Icon]	SDR	pipe dimensions		insulation dimensions	
				inches	mm	inches	mm
69612PC	1	1	5	1	32	3.54	90
69614PC	1	1	5	1 ¼	40	4.33	110
69616PC	1	1	5	1 ½	50	4.33	110
69618PC	1	1	5	2	63	4.92	125
69620PC	1	1	5	2 ½	75	5.51	140
69622PC	1	1	5	3	90	6.30	160
69624PC	1	1	5	3 ½	110	7.87	200
69626PC	1	1	5	4	125	8.86	225
69628PC	1	1	5	6	160	9.84	250
69630PC	1	1	5	8	200	12.40	315
69632PC	1	1	5	10	250	15.75	400
69634PC	1	1	5	12	315	17.72	450



Description



SEALING RING, for wall passage

Part #			pipe dimensions		insulation dimensions	
			inches	mm	inches	mm
69662PC	1	1	1	32	3.54	90
69664PC	1	1	1 ¼	40	4.33	110
69666PC	1	1	1 ½	50	4.33	110
69668PC	1	1	2	63	4.92	125
69670PC	1	1	2 ½	75	5.51	140
69672PC	1	1	3	90	6.30	160
69674PC	1	1	3 ½	110	7.87	200
69676PC	1	1	4	125	8.86	225
69678PC	1	1	6	160	9.84	250
69680PC	1	1	8	200	12.40	315
69682PC	1	1	10	250	15.75	400
69684PC	1	1	12	315	17.72	450

Description



TAPERED MATRIX, to weld the PE closing plug for repairing joint

Part #			pipe dimensions	
			inches	mm
52120	1	1	¾	25

Description



CLEANING LIQUID, for all cleaning operations

Part #			weight
50330	1	1	1000 g

Description



CURING CAPS, made with PE, with vent spare part for repairing joint

Part #			pipe dimensions	
			inches	mm
52150	10		½	20

Description



END CAPS, made with PE, to be welded spare part for repairing joint

Part #			pipe dimensions	
			inches	mm
52152	10		½	20

# Fusion-Tech UV Black Piping

**Proprietary UV resistant PP-RCT 125 pipe and fittings**

## Range

From Ø ½" to 16"

## Use

For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F

## Outdoor Applications

Sanitary systems, heating/cooling, industrial, chemical and non-food grade fluid transport



## Advantages

- Leader in high flow rate and low pressure drop
- Resistant to lime, cement, plaster and electro-chemical reaction
- Completely compatible with warm and cold fluids
- Economical quick-and-easy installation

## Introducing aquatechnik Fusion-Tech Built-In UV Protection

A unique solution for pipe installation outside that requires no scraping to fuse pipe due to the UV protection embedded into the external layer of the pipe saving labor hours and ensuring ease of installation. The only approved industrial strength pipe of its kind, made with long-term durability to high temperature/pressure applications (PP-RCT 125) that enable long-term UV protection. Resistance to UV degradation is increased with the addition of a proprietary UV stabilizer additive.

Fusion-Tech UV piping was tested during an accelerated aging process lasting 10,000 hours. Special Weatherometer equipment testing instruments monitored the effects of light, oxidation and moisture on the pipes throughout the test.

At the end of the aging process, with an overall UV radiation of around 800 KLy, the material didn't show any significant change in physical or chemical characteristics.

The UV resistance has been increased more than 20 times with reference to the polypropylene without this additive.

Fusion-Tech UV Black piping facilitates:

- Safe outdoor installations
- Fusion welding without any special treatment or scraping of pipe and fittings
- Fusion welding directly to all aquatechnik Fusion-Tech pipe for transitions to indoor applications

## The New Standard for PP-R UV Protection

The aquatechnik engineering team has created an innovative solution to a longstanding polymer piping challenge -- **with a proven, durable UV protection for outdoor aquatechnik piping installations.**

An aquatechnik **Fusion-Tech UV** pipe and fittings system is an easy-to-install, safe and long-term outdoor piping solution offering these distinct advantages.

**Fusion-Tech UV** features a proprietary UV stabilizer additive built right into the outer layer of aquatechnik PP-R pipe and fittings (Patent Pending).

**Fusion-Tech UV** saves professional installers substantial time, cost and risk associated with other UV protection processes involving painting pipe, or cutting and scraping a polyethylene jacket on the pipe.

**Fusion-Tech UV** eliminates the need to scrape and paint during heat fusion pipe installation, or repair torn jacketing.

**Fusion-Tech UV** has undergone comprehensive field testing, and is compatible with all other aquatechnik pipe and fittings.



**1+1=1**

Ask your regional **AUTHORIZED REGIONAL AQUATECHNIK DISTRIBUTOR** or **REP** for more information. Or, visit Professional Resources at [www.aquatechnikNA.com](http://www.aquatechnikNA.com).

# Fusion-Tech Applicable Certifications, Standards and Regulations

Fusion-Tech faser Fiber-T Red Striped pipe		Fusion-Tech faser Fiber-COND Grey Striped Pipe	
Listings and Approvals:	Reference Standards:	Listings and Approvals:	Reference Standards:
NSF 61	ASTM F2389-17	NSF 14	ASTM F2389-17
NSF 14	ASTM F2023	NSF 372	ASTM F2023
NSF 51	ASTM D2837	IPC 2009 sec. 605IMC2009 ch. 12	ASTM D2837
NSF-pw	DIN 8078	IRC 2009 ch. 21 & 26	DIN 8078
NSF 372	DIN 8077	UMC 2012 ch. 6	DIN 8077
IPC 2009 sec. 605IMC2009 ch. 12	CSA B137.11		CSA B137.11
IRC 2009 ch. 21 & 26	CSA B214		CSA B214
UMC 2012 ch. 6	ISO 9080		ISO 9080
	ISO 15874		ISO 15874
	ISO 9001		ISO 9001

Fusion-Tech® UV





**Description**

**FUSION-TECH faser FIBER-COND UV BLACK PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multi-layer pipe with special fibers, white color with grey stripes, not potable hot and cold water, stick length 19 ft

Part #	ft. per package	No. sticks	SDR	OD		thick.		ID	
				inches	mm	inches	mm	inches	mm
61458SR	475	25	7.4	½	20	0.11	2.8	0.57	14.4
61460SR	380	20	7.4	¾	25	0.14	3.5	0.71	18.0
61462SR	190	10	11	1	32	0.11	2.9	1.03	26.2
61464SR	190	10	11	1 ¼	40	0.15	3.7	1.28	32.6
61466SR	95	5	11	1 ½	50	0.18	4.6	1.61	40.8
61468SR	95	5	11	2	63	0.23	5.8	2.02	51.4
61470SR	95	5	11	2 ½	75	0.27	6.8	2.42	61.4
61472SR	57	3	11	3	90	0.32	8.2	2.90	73.6
61474SR	38	2	11	3 ½	110	0.39	10.0	3.54	90.0
61476SR	19	1	11	4	125	0.45	11.4	4.02	102.2
61478SR	19	1	11	6	160	0.57	14.6	5.15	130.8
61480SR	19	1	11	8	200	0.72	18.2	6.44	163.6
61482SR	19	1	11	10	250	0.89	22.7	8.06	204.6
61484SR	19	1	11	12	315	1.13	28.6	10.15	257.8
61476ZSR	19	1	17.6	4	125	0.28	7.1	4.36	110.8
61478ZSR	19	1	17.6	6	160	0.36	9.1	5.94	150.9
61480ZSR	19	1	17.6	8	200	0.45	11.4	7.43	188.6
61482ZSR	19	1	17.6	10	250	0.56	14.2	9.28	235.8
61484ZSR	19	1	17.6	12	315	0.70	17.9	11.70	297.1
61486ZSR	19	1	17.6	14	355	0.80	20.2	13.18	334.8
61488ZSR	19	1	17.6	16	400	0.89	22.7	14.85	377.3



