

MANUFACTURERS • DISTRIBUTORS • IMPORTERS



Global Water Group

PE Pipe, Fitting and Valve Specialists

Civil • Government • Construction • Industrial

Civil • Industrial • Construction • Mining

Agriculture • Aquaculture • Grazier



AUGUST 2021



MESSAGE FROM DARREN WERDA, COMPANY DIRECTOR

Our company quality management system (QMS) is based on the principles of customer focused, leadership, engagement of people, effective processes, continual improvement, effective decision-making and good relationship with customers and stakeholders.

By having a quality management process GWG can ensure that the company:

- ◆ Consistently provides products and services that meet our customers requirements and applicable statutory and regulatory requirements.
- ◆ Facilitates opportunities to enhance customer satisfaction and quality performance.
- ◆ Addresses risks and opportunities associated with the companies context and objectives.
- ◆ Ensures that quality processes are resourced and managed and that the opportunities for improvement are determined and acted upon.
- ◆ Demonstrates conformity to specified quality management systems required.

GWG Global Water Group are proud to provide Australian Standards Approved & Water Marked products. We record all batch numbers to ensure we can provide Material Data Records (MDR) on where the raw material has been sourced and how the product was manufactured ensuring certificates of compliance and or inspection and test reports are available.

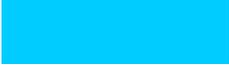


GWG GLOBAL WATER GROUP

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*The information contained in this **catalogue** is for general guidance only. You should neither act, nor refrain from action, on the basis of any such information. You should take appropriate professional advice on your particular circumstances because the application of our equipment may vary depending on particular circumstances.*

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OUR COMPANY

WHO IS GWG?

Originally GWG was Centrally located in Townsville, North Queensland, but recently have opened a large facility in Brisbane .

GWG Valves & Poly Fittings has a permanently stocked warehouse, a fabrication facility fully supported by a team of highly experienced and qualified personnel.



For more than 37years, GWG (formerly Greens Water Group) has been servicing clients throughout Queensland, and nationally with our innovative product range earning a reputation for providing tailored solutions that reduce costs without compromising quality or delivery.

GWG Valves and Poly Fittings carry an extensive range of polyethylene fittings and pipe suitable for butt welding, Electrofusion, Compression and BSP with sizes ranging from 25mm to 630mm but not limited to these sizes.

GWG has been supplying to the agricultural, aquaculture, farming, civil, mining, government and construction industries for over three decades; offering a diverse range of products using only the highest quality materials. Our products are all made to the Australian/NZ standards and MDR's can be supplied for clients.

GWG's expertise, experience, partnerships and our dedicated team enables us to confidently provide reliable products and customised solutions for our valued clients.



OUR SERVICES

Customised Solutions

- ⇒ Right Product for the Right Application
- ⇒ Supply of Pipe, Fittings and Valves
- ⇒ Complete range of Electrofusion fittings
- ⇒ PE Pipe, PVC, PP and stormwater Pipe
- ⇒ Valves, Tapping Saddles, Check Valves
- ⇒ Pipeline Construction & Repair Products
- ⇒ PE Fabricated Products, Floats and Pontoons
- ⇒ 316 Stainless Steel flanges and fittings
- ⇒ Galvanised & Stainless Steel Flanges
- ⇒ Sewerage Pipes, Fittings and Products
- ⇒ Electrofusion and Butt Welding equipment
- ⇒ Agriculture and Aquaculture Solutions
- ⇒ Best purchasing price first time
- ⇒ Valuable advise and expertise
- ⇒ Fast and accurate dispatch of goods
- ⇒ Delivered on time

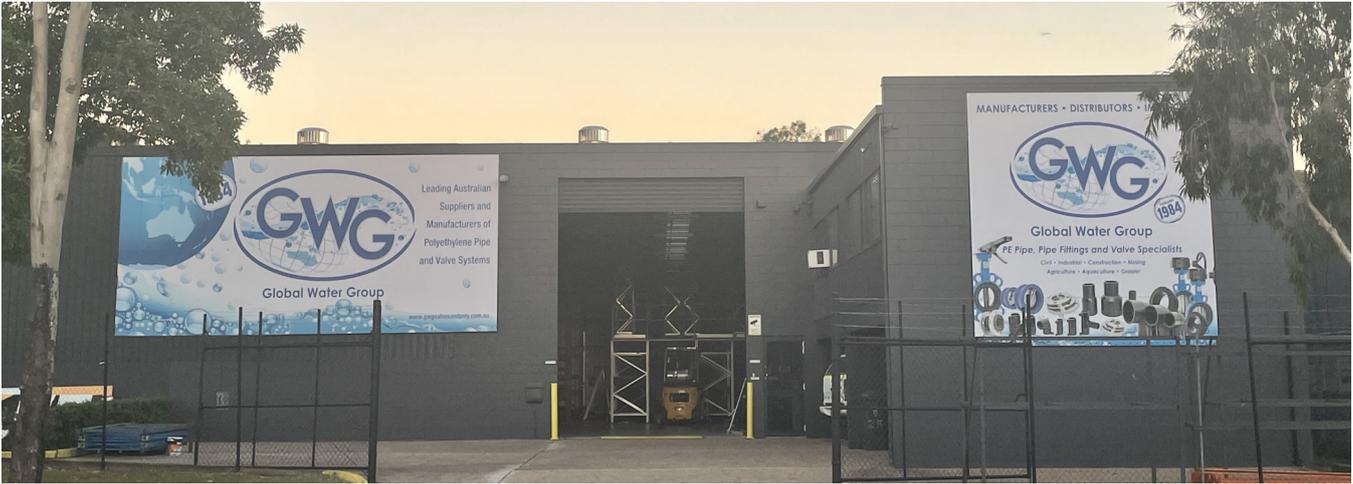


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THE GWG DIFFERENCE

More than 37 Years' Experience in the Water Movement Industry

We believe that our continual ongoing attention to quality has been a true factor in the growth of our business, as well as committed to meeting our customer's expectations and requirements with reliable quality product and service.

- ⇒ Tailored design and fabrication to meet technical specifications
- ⇒ Only the highest quality materials, Rigorous quality testing and check, from production to delivery
- ⇒ State of the art equipment operated by highly skilled and certified teams
- ⇒ An extensive range of products available to be transported anywhere in Australia enabling fast turnaround and tight delivery time frames to be meet
- ⇒ A commitment to quality, with all manufacturing to Australian/NZ and International standards
- ⇒ A commitment to exceptional service and continuous improvement

OUR PRODUCTS

A One - Stop Shop

From design, sourcing manufacturing and assembly through to packing, distributing and delivery, the GWG point of difference is QUALITY

- ⇒ **POLYETHYLENE FITTINGS, PVC & POLYPROPYLENE**
Butt Weld, Electrofusion, Compression & BSP Fittings, SDR17 ,SDR 11 and SDR9 in sizes 20mm-1200mm
- ⇒ **VALVES**
Butterfly Valves, Check Valves, Gate Valves, Universal Couplings, Rubber Expansion Joints, Stainless Steel Repair Clamps, Ball Valves, Fire Valves and Hydrants, Tapping Saddles
- ⇒ **PIPE: PE, PVC, PP, STORMWATER**
SDR 17 and SDR 11 Pipe 15mm - 800mm
- ⇒ **PIPELINE FITTINGS**
Bolt and Gasket Kits, Backing Rings both Galv & SS
Gibaults, Joiners, Stainless Steel Fittings & Gal Mal Fittings
- ⇒ **FITTINGS AND COMPONENTS**
Electrofusion, Metric & Rural Compressions Fittings,
Underground Marking Tapes, Flow Meters, Hoses &
Hose Fittings, Threaded Poly Fittings, Ductile Iron Fittings
- ⇒ **MACHINERY AND TOOLING EQUIPMENT**
Electrofusion Machinery and Tooling Equipment
Pipe and Fitting Butt Welding Equipment
Pipe Cutting and Scraping Tools



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PIPE FITTINGS



A complete range of Long spigot and Short spigot fittings for all pressure applications sizes from 20mm to 1200mm suitable for butt and electrofusion welding and available in a range of SDR /PN pressure ratings



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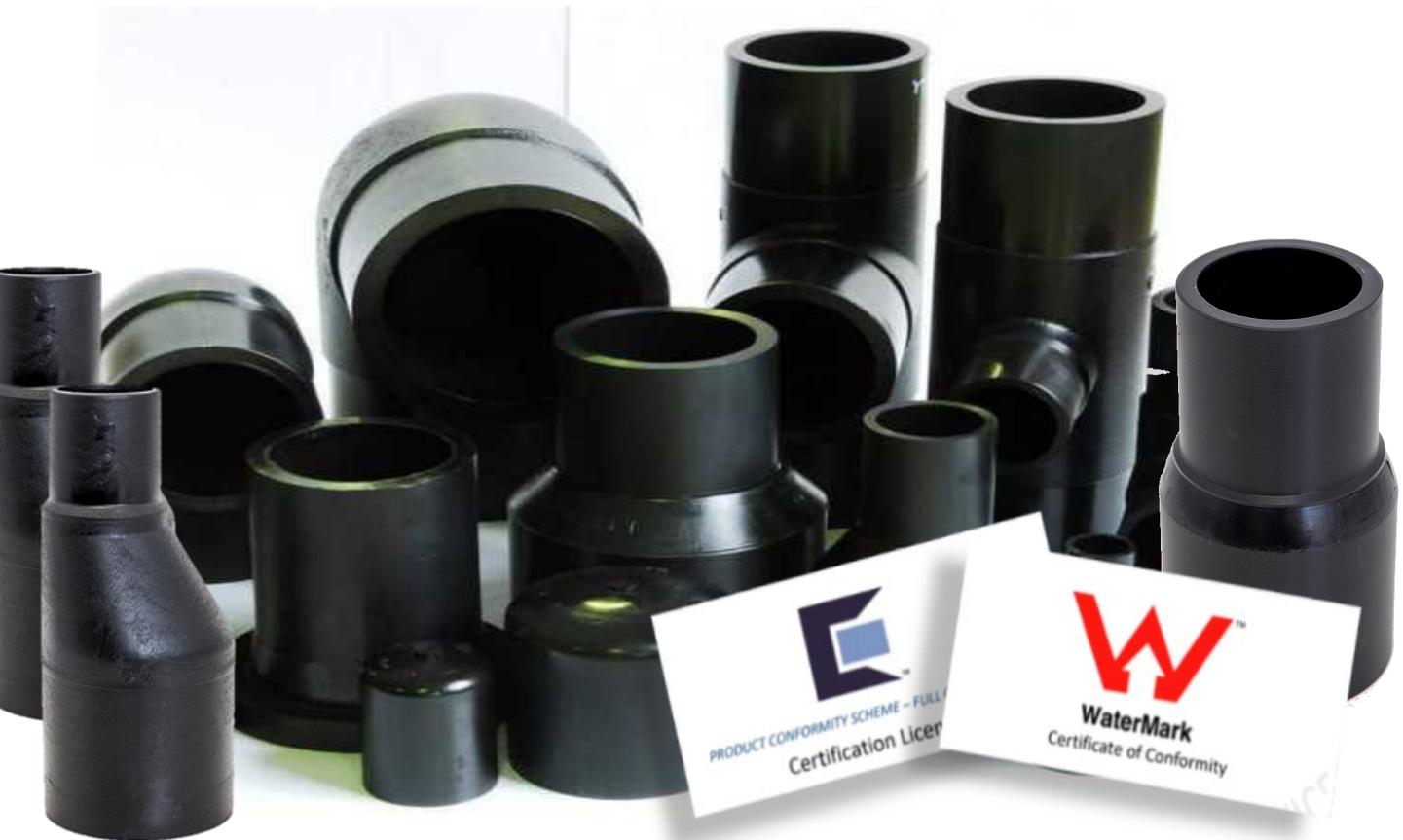
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QUALITY PE100 PIPE FITTINGS



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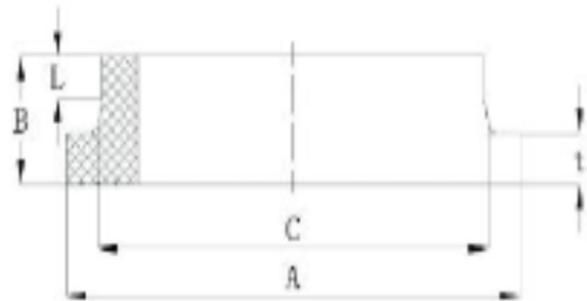


SHORT STUB FLANGE

PIPE FITTINGS

STUB FLANGE SHORT SDR17

Size (mm)	Code SDR17	B	L	T	A	C
90	SF17090	60	22	20	128	103
110	SF17110	60	22	20	160	124
125	SF17125	65	23	25	192	128
160	SF17160	65	23	25	212	164
180	SF17180	65	36	25	217	180
200	SF17200	75	23.50	30	270	200
225	SF17225	80	50	30	270	230
250	SF17250	80	23	32	334	276.40
280	SF17280	85	25.33	35	334	290
315	SF17315	90	28.84	40	380	330
355	SF17355	100	30.44	40	444	364.20
400	SF17400	100	27.08	40	495	417.40
450	SF17450	110	30	50	545	470
500	SF17500	125	30	60	596	520
560	SF17560	130	30	60	657	582
630	SF17630	130	30	60	710	640
710	SF17710	130	30	60	800	735
800	SF17800	130	30	60	915	825
900	SF17900	170	92	75	1050	916
1000	SF171000	183	30	113	1105	1052



STUB FLANGE SHORT SDR11

Size (mm)	Code SDR11	B	L	T	A	C
90	SF11090	60	22	20	128	103
110	SF11110	60	22	20	160	124
125	SF11125	65	37	25	192	128
160	SF11160	65	23	23	212	164
180	SF11180	65	37	25	217	180
200	SF11200	75	23.50	30	270	225
225	SF11225	80	45	30	270	230
250	SF11250	80	24.15	35	334	276.40
280	SF11280	85	25.33	35	334	290
315	SF11315	90	28.84	40	380	330
355	SF11355	100	30.44	40	444	364.20
400	SF11400	100	27.08	40	495	417.40
450	SF11450	110	30	60	545	470
500	SF11500	125	30	60	596	520
560	SF11560	130	30	60	657	582
630	SF11630	130	30	60	710	640
710	SF11710	130	30	60	800	735
800	SF11800	130	30	60	915	823
900	SF11900	170	23	93	1000	944
1000	SF111000	183	30	113	1105	1052

STUB FLANGE SHORT SDR9

Size (mm)	Code SDR9	B	L	T	A	C
90	SF09090	60	22	20	128	103
110	SF09110	60	22	20	160	124
125	SF09125	65	23	25	192	128
160	SF09160	65	23	25	212	168
180	SF09180	65	23	25	212	180
200	SF09200	75	23.50	30	270	225
225	SF09225	80	24	30	270	230
250	SF09250	80	24.15	35	334	276.40
280	SF09280	85	25.33	35	334	290
315	SF09315	90	28.84	40	380	330
355	SF09355	100	30.44	40	444	364.20
400	SF09400	100	27.08	40	495	417.40
450	SF09450	110	30	46	545	470
500	SF09500	125	30	60	596	520
560	SF09560	130	30	60	657	582
630	SF09630	130	30	60	710	640

Please Note:

Care should be taken when connecting wafer style butterfly valves with stub flanges. On some valves the mouth of the stub must be machined out slightly to allow full rotation of the butterfly plate when fully assembled. Where excessive material must be removed polyethylene tapered spacers must be used between the stub flange and the valve body.



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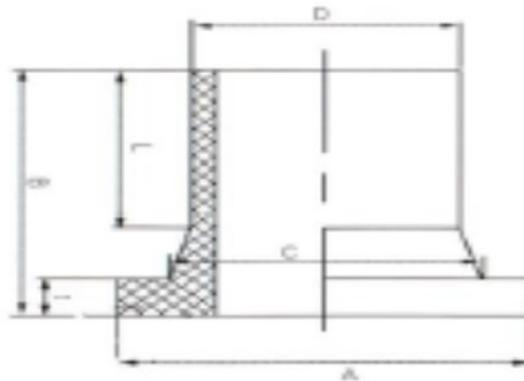
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PIPE FITTINGS

LONG STUB FLANGE

STUB FLANGE LONG SDR17

Size (mm)	Code SDR17	B	L	T	A	C
90	SFL17090	121	83	20	128	103
110	SFL17110	126	88	20	160	124
125	SFL17125	137	112	25	192	128
160	SFL17160	147	105	25	212	168
180	SFL17180	167	142	25	217	180
200	SFL17200	175	123	30	270	225
225	SFL17225	179	149	30	270	230
250	SFL17250	186	128	35	334	277
280	SFL17280	200	140	35	334	290
315	SFL17315	197	135	40	380	330
355	SFL17355	215	145	40	444	364
400	SFL17400	243	170	40	495	417
450	SFL17450	280	200	60	550	475
500	SFL17500	310	215	60	596	520
560	SFL17560	330	230	60	657	582
630	SFL17630	350	250	60	710	640
710	SFL17710	355	255	60	800	735
800	SFL17800	360	260	60	920	825



STUB FLANGE LONG SDR11

Size (mm)	Code SDR11	B	L	T	A	C
40	SFL11040	78	50	12	78	50
50	SFL11050	88	56	14	94	60
63	SFL11063	91	58	12	102	75
75	SFL11075	98	65	12	122	89
90	SFL11090	121	83	20	128	103
110	SFL11110	126	88	20	160	124
125	SFL11125	137	112	25	192	128
160	SFL11160	147	105	25	212	166
180	SFL11180	167	142	25	217	180
200	SFL11200	175	123	30	270	225
225	SFL11225	179	148	30	270	230
250	SFL11250	186	128	35	334	277
280	SFL11280	200	140	35	334	290
315	SFL11315	197	135	40	380	330
355	SFL11355	215	145	40	444	364
400	SFL11400	243	170	40	495	417
450	SFL11450	280	200	60	545	470
500	SFL11500	310	215	60	596	520
560	SFL11560	330	230	60	657	582
630	SFL11630	350	250	60	710	640
710	SFL11710	355	255	60	800	735

STUB FLANGE LONG SDR9

Size (mm)	Code SDR9	B	L	T	A	C
90	SFL09090	121	83	20	128	103
110	SFL09110	126	88	20	160	124
125	SFL09125	137	95	25	192	128
160	SFL09160	147	105	25	217	168
180	SFL09180	167	125	25	217	180
200	SFL09200	175	123	30	270	225
225	SFL11225	179	123	30	270	230
250	SFL11250	184	128	35	334	277
280	SFL09280	200	140	35	334	290
315	SFL09315	196	135	40	380	330
355	SFL09355	215	145	40	444	364
400	SFL09400	243	170	40	495	417
450	SFL09450	280	200	60	545	470
500	SFL09500	310	215	60	596	520
560	SFL09560	330	230	60	657	582
630	SFL09630	350	250	60	710	640

**Please Note:**

Chamfered stubs available by phone enquiry. Please call our team or email sales@gwgpoly.com.au

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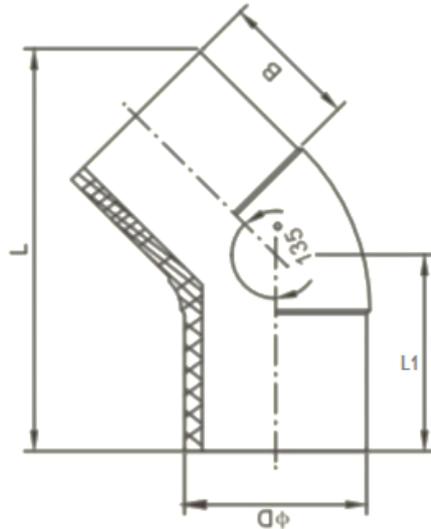


ELBOWS 45 DEGREE

PIPE FITTINGS

45 DEGREE LONG SPIGOT ELBOW SDR17

Size (mm)	Code SDR17	L1	L
40	ELS4517040	49	99
50	ELS4517050	54	104
63	ELS4517063	61	122
75	ELS4517075	69	142
90	ELS4517090	76	167
110	ELS4517110	82	183
125	ELS4517125	85	200
140	ELS4517140	96	230
160	ELS4517160	100	300
180	ELS4517180	110	315
200	ELS4517200	114	359
225	ELS4517225	124	399
250	ELS4517250	132	350
280	ELS4517280	140	404
315	ELS4517315	160	515
355	ELS4517355	145	486
400	ELS4517400	-	-
450	ELS4517450	-	-
500	ELS4517500	-	-
560	ELS4517560	135	640
630	ELS4517630	-	-



45 DEGREE LONG SPIGOT ELBOW SDR11

Size (mm)	Code SDR11	L1	L
40	ELS4511040	49	99
50	ELS4511050	54	104
63	ELS4511063	61	175
75	ELS4511075	69	205
90	ELS4511090	78	230
110	ELS4511110	82	240
125	ELS4511125	90	285
140	ELS4511140	96	300
160	ELS4511160	99	310
180	ELS4511180	108	355
200	ELS4511200	134	435
225	ELS4511225	124	380
250	ELS4511250	132	440
280	ELS4511280	135	505
315	ELS4511315	150	520
355	ELS4511355	165	550
400	ELS4511400	135	565
450	ELS4511450	-	-
500	ELS4511500	-	-
560	ELS4511560	140	645
630	ELS4511630	-	-

45 DEGREE LONG SPIGOT ELBOW SDR9

Size (mm)	Code SDR9	L1	L
90	ELS4509090	-	-
110	ELS4509110	-	-
160	ELS4509160	-	-
225	ELS4509225	-	-
315	ELS4509315	-	-

- Denotes to be confirmed at time of purchase



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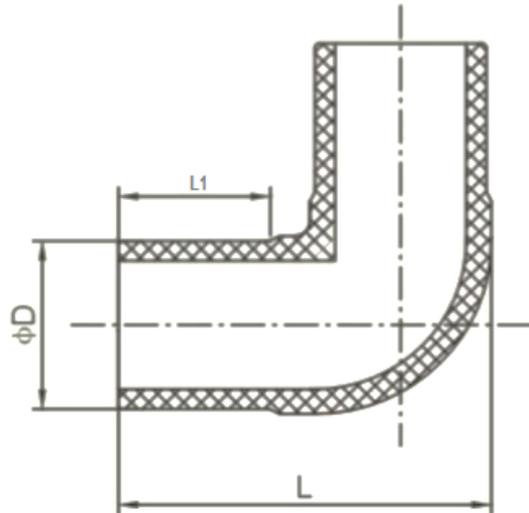
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PIPE FITTINGS

ELBOWS 90 DEGREE

90 DEGREE LONG SPIGOT ELBOW SDR17

Size (mm)	Code SDR17	L1	L
40	ELS9017040	50	108
50	ELS9017050	56	125
63	ELS9011063	64	147
75	ELS9011075	71	160
90	ELS9011090	81	178
110	ELS9011110	82	201
125	ELS9011125	88	226
140	ELS9011140	95	250
160	ELS9011160	99	272
180	ELS9011180	108	315
200	ELS9011200	113	330
225	ELS9011225	124	360
250	ELS9011250	130	380
280	ELS9011280	140	450
315	ELS9011315	154	498
355	ELS9011355	135	535
400	ELS9011400	182	583
450	ELS9011450	-	-
500	ELS9011500	-	-
560	ELS9011560	135	710
630	ELS9011630	-	-



90 DEGREE LONG SPIGOT ELBOW SDR11

Size (mm)	Code SDR11	L1	L
40	ELS9011040	50	108
50	ELS9011050	56	125
63	ELS9011063	64	147
75	ELS9011075	71	160
90	ELS9011090	81	178
110	ELS9011110	82	201
125	ELS9011125	88	226
140	ELS9011140	95	250
160	ELS9011160	99	272
180	ELS9011180	106	310
200	ELS9011200	113	330
225	ELS9011225	124	360
250	ELS9011250	130	380
280	ELS9011280	140	450
315	ELS9011315	154	498
355	ELS9011355	134	554
400	ELS9011400	182	583
450	ELS9011450	-	-
500	ELS9011500	125	680
560	ELS9011560	135	715
630	ELS9011630	-	-

90 DEGREE LONG SPIGOT ELBOW SDR9

Size (mm)	Code SDR9	L1	L
90	ELS9009090	-	-
110	ELS9009110	-	-
160	ELS9009160	-	-
225	ELS9009225	-	-
315	ELS9009315	-	-

- Denotes to be confirmed at time of purchase



GWG WELDING WIPES
Electrofusion & Butt Welding
90% v/v Isopropyl

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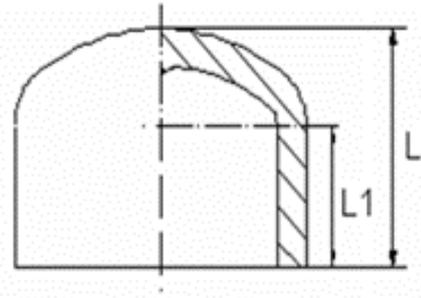
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END CAP

PIPE FITTINGS



END CAPS SDR17

Size (mm)	Code SDR17	L1	L	W (KG)
63	ECLS17063	54	67	0.07
75	ECLS17075	54	72	0.11
90	ECLS17090	70	87	0.19
110	ECLS17110	78	99	0.29
125	ECLS17125	80	110	0.45
140	ECLS17140	100	120	0.61
160	ECLS17160	94	125	0.64
180	ECLS17180	107	146	1.00
200	ECLS17200	120	155	1.10
225	ECLS17225	106	145	2.02
250	ECLS17250	100	130	2.58
280	ECLS17280	103	138	3.11
315	ECLS17315	105	145	3.20
355	ECLS17355	102	145	6.10
400	EC17400	180	235	8.70
450	EC17450	75	160	8.80
500	EC17500	90	165	11.00
560	EC17560	60	130	13.00
630	EC17630	80	150	17.30
800	EC17800	80	160	36.30
1000	EC171000	59	200	54.60

END CAPS SDR11

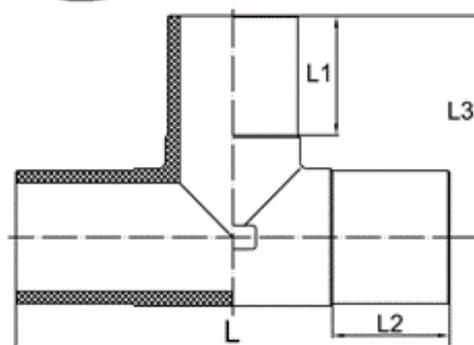
Size (mm)	Code SDR11	L1	L	W (KG)
20	ECLS11020	28	35	0.01
25	ECLS11025	40	45	0.01
32	ECLS11032	40	45	0.01
40	ECLS11040	50	55	0.03
50	ECLS11050	54	63	0.04
63	ECLS11063	54	67	0.08
75	ECLS11075	54	72	0.11
90	ECLS11090	70	87	0.22
110	ECLS11110	80	100	0.33
125	ECLS11125	85	115	0.50
140	ECLS11140	100	130	0.67
160	ECLS11160	94	125	1.00
180	ECLS11180	107	145	1.33
200	ECLS11200	100	130	1.48
225	ECLS11225	106	145	2.18
250	ECLS11250	102	135	2.77
280	ECLS11280	110	160	3.88
315	ECLS11315	105	142	4.64
355	ECLS11355	165	190	8.01
400	EC11400	50	160	9.00
450	EC11450	55	160	11.00
500	EC11500	55	150	14.00
560	EC11560	70	160	18.00
630	EC11630	65	160	24.00
710	EC11710	-	-	-
800	EC11800	47	180	50.00

- Denotes to be confirmed at time of purchase



EQUAL TEE SDR17

Size (mm)	Code SDR17	L1	L2	L3	L
63	TLS17063	64	64	114	221
75	TLS17075	78	72	112	222
90	TLS17090	71	70	135	262
110	TLS17110	83	83	149	290
125	TLS17125	84	84	160	325
140	TLS17140	90	90	180	335
160	TLS17160	100	100	191	350
180	TLS17180	95	100	200	400
200	TLS17200	112	112	216	449
225	TLS17225	126	126	259	507
250	TLS17250	130	130	249	477
280	TLS17280	110	110	259	490
315*	TLS17315	98	78	272	497
355	TLS17355	174	174	374	403
400	TLS17400	80	80	344	595
450	TLS17450	-	-	-	-
500	TLS17500	137	137	430	850
560	TLS17560	-	-	-	-
630	TLS17630	-	-	-	-



EQUAL TEE SDR11

Size (mm)	Code SDR11	L1	L2	L3	L
40	TLS11040	49	49	87	168
50	TLS11050	54	55	99	200
63	TLS11063	64	64	114	225
75	TLS11075	70	72	130	264
90	TLS11090	80	80	135	280
110	TLS11110	85	85	149	305
125	TLS11125	84	84	160	335
140	TLS11140	95	90	190	382
160	TLS11160	100	100	202	385
180	TLS11180	107	107	173	455
200	TLS11200	95	110	223	465
225	TLS11225	120	120	250	525
250	TLS11250	130	130	249	477
280	TLS11280	135	135	312	620
315*	TLS11315	85	85	275	540
355	TLS11355	174	174	374	403
400	TLS11400	80	80	344	595
450	TLS11450	130	155	380	820
500	TLS11500	137	137	415	854
560	TLS11560	203	166	495	930
630	TLS11630	137	137	450	1105

EQUAL TEE SDR9

Size (mm)	Code SDR11	L1	L2	L3	L
90	TLS09090	-	-	-	-
110	TLS09110	-	-	-	-
160	TLS09160	-	-	-	-
225	TLS09225	-	-	-	-
315	TLS09315	-	-	-	-

- Denotes to be confirmed at time of purchase

GWG WELDING WIPES

These specialised moist wipes are impregnated with a high specification solution containing 90% V/V Isopropyl Alcohol.

Ensure surfaces are clean before butt or electrofusion jointing (scraping of pipe surface is still required).
75 sheets per canister



*NOT SUITABLE FOR ELECTROFUSION COUPLINGS

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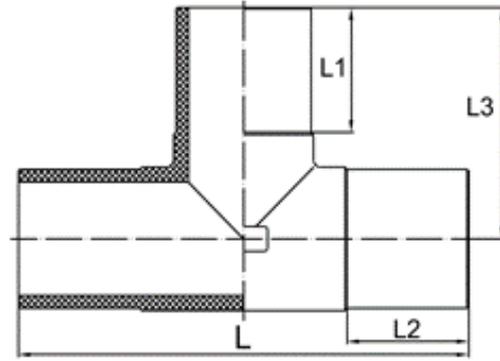
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REDUCING TEES

PIPE FITTINGS



REDUCING TEE SDR17

Size (mm)	Code SDR17	L1	L2	L3	L
63 32	TRLS17063032	54	54	92	177
63 40	TRLS17063040	52	56	89	180
63 50	TRLS17063050	63	63	115	220
75 40	TRLS17075040	67	70	107	213
75 50	TRLS17075050	78	72	112	222
75 63	TRLS17075063	74	69	109	220
90 40	TRLS17090040	59	70	118	227
90 50	TRLS17090050	65	71	121	229
90 63	TRLS17090063	69	72	121	230
90 75	TRLS17090075	71	80	139	286
110 40	TRLS17110040	59	77	132	243
110 50	TRLS17110050	64	79	135	245
110 63	TRLS17110063	70	79	132	243
110 75	TRLS17110075	77	80	154	290
110 90	TRLS17110090	77	80	154	290
125 90	TRLS17125090	60	80	155	250
125 110	TRLS17125110	60	80	155	250
140 110	TRLS17140110	60	80	160	260
160 63	TRLS17160063	57	84	157	271
160 75	TRLS17160075	57	84	157	271
160 90	TRLS17160090	83	87	179	329
160 110	TRLS17160110	82	87	178	328
160 125	TRLS17160125	82	87	178	328
180 110	TRLS17180110	84	87	185	388
180 160	TRLS17180160	84	87	185	388
200 63	TRLS17200063	84	102	209	436
200 90	TRLS17200090	80	112	202	330
200 110	TRLS17200110	80	112	201	330
200 160	TRLS17200160	97	119	226	413

Size (mm)	Code SDR17	L1	L2	L3	L
225 110	TRLS17225110	100	121	241	458
225 160	TRLS17225160	100	121	241	458
250 90	TRLS17250090	100	121	241	458
250 110	TRLS17250110	82	129	225	386
250 160	TRLS17250160	82	129	225	386
315 90	TRLS17315090	104	154	274	576
315 110	TRLS17315110	104	154	274	576
315 160	TRLS17315160	104	154	274	576
315 200	TRLS17315200	112	148	283	550
315 250	TRLS17315250	98	149	270	567
355 110	TRLS17355110	-	-	-	-
355 160	TRLS17355160	-	-	-	-
355 200	TRLS17355200	100	150	280	600
355 250	TRLS17355250	166	165	367	625
355 315	TRLS17355315	-	-	-	-
400 200	TRLS17400200	140	173	374	590
400 250	TRLS17400250	137	153	361	560
400 315	TRLS17400315	34	143	368	595
450 200	TRLS17450200	-	-	-	-
450 315	TRLS17450315	-	-	-	-
500 160	TRLS17500160	-	-	-	-
500 200	TRLS17500200	-	-	-	-
500 250	TRLS17500250	-	-	-	-
500 315	TRLS17500315	-	-	-	-
500 355	TRLS17500355	-	-	-	-
560 200	TRLS17560200	-	-	-	-
560 315	TRLS17560315	-	-	-	-
630 200	TRLS17630200	-	-	-	-
630 250	TRLS17630250	-	-	-	-
630 315	TRLS17630315	-	-	-	-



PIPE FITTINGS

REDUCING TEES

REDUCING TEE SDR11

Size (mm)	Code SDR17	L1	L2	L3	L
50 40	TRLS11050040	51	55	84	176
63 32	TRLS11063032	54	54	92	177
63 40	TRLS11063040	52	56	89	180
63 50	TRLS11063050	63	63	115	220
75 40	TRLS11075040	67	70	107	213
75 50	TRLS11075050	78	72	112	222
75 63	TRLS11075063	74	69	109	220
90 40	TRLS11090040	59	70	118	227
90 50	TRLS11090050	65	71	121	229
90 63	TRLS11090063	69	72	121	230
90 75	TRLS11090075	71	80	139	286
110 40	TRLS11110040	59	77	132	243
110 50	TRLS11110050	64	79	135	245
110 63	TRLS11110063	70	79	132	243
110 75	TRLS11110075	77	80	154	290
110 90	TRLS11110090	77	80	154	290
125 90	TRLS11125090	60	80	155	250
125 110	TRLS11125110	60	80	155	250
140 110	TRLS11140110	60	80	160	260
160 63	TRLS11160063	57	84	157	271
160 75	TRLS11160075	57	84	157	271
160 90	TRLS11160090	83	87	179	329
160 110	TRLS11160110	82	87	178	328
160 125	TRLS11160125	82	87	178	328
180 110	TRLS11180110	84	87	185	388
180 160	TRLS11180160	84	87	185	388
200 63	TRLS11200063	84	102	209	436
200 90	TRLS11200090	80	112	202	330
200 110	TRLS11200110	80	112	201	330
200 160	TRLS11200160	97	119	226	413
225 110	TRLS11225110	100	121	241	458
225 160	TRLS11225160	100	121	241	458

Size (mm)	Code SDR17	L1	L2	L3	L
250 90	TRLS11250090	100	121	241	458
250 110	TRLS11250110	82	129	225	386
250 160	TRLS11250160	82	129	225	386
280 110	TRLS11280110	-	-	-	-
280 160	TRLS11280160	-	-	-	-
280 200	TRLS11280200	-	-	-	-
280 250	TRLS11280250	-	-	-	-
315 90	TRLS11315090	-	-	-	-
315 110	TRLS11315110	-	-	-	-
315 160	TRLS11315160	-	-	-	-
315 200	TRLS11315200	-	-	-	-
315 250	TRLS11315250	-	-	-	-
355 110	TRLS11355110	-	-	-	-
355 160	TRLS11355160	-	-	-	-
355 200	TRLS11355200	-	-	-	-
355 250	TRLS11355250	-	-	-	-
355 315	TRLS11355315	-	-	-	-
400 200	TRLS11400200	-	-	-	-
400 250	TRLS11400250	-	-	-	-
400 315	TRLS11400315	-	-	-	-
450 200	TRLS11450200	-	-	-	-
450 315	TRLS11450315	-	-	-	-
500 160	TRLS11500160	-	-	-	-
500 200	TRLS11500200	-	-	-	-
500 250	TRLS11500250	-	-	-	-
500 315	TRLS11500315	-	-	-	-
500 355	TRLS11500355	-	-	-	-
560 200	TRLS11560200	-	-	-	-
560 315	TRLS11560315	-	-	-	-
630 200	TRLS11630200	-	-	-	-
630 250	TRLS11630250	-	-	-	-
630 315	TRLS11630315	-	-	-	-
630 400	TRLS11630400	-	-	-	-

- Denotes to be confirmed at time of purchase

REDUCING TEE SDR9

Size (mm)	Code SDR9	L1	L2	L3	L
160 110	TRLS09160110	-	-	-	-
225 160	TRLS09225160	-	-	-	-
315 110	TRLS09315110	-	-	-	-
315 160	TRLS09315160	-	-	-	-



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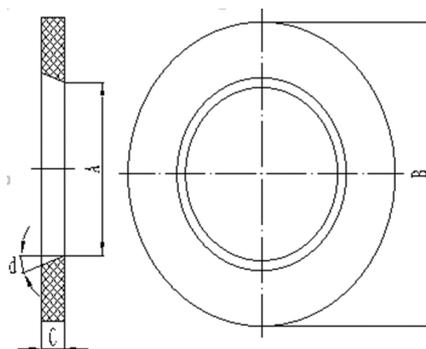
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VALVE SPACER & CONCENTRIC REDUCER SHORT

PIPE FITTINGS



VALVE SPACER SDR17

Size (mm)	Code SDR17	A	B	C	D
125	VS17125	100	192	25	20
160	VS17160	141	213	25	20
200	VS17200	176	270	25	30
250	VS17250	220	334	30	30
280	VS17280	246	334	30	20
315	VS17315	277	380	30	30
355	VS17355	312	444	40	30
400	VS17400	352	495	40	30
450	VS17450	396	545	60	30
500	VS17500	440	602	50	25

VALVE SPACER SDR11

Size (mm)	Code SDR11	A	B	C	D
110	VS11110	90	158	14	20
125	VS11125	102	158	25	25
140	VS11140	115	190	25	20
160	VS11160	130.80	212	25	25
200	VS11200	163.60	268	40	30
225	VS11225	184	268	25	25
250	VS11250	203	334	50	30
280	VS11280	228	334	30	30
315	VS11315	257.80	384	60	30
355	VS11355	290.60	430	60	30
400	VS11400	327.40	482	80	30
450	VS11450	368.20	545	100	25
500	VS11500	409.20	585	100	25
630	VS11630	513	708	100	20

CONCENTRIC REDUCER SHORT SPIGOT SDR17

Size (mm)	Code SDR17	L	L1	L2
400 315	RC17400315	100	10	45
400 355	RC17400355	70	10	50
450 355	RC17450355	80	10	45
450 400	RC17450400	110	25	50
500 400	RC17500400	185	25	55
500 450	RC17500450	115	25	50
560 400	RC17560400	255	30	55
560 450	RC17560450	190	25	55
560 500	RC17560500	115	30	55
630 400	RC17630400	320	20	40
630 450	RC17630450	255	25	40

Size (mm)	Code SDR17	L	L1	L2
630 500	RC17630500	105	35	35
630 560	RC17630560	110	30	40
710 630	RC17710630	140	40	65
800 630	RC17800630	221	47	49
800 710	RC17800710	125	40	54
900 800	RC17900800	139	47	65
1000 800	RC171000800	215	50	55
1000 900	RC171000900	137	40	55
1200 800	RC171200800	100	30	290
1200 900	RC171200900	100	30	260
1200 1000	RC1712001000	95	30	195



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CONCENTRIC REDUCER SHORT SPIGOT SDR11

Size (mm)	Code SDR11	L	L1	L2	Size (mm)	Code SDR11	L	L1	L2
125 75	RC11125075	65	30	20	500 250	RC11500250	130	10	48
125 90	RC11125090	60	30	20	500 280	RC11500280	120	10	48
140 90	RC11140090	65	30	20	500 315	RC11500315	110	10	45
140 110	RC11140110	60	30	20	500 355	RC11500355	95	10	45
140 125	RC11140125	55	30	20	500 400	RC11500400	80	10	45
160 140	RC11160140	58	30	20	500 450	RC11500450	65	10	45
180 110	RC11180110	70	30	20	560 280	RC11560280	160	15	60
180 125	RC11180125	65	30	20	560 315	RC11560315	145	20	60
180 140	RC11180140	62	30	20	560 355	RC11560355	130	20	60
180 160	RC11180160	58	30	20	560 400	RC11560400	115	20	60
315 280	RC11315280	60	20	30	560 450	RC11560450	90	20	55
355 225	RC11355225	70	20	25	560 500	RC11560500	80	10	55
355 280	RC11355280	-	-	-	630 280	RC11630280	160	15	60
355 315	RC11355315	50	10	30	630 315	RC11630315	150	20	60
400 160	RC11400160	160	10	50	630 355	RC11630355	140	20	60
400 180	RC11400180	150	10	50	630 400	RC11630450	125	20	60
400 200	RC11400200	140	10	50	630 450	RC11630450	110	20	60
400 225	RC11400225	125	10	45	630 500	RC11630500	90	10	60
400 250	RC11400250	115	10	45	630 560	RC11630560	80	10	60
400 280	RC11400280	100	10	45	710 355	RC11710355	145	10	65
400 315	RC11400315	90	10	45	710 400	RC11710400	130	10	65
400 355	RC11400355	70	10	50	710 450	RC11710450	120	10	65
450 180	RC11450180	160	10	50	710 500	RC11710500	110	10	65
450 200	RC11450200	150	10	50	710 560	RC11710560	100	10	65
450 225	RC11450225	130	10	45	710 630	RC11710630	85	10	65
450 250	RC11450250	130	10	45	800 355	RC11800355	180	10	75
450 280	RC11450280	110	10	45	800 400	RC11800400	165	10	75
450 315	RC11450315	100	10	45	800 450	RC11800450	155	10	75
450 355	RC11450355	85	10	45	800 500	RC11800500	145	10	75
450 400	RC11450400	65	10	45	800 560	RC11800560	130	10	75
500 200	RC11500200	160	10	48	800 630	RC11800630	115	10	75
500 225	RC11500225	150	10	48	800 710	RC11800710	96	10	75

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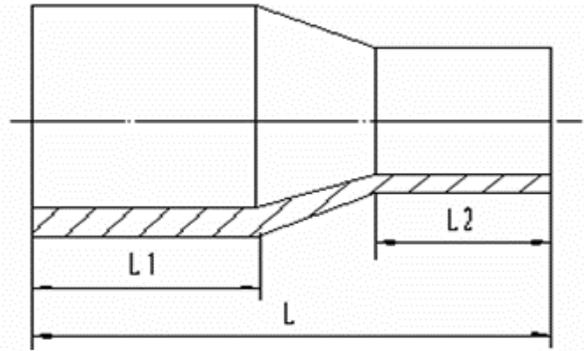
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CONCENTRIC REDUCER LONG

PIPE FITTINGS



CONCENTRIC REDUCER LONG SPIGOT SDR17

Size (mm)	Code SDR17	L1	L2	L
75 50	RCLS17075050	80	55	184
75 63	RCLS17075063	80	55	184
90 50	RCLS17090050	81	57	184
90 63	RCLS17090063	64	46	136
90 75	RCLS17090075	67	59	136
110 50	RCLS17110050	74	49	174
110 63	RCLS17110063	74	49	174
110 75	RCLS17110075	75	65	156
110 90	RCLS17110090	76	66	156
125 63	RCLS17125063	103	72	195
125 75	RCLS17125075	103	70	195
125 90	RCLS17125090	105	79	198
125 110	RCLS17125110	92	82	213
160 63	RCLS17160063	102	61	210
160 90	RCLS17160090	107	71	210
160 110	RCLS17160110	98	77	203
160 125	RCLS17160125	85	115	215
160 140	RCLS17160140	110	92	218
180 160	RCLS17180160	112	98	235
200 110	RCLS17200110	117	114	284
200 125	RCLS17200125	128	90	265
200 160	RCLS17200160	115	130	260
200 180	RCLS17200180	125	120	285
225 110	RCLS17225110	136	115	285
225 160	RCLS17225160	136	120	285

Size (mm)	Code SDR17	L1	L2	L
225 200	RCLS17225200	136	120	285
250 160	RCLS17250160	134	101	286
250 200	RCLS17250200	138	115	287
250 225	RCLS17250225	142	129	315
280 200	RCLS17280200	-	-	-
280 225	RCLS17280225	-	-	-
280 250	RCLS17280250	-	-	-
315 110	RCLS17315110	96	98	310
315 125	RCLS17315125	96	98	310
315 140	RCLS17315140	96	98	310
315 160	RCLS17315160	96	98	310
315 180	RCLS17315180	96	98	310
315 200	RCLS17315200	110	150	325
315 225	RCLS17315225	150	120	312
315 250	RCLS17315250	150	130	312
315 280	RCLS17315280	150	145	315
355 110	RCLS17355110	98	86	310
355 160	RCLS17355160	97	88	270
355 200	RCLS17355200	90	80	205
355 225	RCLS17355225	95	86	245
355 250	RCLS17355250	98	100	260
355 280	RCLS17355280	98	101	241
400 200	RCLS17400200	-	-	-
400 250	RCLS17400250	57	127	256
400 315	RCLS17400315	150	70	250



PIPE FITTINGS

CONCENTRIC REDUCER LONG

CONCENTRIC REDUCER LONG SPIGOT SDR11

Size (mm)	Code SDR11	L1	L2	L	Size (mm)	Code SDR11	L1	L2	L
25 20	RCLS11025020	36	32	70	200 125	RCLS11200125	128	90	265
32 25	RCLS11032025	38	38	80	200 160	RCLS11200160	100	115	260
40 32	RCLS11040032	44	40	86	200 180	RCLS11200180	125	120	285
50 40	RCLS11050040	50	46	102	225 110	RCLS11225110	120	85	290
63 32	RCLS11063032	61	43	130	225 160	RCLS11225160	136	120	285
63 40	RCLS11063040	60	44	123	225 200	RCLS11225200	136	120	285
63 50	RCLS11063050	49	51	109	250 160	RCLS11250160	134	101	286
75 50	RCLS11075050	80	55	184	250 200	RCLS11250200	135	120	290
75 63	RCLS11075063	80	55	184	250 225	RCLS11250225	100	100	230
90 50	RCLS11090050	81	57	184	280 200	RCLS11280200	-	-	-
90 63	RCLS11090063	64	46	136	280 225	RCLS11280225	-	-	-
90 75	RCLS11090075	67	59	136	280 250	RCLS11280250	-	-	-
110 50	RCLS11110050	74	49	174	315 110	RCLS11315110	96	98	310
110 63	RCLS11110063	74	49	174	315 125	RCLS11315125	96	98	310
110 75	RCLS11110075	75	65	156	315 140	RCLS11315140	96	98	310
110 90	RCLS11110090	85	85	190	315 160	RCLS11315160	96	98	310
125 63	RCLS11125063	103	72	195	315 180	RCLS11315180	96	98	310
125 75	RCLS11125075	103	70	195	315 200	RCLS11315200	150	120	312
125 90	RCLS11125090	105	79	198	315 225	RCLS11315225	150	120	312
125 110	RCLS11125110	92	82	213	315 250	RCLS11315250	150	130	312
160 63	RCLS11160063	102	61	210	315 280	RCLS11315280	100	100	240
160 90	RCLS11160090	107	71	210	355 110	RCLS11355110	98	86	310
160 110	RCLS11160110	100	85	205	355 160	RCLS11355160	97	88	270
160 125	RCLS11160125	112	87	218	355 200	RCLS11355200	105	100	265
160 140	RCLS11160140	110	92	218	355 225	RCLS11355225	95	86	245
180 160	RCLS11180160	112	98	235	355 250	RCLS11355250	100	105	265
200 110	RCLS11200110	115	85	250	355 280	RCLS11355280	98	101	241
					355 315	RCLS11355315	-	-	-

CONCENTRIC REDUCER LONG SPIGOT SDR9

Size (mm)	Code SDR9	L	L1	L2
90 75	RCLS09090075	-	-	-
110 75	RCLS09110075	-	-	-
160 110	RCLS09160110	-	-	-
200 160	RCLS09200160	-	-	-



Please Note:

Eccentric reducers available please call our team
Or email sales@gwgvalvesandpoly.com.au

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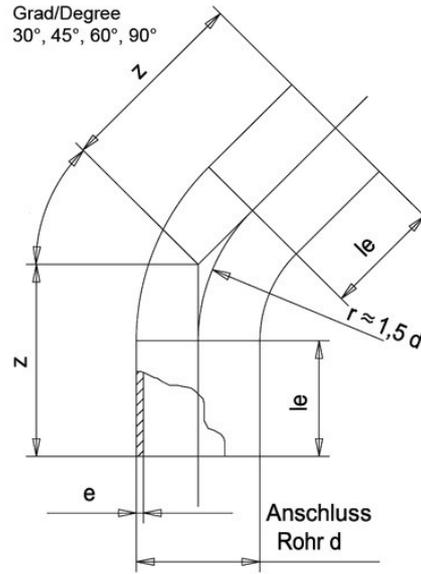
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SWEEP BEND 45 DEGREE

PIPE FITTINGS



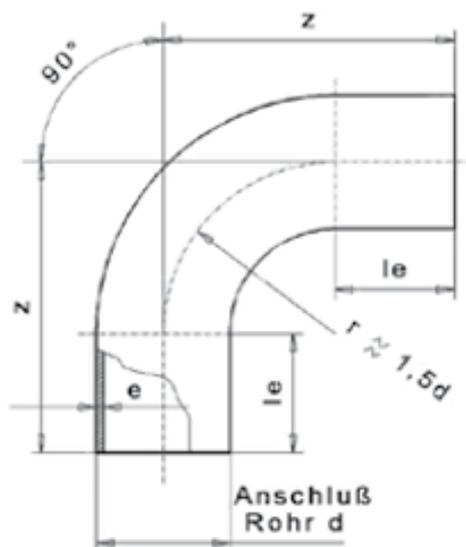
Size (mm)	Code SDR17	L	A	H	Weight (KG)
50	BSW4517050	3	80	149	0.2
63	BSW4517063	3.8	90	161	0.2
75	BSW4517075	4.5	100	168	0.4
90	BSW4517090	5.4	100	197	0.6
110	BSW4517110	6.6	120	243	1.1
125	BSW4517125	7.4	150	253	1.2
140	BSW4517140	8.3	150	262	1.7
160	BSW4517160	9.5	150	274	2.2
180	BSW4517180	10.7	150	287	3
200	BSW4517200	11.9	150	299	3.7
225	BSW4517225	13.4	150	315	5
250	BSW4517250	14.8	250	440	10
280	BSW4517280	16.6	250	460	15
315	BSW4517315	18.7	250	535	17.8
355	BSW4517355	21.1	300	620	25.6
400	BSW4517400	23.7	300	650	36.3
450	BSW4517450	26.7	300	680	45.3
500	BSW4517500	29.7	350	760	62.4
560	BSW4517560	33.2	350	800	81.9
630	BSW4517630	37.4	350	870	112.4
710	BSW4517710	42.1	400	900	222
800	BSW4517800	47.4	400	950	312

Size (mm)	Code SDR11	L	A	H	Weight (KG)
32	BSW4511032	2.9	70	120	0.1
40	BSW4511040	3.7	75	120	0.1
50	BSW4511050	4.6	80	149	0.2
63	BSW4511063	5.8	90	161	0.4
75	BSW4511075	6.8	100	168	0.6
90	BSW4511090	8.2	100	197	0.8
110	BSW4511110	10	120	243	1.7
125	BSW4511125	11.4	150	253	2.3
140	BSW4511140	12.7	150	262	2.8
160	BSW4511160	14.6	150	274	3.8
180	BSW4511180	16.4	150	287	5.1
200	BSW4511200	18.2	150	299	5.6
225	BSW4511225	20.5	150	315	7.4
250	BSW4511250	22.7	250	440	13
280	BSW4511280	25.4	250	460	15
315	BSW4511315	28.6	250	535	24.9
355	BSW4511355	32.2	300	620	39.5
400	BSW4511400	36.3	300	650	48.5
450	BSW4511450	40.9	300	680	69.8
500	BSW4511500	45.4	350	760	96.3
560	BSW4511560	50.8	350	800	129.8
630	BSW4511630	57.2	350	870	174
710	BSW4511710	64.5	400	900	222
800	BSW4511800	72.6	400	950	312



PIPE FITTINGS

SWEEP BEND 90 DEGREE



Size (mm)	Code SDR17	L	A	H	Weight (KG)
50	BSW9017050	3	80	195	0.2
63	BSW9017063	3.8	90	220	0.3
75	BSW9017075	4.5	100	238	0.5
90	BSW9017090	5.4	100	280	0.8
110	BSW9017110	6.6	120	340	1.4
125	BSW9017125	7.4	150	363	1.6
140	BSW9017140	8.3	150	385	2.5
160	BSW9017160	9.5	150	415	1.6
180	BSW9017180	10.7	150	445	4
200	BSW9017200	11.9	150	475	5.3
225	BSW9017225	13.4	150	513	7.2
250	BSW9017250	14.8	250	650	8.5
280	BSW9017280	16.6	250	695	15
315	BSW9017315	18.7	250	803	24
355	BSW9017355	21.1	300	900	36.7
400	BSW9017400	23.7	300	980	49.7
450	BSW9017450	26.7	300	1070	66.6
500	BSW9017500	29.7	350	1200	87.4
560	BSW9017560	33.2	350	1290	116
630	BSW9017630	37.4	350	1400	159.6
710	BSW9017710	42.1	400	1415	222
800	BSW9017800	47.4	400	1550	312

Size (mm)	Code SDR11	L	A	H	Weight (KG)
32	BSW9011032	2.9	70	148	0.1
40	BSW9011040	3.7	75	160	0.2
50	BSW9011050	4.6	80	195	0.3
63	BSW9011063	5.8	90	220	0.5
75	BSW9011075	6.8	100	238	0.7
90	BSW9011090	8.2	100	280	1.1
110	BSW9011110	10	120	340	2.1
125	BSW9011125	11.4	150	363	2.5
140	BSW9011140	12.7	150	385	3.2
160	BSW9011160	14.6	150	415	5
180	BSW9011180	16.4	150	445	6.1
200	BSW9011200	18.2	150	475	8.1
225	BSW9011225	20.5	150	513	11
250	BSW9011250	22.7	250	650	17.6
280	BSW9011280	25.4	250	695	23.5
315	BSW9011315	28.6	250	803	35
355	BSW9011355	32.2	300	900	53.3
400	BSW9011400	36.3	300	980	71.9
450	BSW9011450	40.9	300	1070	97.3
500	BSW9011500	45.4	350	1200	134
560	BSW9011560	50.8	350	1290	179.3
630	BSW9011630	57.2	350	1400	243.2
710	BSW9011710	64.5	400	1415	222
800	BSW9011800	72.6	400	1550	312

Please Note:

Sweep bends also available in 11, 22, 30 & 60 degree

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PE, BRASS & STAINLESS THREADED ADAPTORS


THREADED POLY ADAPTOR FEMALE SDR11

Size	Code	Z	L	W (KG)
32 1	TAF32X1	30	57	-
50 1 ½	TAF50X11/2	-	-	-
63 2	TAF63X2	42	80	-
75 2 ½	TAF75X21/2	-	-	-
90 3	TAF90X3	-	-	-

THREADED POLY ADAPTOR MALE SDR11

Size	Code	Z	L	W (KG)
20 ½	TAM20X1/2	-	-	-
32 1	TAM32X1	27	60	-
63 2	TAM63X2	34	78	-
75 2 ½	TAM75X21/2	-	-	-
90 3	TAM90X3	-	-	-
110 4	TAM110X4	-	-	-

THREADED BRASS ADAPTOR FEMALE SDR11

Size	Code	Z	L	W (KG)
20 ½	TAFB20X1/2	40	72	0.06
25 ¾	TAFB25X3/4	42	77	0.12
32 1	TAFB32X1	45	80	0.20
40 1 ¼	TAFB40X11/4	47	88	0.28
50 1 ½	TAFB50X11/2	55	99	0.35
63 2	TAFB63X2	60	112	0.58
90 3	TAFB90X3	-	-	-

THREADED BRASS ADAPTOR MALE SDR11

Size	Code	Z	L	W (KG)
20 ½	TAMB20X1/2	40	85	0.063
25 ¾	TAMB25X3/4	40	90	0.12
32 1	TAMB32X1	47	97	0.20
40 1 ¼	TAMB40X11/4	47	105	0.28
50 1 ½	TAMB50X11/2	55	114	0.35
63 2	TAMB63X2	60	133	0.58
90 3	TAMB90X3	-	-	-

**THREADED STAINLESS
STEEL ADAPTOR FEMALE SDR11**

Size	Code	Z	L	W (KG)
20 ½	TAFS20X1/2	40	62	0.063
25 ¾	TAFS25X3/4	42	67	0.12
32 1	TAFS32X1	46	78	0.20
40 1 ¼	TAFS40X11/4	48	83	0.28
50 1 ½	TAFS50X11/2	58	93	0.35
63 2	TAFS63X2	80	128	0.58
90 3	TAFS90X3	-	-	-

**THREADED STAINLESS
STEEL ADAPTOR MALE SDR11**

Size	Code	Z	L	W (KG)
20 ½	TAMS20X1/2	-	-	0.063
25 ¾	TAMS25X3/4	42	78	0.12
32 1	TAMS32X1	47	97	0.20
40 1 ¼	TAMS40X11/4	52	110	0.28
50 1 ½	TAMS50X11/2	58	114	0.35
63 2	TAMS63X2	90	160	0.58
90 3	TAMS90X3	-	-	-


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ELECTROFUSION FITTINGS



Our Electrofusion Fittings represents the highest quality and excellence in EF production throughout the world, Plast Fittings are WSAA approved & suitable for water, gas and industrial fluids our extensive range 20mm –1200mm Includes Couplers, Tees, Reducing Tees, Elbows, Reducers & Tapping Saddles

WATERMARKED & CERTIFIED ELECTROFUSION FITTINGS



PRODUCT CONFORMITY SCHEME – FULL CERTIFICATION
Certification Licence

WATER SERVICES
ASSOCIATION OF AUSTRALIA



Electrofusion fittings; PE100 black working voltage

39,5 - 48 V; Injection moulded.