**Description**

**COUPLING**, UV resistant, for socket fusion

Part #	No. sticks	No. sticks	SDR	dimensions	
				inches	mm
62008SR	10	400	5	½	20
62010SR	10	300	5	¾	25
62012SR	5	150	5	1	32
62014SR	5	250	5	1 ¼	40
62016SR	5	150	5	1 ½	50
62018SR	1	50	5	2	63
62020SR	1	60	5	2 ½	75
62022SR	1	42	5	3	90
62024SR	1	24	5	3 ½	110
62026SR	1	12	5	4	125

Description



BUSHING, UV resistant, Ø ½" to 4" for socket fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
62112SR	10	400	5	¾ - ½	25 - 20
62114SR	10	300	5	1 - ½	32 - 20
62116SR	10	300	5	1 - ¾	32 - 25
62118SR	5	500	5	1 ¼ - ½	40 - 20
62120SR	5	400	5	1 ¼ - ¾	40 - 25
62122SR	5	300	5	1 - 1	40 - 32
62124SR	5	300	5	1 ½ - ½	50 - 20
62126SR	5	300	5	1 ½ - ¾	50 - 25
62128SR	5	300	5	1 ½ - 1	50 - 32
62130SR	5	200	5	1 ½ - 1 ¼	50 - 40
62132SR	1	150	5	2 - ¾	63 - 25
62134SR	1	100	5	2 - 1	63 - 32
62136SR	1	100	5	2 - 1 ¼	63 - 40
62138SR	1	100	5	2 - 1 ½	63 - 50
62139SR	1	100	5	2 ½ - 1 ¼	75 - 40
62140SR	1	80	5	2 ½ - 1 ½	75 - 50
62142SR	1	80	5	2 ½ - 2	75 - 63
62144SR	1	50	5	3 - 1 ½	90 - 50
62152SR	1	50	5	3 - 2	90 - 63
62153SR	1	50	5	3 - 2 ½	90 - 75
62155SR	1	30	5	3 ½ - 2	110 - 63
62157SR	1	30	5	3 ½ - 2 ½	110 - 75
62159SR	1	30	5	3 ½ - 3	110 - 90
62168SR	1	30	5	4 - 2 ½	125 - 75
62170SR	1	30	5	4 - 3	125 - 90
62172SR	1	24	5	4 - 3 ½	125 - 110

Description



REDUCER, from Ø 6" to 12" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
62173SR	1	8	11	6 - 3	160 - 90
62174SR	1	8	11	6 - 3 ½	160 - 110
62176SR	1	4	11	6 - 4	160 - 125
62180SR	1		11		
62182SR	1	1	11	8 - 6	200 - 160
62184SR	1	1	11	10 - 6	250 - 160
62186SR	1	1	11	10 - 8	250 - 200
62200SR	1	1	11	12 - 10	315 - 250

**Description**



**90° ELBOW**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
63108SR	10	350	5	½	20
63110SR	10	250	5	¾	25
63112SR	5	100	5	1	32
63114SR	5	150	5	1 ¼	40
63116SR	5	80	5	1 ½	50
63118SR	1	40	5	2	63
63120SR	1	30	5	2 ½	75
63122SR	1	18	5	3	90
63124SR	1	10	5	3 ½	110
63126SR	1	5	5	4	125
63128SR	1	3	11	6	160
63130SR	1	1	11	8	200
63132SR	1	1	11	10	250
63134SR	1	1	11	12	315

**Description**



**90° SOCKET X MALE ELBOW**, UV resistant, for socket fusion directly to PP-R fitting

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
63308SR	10	350	5	½	20
63310SR	10	250	5	¾	25
63312SR	5	100	5	1	32
63314SR	5	150	5	1 ¼	40

**Description**



**CROSS**, for socket fusion

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
64308SR	10	400	5	½	20
64310SR	10	300	5	¾	25
64312SR	5	150	5	1	32
64314SR	1	80	5	1 ¼	40
64322USR					
64326USR					
64328USR					
64330USR					
64332USR					
64334USR					

Description



45° ELBOW, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
63508SR	10	400	5	½	20
63510SR	10	250	5	¾	25
63512SR	5	150	5	1	32
63514SR	5	150	5	1 ¼	40
63516SR	5	80	5	1 ½	50
63518SR	1	50	5	2	63
63520SR	1	36	5	2 ½	75
63522SR	1	18	5	3	90
63524SR	1	10	5	3 ½	110
63526SR	1	5	5	4	125
63528SR	1	3	11	6	160
63530SR	1	1	11	8	200
63532SR	1	1	11	10	250
63534SR	1	1	11	12	315

Description



45° MALE ELBOW, UV resistant, for socket fusion directly to PP-R fitting

Part #	□	⊞	SDR	dimensions	
				inches	mm
63708SR	10	400	5	½	20
63710SR	10	300	5	¾	25
63712SR	5	150	5	1	32

**Description**



**TEE**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

Part #	□	☐	SDR	dimensions	
				<i>inches</i>	<i>mm</i>
64108SR	10	250	5	½	20
64110SR	10	150	5	¾	25
64112SR	5	80	5	1	32
64114SR	5	100	5	1 ¼	40
64116SR	5	50	5	1 ½	50
64118SR	1	30	5	2	63
64120SR	1	25	5	2 ½	75
64122SR	1	16	5	3	90
64124SR	1	10	5	3 ½	110
64126SR	1	5	5	4	125
64128SR	1	2	11	6	160
64130SR	1	1	11	8	200
64132SR	1	1	11	10	250
64134SR	1	1	11	12	315

**Description**



**CAP**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

Part #	□	☐	SDR	dimensions	
				<i>inches</i>	<i>mm</i>
65008SR	10	500	5	½	20
65010SR	10	450	5	¾	25
65012SR	5	250	5	1	32
65014SR	5	350	5	1 ¼	40
65016SR	5	200	5	1 ½	50
65018SR	1	80	5	2	63
65020SR	1	80	5	2 ½	75
65022SR	1	50	5	3	90
65024SR	1	24	5	3 ½	110
65026SR	1	12	5	4	125