Suitable for: Piping systems for water distribution (UNI EN 12201 - ISO 4427) up to PN25 bar;

Piping systems for industrial applications (UNI EN ISO 15494); Piping systems for the distribution of fuel gas (UNI EN 1555 - ISO 4437).

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TEES & REDUCING TEES

Electrofusion products symbols reference:

-  Item for drinking water application
-  Item for industrial application
-  Item for fuel gas application
-  Item for water pressure application (firefighting systems and other uses)

TEES 90 DEGREE SDR 11



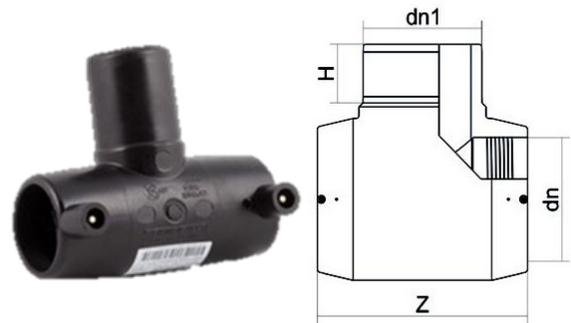
Size (mm)	Code	H	Z	W (KG)
20	EFT11020	65	98	0.06
25	EFT11025	65	98	0.07
32	EFT11032	50	116	0.10
40	EFT11040	56	130	0.15
50	EFT11050	56	150	0.24
63	EFT11063	68	175	0.46
75	EFT11075	69	188	0.64
90	EFT11090	81	209	1.03
110	EFT11110	90	250	1.8
125	EFT11125	91	265	2.42
140	EFT11140	92	290	3.06
160	EFT11160	100	320	4.53
180	EFT11180	103	336	5.98
200	EFT11200	114	415	8.45
225	EFT11225	115	415	11.03
250	EFT11250	132	478	17.00
315	EFT11315	152	560	30.34

REDUCING TEES 90 DEGREE SDR11



Size (mm)	Code	H	Z	W (KG)
90 63	EFTR11090063	65	209	0.92
90 75	EFTR11090075	66	209	0.98
110 63	EFTR11110063	66	250	1.48
125 63	EFTR11125063	66	265	2.08
125 90	EFTR11125090	82	265	2.18
140 110	EFTR11140110	83	290	2.82
160 110	EFTR11160110	88	318	4.17
180 90	EFTR11180090	85	336	5.38
180 125	EFTR11180125	93	336	5.48
200 90	EFTR11200090	82	415	7.56
200 125	EFTR11200125	88	415	7.73
200 180	EFTR11200180	107	415	7.96
225 110	EFTR11225110	90	415	10.00
225 160	EFTR11225160	99	415	10.38
250 125	EFTR11250125	93	478	14.95
250 180	EFTR11250180	110	478	15.58
315 125	EFTR11315125	93	560	25.72
315 180	EFTR11315180	110	560	27.42

ELECTROFUSION FITTINGS

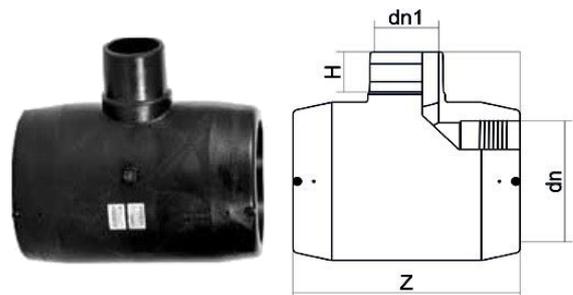


GWG WELDING WIPES

These specialised moist wipes are impregnated with a high specification solution containing 90% V/V Isopropyl Alcohol.



Ensure surfaces are clean before butt or electrofusion jointing (scraping of pipe surface is still required). 75 sheets per canister



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ELECTROFUSION FITTINGS

ELBOW 11.25 DEGREE SDR11



Size (mm)	Code	Z	W (KG)
90	EFE11.2511090	93	0.66
125	EFE11.2511125	108	1.46
180	EFE11.2511180	140	3.64
250	EFE11.2511250	148	5.09
315	EFE11.2511315	183	9.95

ELBOW 45 DEGREE SDR11



Size (mm)	Code	Z	W (KG)
20	EFE4511020	52	0.04
25	EFE4511025	53	0.05
32	EFE4511032	40	0.08
40	EFE4511040	52	0.10
50	EFE4511050	56	0.13
63	EFE4511063	64	0.22
75	EFE4511075	71	0.33
90	EFE4511090	82	0.53
110	EFE4511110	115	1.09
125	EFE4511125	120	1.53
140	EFE4511140	127	2.25
160	EFE4511160	136	2.85
180	EFE4511180	160	4.05
200	EFE4511200	180	5.55
225	EFE4511225	203	7.75
250	EFE4511250	233	10.96
315	EFE4511315	275	18.72

ELBOW 90 DEGREE SDR11



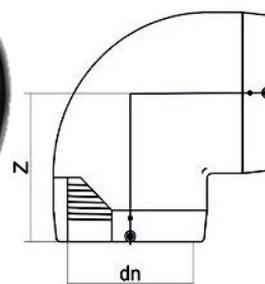
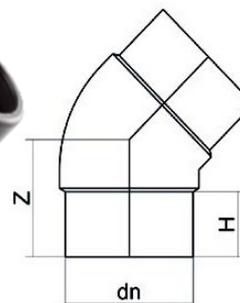
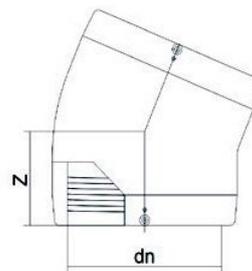
Size (mm)	Code	Z	W (KG)
20	EFE9011020	64	0.15
25	EFE9011025	60	0.06
32	EFE9011032	62	0.10
40	EFE9011040	65	0.12
50	EFE9011050	81	0.20
63	EFE9011063	94	0.31
75	EFE9011075	103	0.49
90	EFE9011090	114	0.75
110	EFE9011110	141	1.36
125	EFE9011125	155	1.81
140	EFE9011140	167	2.54
160	EFE9011160	181	3.67
180	EFE9011180	219	5.70
200	EFE9011200	241	7.80
225	EFE9011225	259	10.28
250	EFE9011250	322	12.59
315	EFE9011315	383	23.46

ELBOWS

ELBOW 22.5 DEGREE SDR11



Size (mm)	Code	Z	W (KG)
90	EFE22.511090	95	0.66
125	EFE22.511125	110	1.46
180	EFE22.511180	142	3.84
250	EFE22.511250	159	6.16
315	EFE22.511315	185	12.06



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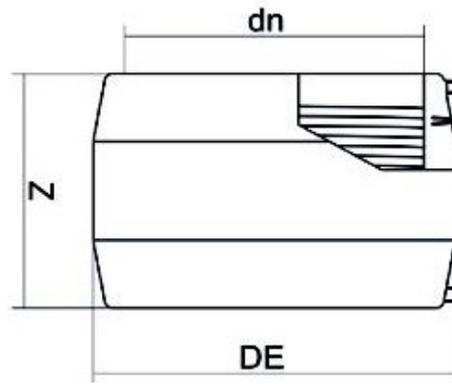
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COUPLER



ELECTROFUSION FITTINGS



COUPLER SDR26



Size (mm)	Code	DE	Z	W (KG)
110	EFC26110	129	150	0.45
125	EFC26125	143	158	0.55
140	EFC26140	160	166	0.70
160	EFC26160	184	184	1.00
180	EFC26180	206	181	1.24
200	EFC26200	229	210	1.73
225	EFC26225	254	200	1.90
250	EFC26250	278	210	2.05
280	EFC26280	320	227	3.57
315	EFC26315	360	247	4.35
355	EFC26355	406	280	6.97

Size (mm)	Code	DE	Z	W (KG)
400	EFC26400	458	325	9.47
450	EFC26450	508	382	14.00
500	EFC26500	570	385	20.25
560	EFC26560	635	455	25.50
630	EFC26630	690	436	24.50
710	EFC26710	776	450	32.65
800	EFC26800	872	455	39.20
900	EFC26900	982	500	59.00
1000	EFC261000	1120	450	71.00
1100	EFC261100	1200	450	77.00
1200	EFC261200	1335	465	90.00

COUPLER SDR17



Size (mm)	Code	DE	Z	W (KG)
90	EFC17090	104	130	0.27
110	EFC17110	129	150	0.45
125	EFC17125	143	158	0.55
140	EFC17140	160	166	0.70
160	EFC17160	184	184	1.00
180	EFC17180	206	181	1.24
200	EFC17200	229	210	1.73
225	EFC17225	254	200	1.92
250	EFC17250	286	218	2.67
280	EFC17280	320	227	3.57
315	EFC17315	360	247	4.35
355	EFC17355	406	280	6.97

Size (mm)	Code	DE	Z	W (KG)
400	EFC17400	458	325	9.47
450	EFC17450	508	382	14.00
500	EFC17500	570	385	20.25
560	EFC17560	635	455	25.50
630	EFC17630	718	502	35.30
710	EFC17710	811	500	55.60
800	EFC17800	915	500	80.20
900	EFC17900	1013	520	82.20
1000	EFC171000	1135	535	105.00
1100	EFC171100	1240	540	131.40
1200	EFC171200	1365	600	178.50



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ELECTROFUSION FITTINGS

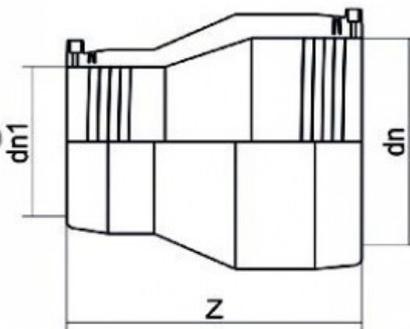
COUPLER & REDUCER

COUPLER SDR11



Size (mm)	Code	DE	Z	W (KG)
20	EFC11020	29	77	0.03
32	EFC11032	34	77	0.04
40	EFC11040	44	88	0.07
50	EFC11050	55	94	0.10
63	EFC11063	66	97	0.15
75	EFC11075	78	113	0.18
90	EFC11090	95	120	0.27
110	EFC11110	111	129	0.39
125	EFC11125	136	150	0.62
140	EFC11140	155	154	0.90
160	EFC11160	173	170	1.12
180	EFC11180	197	185	1.52
200	EFC11200	222	188	2.02
225	EFC11225	246	210	2.79
250	EFC11250	277	226	3.57

Size (mm)	Code	DE	Z	W (KG)
280	EFC11280	310	242	4.85
315	EFC11315	348	250	6.85
355	EFC11355	387	266	8.79
400	EFC11400	438	300	13.22
450	EFC11450	488	352	18.90
500	EFC11500	542	425	26.48
560	EFC11560	600	457	34.00
630	EFC11630	700	500	54.38
710	EFC11710	780	505	65.10
800	EFC11800	855	525	89.40
900	EFC11900	950	520	112.80
1000	EFC111000	1105	580	161.00
1100	EFC111100	-	-	-
1200	EFC111200	-	-	-



REDUCER SDR11



Size (mm)	Code	Z	W (KG)
25 20	EFCR11025020	77	0.04
32 20	EFCR11032020	77	0.05
32 25	EFCR11032025	77	0.05
40 20	EFCR11040020	120	0.09
40 25	EFCR11040025	108	0.11
40 32	EFCR11040032	91	0.07
50 25	EFCR11050025	120	0.13
50 32	EFCR11050032	91	0.08
50 40	EFCR11050040	91	0.09
63 25	EFCR11063025	146	0.22
63 32	EFCR11063032	102	0.13
63 40	EFCR11063040	102	0.14
63 50	EFCR11063050	102	0.14
75 50	EFCR11075050	143	0.36
75 63	EFCR11075063	143	0.27
90 50	EFCR11090050	180	0.45
90 63	EFCR11090063	162	0.45
90 75	EFCR11090075	146	0.41
110 63	EFCR11110063	210	0.76

Size (mm)	Code	Z	W (KG)
110 75	EFCR11110075	185	0.69
110 90	EFCR11110090	176	0.74
125 63	EFCR11125163	224	1.00
125 90	EFCR11125190	192	1.00
125 110	EFCR11125110	179	1.06
140 90	EFCR11140090	212	1.18
160 90	EFCR11160090	251	1.86
160 110	EFCR11160125	240	1.93
160 125	EFCR11160125	244	2.05
180 90	EFCR11180090	288	2.54
180 125	EFCR11180125	241	2.31
180 140	EFCR11180140	246	2.59
180 160	EFCR11180160	228	2.39
200 160	EFCR11200160	273	3.46
200 180	EFCR11200180	244	3.22
225 160	EFCR11225160	311	5.68
250 180	EFCR11250180	316	6.09
315 200	EFCR11315200	409	10.55

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END CAP & TAPPING SADDLE

END CAP SDR11

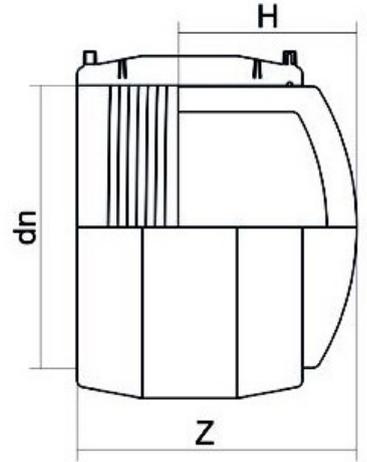


Size (mm)	Code	H	Z	W (KG)
20	EFCAP11020	54	93	0.04
25	EFCAP11025	-	54	0.05
32	EFCAP11032	-	52	0.07
40	EFCAP11040	-	63	0.09
50	EFCAP11050	-	61	0.12
63	EFCAP11063	-	70	0.18
75	EFCAP11075	82	142	0.43
90	EFCAP11090	92	158	0.99
110	EFCAP11110	103	178	1.05
125	EFCAP11125	98	175	1.39
140	EFCAP11140	111	196	1.86
160	EFCAP11160	130	223	2.60
180	EFCAP11200	119	213	3.31
200	EFCAP11225	155	260	4.79
225	EFCAP11250	143	257	5.90
250	EFCAP11250	156	277	7.95
280	EFCAP11280	154	279	11.08
315	EFCAP11315	200	333	15.07

- Denotes to be confirmed at time of purchase



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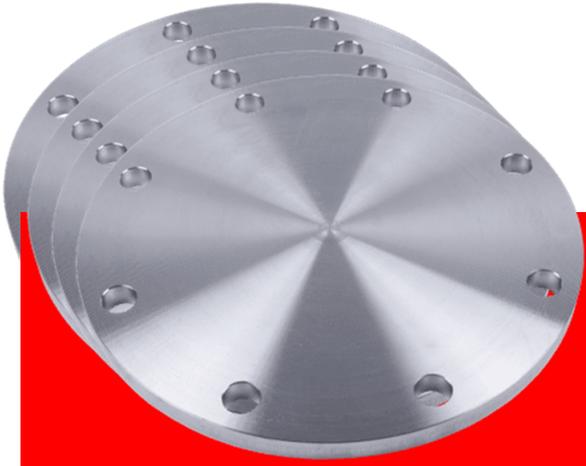
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BACKING RINGS

Wide Range of Galvanised and Stainless Steel

Backing Rings and Blind Flanges

Table D, Table E, ANSI, PN16



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GALVANISED & SS316 TABLE D AS2129

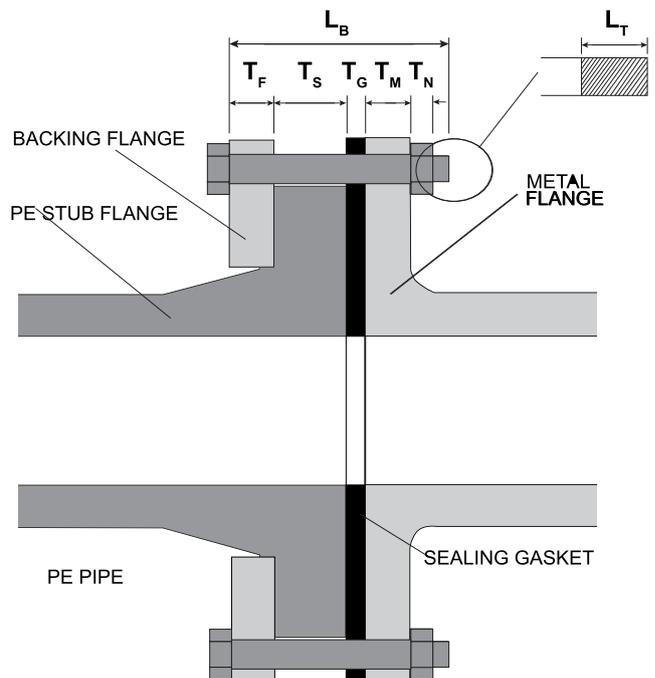
BACKING FLANGE

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	ID (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
20	BFGD/E020	BFS316D/E020	1/2"	95	32	67	8	4X14	M12	0.36
25	BFGD/E025	BFS316D/E025	3/4"	100	37	73	8	4X14	M12	0.39
32	BFGD/E032	BFS316D/E032	1"	115	44	83	8	4X14	M12	0.52
40	BFGD/E040	BFS316D/E040	1 1/4"	120	52	87	8	4X14	M12	0.54
50	BFGD/E050	BFS316D/E050	1 1/2"	135	62	98	9	4X14	M12	0.76
63	BFGD/E063	BFS316D/E063	2"	150	78	114	10	4X18	M16	0.93
75	BFGD/E075	BFS316D/E075	2 1/2"	165	92	127	10	4X18	M16	1.08
90	BFGD/E090	BFS316D/E090	3"	185	108	146	12	4X18	M16	1.58
110	BFGD110	BFS316D110	4"	215	128	178	10	4X18	M16	1.76
125	BFGD125	BFS316D125	5"	255	140	210	13	8X18	M16	1.57
140	BFGD140	BFS316D140	5"	255	158	210	13	8X18	M16	3.01
160	BFGD160	BFS316D160	6"	280	178	235	13	8X18	M16	3.54
180	BFGD180	BFS316D180	6"	280	195	235	13	8X18	M16	3.03
200	BFGD200	BFS316D200	8"	335	235	292	13	8X18	M16	4.36
225	BFGD225	BFS316D225	8"	335	240	292	13	8X18	M16	4.17
250	BFGD250	BFS316D250	10"	405	290	356	16	8X22	M20	7.51
280	BFGD280	BFS316D280	10"	405	300	356	16	8X22	M20	6.93
315	BFGD315	BFS316D315	12"	455	345	406	19	12X22	M20	9.64
315	BFGD315RT*		12"	455	345	406	15	12X14	M12	7.61
355	BFGD355	BFS316D355	14"	525	376	470	22	12X26	M24	17.12
400	BFGD400	BFS316D400	16"	580	430	521	22	12X26	M24	19.46
450	BFGD450	BFS316D450	18"	640	480	584	25	12X26	M24	26.39
500	BFGD500	BFS316D500	20"	705	533	641	29	16X26	M24	36.17
560	BFGD560	BFS316D560	22"	760	590	699	32	16X30	M27	42.47
630	BFGD630	BFS316D630	24"	825	660	756	32	16X30	M27	45.61
710	BFGD710	BFS316D710	28"	910	745	845	35	20X30	M27	55.08
800	BFGD800	BFS316D800	32"	1060	835	985	41	20X36	M33	101.30
900	BFGD900	BFS316D900	36"	1175	984	1092	48	24X36	M33	132.60
1000	BFGD1000	BFS316D1000	40"	1255	1035	1175	51	24X36	M33	148.98

Bolt Type	Nut Length	Thread Length
M12	10.8	27
M16	14.8	37
M20	18	45
M24	21.5	53.75
M27	24	60
M30	25.6	64
1/2"	10.8	27
5/8"	14.8	37

T_s = STUB THICKNESS
 T_g = GASKET THICKNESS
 L_b = BOLT LENGTH
 L_t = THREAD LENGTH
 T_m = MATING FLANGE THICKNESS
 T_f = FLANGE THICKNESS

* Asterisk denotes a reduced thickness flange



BACKING FLANGE

GALVANISED & SS316 TABLE E AS2129

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	ID (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
20	BFGD/E020	BFS316D/E020	1/2"	95	32	67	8	4X14	M12	0.27
25	BFGD/E025	BFS316D/E025	3/4"	100	37	73	8	4X14	M12	0.29
32	BFGD/E032	BFS316D/E032	1"	115	44	83	8	4X14	M12	0.45
40	BFGD/E040	BFS316D/E040	1 1/4"	120	52	87	8	4X14	M12	0.54
50	BFGD/E050	BFS316D/E050	1 1/2"	135	62	98	9	4X14	M12	0.76
63	BFGD/E063	BFS316D/E063	2"	150	78	114	10	4X18	M16	0.93
75	BFGD/E075	BFS316D/E075	2 1/2"	165	92	127	10	4X18	M16	1.08
90	BFGD/E090	BFS316D/E090	3"	185	108	146	12	4X18	M16	1.58
110	BFGE110	BFS316E110	4"	215	128	178	13	8X18	M16	2.19
125	BFGE125	BFS316E125	5"	255	140	210	14	8X18	M16	3.70
140	BFGE140	BFS316E140	5"	255	158	210	14	8X18	M16	3.23
160	BFGE160	BFS316E160	6"	280	178	235	17	8X22	M20	4.49
180	BFGE180	BFS316E180	6"	280	195	235	17	8X22	M20	3.84
200	BFGE200	BFS316E200	8"	335	235	292	19	8X22	M20	6.23
225	BFGE225	BFS316E225	8"	335	240	292	19	8X22	M20	5.95
250	BFGE250	BFS316E250	10"	405	290	356	22	12X22	M20	10.06
280	BFGE280	BFS316E280	10"	405	300	356	22	12X22	M20	9.26
315	BFGE315	BFS316E315	12"	455	345	406	25	12X26	M24	12.32
355	BFGE355	BFS316E355	14"	525	376	470	29	12X26	M24	22.57
400	BFGE400	BFS316E400	16"	580	430	521	32	12X26	M24	28.31
450	BFGE450	BFS316E450	18"	640	480	584	32	16X26	M24	33.25
500	BFGE500	BFS316E500	20"	705	533	641	38	16X26	M24	47.39
560	BFGE560	BFS316E560	22"	760	590	699	44	16X30	M27	58.40
630	BFGE630	BFS316E630	24"	825	660	756	48	16X33	M30	67.36
710	BFGE710	BFS316E710	28"	910	745	845	51	20X33	M30	79.07
800	BFGE800	BFS316E800	32"	1060	835	984	54	20X36	M33	133.42
900	BFGE900	BFS316E900	36"	1175	950	1092	64	24X36	M33	176.81
1000	BFGE1000	BFS316E1000	40"	1255	1035	1175	67	24X39	M36	192.49



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GALVANISED & SS316 ANSI 150

BACKING FLANGE

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	ID (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
20	BFGA020	BFS316A020	1/2"	90	32	60.5	8	4X16	1/2"	0.30
25	BFGA025	BFS316A025	3/4"	98	37	70.0	8	4X16	1/2"	0.36
32	BFGA032	BFS316A032	1"	108	44	79.5	8	4X16	1/2"	0.43
40	BFGA040	BFS316A040	1 1/4"	117	52	89.0	8	4X16	1/2"	0.49
50	BFGA050	BFS316A050	1 1/2"	127	62	98.5	10	4X16	1/2"	0.69
63	BFGA063	BFS316A063	2"	152	78	120.5	10	4X20	5/8"	0.95
75	BFGA075	BFS316A075	2 1/2"	178	92	139.5	10	4X20	5/8"	1.33
90	BFGA090	BFS316A090	3"	191	108	152.0	12	4X20	5/8"	1.72
110	BFGA110	BFS316A110	4"	229	128	190.5	12	8X20	5/8"	2.43
125	BFGA125	BFS316A125	5"	254	140	216.0	16	8X23	3/4"	4.02
140	BFGA140	BFS316A140	5"	254	158	216.0	16	8X23	3/4"	3.49
160	BFGA160	BFS316A160	6"	279	178	241.0	16	8X23	3/4"	4.14
180	BFGA180	BFS316A180	6"	279	195	241.0	16	8X23	3/4"	3.51
200	BFGA200	BFS316A200	8"	343	235	298.5	20	8X23	3/4"	7.18
225	BFGA225	BFS316A225	8"	343	240	298.5	20	8X23	3/4"	6.89
250	BFGA250	BFS316A250	10"	406	290	362.0	20	12X26	7/8"	8.96
280	BFGA280	BFS316A280	10"	406	300	362.0	20	12X26	7/8"	8.23
315	BFGA315	BFS316A315	12"	483	345	432.0	25	12X26	7/8"	16.37
355	BFGA355	BFS316A355	14"	535	376	476.0	28	12X29	1"	23.28
400	BFGA400	BFS316A400	16"	600	430	540.0	32	16X29	1"	31.91
450	BFGA450	BFS316A450	18"	635	480	578.0	32	16X32	1 1/8"	34.80
500	BFGA500	BFS316A500	20"	700	533	635.0	38	20X32	1 1/8"	45.84
560	BFGA560	BFS316A560	22"	750	590	692.0	44	20X35	1 1/4"	53.98
630	BFGA630	BFS316A630	24"	813	660	749.0	48	20X35	1 1/4"	62.07
710	BFGA710	BFS316A710	28"	927	745	863.5	71	28X35	1 1/4"	83.43
800	BFGA800	BFS316A800	32"	1060	835	978.0	81	28X41	1 1/2"	117.21
900	BFGA900	BFS316A900	36"	1170	950	1085.8	90	32X41	1 1/2"	237.09
1000	BFGA1000	BFS316A1000	40"	1290	1030	1124.0	90	36X41	1 1/2"	301.84



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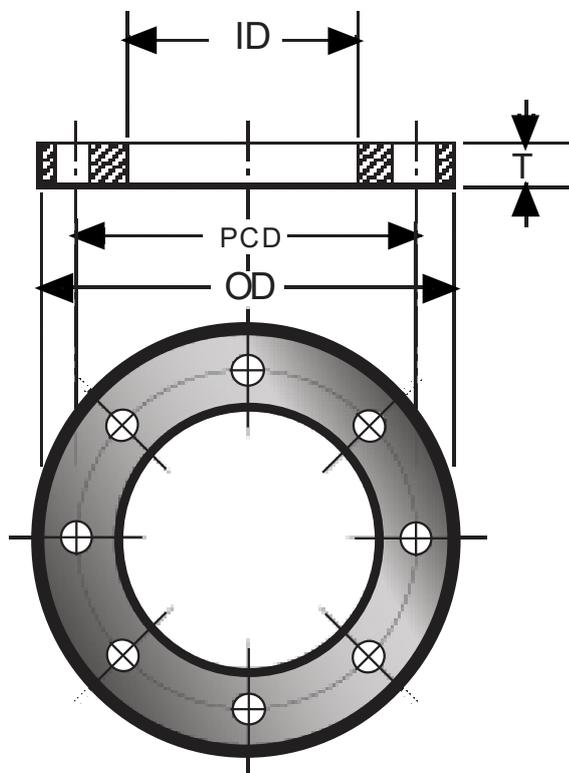
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BACKING FLANGE

GALVANISED & SS316 PN16

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	ID (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
63	BFG16063	BFS31616063	2"	150	78	114	11	4X18	M16	1.03
75	BFG16075	BFS31616075	2 1/2"	165	92	127	11	4X18	M16	1.19
90	BFG16090	BFS31616090	3"	185	108	146	11	4X18	M16	1.45
110	BFG16110	BFS31616110	4"	215	128	178	13	4X18	M16	2.29
125		BFS31616125-4	4"	215	140	178	13	4X18	M16	2.03
125		BFS31616125	5"	255	140	210	13	8X18	M16	3.44
160	BFG16160	BFS31616160	6"	280	178	235	13	8X18	M16	3.54
180	BFG16180	BFS31616180	6"	280	195	235	13	8X18	M16	3.03
200	BFG16200	BFS31616200	8"	335	235	292	19	8X18	M16	6.38
225	BFG16225	BFS31616225	8"	335	238	292	19	8X18	M16	6.21
225	BFG16225-9	BFS316225-9	9"	370	238	324	19	8X18	M16	9.09
250	BFG16250	BFS31616250	10"	405	288	356	19	8X22	M20	9.05
280	BFG16280	BFS31616280	10"	405	300	356	19	8X22	M20	8.22
315	BFG16315	BFS31616315	12"	455	338	406	23	12X22	M20	12.34
355	BFG16355	BFS31616355	14"	525	376	470	30	12X26	M24	23.35
400	BFG16400-15	BFS31616400-15	15"	550	430	495	30	12X26	M24	21.19
400	BFG16400	BFS31616400	16"	580	430	521	30	12X26	M24	26.54
450	BFG16450	BFS31616450	18"	640	470	584	30	12X26	M24	33.43
500	BFG16500	BFS31616500	20"	705	533	641	38	16X26	M24	47.39
630	BFG16630	BFS31616630	24"	825	645	756	48	16X30	M27	68.41
710	BFG16710	BFS31616710	28"	910	740	845	56	20X30	M27	88.28
800	BFG16800	BFS31616800	32"	1060	843	984	56	20X36	M33	138.59
900	BFG16900	BFS31616900	36"	1175	947	1092	66	24X36	M33	182.33
1000	BFG161000	BFS316161000	40"	1255	1050	1175	66	24X36	M33	192.80

Bolt Type	Nut Length	Thread Length
M12	10.8	27
M16	14.8	37
M20	18	45
M24	21.5	53.75
M27	24	60
M30	25.6	64
1/2"	10.8	27
5/8"	14.8	37



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Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
20	GBFD/E015	SBFD/E015	1/2"	95	67	8	4X14	M12	0.40
25	GBFD/E020	SBFD/E020	3/4"	100	73	8	4X14	M12	0.45
32	GBFD/E025	SBFD/E025	1"	115	83	8	4X14	M12	0.61
40	GBFD/E032	SBFD/E032	1 1/4"	120	87	8	4X14	M12	0.67
50	GBFD/E040	SBFD/E040	1 1/2"	135	98	8	4X14	M12	0.86
63	GBFD/E050	SBFD/E050	2"	150	114	10	4X18	M16	1.31
75	GBFD/E065	SBFD/E065	2 1/2"	165	127	10	4X18	M16	1.60
90	GBFD/E080	SBFD/E080	3"	185	146	10	4X18	M16	2.03
110	GBFD100	SBFD100	4"	215	178	10	4X18	M16	2.77
125/140	GBFD125	SBFD125	5"	255	210	13	8X18	M16	5.01
160/180	GBFD150	SBFD150	6"	280	235	13	8X18	M16	6.08
200	GBFD200	SBFD200	8"	335	292	13	8X18	M16	8.79
225	GBFD225	SBFD225	9"	370	270	16	8X18	M16	13.24
250/280	GBFD250	SBFD250	10"	405	356	16	8X22	M20	15.81
315	GBFD300	SBFD300	12"	455	406	19	12X22	M20	23.59
350	GBFD350	SBFD350	14"	525	470	22	12X26	M24	36.31
375	GBFD375	SBFD375	15"	550	495	22	12X26	M24	54.42
400	GBFD400	SBFD400	16"	580	521	22	12X26	M24	44.56
450	GBFD450	SBFD450	18"	640	584	25	12X26	M24	61.93
500	GBFD500	SBFD500	20"	705	641	29	16X26	M24	87.00
560	GBFD560	SBFD560	22"	760	699	32	16X30	M27	111.38
630	GBFD600	SBFD600	24"	825	756	32	16X30	M27	131.15
710	GBFD700	SBFD700	28"	910	845	35	20X30	M27	174.41
800	GBFD800	SBFD800	32"	1060	985	41	20X36	M33	278.13
900	GBFD900	SBFD900	36"	1175	1092	48	24X36	M33	400.64
1000	GBFD1000	SBFD1000	40"	1255	1175	51	24X36	M33	486.61



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BLIND FLANGE**GALVANISED & SS316 TABLE E AS2129**

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
20	GBFD/E015	SBFD/E015	1/2"	95	67	6	4X14	M12	0.40
25	GBFD/E020	SBFD/E020	3/4"	100	73	6	4X14	M12	0.45
32	GBFD/E025	SBFD/E025	1"	115	83	6	4X14	M12	0.61
40	GBFD/E032	SBFD/E032	1 1/4"	120	87	6	4X14	M12	0.67
50	GBFD/E040	SBFD/E040	1 1/2"	135	98	8	4X14	M12	0.86
63	GBFD/E050	SBFD/E050	2"	150	114	10	4X18	M16	1.31
75	GBFD/E065	SBFD/E065	2 1/2"	165	127	10	4X18	M16	1.60
90	GBFD/E080	SBFD/E080	3"	185	146	10	4X18	M16	2.03
110	GBFE100	SBFE100	4"	215	178	13	8X18	M16	3.50
125/140	GBFE125	SBFE125	5"	255	210	14	8X18	M16	5.39
160/180	GBFE150	SBFE150	6"	280	235	17	8X22	M20	7.82
200/225	GBFE200	SBFE200	8"	335	292	19	8X22	M20	12.70
250/280	GBFE250	SBFE250	10"	405	356	22	12X22	M20	21.48
315	GBFE300	SBFE300	12"	455	406	25	12X26	M24	30.68
350	GBFE350	SBFE350	14"	525	470	29	12X26	M24	47.87
400	GBFE400	SBFE400	16"	580	521	32	12X26	M24	64.82
450	GBFE450	SBFE450	18"	640	584	32	16X26	M24	78.74
500	GBFE500	SBFE500	20"	705	641	38	16X26	M24	114.00
560	GBFE560	SBFE560	22"	760	699	44	16X30	M27	153.15
630	GBFE600	SBFE600	24"	825	756	48	16X33	M30	196.73
710	GBFE700	SBFE700	28"	910	845	51	20X33	M30	254.14
800	GBFE800	SBFE800	32"	1060	984	54	20X36	M33	366.32
900	GBFE900	SBFE900	36"	1175	1092	64	24X36	M33	532.23
1000	GBFE1000	SBFE1000	40"	1255	1175	67	24X39	M36	635.21

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GALVANISED & SS316 ANSI 150 & PN16

BLIND FLANGE

ANSI 150 BLIND FLANGE

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
20	GBFA015	SBFA015	1/2"	90	60.5	6	4X16	1/2"	0.26
25	GBFA020	SBFA020	3/4"	98	70	8	4X16	1/2"	0.42
32	GBFA025	SBFA025	1"	108	79.5	8	4X16	1/2"	0.53
40	GBFA032	SBFA032	1 1/4"	117	89	8	4X16	1/2"	0.63
50	GBFA040	SBFA040	1 1/2"	127	98.5	10	4X16	1/2"	0.93
63	GBFA050	SBFA050	2"	152	120.5	10	4X20	5/8"	1.33
75	GBFA065	SBFA065	2 1/2"	178	139.5	10	4X20	5/8"	1.86
90	GBFA080	SBFA080	3"	191	152	12	4X20	5/8"	2.58
110	GBFA100	SBFA100	4"	229	190.5	12	8X20	5/8"	3.65
125/140	GBFA125	SBFA125	5"	254	216	16	8X23	3/4"	5.95
160/180	GBFA150	SBFA150	6"	279	241	16	8X23	3/4"	7.27
200/225	GBFA200	SBFA200	8"	343	298.5	20	8X23	3/4"	14.00
250/280	GBFA250	SBFA250	10"	406	362	20	12X26	7/8"	19.34
315	GBFA300	SBFA300	12"	483	432	25	12X26	7/8"	34.73
350	GBFA350	SBFA350	14"	535	476	28	12X29	1"	47.78
400	GBFA400	SBFA400	16"	600	540	32	16x29	1"	68.53



ALSO AVAILABLE

Pipe OD	Galvanised	Stainless Steel	Flange Size
450	GBFA450	SBFA450	18"
500	GBFA500	SBFA500	20"
560	GBFA560	SDF A560	22"
630	GBFA600	SBFA600	24"
700	GBFA700	SBFA700	28"
800	GBFA800	SBFA800	32"
900	GBFA900	SBFA900	36"
1000	GBFA1000	SBFA1000	40"

PN16 BLIND FLANGE

Pipe OD (mm)	Galvanised Code	Stainless Steel Code	Flange Size	OD (mm)	PCD (mm)	T (mm)	Bolt Holes NO. X DIA	Bolt	Weight (KG)
63	GBF16050	SBF16050	2"	150	114	11	4X18	M16	1.44
75	GBF16065	SBF16065	2 1/2"	165	127	11	4X18	M16	1.76
90	GBF16080	SBF16080	3"	185	146	11	4X18	M16	2.23
110	GBF16100	SBF16100	4"	215	178	13	4X18	M16	3.60
160/180	GBF16150	SBF16150	6"	280	235	13	8X18	M16	6.08
200/225	GBF16200	SBF16200	8"	335	292	19	8X18	M16	12.85
250/280	GBF16250	SBF16250	10"	405	356	19	8X22	M20	18.77
315	GBF16300	SBF16300	12"	455	406	23	12X22	M20	28.55
350	GBF16350	SBF16350	14"	525	470	30	12X26	M24	49.52
400	GBF16400	SBF16400	16"	580	521	30	12X26	M24	60.77
450	GBF16450	SBF16450	18"	640	584	30	12X26	M24	74.32
500	GBF16500	SBF16500	20"	705	641	38	16X26	M24	114.00



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VALVES

Our center line type butterfly valves have been developed with more than 20 years' scientific research & application experiences

They are with better torque control, easy operation, easy installation and maintenance.



VARIOUS APPLICATIONS UNDER DIFFERENT OPERATING CONDITIONS

- ◆ Portable water, water factory
- ◆ Wastewater treatment & environmental protection
- ◆ Agriculture
- ◆ Energy, Power & Utilities
- ◆ HVAC system
- ◆ Building fire control system
- ◆ Chemical and petrochemical

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GEAR WAFER BUTTERFLY VALVES

VALVES

Size (mm)	Imperial Size	Code	Weight (KG)
50	2"	BVWNG050	7.84
65	2 1/2"	BVWNG065	8.46
80	3"	BVWNG080	8.60
100	4"	BVWNG100	10.00
125	5"	BVWNG125	13.70
150	6"	BVWNG150	13.70
200	8"	BVWNG200	25.00
250	10"	BVWNG250	32.00
300	12"	BVWNG300	45.00
350	14"	BVWNG350	58.00
400	16"	BVWNG400	107.00
450	18"	BVWNG450	107.00
500	20"	BVWNG500	160.00
600	24"	BVWNG600	260.00

Parts	Description	Material
1	Body	Cast Iron
2	Disc	SS316
3	Stem	SS420
4	Seat	NBR*
5	Bushing	PTFE
6	O-Ring	EPDM
7	Pin	SS304

NOMINAL PRESSURE		PN16
Test	Strength Test	2.4Mpa
Pressure	Sealing Test	1.76Mpa
Max Working Temp.		-10°C to + 90°C

* Denotes Available in NBR and EPDM

Please Note:

Care should be taken when connecting wafer style butterfly valves with stub flanges. On some valves the mouth of the stub must be machined out slightly to allow full rotation of the butterfly plate when fully assembled. Where excessive material must be removed polyethylene tapered spacers must be used between the stub flange and the valve body.



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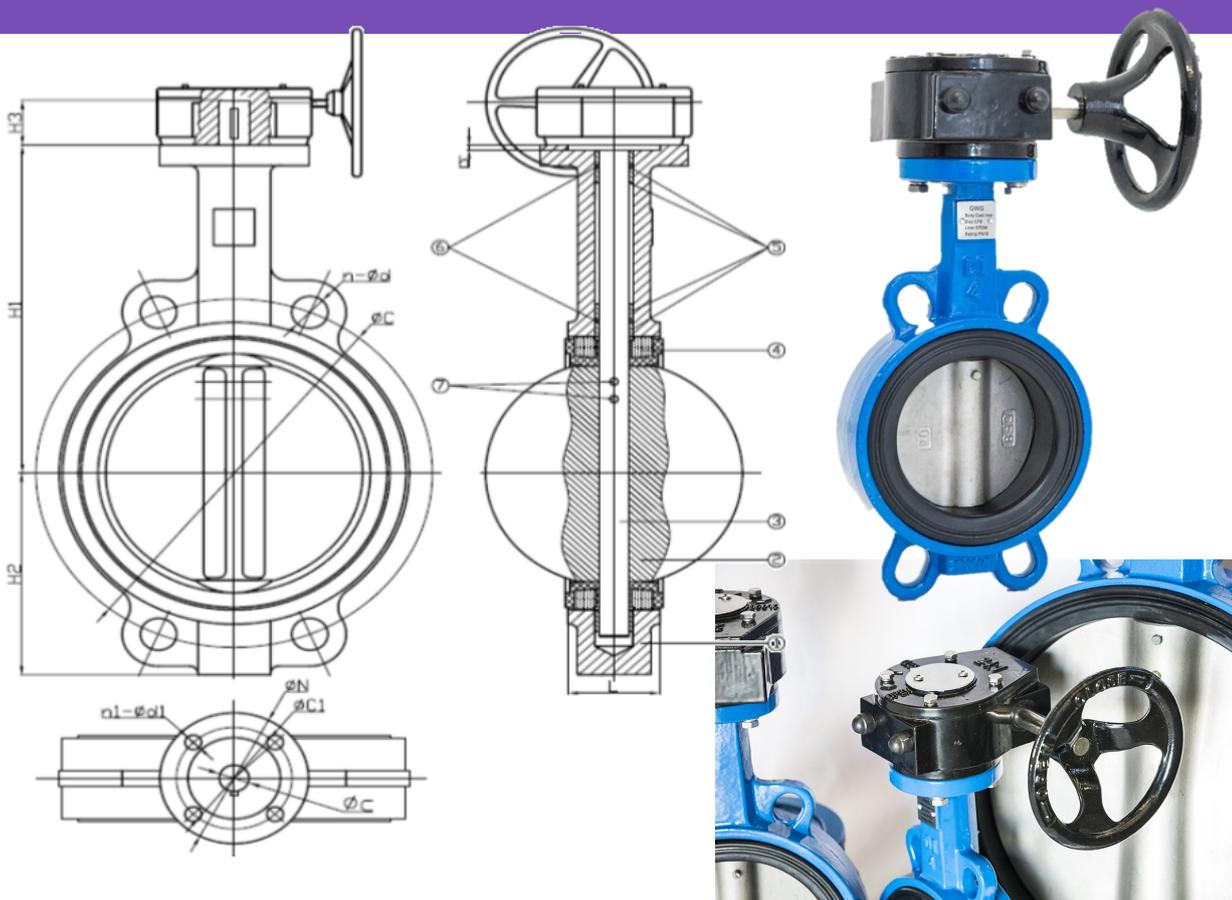
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DN	L	AS2129 TABLE E					ISO5211				
		$\varnothing C$	n- $\varnothing d$	H1	H2	H3	TOP	$\varnothing N$	$\varnothing C1$	n1- $\varnothing d1$	$\varnothing Z$
50	43	114	4-18	140	70	29	F05	65	50	4- $\varnothing 8$	12.6
65	46	127	4-18	155	79	29	F05	65	50	4- $\varnothing 8$	12.6
80	46	146	4-18	160	95	29	F05	65	50	4- $\varnothing 8$	12.6
100	52	178	8-18	180	107	29	F07	90	70	4- $\varnothing 10$	15.77
125	56	210	8-18	193	120	29	F07	90	70	4- $\varnothing 10$	18.92
150	56	235	8-22	200	139	29	F07	90	70	4- $\varnothing 10$	18.92
200	60	292	8-22	240	170	35	F10	125	102	4- $\varnothing 12$	22.1
250	68	356	12-22	272	200	35	F10	125	102	4- $\varnothing 12$	28.45
300	78	406	12-26	317	242	37	F10	125	102	4- $\varnothing 12$	31.6
350	78	470	12-26	368	267	45	F10	125	102	4- $\varnothing 12$	31.6
400	102	521	12-26	400	298.6	51.2	F14	175	140	4- $\varnothing 18$	33.15
450	114	584	16-26	422	318	51.2	F14	175	140	4- $\varnothing 18$	38
500	127	641	16-26	480	355	64.2	F14	175	140	4- $\varnothing 18$	41.15
600	154	756	16-33	562	444	70.2	F16	210	165	4- $\varnothing 22$	50.65

DESIGN FEATURES AND ADVANTAGES

- ◆ Concentric design
- ◆ Cartridge seat & groove locks boot seat
- ◆ Replaceable seat
- ◆ Standardized top flange for actuator adaption
- ◆ Direct mounting of actuators without any additional brackets
- ◆ Economy & high performance
- ◆ Stems are blowout-proof type.
- ◆ Low maintenance design and long service life
- ◆ High Cv, lower head loss results in energy savings for customer's system.
- ◆ Maximum flow and range ability is achieved with the use of a streamlined disc
- ◆ Longer seat life with low operating torques is ensured by utilizing upper and lower stem bearings



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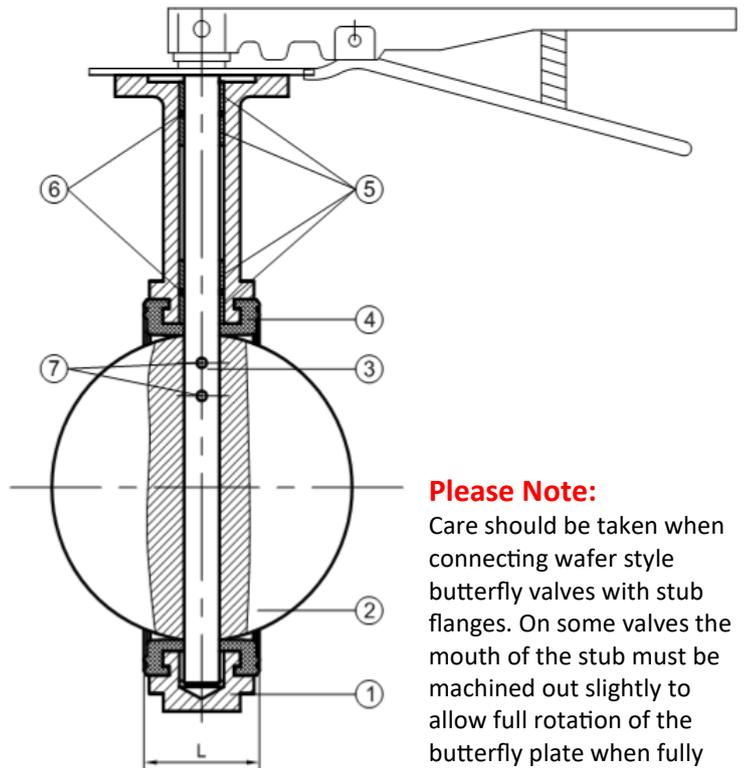
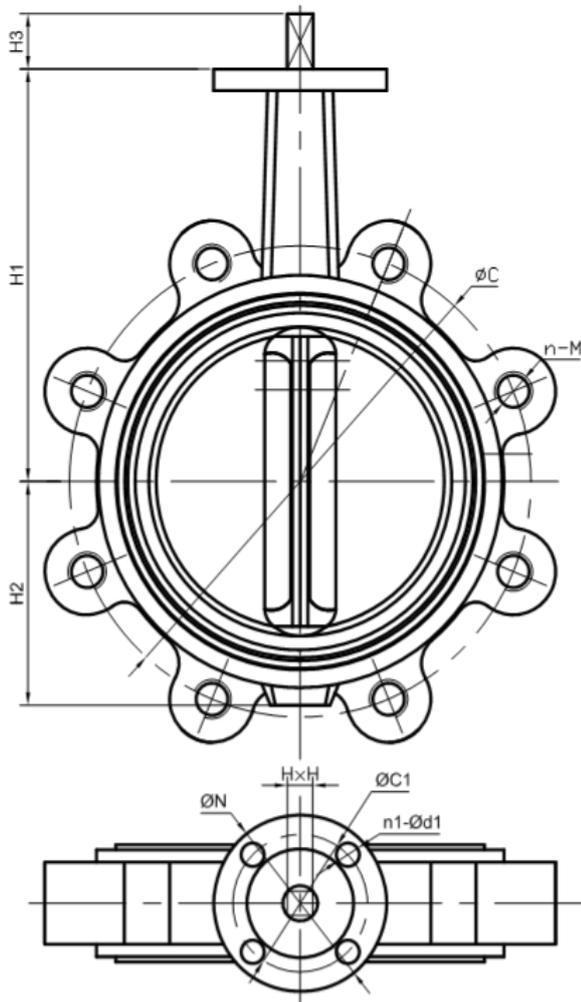
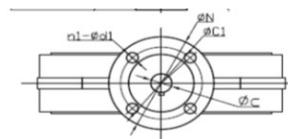
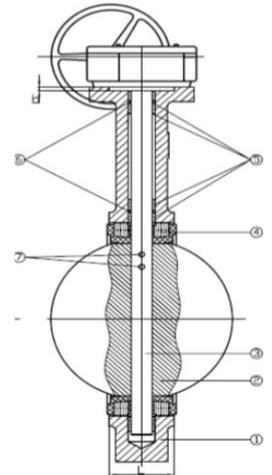
No.	Name	Material	Qty
1	Body	Cast Iron	1
2	Bushing	PTFE	5
3	O-Ring	EPDM	2
4	Stem	SS420	1
5	Disc	SS316	1
6	Seat	NBR *	1
7	Pin	SS304	2

NOMINAL PRESSURE		PN16
Test	Strength Test	2.4Mpa
Pressure	Sealing Test	1.76Mpa
Max Working Temp.		-10°C to + 90°C
Suitable Media		W.O.G etc.
* Denotes Available in NBR and EPDM		

Butterfly Valves Lugged Lever and Gear

*Available in Table D, Table E, ANSI ,
NBR and EPDM*

- 1.Design and manufacture according to API609.
- 2.Face to face according to API609.
- 3.Flange drilling according AS2129 T/E.
- 4.Top flange drilling according to ISO 5211.
- 5.Pressure test according to ISO5208.



Please Note:

Care should be taken when connecting wafer style butterfly valves with stub flanges. On some valves the mouth of the stub must be machined out slightly to allow full rotation of the butterfly plate when fully assembled. Where excessive material must be removed polyethylene tapered spacers must be used between the stub flange and the valve body.



AS2129 TABLE E											
Size	L	OC	n-M	H1	H2	H3	Flange No.	ON	OC1	n1-Od1	HXH
50	43	114	4-M16	55	143	29	F05	65	50	4-8	9x9
65	46	127	4-M16	64	155	29	F05	65	50	4-8	9x9
80	46	146	4-M16	72	162	29	F05	65	50	7-8	9x9
100	52	178	8-M16	90	181	29	F07	90	70	4-10	11x11
125	56	21	8-M16	101	179	29	F07	90	70	4-10	11x11
150	56	235	8-M20	114	210	29	F07	90	70	4-10	11x11
200	60	292	8-M20	145	240	35	F10	125	102	4-12	17x17
250	68	356	12-M20	178	286	35	F10	125	102	4-12	22x22
300	78	406	12-M24	204	309	35	F10	125	102	4-12	22x22

BUTTERFLY VALVE LUGGED GEAR

Size (mm)	Code
100	BVLNG100
150	BVLNG150
200	BVLNG200
250	BVLNG250
300	BVLNG300

BUTTERFLY VALVE LUGGED LEVER

Size (mm)	Code
50	BVLNL050
80	BVLNL080
100	BVLNL100
150	BVLNL150
200	BVLNL200
250	BVLNL250
300	BVLNL300

Top Flange

ISO 5211 top flange with square or round stem to adapt any type of actuators.