Description



REDUCING TEE, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

Part #	□	⊞	SDR	dimensions	
				inches	mm
64220SR	10	150	5	¾ - ½ - ½	25-20-20
64222SR	10	150	5	¾ - ¾ - ½	25-25-20
64232SR	5	100	5	1 - ¾ - ¾	32-25-25
64234SR	5	100	5	1 - 1 - ½	32-32-20
64240SR	5	100	5	1 - 1 - ¾	32-32-25
64242SR	5	120	5	1 ¼ - 1 ¼ - ½	40-40-20
64244SR	5	120	5	1 ¼ - 1 ¼ - ¾	40-40-25
64245SR	5	100	5	1 ¼ - 1 - 1	40-32-32
64246SR	5	100	5	1 ¼ - 1 ¼ - 1	40-40-32
64247SR	5	60	5	1 ½ - 1 ½ - ½	50-50-20
64248SR	5	60	5	1 ½ - 1 ½ - ¾	50-50-25
64250SR	5	60	5	1 ½ - 1 ½ - 1	50-50-32
64251SR	5	60	5	1 ½ - 1 ½ - 1 ¼	50-50-40
64252SR	1	35	5	2 - 2 - ½	63-63-20
64254SR	1	35	5	2 - 2 - ¾	63-63-25
64256SR	1	35	5	2 - 2 - 1	63-63-32
64258SR	1	35	5	2 - 2 - 1 ¼	63-63-40
64260SR	1	30	5	2 - 2 - 1 ½	63-63-50
64261SR	1	25	5	2 ½ - 2 ½ - ½	75-75-20
64262SR	1	25	5	2 ½ - 2 ½ - ¾	75-75-25
64264SR	1	25	5	2 ½ - 2 ½ - 1	75-75-32
64266SR	1	25	5	2 ½ - 2 ½ - 1 ¼	75-75-40
64268SR	1	25	5	2 ½ - 2 ½ - 1 ½	75-75-50
64270SR	1	16	5	2 ½ - 2 ½ - 2	75-75-63
64280SR	1	16	5	3 - 3 - 1 ½	90-90-50
64282SR	1	16	5	3 - 3 - 2	90-90-63
64284SR	1	16	5	3 - 3 - 2 ½	90-90-75
64286SR	1	10	5	3 ½ - 3 ½ - 2	110-110-63
64288SR	1	10	5	3 ½ - 3 ½ - 2 ½	110-110-75
64290SR	1	10	5	3 ½ - 3 ½ - 3	110-110-90
64294SR	1	5	5	4 - 4 - 3	125-125-90
64296SR	1	5	5	4 - 4 - 3 ½	125-125-110

**Description**



**SADDLE FUSION OUTLET**, UV resistant, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
650472SR	10	400	5	½	20	1 ¼	40	50346
650474SR	10	300	5	¾	25	1 ¼	40	50348
650478SR	10	400	5	½	20	1 ½	50	50346
650480SR	10	300	5	¾	25	1 ½	50	50348
650498SR	10	400	5	½	20	2 - 2 ½	63 - 75	50346
650500SR	10	300	5	¾	25	2 - 2 ½	63 - 75	50348
650502SR	5	150	5	1	32	2 - 2 ½	63 - 75	50352
650556SR	10	400	5	½	20	3 ½ - 4	110 - 125	50346
650558SR	10	300	5	¾	25	2 ½ - 4	75 - 125	50348
650560SR	5	150	5	1	32	3 - 4	90 - 125	50352
650580SR	5	100	5	1 ¼	40	3	90	50354
650600SR	5	100	5	1 ¼	40	3 ½	110	50354
650620SR	5	70	5	1 ½	50	3 ½	110	50356
650638SR	5	100	5	1 ¼	40	4	125	50354
650640SR	5	70	5	1 ½	50	4	125	50356
650660SR	1	50	5	2	63	4	125	50358

**Description**



**DIRECT FUSION OUTLET**, UV resistant, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
65132SR	10	1000	5	½	20	1 ½ ~ 12	50 ~ 315	50346
65134SR	10	500	5	¾	25	2 ~ 12	63 ~ 315	50348
65136SR	5	400	5	1	32	2 ½ ~ 12	75 ~ 315	50352
65138SR	1	200	5	1 ¼	40	2 ½ ~ 12	75 ~ 315	50354

**Description**



**DIRECT FUSION OUTLET X THREADED FEMALE**, UV resistant, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
65152SR	5	200	5	½	20	1 ½ ~ 12	50 ~ 315	50346
65154SR	5	150	5	¾	25	2 ~ 12	63 ~ 315	50348

Description



FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION, UV resistant, lead-free, for outlet socket fusion

Part #	□	⊞	SDR	output Ø		for pipe		miller
				inches	mm	inches	mm	
65170SR	5	150	5	½	sm16	1 ½ ~ 10	50 ~ 250	50346
65172SR	5		5	¾	sm20	1 ½ ~ 10	50 ~ 250	50346
65174SR	5		5	¾	sm26	2 ~ 10	50 ~ 250	50348

Description



FLANGE ADAPTER, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

Part #	□	⊞	SDR	dimensions		collar OD	
				inches	mm	inches	mm
65208SR	10	1000	11	½	20	1.02	26
65210SR	10	400	11	¾	25	1.30	33
65212SR	10	300	11	1	32	1.57	40
65214SR	5	200	11	1 ¼	40	1.93	49
65216SR	5	100	11	1 ½	50	2.28	58
65218SR	1	50	11	2	63	2.87	73
65220SR	1	40	11	2 ½	75	3.50	89
65222SR	1	25	11	3	90	4.25	108
65224SR	1	16	11	3 ½	110	5.12	130
65226SR	1	25	11	4	125	5.79	147
65228SR	1	4	11	6	160	8.35	212
65230SR	1	4	11	8	200	10.55	268
65232SR	1	1	11	10	250	12.63	320
65234SR	1	1	11	12	315		

Description



ALUMINUM FLANGE, with ANSI bolt pattern, for collars

Part #	□	⊞	for collar		ID		OD		no. holes
			inches	mm	inches	mm	inches	mm	
65266U	10	1000	½	20	0.07	28.00	3.74	95.00	4
65268U	10	400	¾	25	0.09	34.00	4.13	105.00	4
65270U	10	300	1	32	0.11	42.00	4.53	115.00	4
65272U	5	200	1 ¼	40	0.15	51.00	5.51	140.00	4
65274U	5	100	1 ½	50	0.18	62.00	5.91	150.00	4
65276U	1	50	2	63	0.23	78.00	6.50	165.00	4
65278U	1	40	2 ½	75	0.27	92.00	7.28	185.00	4
65280U	1	25	3	90	0.32	108.00	7.87	200.00	8
65282U	1	16	3 ½	110	0.39	128.00	8.66	220.00	8
65284U	1	25	4	125	0.45	135.00	9.84	250.00	8
65286U	1	4	6	160	0.57	178.00	11.22	285.00	8
65290U	1	4	8	200	0.72	235.00	13.39	340.00	8
65292U	1	1	10	250	0.89	290.00	15.55	395.00	12
65294U	1	1	12	315					