Body

Available in full lug and wafer styles designed for use between all kinds of flanges. Fully lugged body can be used for end of line services.

Seat

Cartridge style seat incorporates an elastomer bonded to a phenolic stabilizing ring, eliminates elastomer movement and reduces seat tearing or fatiguing, maintains low seating torque. Sealing isn't affected by extrusion. Cartridge style seat also permits easy change without special tools.

Disc

Disc edge is machined and polished well to assure leak-tight shut off while minimizing operating torque.

Shaft

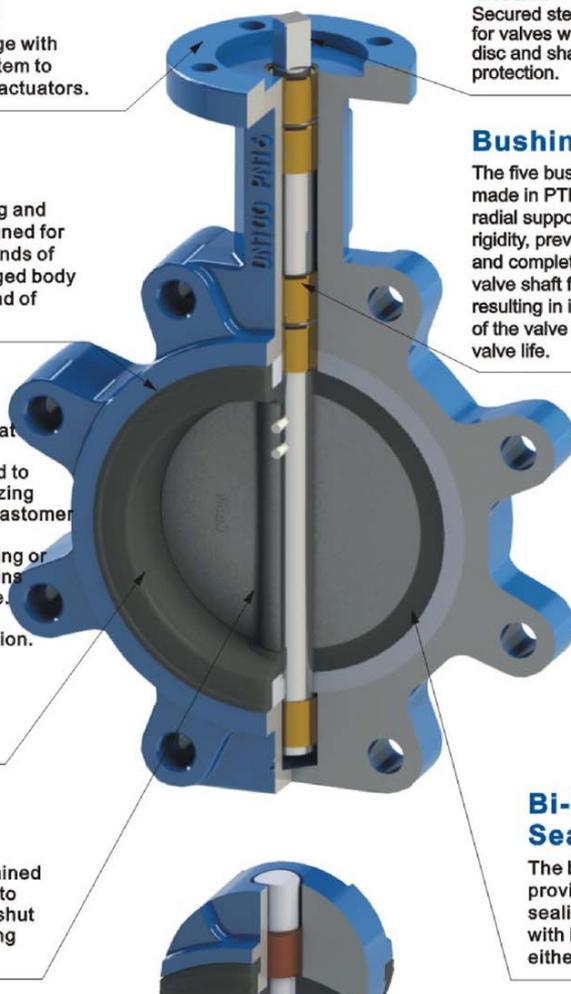
Secured stem retainer plate for valves without pin between disc and shaft as blowout-proof protection.

Bushing

The five bushing design made in PTFE for maximum radial support and shaft rigidity, prevent shaft deflection and completely isolates the valve shaft from the body, resulting in increased control of the valve disc and longer valve life.

Bi-Directional Sealing

The butterfly valve provides bi-directional sealing at full-rated with identical flow from either direction.



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LEVER WAFER BUTTERFLY VALVES

VALVES

DN	L	AS2129 TABLE E					ISO5211				
		ØC	n-Ød	H1	H2	H3	TOP	ØN	ØC1	n1-Ød1	ØZ
50	43	114	4-18	140	70	29	F05	65	50	4-Ø8	12.6
65	46	127	4-18	155	79	29	F05	65	50	4-Ø8	12.6
80	46	146	4-18	160	95	29	F05	65	50	4-Ø8	12.6
100	52	178	8-18	180	107	29	F07	90	70	4-Ø10	15.77
125	56	210	8-18	193	120	29	F07	90	70	4-Ø10	18.92
150	56	235	8-22	200	139	29	F07	90	70	4-Ø10	18.92
200	60	292	8-22	240	170	35	F10	125	102	4-Ø12	22.1
250	68	356	12-22	272	200	35	F10	125	102	4-Ø12	28.45
300	78	406	12-26	317	242	37	F10	125	102	4-Ø12	31.6

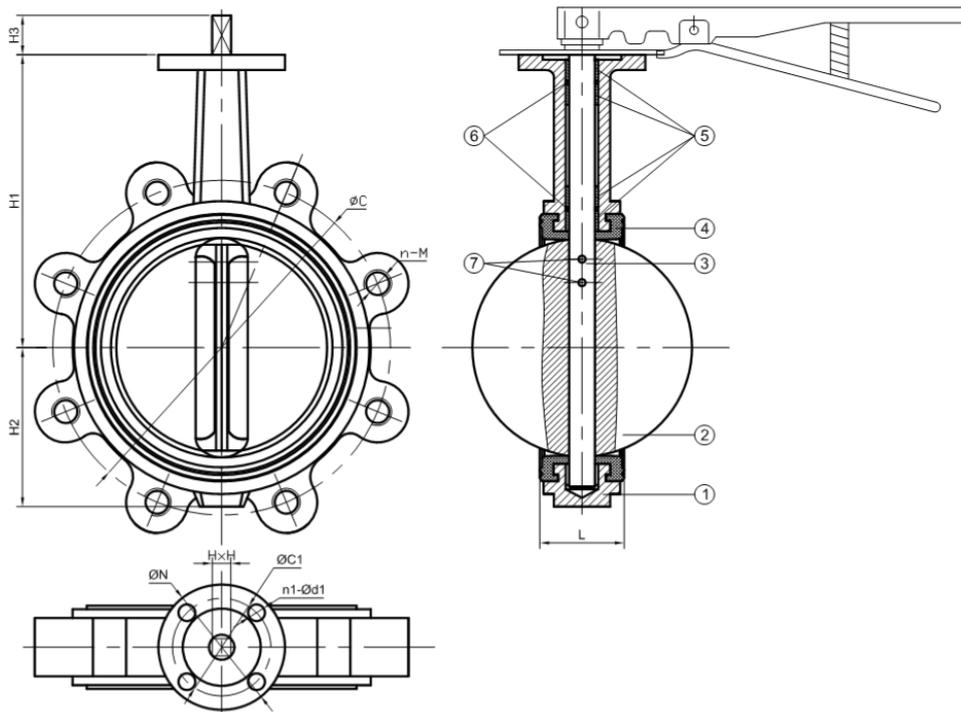
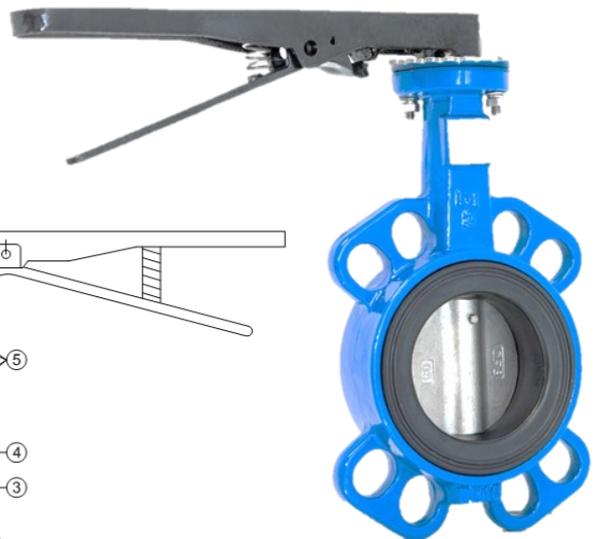
Size (mm)	Imperial Size	Code	Weight (KG)	Parts	Description	Material
50	2"	BVWNL050	3.22	1	Body	Cast Iron
65	2 1/2"	BVWNL065	5.00	2	Disc	SS316
80	3"	BVWNL080	4.60	3	Stem	S440
100	4"	BVWNL100	5.80	4	Seat	NBR*
125	5"	BVWNL125	8.00	5	Bushing	PTFE
150	6"	BVWNL150	9.50	6	O-Ring	EPDM
200	8"	BVWNL200	16.00	7	Pin	SS304
250	10"	BVWNL250	21.00			
300	12"	BVWNL300	35.00			

* Denotes Available in NBR and EPDM

NOMINAL PRESSURE

PN16

Test	Strength Test	2.4Mpa
Pressure	Sealing Test	1.76Mpa
Max Working Temp.		-10°C to + 90°C



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VALVES

WAFER DUAL DISC CHECK VALVES

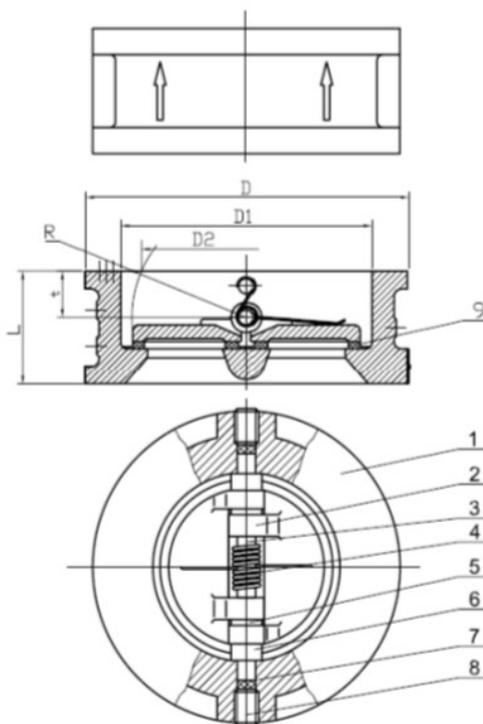
DN	D		D1	D2	L		R	t
	AS2129 T/E				DIN3202 K3			
80	128	94	70	64	42	27.7		
100	156	117	88	64	50	27.7		
125	187	145	115	70	64	30.3		
150	213	171	134	76	77	31.6		
200	267	224	182	89	102.5	32.9		
250	328	265	220	114	125	50.5		
300	375	310	260	114	146	43.3		
350	444	360	598	127	170	45.3		
400	495	410	350	140	195	52.3		
450	558	450	385	152	215	58.2		
500	615	505	438	152	238	58.3		

Size (mm)	Imperial Size	Code	Parts	Description	Material
50	2"	CVWDN050	1	Body	Cast iron
80	3"	CVWDN080	2	Disc	SS316
100	4"	CVWDN100	3	Stem	SS316
125	5"	CVWDN125	4	Spring	SS304
150	6"	CVWDN150	5	Washer	PTFE
200	8"	CVWDN200	6	Washer	PTFE
250	10"	CVWDN250	7	O-Ring	EPDM
300	12"	CVWDN300	8	Hex Nut	SS304
350	14"	CVWDN350	9	Seat	NBR*
400	16"	CVWDN400			
450	18"	CVWDN450			
500	20"	CVWDN500			
600	24"	CVWDN600			

* Denotes Available in NBR and EPDM

PRESSURE TEST TO AP1598

DN	PRESSURE RATING	TEST PRESSURE (Mpa)	
		Body	Seat
80-300	PN16	2.4	1.76
350-500	PN10	1.5	1.1



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WAFER SINGLE CHECK VALVE

VALVES

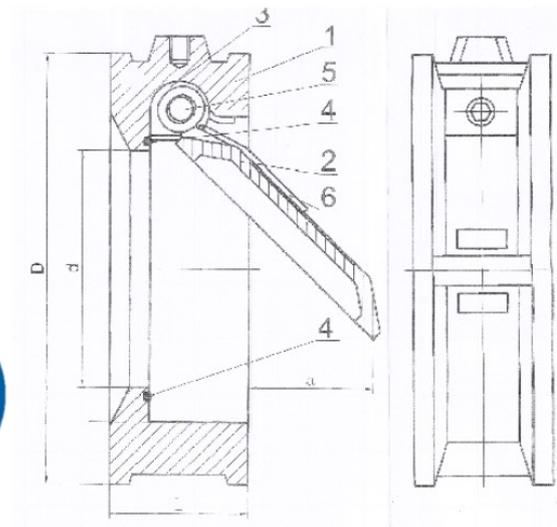
DN	L	D		
		AS2129 Table E		d
50	44.5	98	29	33
65	48	111	30	47
80	51	130	56	52
100	57	162	75	76
125	63.5	194	95	95
150	70	216	114	121
200	73	273	156	168
250	79	337	187	194
300	86	384	222	241
350	108	444	229	267
400	108	495	248	318
450	108	558	300	356
500	140	615	324	387
600	152	723	387	423

Size (mm)	Imperial Size	Code	Weight (KG)
50	2"	CVWSN050	1.44
65	2 1/2"	CVWSN065	1.94
80	3"	CVWSN080	2.69
100	4"	CVWSN100	4.20
125	5"	CVWSN125	5.87
150	6"	CVWSN150	7.80
200	8"	CVWSN200	11.63
250	10"	CVWSN250	19.90
300	12"	CVWSN300	26.59
350	14"	CVWSN350	49.80
400	16"	CVWSN400	65.48
450	18"	CVWSN450	80.00
500	20"	CVWSN500	103.73
600	24"	CVWSN600	179.50

No.	Name	Material	Specification
1	Body	Cast Iron	A126B
2	Disc	Stainless Steel	A351 CF8M
3	Stem	Stainless Steel	A351 CF8M
4	Seat	EPDM	
5	Hinge Pin	Stainless Steel	AISI 410
6	Spring	Stainless Steel	AISI 304

Features

- Ductile Iron
- PN10, PN16 working pressure
- EPDM or NBR rubber seals



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RUBBER EXPANSION JOINT

RUBBER EXPANSION JOINTS

Excellent Range of
Galvanised and
Stainless Steel
Rubber Expansion
Joints Table D, Table E,
ANSI , PN16



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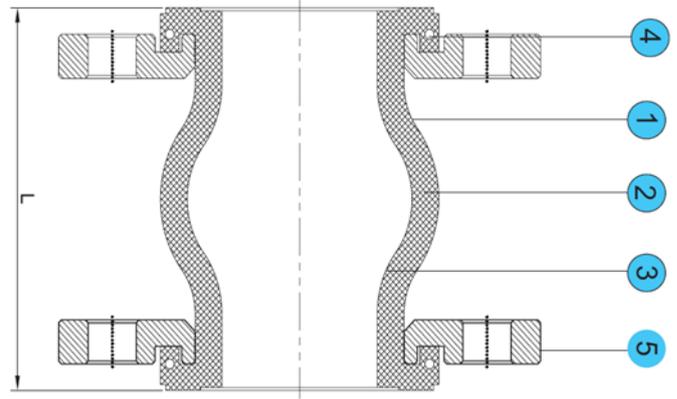
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SINGLE SPHERE



RUBBER EXPANSION JOINT



Parts	Description	Material
1	Cover	EPDM
2	Reinforcing Fabric	Nylon
3	Tube	EPDM
4	Retain Rings	Steel
5	Flange	Carbon Steel

Specification:	DN25 - DN300	DN350 +
	Burst Pressure (bar)	55 Bar

Features

- Allow for 4 way movement
- Precision moulded of synthetic rubber & nylon
- Excellent ability to absorb vibration and sound
- Perfect corrosion resistant
- Using floating flange, easy to install
- Suitable for Axial, Lateral or Angular movements



Isolate vibration and noise.

Rubber expansion joint can efficiently isolate vibration and noise, which is.....

Ideal for air conditioning and sanitary equipment, pumps, refrigerators, blowers, marine piping systems, feed water, drainage systems and such industries as chemical plants, shipbuilding, power generation, building and waste disposal plants

RUBBER EXPANSION JOINT TABLE D

EPDM	Nominal Diameter		Length	Allowable Movement (mm)				Max. Pressure Bar	Vacuum Mm Hg	Weight (KG)
	mm	inch		Axial Comp.	Axial Ext.	Lateral	Angular (°)			
REJD100	100	4	135	18	10	12	15°	16	660	7.1
REJD125	125	5	170	18	10	12	15°	16	660	9.7
REJD150	150	6	180	18	14	12	15°	16	660	13.2
REJD200	200	8	205	25	14	22	15°	16	660	16.9
REJD250	250	10	240	25	14	22	15°	10	660	24.2
REJD300	300	12	260	25	16	22	15°	10	660	33.4
REJD350	350	14	265	25	16	22	15°	10	660	42.8
REJD400	400	16	265	25	16	22	15°	7	660	51
REJD450	450	18	265	25	16	22	15°	7	660	63.2
REJD500	500	20	265	25	16	22	15°	7	660	85.7
REJD600	600	24	265	25	16	22	15°	7	660	107.1



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RUBBER EXPANSION JOINT

SINGLE SPHERE

RUBBER EXPANSION JOINT TABLE E

EPDM	NBR	SS316 EPDM	Nominal Diameter			Allowable Movement (mm)				Max. Pressure Bar	Vacuum Mm Hg	Weight (KG)
			mm	inch	Length	Axial Comp	Axial Ext.	Lateral	Angular (°)			
REJE025	-	-	25	1"	95	6	8	8	15°	16	660	3
REJE032	-	-	32	1 1/4"	95	8	4	8	15°	16	660	3
REJE040	-	-	40	1 1/2"	95	8	4	8	15°	16	660	3.7
REJE050	REJNE050	REJSE050	50	2"	105	8	5	8	15°	16	660	4.3
REJE065	REJNE065	REJSE065	65	2 1/2"	115	12	6	10	15°	16	660	5.4
REJE080	REJNE080	REJSE080	80	3"	130	12	6	10	15°	16	660	6.4
REJE100	REJNE100	REJSE100	100	4"	135	18	10	12	15°	16	660	7.1
REJE125	REJNE125	REJSE125	125	5"	170	18	10	12	15°	16	660	9.7
REJE150	REJNE150	REJSE150	150	6"	180	18	14	12	15°	16	660	13.2
REJE200	REJNE200	REJSE200	200	8"	205	25	14	22	15°	16	660	16.9
REJE250	REJNE250	REJSE250	250	10"	240	25	14	22	15°	10	660	24.2
REJE300	REJNE300	REJSE300	300	12"	260	25	16	22	15°	10	660	33.4
REJE350	REJNE350	REJSE350	350	14"	265	25	16	22	15°	10	660	42.8
REJE400	REJNE400	REJSE400	400	16"	265	25	16	22	15°	7	660	51
REJE450	REJNE450	REJSE450	450	18"	265	25	16	22	15°	7	660	63.2
REJE500	REJNE500	REJSE500	500	20"	265	25	16	22	15°	7	660	85.7
REJE600	REJNE600	REJSE600	600	24"	265	25	16	22	15°	7	660	107.1

Our Rubber expansion joints are made in accordance with the guidelines of the Fluid Sealing Association (FSA) Non-metallic Pressure Piping Expansion Joints.


RUBBER EXPANSION JOINTS B/FLANGE (ASME B16.5)

EPDM	NBR	Nominal Diameter			Allowable Movement (mm)				Max. Pressure Bar	Vacuum Mm Hg	Weight (KG)
		mm	inch	Length	Axial Comp.	Axial Ext.	Lateral	Angular (°)			
REJA025		25	1"	95	6	8	8	15°	16	660	3
REJA032		32	1 1/4"	95	8	4	8	15°	16	660	3
REJA040		40	1 1/2"	95	8	4	8	15°	16	660	3.7
REJA050	REJNA050	50	2	105	8	5	8	15°	16	660	4.3
REJA065	REJNA065	65	2 1/2"	115	12	6	10	15°	16	660	5.4
REJA080	REJNA080	80	3	130	12	6	10	15°	16	660	6.4
REJA100	REJNA100	100	4	135	18	10	12	15°	16	660	7.1
REJA125	REJNA125	125	5	170	18	10	12	15°	16	660	9.7
REJA150	REJNA150	150	6	180	18	14	12	15°	16	660	13.2
REJA200	REJNA200	200	8	205	25	14	22	15°	16	660	16.9
REJA250	REJNA250	250	10	240	25	14	22	15°	10	660	24.2
REJA300	REJNA300	300	12	260	25	16	22	15°	10	660	33.4
REJA350	REJNA350	350	14	265	25	16	22	15°	10	660	42.8
REJA400	REJNA400	400	16	265	25	16	22	15°	7	660	51
REJA450	REJNA450	450	18	265	25	16	22	15°	7	660	63.2
REJA500	REJNA500	500	20	265	25	16	22	15°	7	660	85.7
REJA600	REJNA600	600	24	265	25	16	22	15°	7	660	107.1

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Ductile Iron Fittings & Repair Clamps



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RESTRAINED COUPLING FOR HDPE PIPE

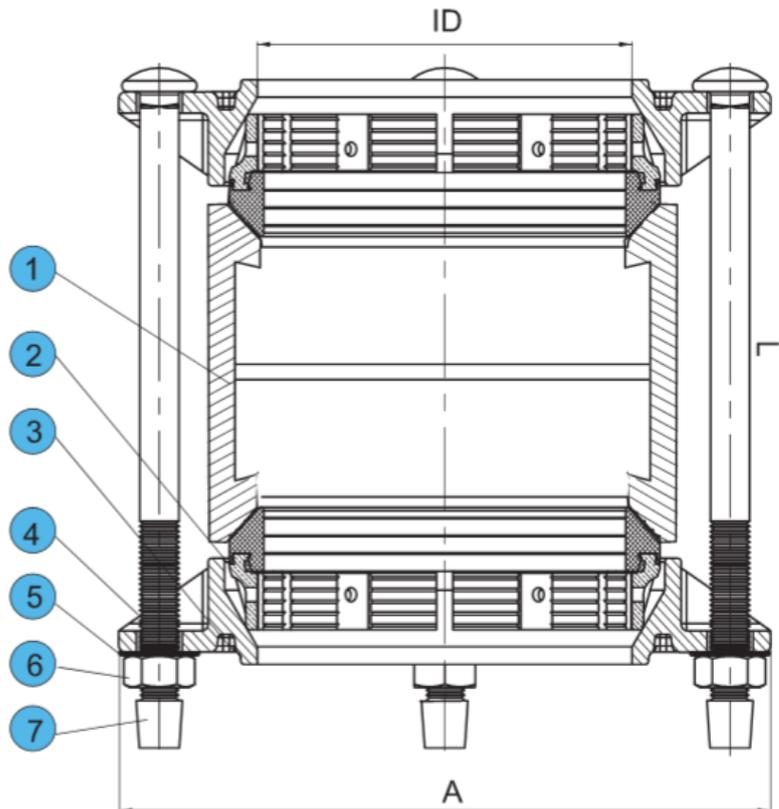
DUCTILE IRON FITTINGS

Code	Pipe OD	ID	A	L	Bolts Qty	Weight (KG)
RC050	50	55	140	95	2XM12	2.73
RC063	63	67	150	95	2XM12	3.41
RC075	75	80	150	95	2XM12	4.1
RC090	90	95	180	95	2XM12	4.58
RC110	110	115	200	95	2XM12	6.34
RC125	125	130	240	95	2XM12	7.8
RC160	160	165	270	95	2XM14	9.56
RC200	200	205	325	110	2XM14	15.11
RC225	225	230	325	135	2XM14	19.01
RC250	250	255	380	135	2XM16	27.3
RC280	280	285	380	135	2XM16	29.25
RC315	315	320	420	170	2XM16	43.88

No.	Parts Name	Material	Specification
1	Center Sleeve	Ductile Iron	GGG50
2	Sealing Ring	Rubber & Brass	EPDM & Brass
3	End Ring	Ductile Iron	GGG50
4	Bolts	Stainless Steel	ISO898-1:1999
5	Washer	Stainless Steel	
6	Nuts	Stainless Steel	ISO898-2:1992
7	Cap	Plastic	

Features

- Ductile Iron GGG50 material with FBE coated
- PN10, PN16 working pressure
- Equipped with Stainless Steel Bolts, Nuts & Washers
- EPDM or NBR rubber seals
- High Tolerance Mechanical Pipe Fittings
Angular Deflection +/-3°



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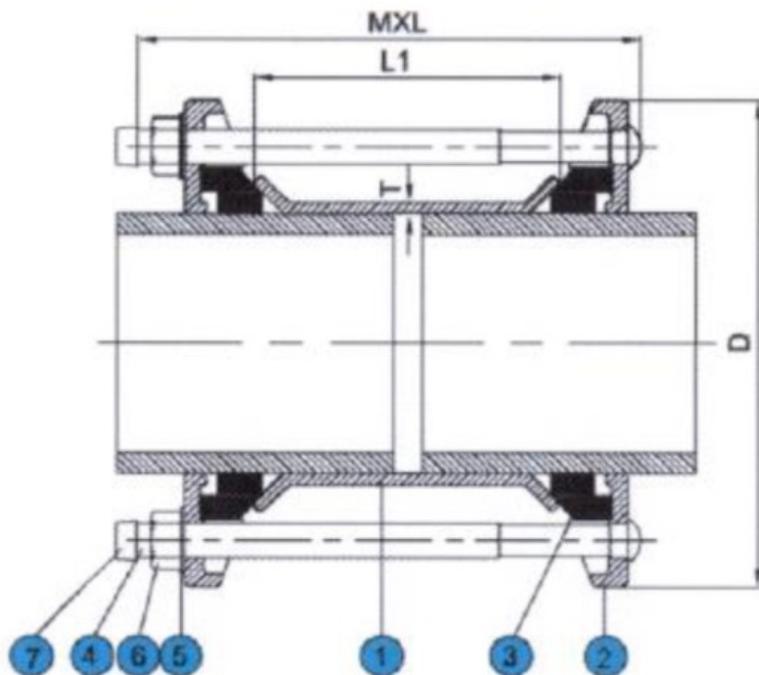
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DUCTILE IRON FITTINGS

UNIVERSAL COUPLING

DN	PIPE OD (mm)	D	L1		Bolt No-MXL		Weight (KG)	
			*S	*L	*S	*L	*S	*L
100	109-128	225	95	190	4-M12x180	4-M12x280	4.8	5.7
125	132-153	250	95	190	4-M12x180	4-M12x280	6.4	7
150	159-182	275	110	190	4-M12x220	4-M12x280	7.2	9.1
175	192-210	305	130	190	4-M12x220	4-M12x280	12	14.5
200	218-235	315	130	190	4-M12x220	4-M12x280	13.5	16.5
225	242-267	350	130	250	4-M12x220	4-M12x350	15	17.3
250	272-289	395	130	250	6-M12x220	6-M12x350	15	18.6
300	315-332	450	130	250	6-M12x220	6-M12x350	19	23.2
300	315-339	460	130	250	6-M12x220	6-M12x350	19	25.8

Size (DN)	Pipe OD (mm)	Code	Parts	Description	Material	Specification
100	109-128	UCSS109-128	1	Center Sleeve	Carbon Steel	S235JR
125	132-146	UCSS132-146	2	End Ring	Ductile Iron	GGG50
150	138-153	UCSS138-153	3	Rubber Seal	Rubber	EPDM
150	159-182	UCSS159-182	4	Bolt	Dacromet Coated Steel	ISO898-1:1999
175	192-210	UCSS192-210	5	Washer	Dacromet Coated Steel	
200	218-235	UCSS218-235	6	Nut	Dacromet Coated Steel	ISO898-2:1992
225	250-267	UCSS250-267	7	Cap	Plastic	
250	272-289	UCSS272-289				
300	315-332	UCSS315-332				
300	322-339	UCSS322-339				