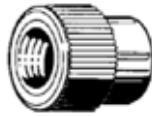
**Description**



**faser FIBER-T PIPE CROSSOVER**, UV resistant, for socket fusion

Part #	10	250	SDR	dimensions	
				inches	mm
65414SR	10	250	7.4	½	20

**Description**



**FEMALE THREADED ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe

Part #	10	200	SDR	dimensions	
				inches	mm
66008USR	10	200	5	F½ - ½	F½ - 20
66009USR	10	200	5	F½ - ¾	F½ - 25
66010USR	10	200	5	F¾ - ¾	F¾ - 25
66011USR	10	200	5	F¾ - ½	F¾ - 20
66013USR	5	150	5	F¾ - 1	F¾ - 32

**Description**



**FEMALE THREADED HEX ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe

Part #	10	200	SDR	dimensions	
				inches	mm
66108USR	10	200	5	F½ - ½	F½ - 20
66109USR	10	150	5	F¾ - ½	F¾ - 20
66110USR	10	150	5	F¾ - ¾	F¾ - 25
66112USR	5	80	5	F1 - 1	F1 - 32
66114USR	5	50	5	F1 ¼ - 1 ¼	F1 ¼ - 40
66116USR	1	40	5	F1 ½ - 1 ½	F1 ½ - 50
66118USR	1	25	5	F2 - 2	F2 - 63
66120USR	1	15	5	F2 ½ - 2 ½	F2 ½ - 75
66122USR	1	12	5	F3 - 3	F3 - 90
66124USR	1	6	5	F4 - 4	F4 - 125
66126USR	1	4	5	F5 - 4	F5 - 125

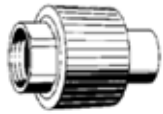
**Description**



**FEMALE THREADED BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

Part #	10	200	SDR	dimensions	
				inches	mm
66150USR	10	200	5	F½ - ½	F½ - 20

Description



**FEMALE THREADED HEX BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with hexagonal seat and alloy thread

Part #			SDR	dimensions	
				inches	mm
66158USR	10	200	5	F½ - ½	F½ - 20

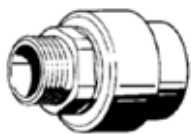
Description



**MALE THREADED ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe with alloy thread

Part #			SDR	dimensions	
				inches	mm
66208USR	10	200	5	M½ - ½	M½ - 20
66209USR	10	200	5	M½ - ¾	M½ - 25
66210USR	10	200	5	M¾ - ¾	M¾ - 25
66211USR	10	200	5	M¾ - ½	M¾ - 20
66213USR	5	150	5	M ¾ - 1	M ¾ - 32

Description



**MALE THREADED HEX ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe, with hexagonal seat and alloy thread

Part #			SDR	dimensions	
				inches	mm
66308USR	10	200	5	M½ - ½	M½ - 20
66310USR	10	150	5	M¾ - ¾	M¾ - 25
66311USR	10	150	5	M¾ - ½	M¾ - 20
66312USR	5	70	5	M1 - 1	M1 - 32
66314USR	5	50	5	M1 ¼ - 1 ¼	M1 ¼ - 40
66316USR	5	40	5	M1 ½ - 1 ½	M1 ½ - 50
66318USR	1	20	5	M2 - 2	M2 - 63
66320USR	1	20	5	M2 ½ - 2 ½	M2 ½ - 75
66321USR	1	15	5	M2 ½ - 3	M2 ½ - 90
66322USR	1	6	5	M3 - 3	M3 - 90
66324USR	1	6	5	M3 - 3 ½	M3 - 110

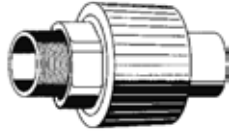
Description



**MALE THREADED BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

Part #			SDR	dimensions	
				inches	mm
66350USR	10	200	5	M½ - ½	M½ - 20

**Description**



**MALE THREADED HEX BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with hexagonal

Part #			SDR	dimensions	
				inches	mm
66358USR	10	200	5	M½ - ½	M½ - 20

**Description**



**FEMALE THREAD X SOCKET ELBOW**, UV resistant, lead-free, for socket fusion to PP-R pipe, without bracket, with alloy thread

Part #			SDR	dimensions	
				inches	mm
67008USR	10	200	5	F½ - ½	F½ - 20
67009USR	10	150	5	F½ - ¾	F½ - 25
67010USR	10	150	5	F¾ - ¾	F¾ - 25
67011USR	10	100	5	F¾ - ½	F¾ - 20
67013USR	5	100	5	F¾ - 1	F¾ - 32
67014USR	5	70	5	F1 - 1	F1 - 32

**Description**



**DROP EAR ELBOW**, UV resistant, lead-free, for socket fusion to PP-R pipe, with bracket, with alloy thread

Part #			SDR	dimensions	
				inches	mm
67108USR	10	150	5	F½ - ½	F½ - 20
67109USR	10	100	5	F¾ - ½	F¾ - 20
67110USR	10	100	5	F¾ - ¾	F¾ - 25
67111USR	10	100	5	F½ - ¾	F½ - 25

**Description**



**FEMALE THREADED X MALE SOCKET ELBOW**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, without bracket, with alloy thread

Part #			SDR	dimensions	
				inches	mm
67208USR	10	200	5	F1/2 - 1/2	F1/2 - 20

Description



**MALE THREADED X SOCKET ELBOW**, UV resistant, lead-free, for socket fusion to PP-R pipe, with alloy thread

Part #	□	📦	SDR	dimensions	
				inches	mm
67500USR	10	100	5	M ½ - ¾	M ½ - 25
67508USR	10	150	5	M ½ - ½	M ½ - 20
67509USR	10	100	5	M ¾ - ½	M ¾ - 20
67510USR	10	100	5	M ¾ - ¾	M ¾ - 25
67511USR	5	50	5	M ¾ - 1	M ¾ - 32
67512USR	5	50	5	M1 - 1	M1 - 32

Description



**FEMALE THREADED TEE**, UV resistant, lead-free, for socket fusion to PP-R pipe, with alloy thread

Part #	□	📦	SDR	dimensions	
				inches	mm
68008USR	10	150	5	½ - ½ - F ½	20 - 20 - F ½
68009USR	10	100	5	½ - ½ - F ¾	20 - 20 - F ¾
68010USR	10	100	5	¾ - ¾ - F ¾	25 - 25 - F ¾
68011USR	10	100	5	¾ - ¾ - F ½	25 - 25 - F ½
68014USR	5	50	5	1 - 1 - F ¾	32 - 32 - F ¾
68016USR	5	50	5	1 - 1 - F1	32 - 32 - F1

Description



**MALE THREADED TEE**, UV resistant, lead-free, for socket fusion to PP-R pipe, with alloy thread

Part #	□	📦	SDR	dimensions	
				inches	mm
68508USR	10	150	5	½ - ½ - M ½	20 - 20 - M ½

Description



**PIPE UNION ADAPTER WITH NUT**, UV resistant, for socket fusion directly to PP-R fitting, for ball valves: 40008U, 40058U, 40068U, 40098U, 40108U

Part #	□	📦	dimensions	
			inches	mm
40208SR	10	200	F ¾ - ½	F ¾ - 20
40210SR	10	200	F1 - ¾	F1 - 25
40212SR	5	100	F1 ½ - 1	F1 ½ - 32
40214SR	5	100	F1 ½ - 1 ¼	F1 ½ - 40
40216SR	1	50	F2 - 1 ½	F2 - 50
40218SR	1	20	F2 ½ - 2	F2 ½ - 63

**Description**



**GLOBE STOP-COCK BODY**, UV resistant, lead-free, for socket fusion, for screw type shut-off valves, with alloy thread

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
40846USR	10	100	5	½	20
40847USR	10	100	5	¾	25
40850USR	5	50	5	1	32

**Description**



**STOP-COCK BODY WITH BALL VALVE**, UV resistant, alloy, for socket fusion

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
40852USR	1		5	½	20
40854USR	1		5	¾	25

**Description**

**PIPE UNION**, UV resistant, all PP-R made, for socket fusion

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
69320USR	10		11	½	20
69322USR	10		11	¾	25
69324USR	5		11	1	32

**Description**

**PIPE UNION with CHECK VALVE**, UV resistant, for socket fusion

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
69360USR	10		11	½	20
69362USR	10		11	¾	25
69364USR	5		11	1	32

**Description**



**PP-R PIPE PLUG**, UV resistant, for socket fusion, for hole repairs

Part #			dimensions	
			<i>inches</i>	<i>mm</i>
69350USR	10	1000	0.28 - 0.43	7 - 11



Description



**BALL VALVE**, alloy, for socket fusion directly to PP-R fittings, with male pipe unions

Part #			SDR	dimensions	
				<i>inches</i>	<i>mm</i>
40008USR	5	50	11	½	20
40010USR	5	40	11	¾	25
40012USR	1	20	11	1	32
40014USR	1	15	11	1 ¼	40
40016USR	1	10	11	1 ½	50
40018USR	1	7	11	2	63

Description



**PRE-BORED PLATE**, for mounting fittings

Part #			for code
27058SR	5	250	67108U-67109U-67110U-67111U

# aquatechnik NA Safety<sup>®</sup>-Pol

Patented fittings of PPSU with PAM Caps



#### Range

From Ø ½" to 2½"

#### Use

Transport of hot/cold fluid and non-potable fluids with maximum working temperature/pressure 203°F/145psi

#### Applications

Heating/cooling and industrial fluid transport

#### Advantages

- Simple and safe connections for in-wall installations
- High impact-resistant
- High flow rates and low pressure drops
- Quick-and-easy installation
- Possibility to unlock fittings for re-use
- Resistant to lime, cement, plaster and electro-chemical reaction
- Low cost and economical dedicated tools
- Less waste by re-using fittings

The safety-pol fittings are the product of continuous technical innovation and research, which are an integral to aquatechnik<sup>®</sup> success. This new range was designed and patented by the aquatechnik<sup>®</sup> group spa to reach the highest safety standards regarding the connection of in-wall multi-layer pipe installations.

The main features of the safety-pol system are:

- patented aquatechnik<sup>®</sup> tools flare the pipe around the fitting to maintain precise inside diameters of the fittings, reducing pressure drops throughout the fittings
- the pipe is locked on the fitting by a tight collar/cap connection, but can be unlocked and used again.

The idea to develop the safety-pol fittings came from the decision to increase the flow – consequently decreasing pressure drops and friction - making a greater diameter socket on the pipe head for the connection.

The project has been carried out step by step, going through all necessary tests and paying great attention to reliability factors for its in-wall piping use.

The industrial production began only after receiving certifications from international authorities for the whole range and its dedicated accessories.

The socket on the pipe head is special tool that ensures a quick, reliable and safe connection.



# Safety®-Pol Applicable Certifications, Standards and Regulations

## Safety®-Pol fittings & multi-color pipe

Listings and Approvals:	Reference Standards:
NSF 61	ASTM F876
NSF 14	ASTM F877
NSF-pw	ASTM 1281-11
NSF 372	ASTM 2023
CSA B137.5	ASTM F2080
	AWWA C904
	CSA B214
	CSA C448
	DIN 4726
	ISO 9080
	ISO 9001
Applicable Codes:	
Uniform Plumbing Code (UPC)	
Uniform Mechanical Code (UMC)	
National Plumbing Code (NRC)	
International Plumbing Code (IPC)	
International Mechanical Code (IMC)	
International Residential Code (IRC)	





**Description**

**MULTI-CALOR PIPE**, (PE-X/Al/PE-X) NP 145 psi, 50 - 203°F, white in color, available in Ø1/2" (16mm)-1"(32mm)

Part #	pkg. ft.	Nominal Diameter (inches)	Actual Ext. Dia. (mm)	Thick. (inches)	Thick. (mm)
74154U	196.85	½	16	0.079	2
74156U	131.23	¾	20	0.079	2
74158U	131.23	¾	26	0.118	3
74160U	104.99	1	32	0.118	3



**Description**

**MULTI-CALOR PIPE**, (PE-X/Al/PE-X) NP 145 psi, 50 - 203°F, white in color, available in Ø1/2" (16mm)-1"(32mm)

Part #	pkg. ft.	Pallet ft.	Nominal Dimension (inches)	Actual Ext. Dia. (mm)	Thick. (inches)	Thick. (mm)
74004U3	300		½	16	0.079	2
74004U10	1000		½	16	0.079	2
74008U3	300		¾	20	0.079	2
74008U5	500		¾	20	0.079	2
74010U3	300		¾	26	0.118	3
74010U5	500		¾	26	0.118	3
74012U1	100		1	32	0.118	3
74012U3	300		1	32	0.118	3
74012U5	500		1	32	0.118	3



**Description**

**SHELL**, dilatation containment shell in zinc-plated steel to support free lying pipe; available in 13 ft lengths for Ø5/8" (20mm)-1"(32mm)

Part #	pkg. ft.	for Nominal Dimension (inches)
61508	13.12	¾
61510	13.12	¾
61512	13.12	1

\*sm= safety-pol male sf= safety-pol female

Description



THREADED MALE JOINT, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20002U	10	30	M½ - sm½	16	2
20006U	10	250	M½ - sm¾	20	2
20010U	10	250	M¾ - sm¾	20	2
20012U	5	100	M¾ - sm¾	26	3
20016U	5	80	M1 - 1	32	3

Description



THREADED FEMALE JOINT, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20062U	10	300	F½ - sm½	16	2
20066U	10	250	F½ - sm¾	20	2
20070U	10	250	F¾ - sm¾	20	2
20072U	5	100	F¾ - sm¾	26	3
20076U	5	80	F1 - sm1	32	3

Description



REDUCER, safety-pol, with PPSU available in Ø1/2" (16mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20122U	10	250	sf¾ - sm½	16	2
20126U	5	200	sf¾ - sm½	16	2
20130U	5	200	sf¾ - sm¾	20	2
20132U	5	80	sf1 - sm½	16	2
20136U	5	80	sf1 - sm¾	20	2
20138U	5	80	sf1 - sm¾	26	3