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RESTRAINED FLANGE ADAPTOR

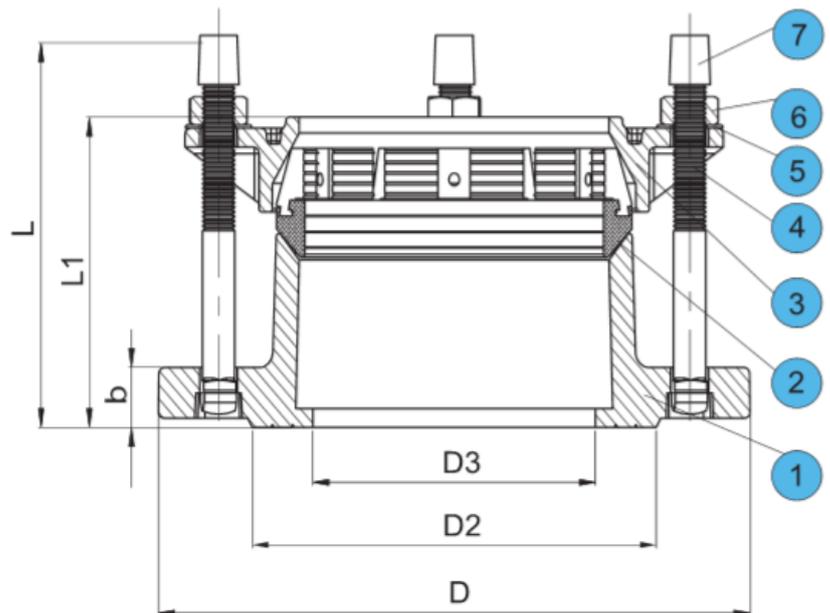
DUCTILE IRON FITTINGS

Code	Size	Pipe OD	D3	D	b	L1	L	Bolts Qty	DIN EN PN10/PN16	Weight (KG)
RFA050	DN50	50	50	165	19	63	115	2XM12	●	3.61
RFA063	DN50/DN60/DN65	63	55	180	19	63	115	2XM12	●	4.29
RFA075	DN60/DN65	75	66	180	19	63	115	2XM12	●	4.39
RFA090	DN80	90	84	180	19	63	115	2XM12	●	4.58
RFA110	DN100	110	105	200	19	63	115	2XM12	●	6.44
RFA125	DN125	125	135	220	19	63	115	2XM12	●	6.63
RFA160	DN150	160	154	285	19	63	115	2XM12	●	8.39
RFA200	DN200	200	210	340	19	63	140	2XM14	●	13.75
RFA225	DN200	225	210	340	20	88	160	2XM14	●	14.72
RFA250	DN250	20	260	400	22	88	160	2XM16	●	23.89
RFA280	DN250	280	275	400	22	88	160	2XM16	●	24.38
RFA315	DN300	315	302	455	24	88	160	2XM16	●	27.89

Parts	Description	Material	Specification
1	Body	Ductile Iron	GGG50
2	Sealing ring	Rubber & Brass	EPDM & Brass
3	End ring	Ductile Iron	GGG50
4	Bolts	Stainless Steel	ISO898-1:1999
5	Washer	Stainless Steel	
6	Nut	Stainless Steel	ISO898-2:1992
7	Cap	Plastic	

Features

- Ductile Iron GGG50 material with FBE coated
- PN10, PN16 working pressure
- Equipped with Stainless Steel Bolts, Nuts & Washers
- EPDM or NBR rubber seals
- High Tolerance Mechanical Pipe Fittings
Angular Deflection +/-3°



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DUCTILE IRON FITTINGS

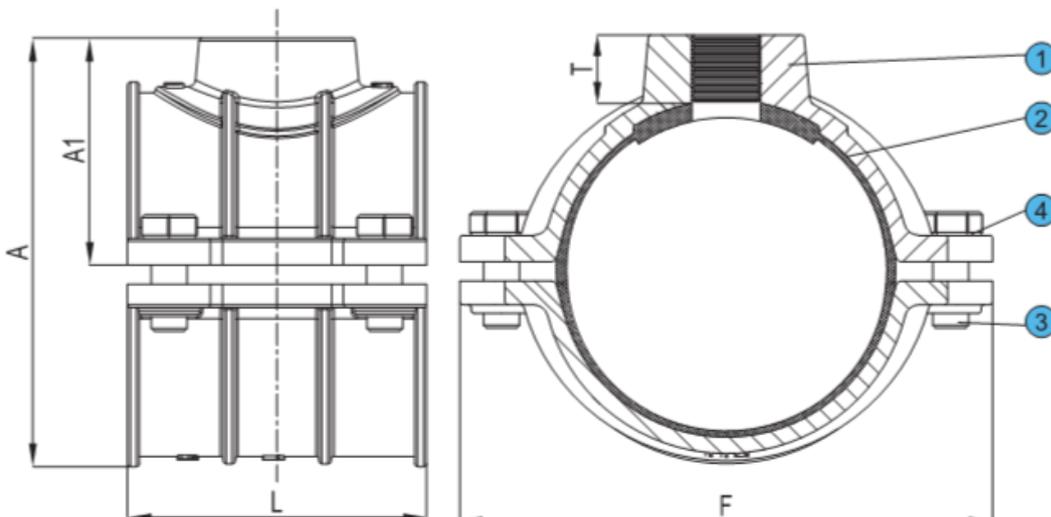
SADDLE CLAMP

Pipe OD	D	Code		L	A	A1	F	T	Bolt Size	Weight (KG)
40	3/4"-1"	TSD040X3/4"	TSD040X1"	70	74	43	100	18	M8*30	1.1
50	3/4"-1"	TSD050X3/4"	TSD050X1"	80	84	48	114	18	M10*35	1.7
63	1"-2"	TSD063X1"	TSD063X2"	90	97	54	127	18	M10*35	1.8
75	1"-2"	TSD075X1"	TSD075X2"	100	110	61	144	18	M10*35	2.2
90	1"-2"	TSD090X1"	TSD090X2"	100	124	70	156	20	M10*35	2.5
110	1"-2"	TSD110X1"	TSD110X2"	100	144	80	178	20	M10*35	3
125	2"	TSD125X2"	TSD125X2"	110	160	90	197	20	M12*35	3.3
140	2"	TSD140X2"	TSD140X2"	125	176	97	212	20	M12*35	4.5
160	2"	TSD160X2"	TSD160X2"	125	198	109	233	20	M12*35	5.2
200	2"-3"	TSD200X2"	TSD200X3"	140	240	131	282	20	M14*40	6.6
225	2"-3"	TSD225X2"	TSD225X3"	125	266	144	307	20	M14*40	9.5
250	2"-3"	TSD250X2"	TSD250X3"	140	291	156	334	20	M14*40	10.5
315	2"-3"	TSD315X2"	TSD315X3"	140	356	189	400	20	M14*40	14.5

No.	Name	Material	Specification
1	Body	Ductile Iron	GG50
2	Gasket	Rubber	EPDM
3	Bolt	Stainless Steel	ISO898-1:1999
4	Washer	Stainless Steel	

Features

- Ductile Iron GGG50 material with Australian coating
- PN10, PN16 working pressure
- Equipped with Stainless Steel Bolts, Nuts & Washers
- EPDM or NBR rubber seals



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Code	O.D Range (mm)	Pressure (Bar) Water	No. of Band	Length (mm)
SBRC075200	75-85	16	1	150-600
SBRC088200	88-98	16	1	150-600
SBRC095200	95-105	16	1	150-600
SBRC108200	108-118	16	1	150-600
SBRC115200	115-128	16	1	150-600
SBRC126200	126-136	16	1	150-600
SBRC132200	132-142	16	1	150-600
SBRC151200	151-161	16	1	150-600
SBRC158200	158-172	16	1	150-600
SBRC168200	168-182	16	1	150-600
SBRC179200	179-189	16	1	150-600
SBRC193200	193-203	16	1	150-600
SBRC202200	202- 212	16	1	150-600
SBRC217200	217-229	16	1	150-600
SBRC225200	225-240	10	1	150-600
SBRC243300	243-260	10	1	150-600
SBRC270300	270-288	10	1	150-600
SBRC288300	288-310	10	1	150-600
SBRC304400	304-323	10	1	150-600
SBRC323400	323-336	10	1	150-600
SBRC340400	340-360	10	1	150-600



Material and Relevant Standards:

Main Parts:

- Body, Bridge Plate, Lockable Plate, Bolts, Nuts , Washers are all Stainless Steel AISI304 (A2)

Gasket

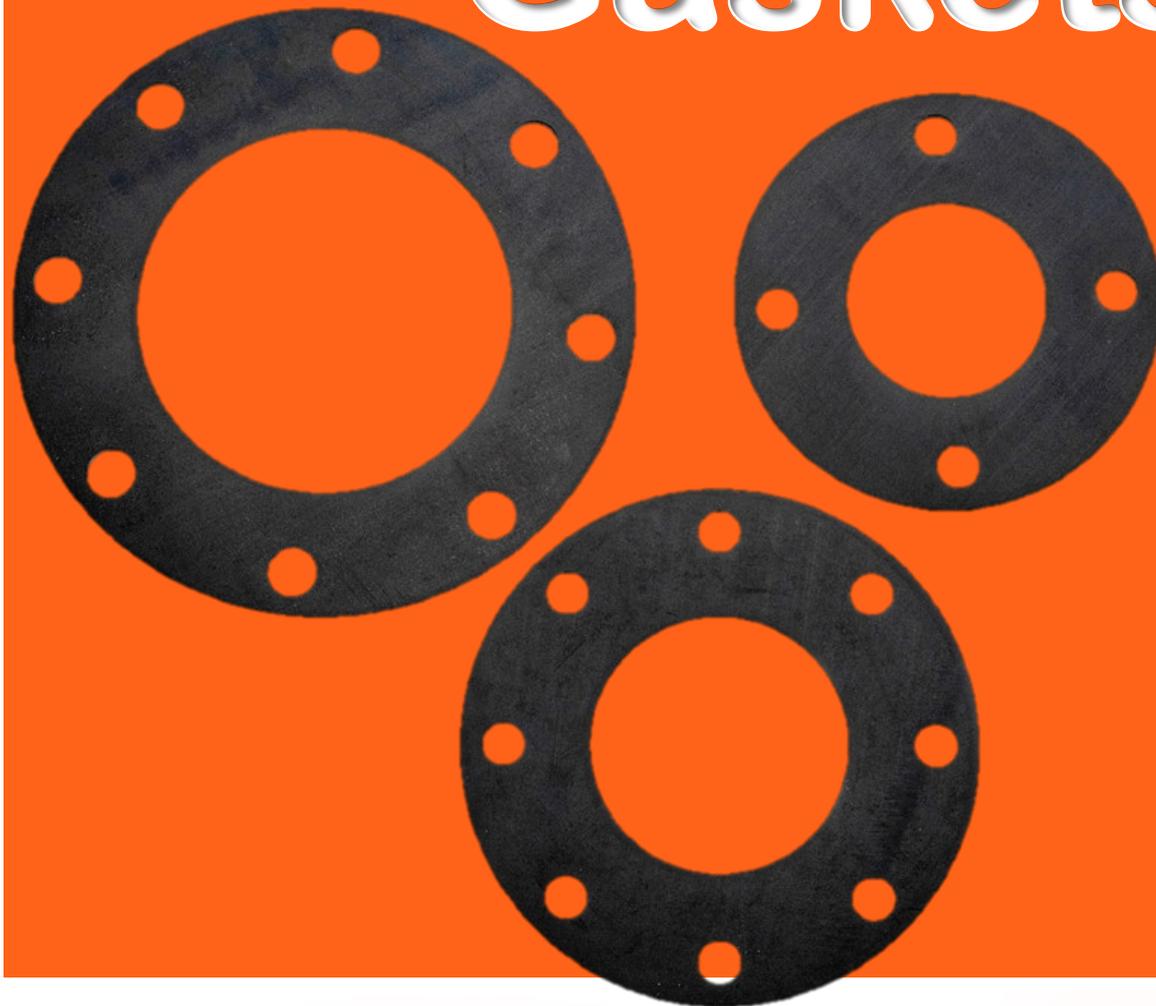
- EPDM for normal application, NBR, SILICONE, VITON for option
- EDPM to BS EN681-1/ NBR to EN682
- Our rubber had approved by WRAS (UK)

Lug

- Stainless Steel to AISI 304 (A2)

GASKETS

Gaskets



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FULL FACED NATURAL RUBBER INSERTION

Size (mm)	Imperial Size	Table D	Table E	ANSI 150
20	3/4"	GFND/E020	GFND/E020	GFNA020
25	1"	GFND/E025	GFND/E025	GFNA025
32	1 1/4"	GFND/E032	GFND/E032	GFNA032
40	1 1/2"	GFND/E040	GFND/E040	GFNA040
50	2"	GFND/E050	GFND/E050	GFNA050
60	2 1/4"	GFND/E065	GFND/E065	GFNA60
80	3"	GFND/E080	GFNE080	GFNA80
100	4"	GFND100	GFNE100	GFNA100
125	5"	GFND125	GFNE125	GFNA125
150	6"	GFND150	GFNE150	GFNA150
200	8"	GFND200	GFNE200	GFNA200
250	10"	GFND250	GFNE250	GFNA250
300	12"	GFND300	GFNE300	GFNA300
355	14"	GFND350	GFNE350	GFNA355
400	16"	GFND400	GFNE400	GFNA400
450	18"	GFND450	GFNE450	GFNA450
500	20"	GFND500	GFNE500	GFNA500
560	22"	GFND550	GFNE550	GFNA560
600	24"	GFND600	GFNE600	GFNA600
700	28"	GFND700	GFNE700	GFNA600
800	32"	GFND800	GFNE800	
900	36"	GFND900	GFNE900	

FULL FACED RUBBER EPDM

Size (mm)	Imperial Size	Table D	Table E	ANSI 150
20	3/4"	GFED/E020	GFED/E020	
25	1"	GFED/E025	GFED/E025	GFEA025
32	1 1/4"	GFED/E032	GFED/E032	GFEA032
40	1 1/2"	GFED/E040	GFED/E040	GFEA040
50	2"	GFED/E050	GFED/E050	GFEA050
60	2 1/4"	GFED/E065	GFED/E065	GFEA065
80	3"	GFED/E080	GFED/E080	GFEA080
100	4"	GFED100	GFEE100	GFEA100
125	5"	GFED125	GFEE125	GFEA125
150	6"	GFED150	GFEE150	GFEA150
180	7"			GFEA180
200	8"	GFED200	GFEE200	GFEA200
225	9"			GFEA225
250	10"	GFED250	GFEE250	GFEA250
280	11"			GFEA280
300	12"	GFED300	GFEE300	GFEA300
355	14"	GFED350	GFEE350	GFEA355
400	16"	GFED400	GFEE400	GFEA400
450	18"	GFED450	GFEE450	GFEA450
500	20"	GFED500	GFEE500	GFEA500
560	22"	GFED550	GFEE550	GFEA560
600	24"	GFED600	GFEE600	GFEA600
700	28"	GFED700	GFEE700	
800	32"	GFED800	GFEE800	
900	36"	GFED900	GFEE900	
1000	40"	GFED1000	GFEE1000	



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POLY STUB NATURAL RUBBER INSERTION

Size (mm)	Imperial Size	Table D	Table E	ANSI 150
40	1 1/2"	GSND/E040	GSND/E040	GSNA040
50	2"	GSND/E050	GSND/E050	GSNA050
60	2 1/4"	GSND/E065	GSND/E065	GSNA060
80	3"	GSND/E080	GSND/E080	GSNA080
100	4"	GSND100	GSNE100	GSNA100
125	5"	GSND125	GSNE125	GSNA125
125	5"	GSND125-140	GSNE125-140	GSNA125-140
150	6"	GSND150	GSNE150	GSNA150
150	6"	GSND150-180	GSNE150-180	GSNA150-180
200	8"	GSND200	GSNE200	GSNA200
200	8"	GSND200-225	GSNE200-225	GSNA200-225
250	10"	GSND250	GSNE250	GSNA250
250	10"	GSND250-280	GSNE250-280	GSNA250-280
300	12"	GSND300	GSNE300	GSNA300
355	14"	GSND350	GSNE350	GSNA355
400	16"	GSND400	GSNE400	GSNA400
450	18"	GSND450	GSNE450	GSNA450
500	20"	GSND500	GSNE500	GSNA500
560	22"	GSND550	GSNE550	GSNA560
600	24"	GSND600	GSNE600	GSNA600
700	28"	GSND700		

POLY STUB RUBBER EPDM

Size (mm)	Imperial Size	Table D	Table E	ANSI 150
40	1 1/2"	GSED/E040	GSED/E040	GSEA040
50	2"	GSED/E050	GSED/E050	GSEA050
60	2 1/4"	GSED/E065	GSED/E065	GSEA060
80	3"	GSED/E080	GSED/E080	GSEA080
100	4"	GSED100	GSEE100	GSEA100
125	5"	GSED125	GSEE125	GSEA125
125	5"	GSED125-140	GSEE125-140	GSEA125-140
150	6"	GSED150	GSEE150	GSEA150
150	6"	GSED150-180	GSEE150-180	GSEA150-180
200	8"	GSED200	GSEE200	GSEA200
200	8"	GSED200-225	GSEE200-225	GSEA200-225
250	10"	GSED250	GSEE250	GSEA250
250	10"	GSED250-280	GSEE250-280	GSEA250-280
300	12"	GSED300	GSEE300	GSEA300
355	14"	GSED350	GSEE350	GSEA355
400	16"	GSED400	GSEE400	GSEA400
450	18"	GSED450	GSEE450	GSEA450
500	20"	GSED500	GSEE500	GSEA500
560	22"	GSED550	GSEE550	GSEA560
600	24"	GSED600	GSEE600	GSEA600
700	28"	GSED700		
800	32"	GSED800		
900	36"	GSED900		
1000	40"	GSED1000		



CALCULATING BOLT LENGTH

BOLTS, NUTS & WASHERS

Calculating the required bolt length of a stub flange system is dependent on the dimensions of the components shown in the above picture. This catalogue shows Stub (TS), Flange (TF) and Gasket (TG) thicknesses.

Metric Bolts are used with Table D and E, PN16 and PN21 flanges. These bolts have a fixed thread length and selecting the right length of bolt is important to ensure the nut has sufficient length to tighten the system.

The minimum length of the bolt must be greater than the thickness of all components combined while allowing sufficient thread for the nut to tighten onto.

$$L_B - L_T > T_F + T_S + T_G + T_M$$

The maximum length of the bolt must ensure that the nut doesn't bottom out on the thread of the bolt before sufficiently tightening system. Usually 1.5x the nut length is allowed for tightening.

$$L_B - (1.5 \times T_N) < T_F + T_S + T_G + T_M$$

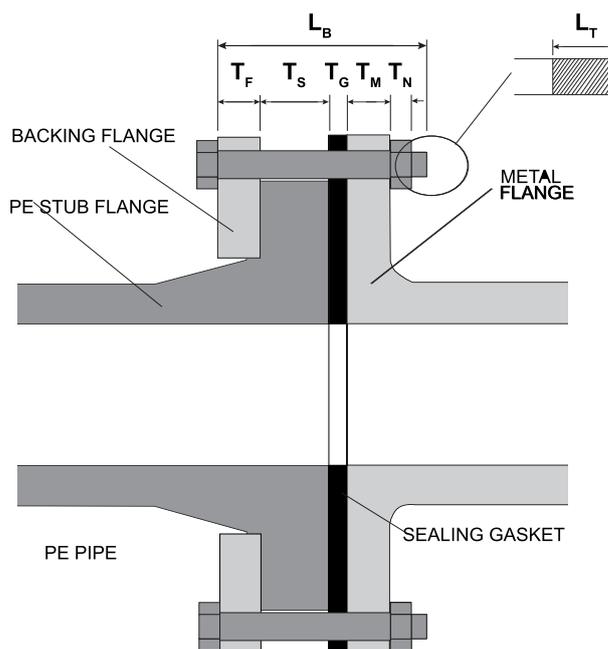
Metric Studs are typically used instead of bolts with PN35 flanges. Studs are threaded along the entire length and there is, therefore, no maximum length.

The maximum length of the stud is determined by the same method as for Bolts.

Lengths listed in this catalogue are theoretical and have not made any provision for system compression or any tolerances. Please consult the relevant standards to ensure that the selected bolts are suitable for your application.

Bolt Type	Nut Length	Thread Length
M12	10.8	27
M16	14.8	37
M20	18	45
M24	21.5	53.75
M27	24	60
M30	25.6	64
1/2"	10.8	27
5/8"	14.8	37

T_S = STUB THICKNESS
 T_G = GASKET THICKNESS
 L_B = BOLT LENGTH
 L_T = THREAD LENGTH
 T_M = MATING FLANGE THICKNESS
 T_F = FLANGE THICKNESS



Please Note:

For a more comprehensive range please call our team for a quote.

GWG Valves and Poly Fittings supply a large range of Nut/Bolt/Washer and Gasket Kits to suit most applications such as sealing hot and cold water, gas, oil, steam. Gaskets are available in Table D and E, ANSI, AS4087 and available in EPDM, Insertion Rubber but not limited to these please call if you require purpose made.

Our Commercial Bolts come Galvanised and Stainless Steel hexagonal heads in Metric, Imperial and Structural. All kits are tailor made to suit your individual needs to ensure you are not caught out without everything at your fingertips.



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BOLTS NUTS & WASHERS



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GALVANISED BOLTS & NUTS

BOLTS, NUTS & WASHERS

M10		M12		M16		M20		M24	
Size (mm)	Code								
20	BGM10-020	25	BGM12-025	25	BGM16-025	40	BGM20-040	50	BGM24-050
25	BGM10-025	30	BGM12-030	30	BGM16-030	50	BGM20-050	60	BGM24-060
30	BGM10-030	35	BGM12-035	40	BGM16-040	60	BGM20-060	70	BGM24-070
35	BGM10-035	40	BGM12-040	50	BGM16-050	65	BGM20-065	80	BGM24-080
40	BGM10-040	45	BGM12-045	60	BGM16-060	70	BGM20-070	90	BGM24-090
45	BGM10-045	50	BGM12-050	65	BGM16-065	75	BGM20-075	100	BGM24-100
50	BGM10-050	55	BGM12-055	70	BGM16-070	80	BGM20-080	110	BGM24-110
55	BGM10-055	60	BGM12-060	75	BGM16-075	85	BGM20-085	120	BGM24-120
60	BGM10-060	65	BGM12-065	80	BGM16-080	90	BGM20-090	130	BGM24-130
65	BGM10-065	70	BGM12-070	90	BGM16-090	100	BGM20-100	140	BGM24-140
70	BGM10-070	75	BGM12-075	100	BGM16-100	110	BGM20-110	150	BGM24-150
75	BGM10-075	80	BGM12-080	110	BGM16-110	120	BGM20-120	160	BGM24-160
80	BGM10-080	90	BGM12-090	120	BGM16-120	130	BGM20-130	180	BGM24-180
90	BGM10-090	100	BGM12-100	130	BGM16-130	140	BGM20-140	200	BGM24-200
100	BGM10-100	110	BGM12-110	140	BGM16-140	150	BGM20-150	220	BGM24-220
110	BGM10-110	120	BGM12-120	150	BGM16-150	160	BGM20-160	240	BGM24-240
120	BGM10-120	130	BGM12-130	160	BGM16-160	170	BGM20-170	260	BGM24-260
130	BGM10-130	140	BGM12-140	170	BGM16-170	180	BGM20-180	280	BGM24-280
140	BGM10-140	150	BGM12-150	180	BGM16-180	200	BGM20-200	300	BGM24-300
150	BGM10-150	160	BGM12-160	200	BGM16-200	220	BGM20-220	350	BGM24-350
170	BGM10-170	170	BGM12-170	220	BGM16-220	240	BGM20-240	375	BGM24-375
180	BGM10-180	180	BGM12-180	225	BGM16-225	260	BGM20-260	400	BGM24-400
200	BGM10-200	200	BGM12-200	240	BGM16-240	280	BGM20-280	450	BGM24-450
220	BGM10-220	220	BGM12-220	270	BGM16-270	300	BGM20-300	500	BGM24-500
240	BGM10-240	240	BGM12-240	280	BGM16-280	325	BGM20-325	550	BGM24-550
260	BGM10-260	260	BGM12-260	300	BGM16-300	350	BGM20-350	600	BGM24-600
280	BGM10-280	280	BGM12-280	325	BGM16-325	375	BGM20-375		
300	BGM10-300	300	BGM12-300	350	BGM16-350	400	BGM20-400		
		350	BGM12-350	375	BGM16-375	450	BGM20-450		
		400	BGM12-400	400	BGM16-400	500	BGM20-500		
		550	BGM12-550	425	BGM16-425	550	BGM20-550		
				450	BGM16-450	600	BGM20-600		
				500	BGM16-500	650	BGM20-650		
				550	BGM16-550				
				600	BGM16-600				
				650	BGM16-650				
M27		M30							
Size (mm)	Code	Size (mm)	Code						
90	BGM27-090	75	BGM30-075						
100	BGM27-100	90	BGM30-090						
110	BGM27-110	100	BGM30-100						
130	BGM27-130	110	BGM30-110						
140	BGM27-140	120	BGM30-120						
150	BGM27-150	130	BGM30-130						
180	BGM27-180	140	BGM30-140						
200	BGM27-200	150	BGM30-150						
		180	BGM30-180						
		200	BGM30-200						
		260	BGM30-260						
		300	BGM30-300						



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M10

Size (mm)	Code
40	BS316M10-040
45	BS316M10-045
50	BS316M10-050
55	BS316M10-055
60	BS316M10-060
65	BS316M10-065
70	BS316M10-070
75	BS316M10-075
80	BS316M10-080
90	BS316M10-090
100	BS316M10-100
110	BS316M10-110
120	BS316M10-120
130	BS316M10-130
140	BS316M10-140
150	BS316M10-150
160	BS316M10-160
180	BS316M10-180
200	BS316M10-200
240	BS316M10-240

M12

Size (mm)	Code
40	BS316M12-040
45	BS316M12-045
50	BS316M12-050
55	BS316M12-055
60	BS316M12-060
65	BS316M12-065
70	BS316M12-070
75	BS316M12-075
80	BS316M12-080
90	BS316M12-090
100	BS316M12-100
110	BS316M12-110
120	BS316M12-120
130	BS316M12-130
140	BS316M12-140
150	BS316M12-150
160	BS316M12-160
180	BS316M12-180
200	BS316M12-200
210	BS316M12-210
220	BS316M12-220
240	BS316M12-240

M16

Size (mm)	Code
70	BS316M16-070
75	BS316M16-075
80	BS316M16-080
90	BS316M16-090
100	BS316M16-100
110	BS316M16-110
120	BS316M16-120
130	BS316M16-130
140	BS316M16-140
150	BS316M16-150
160	BS316M16-160
180	BS316M16-180
200	BS316M16-200
220	BS316M16-220
240	BS316M16-240

M20

Size (mm)	Code
60	BS316M20-060
65	BS316M20-065
70	BS316M20-070
75	BS316M20-075
80	BS316M20-080
90	BS316M20-090
100	BS316M20-100
110	BS316M20-110
120	BS316M20-120
130	BS316M20-130
140	BS316M20-140
150	BS316M20-150
160	BS316M20-160
180	BS316M20-180
200	BS316M20-200

M24

Size (mm)	Code
70	BS316M24-070
75	BS316M24-075
80	BS316M24-080
90	BS316M24-090
100	BS316M24-100
110	BS316M24-110
120	BS316M24-120
130	BS316M24-130
140	BS316M24-140
150	BS316M24-150
160	BS316M24-160
180	BS316M24-180
200	BS316M24-200
250	BS316M24-250

M27

Size (mm)	Code
100	BS316M27-100
110	BS316M27-110
120	BS316M27-120
130	BS316M27-130
140	BS316M27-140
150	BS316M27-150
160	BS316M27-160
170	BS316M27-170