\*sm= safety-pol male sf= safety-pol female



**Description**

**THREADED FEMALE ELBOW w BRACKET**, safety-pol, with PPSU NPT thread, with bracket available in Ø1/2" (16mm)-5/8"(20mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20212U	10	200	F½ - sm½	16	2
20216U	10	250	F½ - sm¾	20	2



**Description**

**THREADED FEMALE ELBOW**, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20222U	10	250	F½ - sm½	16	2
20226U	10	200	F½ - sm¾	20	2
20230U	10	150	F¾ - sm¾	20	2
20232U	5	100	F¾ - sm¾	26	3
20238U	5	60	F1 - sm1	32	3



**Description**

**THREADED MALE ELBOW**, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20282U	10	300	M½ - sm½	16	2
20286U	10	200	M½ - sm¾	20	2
20288U	10	150	M¾ - sm¾	20	2
20290U	5	100	M¾ - sm¾	26	3
20296U	5	60	M1 - sm1	32	3



**Description**

**THREADED F/F ELBOW**, safety-pol, with PPSU NPT thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for fitting w/ nom. dia.
				(inches)
20332U	10	200	F½ - sf½	½
20336U	10	150	F½ - sf¾	¾
20337U	5	100	F¾ - sf¾	¾
20338U	5	80	F1 - sf1	1

\*sm= safety-pol male sf= safety-pol female

Description



**THREADED M/F ELBOW**, safety-pol, with PPSU NPT thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

Part #			Nominal Dia. (inches)	for fitting w/ nom. dia. (inches)
20342U	10	200	M½ - sf½	½
20344U	10	150	M½ - sf¾	¾
20346U	5	100	M¾ - sf¾	¾
20348U	5	80	M1 - sf1	1

Description



**90° M/F ELBOW**, safety-pol, with turning cap; available in Ø1/2" (16mm)-1"(32mm)

Part #			Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20352U	10	200	sf½ - sm½	16	2
20356U	10	150	sf¾ - sm¾	20	2
20358U	5	80	sf¾ - sm¾	26	3
20360U	5	50	sf1 - sm1	32	3

Description



**90° ELBOW**, safety-pol, with PPSU thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

Part #			Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20382U	10	250	sm½ - sm½	16	2
20386U	10	150	sm¾ - sm¾	20	2
20388U	5	60	sm¾ - sm¾	26	3
20390U	5	40	sm1 - sm1	32	3

Description



**90° F/F ELBOW**, safety-pol, with PPSU thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

Part #			Nominal Dia. (inches)	for fitting
				w/ nom. dia. (inches)
20402U	10	250	sf½ - sf½	½
20406U	10	200	sf¾ - sf¾	¾
20408U	5	100	sf¾ - sf¾	¾
20410U	5	60	sf1 - sf1	1

\*sm= safety-pol male sf= safety-pol female

**Description**



45° ELBOW, safety-pol, with PPSU; available in Ø5/8" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20416U	10	120	sm $\frac{5}{8}$ - sm $\frac{5}{8}$	20	2
20418U	5	50	sm $\frac{3}{4}$ - sm $\frac{3}{4}$	26	3
20420U	5	30	sm1 - sm1	32	3

**Description**



PIPE COUPLING, safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20442U	10	250	sm $\frac{1}{2}$ - sm $\frac{1}{2}$	16	2
20446U	10	200	sm $\frac{3}{8}$ - sm $\frac{3}{8}$	20	2
20448U	5	80	sm $\frac{1}{4}$ - sm $\frac{1}{4}$	26	3
20450U	5	60	sm1 - sm1	32	3

**Description**



REDUCED PIPE COUPLING, safety-pol, with PPSU; available in Ø1/2" (20mm)-3/4"(26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20472U	10	200	sm $\frac{1}{2}$ - sm $\frac{3}{8}$	16/20	2
20480U	10	80	sm $\frac{3}{8}$ - sm $\frac{1}{4}$	20/26	2/3

**Description**



F/F Nipple, safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for fitting
				w/ nom. dia. (inches)
20522U	10	250	sf1/2 - sf1/2	$\frac{1}{2}$
20526U	10	200	sf5/8 - sf5/8	$\frac{3}{8}$
20528U	5	150	sf3/4 - sf3/4	$\frac{1}{4}$
20530U	5	60	sf1 - sf1	1

\*sm= safety-pol male sf= safety-pol female



Description



THREADED FEMALE TEE safety-pol, with PPSU NPT thread; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20542U	10	150	sm½ - sm½ - F½	16	2
20546U	10	120	sm¾ - sm¾ - F½	20	2
20550U	5	50	sm¾ - sm¾ - F¾	26	3
20556U	5	30	sm1 - sm1 - F1	32	3

Description



OFFSET THREADED FEMALE TEE safety-pol, with PPSU NPT thread; available in Ø1/2" (20mm)-5/8"(20mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20592U	10	100	sm½ - sm½ - F½	16	2
20596U	10	80	sm¾ - sm¾ - F½	20	2

Description



TEE safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20662U	10	100	sm½ - sm½ - sm½	16	2
20666U	10	80	sm¾ - sm¾ - sm¾	20	2
20668U	5	40	sm¾ - sm¾ - sm¾	26	3
20670U	5	30	sm1 - sm1 - sm1	32	3

Description



REDUCED TEE safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20717U	10	80	sm¾ - sm½ - sm½	16/20	2
20720U	10	80	sm¾ - sm¾ - sm½	16/20	2
20725U	5	40	sm¾ - sm¾ - sm½	16/26	2/3
20728U	5	40	sm¾ - sm¾ - sm¾	20/26	3
20732U	5	40	sm1 - sm1 - sm½	16/32	3
20735U	5	40	sm1 - sm1 - sm¾	20/32	3
20736U	5	40	sm1 - sm1 - sm¾	26/32	3

\*sm= safety-pol male sf= safety-pol female

**Description**



CLOSING CAP MALE, safety-pol, with PPSU; available in Ø1/2" (20mm)-1" (32mm)

Part #	□	◻	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
20902U	10	300	sm½	16	2
20906U	10	250	sm¾	20	2
20908U	5	200	sm¾	26	3
20910U	5	150	sm1	32	3

**Description**



CLOSING CAP FEMALE, safety-pol, with PPSU; available in Ø1/2" (20mm)-1" (32mm)

Part #	□	◻	Nominal Dia. (inches)	for fitting
				nom. dia. (inches)
20952U	10	500	½	½
20956U	10	500	¾	¾
20958U	5	300	¾	¾
20960U	5	200	1	1

**Description**



GLOBE VALVE w/CHROME PLATED COVER, safety-pol, built-in, screw closing; available in Ø1/2" (20mm)-3/4" (26mm)

Part #	□	◻	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21202U	1	30	sm½ - sm½	16	2
21206U	1	30	sm¾ - sm¾	20	2
21208U	1	30	sm¾ - sm¾	26	3