M30

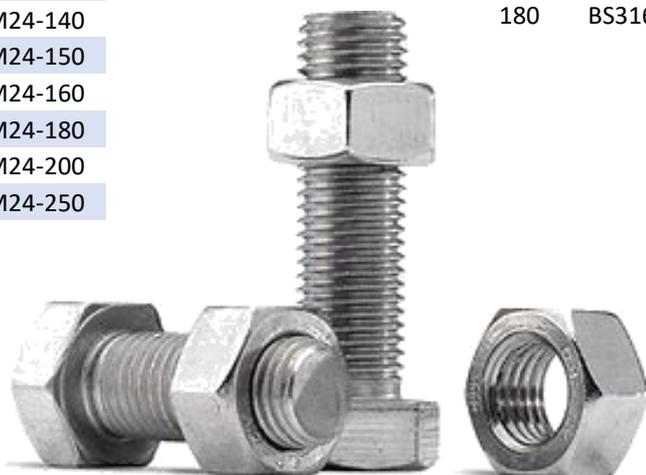
Size (mm)	Code
90	BS316M30-090
100	BS316M30-100
110	BS316M30-110
120	BS316M30-120
130	BS316M30-130
140	BS316M30-140
150	BS316M30-150
160	BS316M30-160
180	BS316M30-180

M33

Size (mm)	Code
100	BS316M33-100
110	BS316M33-110
120	BS316M33-120
130	BS316M33-130
140	BS316M33-140
160	BS316M33-160
180	BS316M33-180

SS316 NUT

Size (mm)	Code
10	NS316M10
12	NS316M12
14	NS316M14
16	NS316M16
20	NS316M20
24	NS316M24
27	NS316M27
30	NS316M30
33	NS316M33



BOLT, WASHERS & THREADED ROD

BOLTS, NUTS & WASHERS

STRUCTURAL ASSEMBLY BOLTS G8.8 ARE AVAILABLE IN THE FOLLOWING SIZES

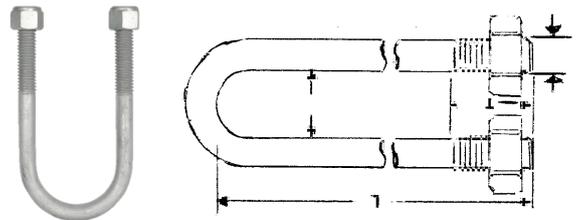
Diameter		Length			
M10	M24	30	65	120	200
M12	M30	40	70	130	240
M16	M36	45	80	140	260
M20		50	90	150	280
		55	100	160	300
		60	110	180	

THREADED ROD

Size (mm)	Code
M10 x 1M	M10 x 1M Gal Threaded Rod
M10 x 3M	M10 x 3M Gal Threaded Rod
M12 x 1M	M12 x 1M Gal Threaded Rod
M12 x 3M	M12 x 3M Gal Threaded Rod
M16 x 1M	M16 x 1M Gal Threaded Rod
M16 x 3M	M16 x 3M Gal Threaded Rod
M20 x 1M	M20 x 1M Gal Threaded Rod
M20 x 3M	M20 x 3M Gal Threaded Rod
M24 x 1M	M24 x 1M Gal Threaded Rod
M24 x 3M	M24 x 3M Gal Threaded Rod
M30 x 1M	M30 x 1M Gal Threaded Rod
M30 x 3M	M30 x 3M Gal Threaded Rod

WASHERS

Size (mm)	GALVANISED Code	STAINLESS STEEL 316 Code
10	WFGM10	WFS316M10
12	WFGM12	WFS316M12
16	WFGM16	WFS316M16
20	WFGM20	WFS316M20
24	WFGM24	WFS316M24
27	WFGM27	WFS316M27
30	WFGM30	WFS316M30
33		WFS316M33



GALVANISED U-BOLTS

Code (mm)	A (mm)	Nominal Bore (mm)	W (mm)	L (mm)	T (mm)	Weight (kg)
UBK015-021	M10	15	21	65	40	0.966
UBK020-027	M10	20	27	77	50	0.1112
UBK025-034	M10	25	34	85	50	0.1208
UBK032-043	M10	32	43	93	50	0.131
UBK040-048	M10	40	48	100	50	0.1418
UBK040-051	M10	40	51	103	50	0.1432
UBK050-060	M10	50	60	110	50	0.152
UBK065-076	M12	65	76	127	50	0.2552
UBK080-089	M12	80	89	140	50	0.2772
UBK090-102	M12	90	102	152	50	0.2988
UBK100-114	M12	100	114	165	50	0.322
UBK125-140	M12	125	140	190	50	0.368
UBK150-165	M12	150	165	215	50	0.413
UBK150-168	M12	150	168	220	50	0.420
UBK200-219	M16	200	219	295	75	1.024
UBK250-273	M20	250	273	370	100	2.012
UBK300-324	M20	300	324	420	100	2.260
UBK350-356	M20	350	356	455	100	2.470
UBK400-406	M20	400	406	505	100	2.720
UBK450-457	M24	450	457	555	100	4.350
UBK500-508	M24	500	508	605	100	4.800
UBK600-610	M24	600	610	710	100	5.540



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POLYETHYLENE PIPE

GWG Valves and Poly Fittings also supply a large range of HDPE (PE100) pipe ranging in sizes from 20mm to 630mm HDPE. The smallest size pipes are available in coils where as the larger pipe can be supplied in 6m, 12m and sometimes 20m lengths.

All our pipe is Australian made to the highest standards AS/NZS 4130 available for use in Mines, Civil works, Sewer and Waste Water, Domestic Water, Irrigation, Aquaculture, Process pipework and Slurry lines to name a few. The pipe is available in a range of pressure ratings such a PN 4, PN 6.3, PN10, PN12.6, PN16 and PN20.

6 METRE SUCTION LINE WITH STRAIGHT FLANGED TABLE D BACKING

Size	SDR17 Code	Size	SDR11 Code
90	FP1709006DEG2	90	FP1109006DEG2
110	FP1711006DG2	110	FP1111006DG2
125	FP1712506DG2	125	FP1112506DG2
160	FP1716006DG2	160	FP1116006DG2
180	FP1718006DG2	180	FP1118006DG2
200	FP1720006DG2	200	FP1120006DG2
225	FP1722506DG2	225	FP1122506DG2
250	FP1725006DG2	250	FP1125006DG2
280	FP1728006DG2	280	FP1128006DG2
315	FP1731506DG2	315	FP1131506DG2
355	FP1735506DG2	355	FP1135506DG2
400	FP1740006DG2	400	FP1140006DG2

12 METRE SUCTION LINE WITH STRAIGHT FLANGED TABLE D BACKING

Size	SDR17 Code	Size	SDR11 Code
90	FP1709012DEG2	90	FP1109012DEG2
110	FP1711012DG2	110	FP1111012DG2
125	FP1712512DG2	125	FP1112512DG2
160	FP1716012DG2	160	FP1116012DG2
180	FP1718012DG2	180	FP1118012DG2
200	FP1720012DG2	200	FP1120012DG2
225	FP1722512DG2	225	FP1122512DG2
250	FP1725012DG2	250	FP1125012DG2
280	FP1728012DG2	280	FP1128012DG2
315	FP1731512DG2	315	FP1131512DG2
355	FP1735512DG2	355	FP1135512DG2
400	FP1740012DG2	400	FP1140012DG2



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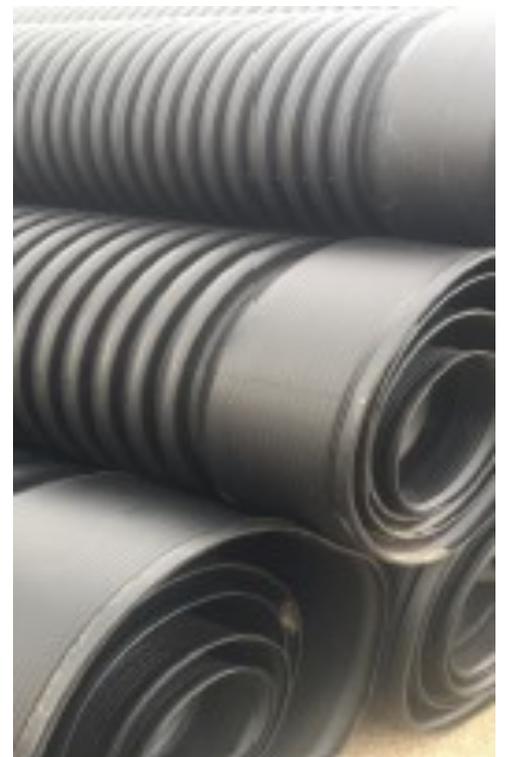
CORRUGATED PIPE

HDPE (PE100) corrugated pipes are manufactured from the highest quality materials and are the most technological advanced product available to move storm water and waste water.

Storm water management is a critical component to ensure the long-term viability of public and private economic investments. Our corrugated pipe meets the critical demands of engineering design and contractor communities and our pipes are manufactured in accordance with AS/NZS 5065. HDPE (PE100) corrugated pipe is the proven, reliable, cost-effective and safe solution to your long-term drainage needs.

HDPE (PE100) corrugated pipes are manufactured with a co-extruded twin wall. The end product is a smooth bore inner layer and a corrugated outer layer which provides a high stiffness to weight ratio for non-pressure applications.

Corrugated pipe is advantageous as the rubber ring jointed pipes require no further welding or couplings. Our pipe offers high resistance to abrasion and corrosion which is important when considering installing into aggressive soils.

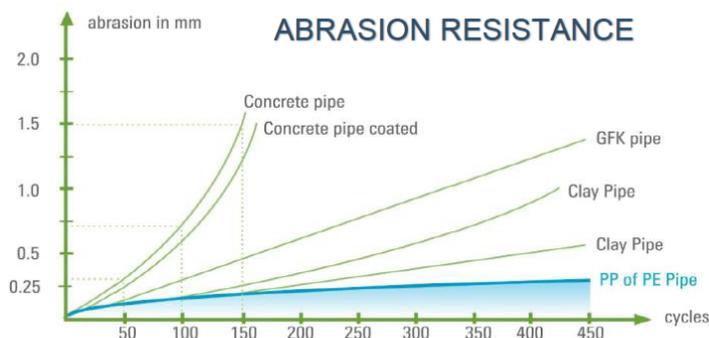


AS/NZS 5065:2005

AS/NZS 5065:2005 Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications.

Part 1: Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications.

AS/NZS 5065:2005 specifies requirements for polyethylene (PE) and polypropylene (PP) pipes and fittings for sewerage and drainage applications, above and below ground, inside and outside of buildings, and is intended to be operating under gravity flow and the operating pressure is low. It includes requirements for both plain and structured wall pipes and fittings.



Abrasion curve of various pipe materials according to the Darmstadt procedure

Polyethylene pipes are among the most abrasion resistant pipes in the world. This has been tested in the Darmstadt procedure and the results are shown in the diagram above and supports the quality of polyethylene pipes.



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POLYETHYLENE (PE100) CORRUGATED PIPE SIZES

Code	DN	OD	ID	Overall Length	Effective Length	SN	Joining Method	Weight (KG)
PC100	100	110	95	6	6	8	Rubber Ring	6
PC150	150	160	138	6	6	8	Rubber Ring	10
PC225	225	257	223	6.07	5.95	8	Rubber Ring	19
PC300	300	339	294	6.06	5.915	8	Rubber Ring	32
PC375	375	425	371	6.02	5.84	8	Rubber Ring	50
PC450	450	508	438	6.03	5.83	8	Rubber Ring	80
PC525	525	595	514	6.03	5.76	8	Rubber Ring	104
PC600	600	672	591	6.04	5.75	8	Rubber Ring	126
PC750	750	835	731	6.148	5.75	8	Rubber Ring	178
PC900	900	995	869	6.01	5.71	8	Rubber Ring	274

CORRUGATED PIPE ADVANTAGES

LONG LIFE HDPE (PE100) pipes have proven reliability across a range of applications of around 50 years. The Water Services Association of Australia (WSAA) Polyethylene Pipeline Code predicts a life in excess of 100 years before major rehabilitation is required.

INSTALLATION The installation time is shorter than other materials as the standard pipe lengths are between 5.5 to 6 meters long. Fewer lifts mean unloading and loading the pipes into position saves even more time. Longer lengths can be shop fabricated on request.

CHEMICAL CORROSION RESISTANCE Our corrugated pipes are manufactured from HDPE (PE100) material and have excellent resistance internally and externally to protect against aggressive soils, chemicals and corrosions.

EFFECTIVE ROUGHNESS Due to its low roughness, there is almost no accumulation on the pipe bottom, pipes have the ability to self-purify. Low roughness has an important economic advantage as maintenance expenditure is kept to a minimum. Due to the low roughness the hydraulic properties and improved and small diameters are required compared to conventional pipe materials with the same flow rate. Our pipes convey flows up to 17% greater than concrete pipes, and up to 60% greater than corrugated steel pipes.

PIPE WEIGHT The low weight pipe allows simpler and faster installation.

COST EFFECTIVE Corrugated Pipe is a competitively priced solution compared to alternate systems. Due to its light weight and joining system, this enables a faster installation.

UV-RESISTANCE Commonly most natural materials and other plastics are degraded by weathering effects, particularly by the combined impact of short-wave ultraviolet radiation in sunlight and atmospheric oxygen.

Black polyethylene pipes are permanently resistant to atmospheric corrosion and UV radiation, as the polyethylene used contains carbon black which acts as both a pigment and an ultra violet stabiliser. Thus the pipes can be used and stored outside without the pipe material being damaged. Resistance to Micro Organisms

RESISTANCE TO MICRO ORGANISMS Polyethylene is not nutrient media for bacteria, fungi and spores, so that the material is resistant to all forms of microbial attack as well as both sulphurous acid and sulphates.



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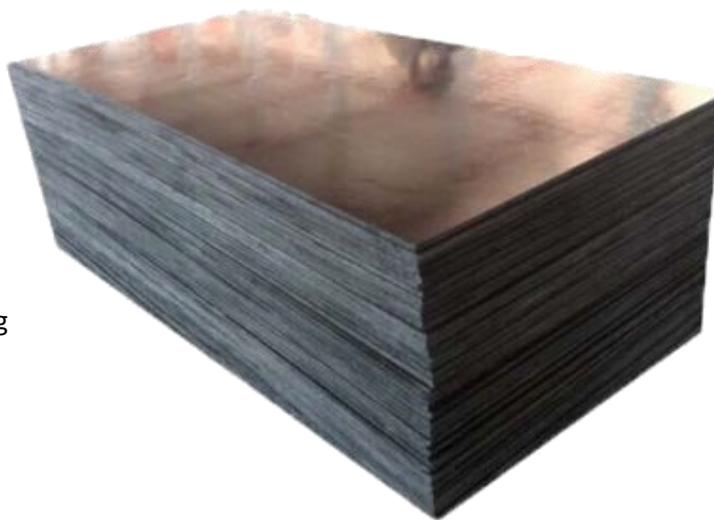
BLACK POLYETHYLENE SHEET

High Density Polyethylene (HDPE) also known as PE100 is a rigid high impact strength sheet. Black polyethylene sheet is stabilized against ultraviolet light and resistant to corrosion in both hot and cold extremes. Widely used in the mining, oil/gas, agriculture, marine, RV, chemical storage and food industries, items can be custom manufactured to suit many applications. Available in a full range of sheets, thicknesses and sizes. We can cut to size or deliver full sheets Australia wide.

Thickness (mm)	Size (mm)		Code
3	1200	2400	SBPE03X1200X2400
6	1200	2400	SBPE06X1200X2400
10	1200	2400	SBPE10X1200X2400
15	1200	2400	SBPE15X1200X2400
20	1200	2400	SBPE20X1200X2400
25	1200	2400	SBPE25X1200X2400

Key Properties

- ⇒ 100% integrity when welding with PE100 Pipe
- ⇒ Long term material strength
- ⇒ Chemical and Acid resistance
- ⇒ Impeccable weld strength
- ⇒ Resistant to environmental stress cracking
- ⇒ Weatherproof
- ⇒ Heat resistance and protection from UV radiations
- ⇒ Malleable with thinner sheets



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PRODUCT DIMENSIONS & TABLES

DN	Ovality	PN4 SDR 41				PN5 SDR 33				PN6.3 SDR 26				PN8 SDR 21			
		Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)
3	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	1.2	-	-	-	-	-	-	-	-	-	-	-	-	1.6	1.9	28.70	0.16
32	1.3	-	-	-	-	-	-	-	-	-	-	-	-	1.9	2.2	36.10	0.24
40	1.4	-	-	-	-	-	-	-	-	-	-	-	-	2.4	2.8	45	0.38
50	1.4	-	-	-	-	-	-	-	-	-	-	-	-	3	3.4	56.90	0.58
63	1.5	-	-	-	-	-	-	-	-	2.4	2.8	58.10	0.48	3.6	4.1	67.70	0.83
75	1.6	-	-	-	-	2.3	2.7	69.6	-	2.9	3.3	69.20	0.68	4.3	4.9	81.30	1.20
90	1.8	-	-	-	-	2.8	3.2	83.6	-	3.5	4	83.00	0.99	5.3	6	99.20	1.80
110	2.2	2.7	3.1	104.70	0.95	3.4	3.9	102.2	-	4.3	4.9	101.30	1.48	6	6.7	112.90	2.30
125	2.5	3.1	3.6	118.90	1.24	3.9	4.4	116.2	-	4.8	5.4	115.40	1.86	6.7	7.5	126.50	2.87
140	2.8	3.5	4	133.20	1.56	4.3	4.9	130.2	-	5.4	6.1	129.20	2.35	7.7	8.6	144.50	3.77
160	3.2	4	4.5	152.30	2.02	4.9	5.5	149	-	6.2	7	147.60	3.08	8.6	9.6	163.10	4.74
180	3.6	4.4	5	171.50	2.51	5.5	6.2	167.6	-	6.9	7.7	166.30	3.84	9.6	10.7	180.60	5.87
200	4	4.9	5.5	190.50	3.08	6.2	7	186	-	7.7	8.6	184.60	4.76	10.8	12	203.30	7.42
225	4.5	5.5	6.2	214.40	3.90	6.9	7.7	209.6	-	8.6	9.6	207.90	5.98	11.9	13.2	226	9.08
250	5	6.2	7	238	4.89	7.7	8.6	232.8	-	9.6	10.7	230.90	7.41	13.4	14.9	253	11.46
280	9.8	6.9	7.7	266.70	6.06	8.6	9.6	260.8	-	10.7	11.9	258.70	9.25	15	16.6	284.90	14.40
315	11.1	7.7	8.6	300.20	7.62	9.7	10.8	293.4	-	12.1	13.5	290.90	11.78	16.9	18.7	321	18.28
355	12.5	8.7	9.7	338.20	9.69	10.9	12.1	330.8	-	13.6	15.1	327.90	14.89	19.1	21.2	361.50	23.31
400	14	9.8	10.9	380	12.28	12.3	13.7	372.6	-	15.3	17	369.50	18.88	21.5	23.8	406.80	29.48
450	15.6	11	12.2	428.90	15.49	13.8	15.3	419.4	-	17.2	19.1	415.80	23.87	23.9	26.4	452	36.37
500	17.5	12.3	13.7	476.30	19.28	15.3	17	466	-	19.1	21.2	462.00	29.45	26.7	29.5	506.40	45.52
560	19.6	13.7	15.2	533.60	24.00	17.2	19.1	521.8	-	21.4	23.7	517.40	36.91	30	33.1	569.80	57.50
630	22.1	15.4	17.1	600.40	30.37	19.3	21.4	587.2	-	24.1	26.7	582.10	46.77	33.9	37.4	641.90	73.22
710	24.9	17.4	19.3	676.50	38.65	21.8	24.1	661.8	-	27.2	30.1	655.90	59.45	38.1	42.1	723.40	92.80
800	28	19.6	21.7	762.30	48.01	24.5	27.1	745.8	-	30.6	33.8	739.20	75.29	42.9	47.3	813.90	117.42
900	31.5	22	24.3	857.80	61.81	27.6	30.5	839	-	34.4	38	831.70	95.23	47.7	52.6	904.20	145.07
1000	35	24.5	27.1	952.90	76.54	30.6	33.8	932.4	-	38.2	42.2	924.10	117.5	57.2	63.1	1084.70	208.73
1200	42	29.4	32.5	1143.10	110.14	36.7	40.5	1119	-	45.9	50.6	1108.50	169.18	66.7	73.5	1266.10	283.64
1400	49	34.4	38	1332.60	150.19	42.9	47.3	1305.4	-	53.2	58.7	1293.10	239.54	76.2	84	1447	370.23
1600	56	39.3	43.3	1522.30	195.75	49	54	1492	-	61.3	67.6	1476.10	300.95	85.7	94.4	1628	468.94
1800	-	43.8	48.3	1716	245.95	54.5	60.1	1679.8	-	69.1	76.2	1662.80	382.16	95.2	104.9	1808.90	578.91
2000	-	48.8	53.8	1906.40	304.41	60.6	66.8	1866.4	-	76.9	84.7	1847.40	472.24	48.8	53.8	-	-



PE STANDARD PRESSURE PIPE DIMENSIONS AS/NZS 4130:2009

DN	PN10 SDR 17				PN12.5 SDR 13.6				PN16 SDR11				PN20 SDR 9				PN25 SDR 7.4			
	Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)	Min Wall	Max Wall	Mean ID	W (KG)
3	-	-	-	-	-	-	-	-	1.6	1.9	12.70	0.08	1.8	2.1	12.3	0.08	2.2	2.6	11.4	0.10
20	-	-	-	-	1.6	1.9	16.7	0.10	1.9	2.2	16	0.11	2.3	2.7	15.2	0.13	2.8	3.2	14.2	0.16
25	1.6	1.9	21.70	0.12	1.9	2.2	21	0.14	2.3	2.7	20.20	0.17	2.8	3.2	19.2	0.20	3.5	4	17.7	0.24
32	1.9	2.2	28	0.19	2.4	2.8	27	0.23	2.9	3.3	26	0.27	3.6	4.1	24.5	0.33	4.4	5	22.8	0.39
40	2.4	2.8	35	0.30	3	3.4	33.8	0.36	3.7	4.2	32.30	0.43	4.5	5.1	30.6	0.52	5.5	6.2	28.5	0.61
50	3	3.4	43.90	0.46	3.7	4.2	42.4	0.55	4.6	5.2	40.40	0.67	5.6	6.3	28.4	0.80	6.9	7.7	35.7	0.95
63	3.8	4.3	55.20	0.73	4.7	5.3	53.3	0.88	5.8	6.5	51	1.07	7.1	8	48.2	1.28	8.6	9.6	45.1	1.50
75	4.5	5.1	65.80	1.03	5.5	6.2	63.7	1.23	6.8	7.6	61	1.49	8.4	9.4	57.6	1.79	10.3	11.5	53.6	2.13
90	5.4	6.1	79	1.48	6.6	7.4	76.5	1.77	8.2	9.2	73	2.16	10.1	11.3	69.1	2.59	12.3	13.7	64.5	3.05
110	6.6	7.4	96.50	2.20	8.1	9.1	93.3	2.66	10	11.1	89.40	3.20	12.3	13.7	84.5	3.84	15.1	16.8	78.6	4.57
125	7.4	8.3	109.90	2.80	9.2	10.3	106.1	3.42	11.4	12.7	101.5	4.15	14	15.5	96.1	4.96	17.1	19	89.5	5.88
140	8.3	9.3	123	3.52	10.3	11.5	118.9	4.29	12.7	14.1	113.9	5.17	15.7	17.4	107.6	6.23	19.2	21.3	100.2	7.39
160	9.5	10.6	140.70	4.59	11.8	13.1	135.9	5.60	14.6	16.2	130	6.78	17.9	19.8	123	8.11	21.9	24.2	114.7	9.62
180	10.7	11.9	158.30	5.81	13.3	14.8	152.8	7.10	16.4	18.2	146.3	8.58	20.1	22.3	138.5	10.26	24.6	27.2	129.1	12.16
200	11.9	13.2	175.80	7.16	14.7	16.3	170	8.71	18.2	20.2	162.5	10.57	22.4	24.8	153.7	12.68	27.3	30.2	143.4	15.00
225	13.4	14.9	197.80	9.09	16.6	18.4	191	11.06	20.5	22.7	182.9	13.39	25.1	27.8	173.2	16	30.8	34	161.3	19.02
250	14.8	16.4	220	11.14	18.4	20.4	212.4	13.63	22.7	25.1	203.4	16.46	27.9	30.8	192.5	19.73	34.2	37.8	179.2	23.48
280	16.6	18.4	246.30	13.99	20.6	22.8	237.9	17.08	25.4	28.1	227.8	20.64	31.3	34.6	215.4	24.80	38.3	42.3	200.7	29.44
315	18.7	20.7	276.60	17.72	23.2	25.7	267.6	21.64	28.6	31.6	256.3	26.13	35.2	38.9	242.4	31.38	43	47.4	226.1	37.16
355	21.1	23.4	312.10	22.56	26.1	28.9	301.6	27.43	32.2	35.6	288.8	33.16	39.6	43.7	273.3	39.76	48.5	53.5	254.6	47.24
400	23.7	26.2	351.90	28.50	29.4	32.5	339.9	34.79	36.3	40.1	325.4	42.10	44.7	49.3	307.8	50.55	54.6	60.2	287	59.92
450	26.7	29.5	395.90	36.11	33.1	36.6	382.4	44.07	40.9	45.1	366.1	53.31	50.2	55.4	346.5	63.90	61.5	67.8	322.8	75.92
500	29.6	32.7	439.90	44.48	36.8	40.6	424.9	54.38	45.4	50.1	406.8	65.78	55.8	61.5	385	48.86	-	-	-	-
560	33.2	36.7	492.70	55.89	41.2	45.5	475.8	68.22	50.8	56	455.8	82.40	62.5	68.9	430.3	98.83	-	-	-	-
630	37.3	41.2	554.40	70.62	46.3	51.1	535.5	86.23	57.2	63.1	512.6	104.4	70.3	77.5	484.1	125.2	-	-	-	-
710	42.1	46.5	624.60	89.82	52.2	57.6	603.4	109.55	64.5	71.1	577.6	132.6	79.3	87.4	546.5	159.1	-	-	-	-
800	47.4	52.3	703.90	113.89	58.8	64.8	680	138.96	72.5	80	651	168.1	89.3	98.4	615.9	201.9	-	-	-	-
900	53.5	59	791.70	144.55	66.2	73	764.9	176.04	81.7	90	732.4	212.9	-	-	-	-	-	-	-	-
1000	59.3	65.4	879.80	178.06	72.5	79.9	852.1	214.41	90.2	99.4	814.9	261.4	-	-	-	-	-	-	-	-
1200	67.9	74.8	1062.7	245.17	88.2	97.2	1020	312.54	-	-	-	-	-	-	-	-	-	-	-	-
1400	82.4	90.8	1233.1	346.07	102.9	113.3	1173.4	-	-	-	-	-	-	-	-	-	-	-	-	-
1600	94.1	103.7	1409.4	451.49	117.6	129.5	1341	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	105.9	116.6	1566.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	117.6	129.5	1741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CHEMICALS & PE

CHEMICAL RESISTANCE — POLYETHYLENE

The below table indicates the chemical resistance of PE to various media at a number of temperatures.