**Description**



GLOBE VALVE w/CHROME PLATED HANDLE, safety-pol, built-in, screw closing; available in Ø1/2" (20mm)-3/4" (26mm)

Part #	□	◻	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21232U	1	30	sm½ - sm½	16	2
21236U	1	30	sm¾ - sm¾	20	2
21238U	1	30	sm¾ - sm¾	26	3

\*sm= safety-pol male sf= safety-pol female

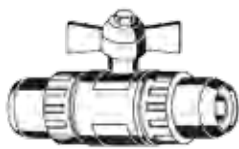
Description



**GLOBE VALVE w/ HANDWHEEL**, safety-pol, for outside handwheel auger; available in Ø1/2" (20mm)-3/4"(26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21262U	1	30	sm½ - sm½	16	2
21266U	1	30	sm¾ - sm¾	20	2
21268U	1	30	sm¾ - sm¾	26	3

Description



**BALL VALVE w/ BUTTERFLY HANDLE**, safety-pol, with lead-free alloy body and butterfly handle; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21282U	5	50	sm½ - sm½	16	2
21286U	5	50	sm¾ - sm¾	20	2
21288U	1	30	sm¾ - sm¾	26	3
21290U	1	30	sm1 - sm1	32	3

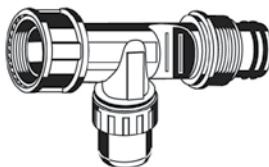
Description



**MODULAR MANIFOLD** safety-pol, free-laying and walled-in, PPSU; available in Ø1/2" (20mm)-3/4"(26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21302U	10	150	sm½ - ¾	16/20	2
21304U	5	80	sm½ - ¾	16/26	2/3
21307U	5	80	sm¾ - ¾	20/26	2/3

Description



**MODULAR MANIFOLD** safety-pol, free-laying and walled-in, PPSU; available in Ø1/2" (20mm)-3/4"(26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21782U	10	150	sm¾ - sm¾- sm ½	16/20	2

\*sm= safety-pol male sf= safety-pol female

**Description**



**MULTI-RAPID MANIFOLD w SHUT-OFF VALVE**,safety-pol, for domestic distribution, with shut-off valve; available in Ø1/2" (20mm)-1" (32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21312U	10	100	sm½ - ¾	16/20	2
21316U	5	80	sm½ - ¾	16/26	2/3
21322U	5	40	sm½ - 1	16/32	2/3
21326U	5	40	sm¾ - 1	26/32	2/3

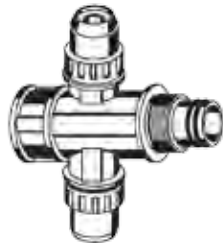
**Description**



**MULTI-RAPID MANIFOLD w SHUT-OFF VALVE**,safety-pol, for domestic distribution, with shut-off valve; available in Ø1/2" (20mm)-1" (32mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21342U	5	40	sm½ - 1	16/32	2/3
21346U	5	40	sm¾ - 1	20/32	2/3

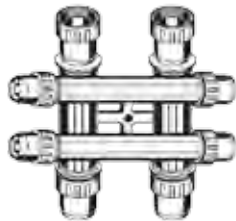
**Description**



**CROSS MANIFOLD**,safety-pol; available in Ø1/2" (20mm)-3/4" (26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21402U	10	120	sm½ - ¾	16/20	2
21406U	5	80	sm½ - ¾	16/26	2/3

**Description**

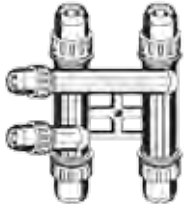


**CO-PLANER MANIFOLD**,safety-pol; available in Ø1/2" (20mm)-3/4" (26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
21658U	1	25	sm½ - ¾	16/26	2/3

\*sm= safety-pol male sf= safety-pol female

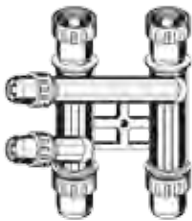
Description



DERIVATION MANIFOLD,safety-pol; available in Ø1/2" (20mm)-3/4"(26mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe		
				ext. dia. (mm)	wall thick. (mm)	
21685U	1	25	sm½ - sm¾	16/20	2	
21689U	1	25	sm½ - sm¾	16/26	2/3	

Description



DERIVATION MANIFOLD M/F,safety-pol; available in Ø1/2" (20mm)-5/8"(20mm)

Part #	□	⊞	Nominal Dia. (inches)	for pipe		
				ext. dia. (mm)	wall thick. (mm)	
21745U	1	25	sm½ - ¾	16/20	2	

Description



MANIFOLD BODY,safety-pol; available in Ø1/2" (20mm)-1"(32mm)

Part#	□	⊞	Nominal Dia. (inches)	for pipe		
				ext. dia. (mm)	wall thick. (mm)	
22312U	10	150	sm½ - ¾	16/20	2	
22316U	5	80	sm½ - ¾	16/26	2/3	
22322U	5	60	sm½ - 1	16/32	2/3	
22326U	5	60	sm¾ - 1	20/32	2/3	

Description



FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION, lead-free, for outlet socket fusion; available in Ø1/2" (20mm)-1"(32mm)

Part #	□	⊞	SDR	output Ø		for pipe		miller	
				inches	mm	inches	mm		
65170U	5	150	5	½	sm16	1 ½ ~ 10	50 ~ 250	50346	
65172U	5		5	¾	sm20	1 ½ ~ 10	50 ~ 250	50346	
65174U	5		5	¾	sm26	2 ~ 10	50 ~ 250	50348	

\*sm= safety-pol male sf= safety-pol female

**Description**



CAP, safety-pol, PA-M

Part #	□	⊞	Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
39102U	10	700	½	16	2
39106U	10	500	¾	20	2
39108U	10	300	¾	26	3
39110U	10	200	1	32	3

**Description**



BRASS CAP, lead-free, for safety manifold with O-ring

Part #	□	⊞	Dimensions
22876U	1	500	M ¾" for part # 22312, 22316
22902U	1	500	M ½" for part # 22322, 22326

**Description**



BRASS REDUCER CAP, lead-free, for safety manifold

Part #	□	⊞	Dimensions
22910U	1	-	M 1" - F ½" for part # 22336

**Description**



AUTOMATIC AIR VENT, automatic, lead-free, for safety manifold

Part #	□	⊞	Dimensions
92320U	1	100	M ¾"
92322U	1	100	M ½"

**Description**



MANUAL AIR VENT, manual, lead-free, for safety manifold

Part #	□	⊞	Dimensions
92330U			M ¾"
92332U			M ½"

\*sm= safety-pol male sf= safety-pol female

Description



BUTTERFLY HANDLE alloy, for ball valve

Part #			Dimensions
22850	1	-	for part # 21282, 21286
22852	1	-	for part # 21288, 21290

Description



SHUT-OFF VALVE for MANIFOLD, alloy, for multi-rapid manifold

Part #			Dimensions
22880	1	100	for part # 21312, 21316
22882	1	100	for part # 21322, 21326

Description



HANDWHEEL, for manifold shut-off valve

Part #			Dimensions
22854	1	-	for part # 22850, 22852

Description



AUGER, alloy

Part #			Dimensions
22890	1	-	for part # 21202, 21206
22892	1	-	for part # 21208

Description



HANDWHEEL, for manifold shut-off valve

Part #			Dimensions
40990	1	-	for part # 22890, 22892

Description



BRASS AUGER, alloy, for multi-rapid manifolds

Part #			Dimensions
22886	1	100	for part# 21342, 21346
22940	1	100	for part # 21266
22942	1	100	for part # 21268

\*sm= safety-pol male sf= safety-pol female

**Description**



**HANDLE**, alloy, for multi-rapid manifolds

Part #			Dimensions
40992	1	-	for part# 22886, 22940
40994	1	-	for part # 22942

**Description**



**HANDLE**, alloy, with chrome-plated closed-up

Part #			Dimensions
22920	1	-	for part # 21232, 21236, 21238

**Description**



**SHUT-OFF VALVE AUGER**, alloy, for shutt-off valve with handle

Part #			Dimensions
22930	5	-	for part # 21232, 21236
22932	5	-	for part # 21238

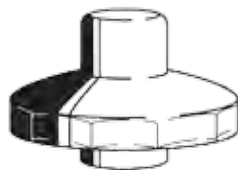
**Description**



**VALVE PLATE**, cold-warm indicator

Part #			Dimensions
22884	10	-	for part # 22880, 22882

**Description**



**CAP**, alloy, chrome-plated washer

Part #			Dimensions
40927	5	100	for part # 21202, 21206, 21208

**Description**



**EXTENSION** alloy, for shut-off valve, length 1,42 inches (36mm)

Part #			Dimensions
40931	5	400	total length 1 7/16"
			for part # 21202, 21206, 21208, 21232, 21236, 21238

\*sm= safety-pol male sf= safety-pol female



Description



EXTENSION alloy, for shut-off valve, length 1,42 inches (36mm)

Part #			Dimensions
40934	5	400	total length 1 3/4"
			for part # 21202, 21206, 21208, 21232, 21236, 21238

Description



O-RING,safety of peroxidic EPDM

Part #			Nominal Dia. (inches)	for fitting Nominal Dia. (inches)
39252	10	-	1/2	1/2
39256	10	-	3/8	3/8
39258	10	-	3/4	3/4
39260	10	-	1	1

Description



SPACER, plastic, for pipe and eccentric fitting distance 1.50 inches (38 mm)

Part #			Dimensions
39296	10	500	1/2
39300	10	300	3/8

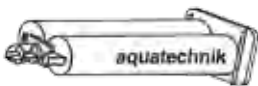
Description



LOCKING BRACKET for safety manifolds with collars and screws

Part #			Dimensions
73580	2	80	for safety manifold dia. 1/2"
73582	2	60	for safety manifold dia. 3/4"

Description



SEALENT,for safety-pol fittings

Part #			Dimensions
71380	1	50	1.7 oz

Description



MIXING NOZZLE,for sealent

Part #			Dimensions
71382	10	500	for part # 71380

\*sm= safety-pol male sf= safety-pol female

**Description**



DOSING PISTOL,for sealent

Part #			Dimensions
71384	1	-	for part # 71380

**Description**



GREASE,for O-ring

Part #			Dimensions
71391	1	80	1.8 oz

**Description**



CLIPS, brackets for pipe support

Part #			Dimensions
27042	50	2000	½"
27044	50	2000	¾"
27046	50	1000	¾"

**Description**



CLOSING CAP,for system testing

Part #			Dimensions
27048	10	500	¾"
27050	10	400	½"

**Description**



CLOSING CAP O-RING,for system testing

Part #			Dimensions
27052	10	-	¾"
27053	10	-	½"

**Description**



SPACER,plastic; adjustable

Part #			Dimensions
27056	5	100	extension from 3 1/8" to 9 7/16"

\*sm= safety-pol male sf= safety-pol female

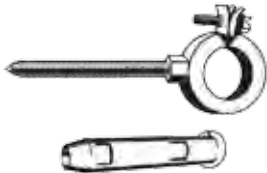
Description



FIXED PRE-BORED BRACKET, plastic

Part #			Dimensions
27058	5	250	for part # 20212U, 20216U

Description



RING CLAMPS, with rubber protection

Part #			Dimensions
27520	5	150	1/2"
27525	5	150	3/4"
27532	5	100	1"

Description



ELASTOMERIC ADAPTER for BBR 90, spare-part for mechanical expander

Part #			Nominal Dia. (inches)	for pipe	
				ext. dia. (mm)	wall thick. (mm)
50752	10	-	1/2	16	2
50754	10	-	5/8	20	2
50755	10	-	3/4	26	3
50756	10	-	1	32	3

Description



GREASE for CONICAL PIN, for BBR 90

Part #			Dimensions
50825	1	-	For BBR 90

Description



PROTECTION CAP for CONICAL PIN, for BBR 90

Part #			Dimensions
50770	1	-	For BBR 90

Description



PROTECTION MECHANICAL EXPANDER for CONICAL PIN, for BBR 90

Part #			Dimensions
50772	1	-	For BBR 90

\*sm= safety-pol male sf= safety-pol female

**Description**



**SPLITTING WRENCH**, to insert the elastomeric adapters form  $\varnothing$  1/2" to 1"

Part #			Dimensions
50830	1	-	<b>to insert the elastomeric adapter from dia. 1/2" to 1"</b>
			for part # 50752, 50754, 50755, 50756

**Description**



**WRENCH**, for locking safety-pol caps

Part #			Dimensions
50600	1	150	1/2" - 5/8"
50602	1	100	3/4" - 1"

**Description**



**BENDING MACHINE HTS 32**, for bending multi-color pipe

Part #			Dimensions
51150	1	-	from nominal dia. 1/2" - 1"

**Description**



**BENDING MACHINE HTS 32**, for bending multi-color pipe

Part #			Dimensions
51155	1	-	from nominal dia. 1/2" - 1"

**Description**



**TEMPLATE**, for HTS 32

Part #			Nominal diameter (inches)
51165	1	-	1/2
51175	1	-	3/8
51180	1	-	3/4
51185	1	-	1

\*sm= safety-pol male sf= safety-pol female

Description



COUNTER-TEMPLATE, for HTS 32

Part #			Nominal diameter (inches)
51200	1	-	½
51205	1	-	¾
51210	1	-	¾
51215	1	-	1

Description



SWAN-NECK MACHINE CPS 26, for multi-color pipe

Part #			Nominal diameter (inches)
51218	1	-	¾ - ¾

Description



SWAN-NECK TEMPLATE and COUNTER-TEMPLATE, for CPS 26

Part #			Nominal diameter (inches)
51225	1	-	¾
51230	1	-	¾

Description



PUNCH MC 1420, for correcting deformed (ovaled) pipe

Part #			Nominal diameter (inches)
51240	1	-	½"

\*sm= safety-pol male sf= safety-pol female





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