Component				Pipe and Fittings			Elastomeric Seals				
Name	Formula	Remark	Concentration	HDPE			NBR	EDPM	FPM	SBR	
				20	40	60	20	20	20	20	
Benzene Sulfonic Acid	C ₆ H ₅ SO ₃ H	Aqueous Solution	10	-			4	4	1	4	
Benzene (Free of Pb and Aromatic)	C ₅ H ₁₂ ÷ C ₁₂ H ₂₆	Technically pure	100	+	+	/	4	4	1	4	
Benzoic Acid	C ₆ H ₅ COOH	Aqueous Solution	Saturated	+	+	+	4	4	1	4	
Benzyl Alcohol	C ₆ H ₅ CH ₂ OH	Technically pure	100	+	+	/	4	1	1	4	
Bleaching Lye	NaClO+NaCl		12,5% Cl	/	/		4	1	1	4	
Borax	Na ₂ B ₄ O ₇	Aqueous Solution	All	+	+	+	1	1	1	1	
Boric Acid	H ₃ BO ₃	Aqueous Solution	Saturated	+	+	+	1	1	1	1	
Brine			Comm. Comp.	+							
Bromic Acid	HBrO ₃		10	+	+	+	4	1	1	4	
Bromine, Liquid	Br ₂	Technically pure	100	-			4	3	2	4	
Bromine, Liquid	Br ₂		High	-			4	4	1	4	
Butadiene	CH ₂ =CH-CH=CH ₂	Gas	100	+			3	4	2	4	
Butane Gas	CH ₃ CH ₂ CH ₂ CH ₃		100	+	+	+	2	4	2	4	
Butanediol	OHCH ₂ CH ₂ CH ₂ CH ₂ O	Aqueous Solution	10	+	+	+					
Butanediol	OHCH ₂ CH ₂ CH ₂ CH ₂ O	Aqueous Solution	Concentrated	/	-	-					
Butyl Acetate	CH ₃ COOCH ₂ CH ₂ CH ₂	Technically pure	100	/	/	/	4	2	4	4	
Butyl Alcohol	CH ₃ (CH ₂) ₃ OH	Technically pure	100	+	+	+	1	2	1	1	
Butyl Ether	(CH ₃ (CH ₂) ₃) ₂ O	Technically pure	100	/	-	-	4	3	4	4	
Butyl Phenol	C ₄ H ₉ C ₆ H ₄ OH	Technically pure	100	-			4	4	2	4	
Butyl Phthalate	HOCC ₆ H ₄ COOC ₄ H ₉	Technically pure	100	+	/	/					
Butylene	CH ₂ =CH-CH ₂ CH ₂	Liquid	100	-			2	4	1	4	
Butylene Glycol	OHCH ₂ -CH=CH-	Technically pure	100	+	+	+	1	1	1	1	
Butylene	CH ₂ =CH-CH ₂ CH ₃	Technically pure	100	-			2	4	1	4	
Butyric Acid	CH ₃ CH ₂ CH ₂ COOH	Aqueous Solution	20	+	+	/					
Butyric Acid	CH ₃ CH ₂ CH ₂ COOH	Technically pure	100	+	+	/					
Calcium Acetate	Ca(CH ₃ COO) ₂	Aqueous Solution	Saturated	+	+	+	2	1	4	4	
Calcium Bisulfite	Ca(HSO ₃) ₂	Aqueous Solution	Saturated	+	+	+	2	1	2	2	
Calcium Carbonate	CaCO ₃	Aqueous Solution	All	+	+	+	1	1	1	1	
Calcium Chlorate	Ca(ClO ₃) ₂	Aqueous Solution	Saturated	+	+	+	1	1	1	1	
Calcium Chloride	CaCl ₂	Aqueous Solution	All	+	+	+	1	1	1	1	
Calcium Hydroxide	Ca(OH) ₂	Aqueous Solution	All	+	+	+	1	1	1	1	
Calcium Hypochloride	Ca(ClO) ₂	Aqueous Solution	Saturated	+	+	+	4	1	1	4	
Calcium Nitrate	Ca(CO ₃) ₂	Aqueous Solution	50	+	+	+	1	1	1	1	
Calcium Sulfate	CaSO ₄	Aqueous Solution	Saturated	+	+	+					
Calcium Sulfide	CaS	Aqueous Solution	Saturated	/	/	/	1	1	1	2	
Camphor Oil			Comm. Comp.	-	-						
Carbon Dioxide	CO ₂ +H ₂ O	Aqueous Solution	Indetermined	+	+	+	1	1	1	1	
Carbon Dioxide	CO ₂	Gas	100	+	+	+	1	1	1	1	
Carbon Disulfide	CS ₂	Technically pure	100	/	-		4	4	1	4	
Carbon Monoxide	CO	Gas	100	+	+	+	2	2	1	2	
Carbon Tetrachloride	CCl ₄	Technically pure	100	-							
Carbonic Acid	H ₂ CO ₃	Aqueous Solution	Saturated	+	+	+					
Chloramine	C ₆ H ₅ SO ₂ NNaCl	Aqueous Solution	Solution	+							
Chloric Acid	HClO ₃	Aqueous Solution	20	/							
Chlorine	Cl ₂	Wet	All	/	-		4	3	1	4	
Chlorine	Cl ₂	Gas	100	/	/	-	4	2	4	4	
Chlorine	Cl ₂	Technically pure	100	-							
Chlorine Water	Cl ₂ +H ₂ O		Saturated	/	/						
Chloro Benzene	C ₆ H ₅ Cl	Technically pure	100	/	-	-					
Chloro Sulfonic Acid	HClSO ₃	Technically pure	100	-	-	-					
Chloroform	CHCl ₃	Technically pure	100	-			4	4	2	4	
Chrome Alum	KCr(SO ₄) ₂	Aqueous Solution	Saturated	+	+	+					
Chrome Alum	KCr(SO ₄) ₂		Indetermined	+	+	+					
Chromic Acid	CrO ₃ +H ₂ O	Aqueous Solution	10	/	-	-	4	2/3	1	4	
Chromic Acid	CrO ₃ +H ₂ O	Aqueous Solution	30	/	-	-	4	2/3	1	4	
Chromic Acid	CrO ₃ +H ₂ O	Aqueous Solution	50	/	-	-	4	2/3	1	4	
Citric Acid	C ₃ H ₄ (OH)(COOH) ₃	Aqueous Solution	50	+	+	+	2	1	1	2	
Compressed Air with Oil			100	+	+						
Copper Acetate	Cu(COOCH ₃) ₂		Saturated	+			2	1	4	4	
Copper Chloride	CuCl ₂	Aqueous Solution	Saturated	+	+	+	1	1	1	1	
Copper Fluoride	CuF ₂	Aqueous Solution	All	+	+	+	2	1	1	1	
Copper Nitrate	Cu(NO ₃) ₂	Aqueous Solution	Indetermined	+	+	+	2	1	1	1	



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CHEMICALS

In transporting chemicals, consideration needs to be given to the following factors:

- The medium
- Concentration of the medium
- Temperature
- Duration of the load
- Flow volume

The elastomer resistance list is intended as an aid for determining the suitability of a given seal. The indicated values refer to the volume of swelling for the rubber compound, which is only one of the indications for determining resistance. Chemical damage to the polymer chain can also lead to changes in mechanical properties such as tensile strength, elasticity at break, etc. the most commonly indicated values are measured at temperature of 20°C. a longer exposure to a higher temperature can create more aggressive conditions that reduce the life-span of elastomers.

Explanation of symbols used for PE pipes and fittings

- + Resistant: based on performed tests, PE is in general a suitable material for this application
- / Limited resistance: further research required
- Non-resistant

Empty field = the material has not been tested on this medium at this temperature.

1. Little or no effect: volume change <10%, the elastomer can display slight swelling and/or loss of physical characteristics under heavy conditions.
2. Possible change of physical qualities: volume change of 10-20%, the elastomer can display swelling and a change of physical characteristics, may be suitable for structural applications.
3. Substantial change in physical characteristics: the elastomer displays a substantial change in volume and physical qualities.
4. Excessive change: elastomer is unsuitable

Empty Field = The elastomer has not been tested on this medium

Abbreviations used:

PE = Polyethylene

NBR = Acrylonitrile butadiene

EPDM = Ethylene propylene

FPM = Fluorocarbon

SBR = Styrol butadiene



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CONVERSION TABLE

Imperial	Metric	Factor
Length		
inches	centimetres	2.54
feet	metres	0.3048
yards	metres	0.9144
miles	kilometres	1.609344
Mass		
ounces	grams	28.467523
pounds	kilograms	0.4535924
stone	kilograms	6.3502932
ton	tonne	1.01605
Area		
square inches	square centimetres	6.4516
square feet	square metres	0.092903
square yards	square metres	0.836127
square miles	square metres	2.589988
acres	hectares	0.4046856
Volume & Capacity		
cubic inches	cubic centimetres	16.387064
cubic feet	cubic metres	0.0283168
cubic yards	cubic metres	0.7645549
pints	litres	0.5682613
UK gallons	litres	4.54609
Flow		
1 US gal/min		
= 0.63 L/s	1 L/s	= 15.85 US gal/min
= 63.0915 x 10 ⁶ m ³ /s	1 m ³ /s	= 15850 US gal/min
= 0.2271 m ³ /h	1 m ³ /h	= 4.403 US gal/min
1 imp gal/min		
= 0.076 L/s	1 L/s	= 13.2 imp gal/min
= 0.2728 m ³ /h	1 m ³ /h	= 3.666 imp gal/min

To use the conversion formulae, multiply the imperial measurement by the factor to convert to metric or divide the metric measurement by the factor to convert to imperial.

REFERENCES

DN (Diameter Nominal)

Pipe outside diameter in mm

PN (Pressure Nominal)

Pressure rating at 20° (MPa x 10)

SDR Min. OD ÷ min. wall thickness

(where OD refers to the Outside Diameter of the pipe)

PE Material type (Polyethylene)

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FABRICATED FITTINGS

FABRICATED FITTINGS



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SUCTION LINE 6 METRE & 12 METRE

FABRICATED FITTINGS

6 METRE SUCTION LINE WITH 45 DEGREE ELBOW

Size	SDR17 Code	Size	SDR11 Code
90	FP174509006DEG2	90	FP114509006DEG2
110	FP174511006DG2	110	FP114511006DG2
125	FP174512506DG2	125	FP114512506DG2
160	FP174516006DG2	160	FP114516006DG2
180	FP174518006DG2	180	FP114518006DG2
200	FP174520006DG2	200	FP114520006DG2
225	FP174522506DG2	225	FP114522506DG2
250	FP174525006DG2	250	FP114525006DG2
280	FP174528006DG2	280	FP114528006DG2
315	FP174531506DG2	315	FP114531506DG2
355	FP174535506DG2	355	FP114535506DG2
400	FP174540006DG2	400	FP114540006DG2



12 METRE SUCTION LINE WITH 45 DEGREE ELBOW

Size	SDR17 Code	Size	SDR11 Code
90	FP174509012DEG2	90	FP114509012DEG2
110	FP174511012DG2	110	FP114511012DG2
125	FP174512512DG2	125	FP114512512DG2
160	FP174516012DG2	160	FP114516012DG2
180	FP174518012DG2	180	FP114518012DG2
200	FP174520012DG2	200	FP114520012DG2
225	FP174522512DG2	225	FP114522512DG2
250	FP174525012DG2	250	FP114525012DG2
280	FP174528012DG2	280	FP114528012DG2
315	FP174531512DG2	315	FP114531512DG2
355	FP174535512DG2	355	FP114535512DG2
400	FP174540012DG2	400	FP114540012DG2



PE STANDARD PRESSURE PIPE DIMENSION AS/NZS 4130:2009

SDR	SDR 41	SDR 33	SDR 26	SDR21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4
PE 80	PN 3.2	PN 4	-	PN6.3	PN 8	PN 10	PN 12.5	PN 16	-
PE 100	PN 4	-	PN 6.3	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25

REFERENCES

DN (Diameter Nominal)

Pipe outside diameter in mm

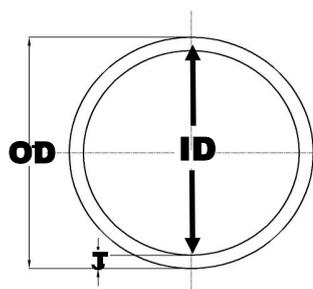
PN (Pressure Nominal)

Pressure rating at 20° (MPa x 10)

SDR Min. OD ÷ min. wall thickness

(where OD refers to the Outside Diameter of the pipe)

PE Material type (Polyethylene)



Measurements are in millimeters
As per the standard AS/
NZS4130:2009

Nominal Diameter (DN) Wall
Thickness (T) Inside Diameter (ID)



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FABRICATED FITTINGS

FLANGED TEES

TEES WITH TABLE D BACKING FLANGES

TEES WITH TABLE E BACKING FLANGES

Size	SDR11 Code	Size	SDR17 Code	Size	SDR11 Code	Size	SDR17 Code
75	FT11075DEG3	75	FT17075DEG3	75	FT11075DEG3	75	FT17075DEG3
90	FT11090DEG3	90	FT17090DEG3	90	FT11090DEG3	90	FT17090DEG3
110	FT11110DG3	110	FT17110DG3	110	FT11110EG3	110	FT17110EG3
125	FT11125DG3	125	FT17125DG3	125	FT11125EG3	125	FT17125EG3
140	FT11140DG3	140	FT17140DG3	140	FT11140EG3	140	FT17140EG3
160	FT11160DG3	160	FT17160DG3	160	FT11160EG3	160	FT17160EG3
180	FT11180DG3	180	FT17180DG3	180	FT11180EG3	180	FT17180EG3
200	FT11200DG3	200	FT17200DG3	200	FT11200EG3	200	FT17200EG3
225	FT11225DG3	225	FT17225DG3	225	FT11225EG3	225	FT17225EG3
250	FT11250DG3	250	FT17250DG3	250	FT11250EG3	250	FT17250EG3
280	FT11280DG3	280	FT17280DG3	280	FT11280EG3	280	FT17280EG3
315	FT11315DG3	315	FT17315DG3	315	FT11315EG3	315	FT17315EG3
355	FT11355DG3	355	FT17355DG3	355	FT11355EG3	355	FT17355EG3
400	FT11400DG3	400	FT17400DG3	400	FT11400EG3	400	FT17400EG3
450	FT11450DG3	450	FT17450DG3	450	FT11450EG3	450	FT17450EG3
500	FT11500DG3	500	FT17500DG3	500	FT11500EG3	500	FT17500EG3



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FLANGED ELBOWS

FABRICATED FITTINGS

45 DEGREE ELBOW
WITH TABLE D BACKING FLANGES

Size	SDR11 Code	Size	SDR17 Code	Size	SDR11 Code	Size	SDR17 Code
90	FE4511090DEG2	90	FE4517090DEG2	90	FE4511090EG2	90	FE4517090EG2
110	FE4511110DG2	110	FE4517110DG2	110	FE4511110EG2	110	FE4517110EG2
125	FE4511125DG2	125	FE4517125DG2	125	FE4511125EG2	125	FE4517125EG2
140	FE4511140DG2	140	FE4517140DG2	140	FE4511140EG2	140	FE4517140EG2
180	FE4511180DG2	180	FE4517180DG2	180	FE4511180EG2	180	FE4517180EG2
200	FE4511200DG2	200	FE4517200DG2	200	FE4511200EG2	200	FE4517200EG2
225	FE4511225DG2	225	FE4517225DG2	225	FE4511225EG2	225	FE4517225EG2
250	FE4511250DG2	250	FE4517250DG2	250	FE4511250EG2	250	FE4517250EG2
280	FE4511280DG2	280	FE4517280DG2	280	FE4511280EG2	280	FE4517280EG2
315	FE4511315DG2	315	FE4517315DG2	315	FE4511315EG2	315	FE4517315EG2
355	FE4511355DG2	355	FE4517355DG2	355	FE4511355EG2	355	FE4517355EG2
400	FE4511400DG2	400	FE4517400DG2	400	FE4511400EG2	400	FE4517400EG2
450	FE4511450DG2	450	FE4517450DG2	450	FE4511450EG2	450	FE4517450EG2
500	FE4511500DG2	500	FE4517500DG2	500	FE4511500EG2	500	FE4517500EG2

45 DEGREE ELBOW
WITH TABLE E BACKING FLANGES90 DEGREE ELBOW
WITH TABLE D BACKING FLANGES

Size	SDR11 Code	Size	SDR17 Code	Size	SDR11 Code	Size	SDR17 Code
90	FE9011090DEG2	90	FE9017090DEG2	90	FE9011090EG2	90	FE9017090EG2
110	FE9011110DG2	110	FE9017110DG2	110	FE9011110EG2	110	FE9017110EG2
125	FE9011125DG2	125	FE9017125DG2	125	FE9011125EG2	125	FE9017125EG2
140	FE9011140DG2	140	FE9017140DG2	140	FE9011140EG2	140	FE9017140EG2
180	FE9011180DG2	180	FE9017180DG2	180	FE9011180EG2	180	FE9017180EG2
200	FE9011200DG2	200	FE9017200DG2	200	FE9011200EG2	200	FE9017200EG2
225	FE9011225DG2	225	FE9017225DG2	225	FE9011225EG2	225	FE9017225EG2
250	FE9011250DG2	250	FE9017250DG2	250	FE9011250EG2	250	FE9017250EG2
280	FE9011280DG2	280	FE9017280DG2	280	FE9011280EG2	280	FE9017280EG2
315	FE9011315DG2	315	FE9017315DG2	315	FE9011315EG2	315	FE9017315EG2
355	FE9011355DG2	355	FE9017355DG2	355	FE9011355EG2	355	FE9017355EG2
400	FE9011400DG2	400	FE9017400DG2	400	FE9011400EG2	400	FE9017400EG2
450	FE9011450DG2	450	FE9017450DG2	450	FE9011450EG2	450	FE9017450EG2
500	FE9011500DG2	500	FE9017500DG2	500	FE9011500EG2	500	FE9017500EG2

90 DEGREE ELBOW
WITH TABLE E BACKING FLANGES

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FLANGED REDUCER WITH TABLE D BACKING RING SDR17

Size (mm)		SDR17 Code	Size (mm)		SDR17 Code	Size (mm)		SDR17 Code
110	63	FRC17110063DG	200	160	FRC17200160DG	315	200	FRC17315200DG
110	75	FRC17110075DG	200	180	FRC17200180DG	315	225	FRC17315225DG
110	90	FRC17110090DG	225	90	FRC17225090DG	315	250	FRC17315250DG
125	63	FRC17125063DG	225	110	FRC17225110DG	315	280	FRC17315280DG
125	90	FRC17125090DG	225	160	FRC17225160DG	355	200	FRC17355200DG
125	110	FRC17125110DG	225	180	FRC17225180DG	355	250	FRC17355250DG
140	90	FRC17140090DG	225	200	FRC17225200DG	355	280	FRC17355280DG
140	110	FRC17140110DG	250	90	FRC17250090DG	355	315	FRC17355315DG
160	32	FRC17160032DG	250	110	FRC17250110DG	400	200	FRC17400200DG
160	63	FRC17160063DG	250	125	FRC17250125DG	400	250	FRC17400250DG
160	75	FRC17160075DG	250	160	FRC17250160DG	400	315	FRC17400315DG
160	90	FRC17160090DG	250	180	FRC17250180DG	400	355	FRC17400355DG
160	110	FRC17160110DG	250	200	FRC17250200DG	450	200	FRC17450200DG
160	125	FRC17160125DG	250	225	FRC17250225DG	450	250	FRC17450250DG
180	90	FRC17180090DG	280	160	FRC17280160DG	450	315	FRC17450315DG
180	110	FRC17180110DG	280	200	FRC17280200DG	450	355	FRC17450355DG
180	125	FRC17180125DG	280	225	FRC17280225DG	450	400	FRC17450400DG
180	160	FRC17180160DG	280	250	FRC17280250DG	500	400	FRC17500400DG
200	63	FRC17200063DG	315	90	FRC17315090DG	500	450	FRC17500450DG
200	90	FRC17200090DG	315	110	FRC17315110DG	560	500	FRC17560500DG
200	110	FRC17200110DG	315	160	FRC17315160DG	630	500	FRC17630500DG
200	125	FRC17200125DG	315	180	FRC17315180DG	710	630	FRC17710630DG
						800	710	FRC17800710DG



FLANGED REDUCER WITH TABLE D BACKING RING SDR11

Size (mm)		SDR11 Code	Size (mm)		SDR11 Code	Size (mm)		SDR11 Code
110	63	FRC11110063DG	180	125	FRC11180125DG	250	225	FRC11250225DG
110	45	FRC11110075DG	180	160	FRC11180160DG	280	160	FRC11280160DG
110	90	FRC11110090DG	200	63	FRC11200063DG	280	200	FRC11280200DG
125	65	FRC11125063DG	200	90	FRC11200090DG	280	225	FRC11280225DG
125	90	FRC11125090DG	200	110	FRC11200110DG	280	250	FRC11280250DG
125	110	FRC11125110DG	200	125	FRC11200125DG	315	90	FRC11315090DG
140	63	FRC11140063DG	200	160	FRC11200160DG	315	110	FRC11315110DG
140	90	FRC11140090DG	200	180	FRC11200180DG	315	160	FRC11315160DG
140	110	FRC11140110DG	225	90	FRC11225090DG	315	180	FRC11315180DG
160	32	FRC11160032DG	225	110	FRC11225110DG	315	200	FRC11315200DG
160	63	FRC11160063DG	225	160	FRC11225160DG	315	225	FRC11315225DG
160	75	FRC11160075DG	225	180	FRC11225180DG	315	250	FRC11315250DG
160	90	FRC11160090DG	225	200	FRC11225200DG	315	280	FRC11315280DG
160	110	FRC11160110DG	250	90	FRC11250090DG	355	280	FRC11355280DG
160	125	FRC11160125DG	250	110	FRC11250110DG	400	200	FRC11400200DG
180	90	FRC11180090DG	250	125	FRC11250125DG	400	250	FRC11400250DG
180	110	FRC11180110DG	250	160	FRC11250160DG	400	315	FRC11400315DG
			250	200	FRC11250200DG	400	355	FRC11400355DG



FLANGED REDUCERS TABLE E

FABRICATED FITTINGS

**FLANGED REDUCER
WITH TABLE E BACKING RING SDR17**

Size (mm)		SDR17 Code	Size (mm)		SDR17 Code	Size (mm)		SDR17 Code
110	63	FRC17110063EG	200	160	FRC17200160EG	315	200	FRC17315200EG
110	75	FRC17110075EG	200	180	FRC17200180EG	315	225	FRC17315225EG
110	90	FRC17110090EG	225	90	FRC17225090EG	315	250	FRC17315250EG
125	63	FRC17125063EG	225	110	FRC17225110EG	315	280	FRC17315280EG
125	90	FRC17125090EG	225	160	FRC17225160EG	355	200	FRC17355200EG
125	110	FRC17125110EG	225	180	FRC17225180EG	355	250	FRC17355250EG
140	90	FRC17140090EG	225	200	FRC17225200EG	355	280	FRC17355280EG
140	110	FRC17140110EG	250	90	FRC17250090EG	355	315	FRC17355315EG
160	32	FRC17160032EG	250	110	FRC17250110EG	400	200	FRC17400200EG
160	63	FRC17160063EG	250	125	FRC17250125EG	400	250	FRC17400250EG
160	75	FRC17160075EG	250	160	FRC17250160EG	400	315	FRC17400315EG
160	90	FRC17160090EG	250	180	FRC17250180EG	400	355	FRC17400355EG
160	110	FRC17160110EG	250	200	FRC17250200EG	450	200	FRC17450200EG
160	125	FRC17160125EG	250	225	FRC17250225EG	450	250	FRC17450250EG
180	90	FRC17180090EG	280	160	FRC17280160EG	450	315	FRC17450315EG
180	110	FRC17180110EG	280	200	FRC17280200EG	450	355	FRC17450355EG
180	125	FRC17180125EG	280	225	FRC17280225EG	450	400	FRC17450400EG
180	160	FRC17180160EG	280	250	FRC17280250EG	500	400	FRC17500400EG
200	63	FRC17200063EG	315	90	FRC17315090EG	500	450	FRC17500450EG
200	90	FRC17200090EG	315	110	FRC17315110EG	560	500	FRC17560500EG
200	110	FRC17200110EG	315	160	FRC17315160EG	630	500	FRC17630500EG
200	125	FRC17200125EG	315	180	FRC17315180EG	710	630	FRC17710630EG
						800	710	FRC17800710EG

**FLANGED REDUCER
WITH TABLE E BACKING RING SDR11**

Size (mm)		SDR11 Code	Size (mm)		SDR11 Code	Size (mm)		SDR11 Code
110	63	FRC11110063EG	180	125	FRC11180125EG	250	225	FRC11250225EG
110	75	FRC11110075EG	180	160	FRC11180160EG	280	160	FRC11280160EG
110	90	FRC11110090EG	200	63	FRC11200063EG	280	200	FRC11280200EG
125	63	FRC11125063EG	200	90	FRC11200090EG	280	225	FRC11280225EG
125	90	FRC11125090EG	200	110	FRC11200110EG	280	250	FRC11280250EG
125	110	FRC11125110EG	200	125	FRC11200125EG	315	90	FRC11315090EG
140	63	FRC11140063EG	200	160	FRC11200160EG	315	110	FRC11315110EG
140	90	FRC11140090EG	200	180	FRC11200180EG	315	160	FRC11315160EG
140	110	FRC11140110EG	225	90	FRC11225090EG	315	180	FRC11315180EG
160	32	FRC11160032EG	225	110	FRC11225110EG	315	200	FRC11315200EG
160	63	FRC11160063EG	225	160	FRC11225160EG	315	225	FRC11315225EG
160	75	FRC11160075EG	225	180	FRC11225180EG	315	250	FRC11315250EG
160	90	FRC11160090EG	225	200	FRC11225200EG	315	280	FRC11315280EG
160	110	FRC11160110EG	250	90	FRC11250090EG	355	280	FRC11355280EG
160	125	FRC11160125EG	250	110	FRC11250110EG	400	200	FRC11400200EG
180	90	FRC11180090EG	250	125	FRC11250125EG	400	250	FRC11400250EG
180	110	FRC11180110EG	250	160	FRC11250160EG	400	315	FRC11400315EG
			250	200	FRC11250200EG	400	355	FRC11400355EG



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RURAL COMPRESSION



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COUPLINGS & ADAPTORS



RURAL COUPLING

1	2	PACK QTY	CODE
1/2"	-	10	7010001
3/4"	-	10	7010002
1"	-	10	7010003
1.1/4"	-	5	7010004
1.1/2"	-	1	7010005
2"	-	1	7010006



RURAL COUPLING BODY

1	2	PACK QTY	CODE
1/2"	-	1	7010007
3/4"	-	1	7010008
1"	-	1	7010009
1.1/4"	-	1	7010010
1.1/2"	-	1	7010011
2"	-	1	7011012

Suits rural & metric fittings

RURAL COMPRESSION FITTINGS



RURAL MALE THREADED ADAPTOR

1	2	PACK QTY	CODE
1/2"	1/2"	10	7020001
1/2"	3/4"	10	7020002
3/4"	1/2"	10	7020003
3/4"	3/4"	10	7020004
3/4"	1"	10	7020005
1"	1/2"	10	7020006
1"	3/4"	10	7020007
1"	1"	10	7020008
1.1/4"	3/4"	5	7020009
1.1/4"	1"	5	7020010
1.1/4"	1.1/4"	5	7020011
1.1/4"	1.1/2"	5	7020012
1.1/2"	1"	1	7020013
1.1/2"	1.1/4"	1	7020014
1.1/2"	1.1/2"	1	7020015
1.1/2"	2"	1	7020016
2"	1"	1	7020017
2"	1.1/4"	1	7020018
2"	1.1/2"	1	7020019
2"	2"	1	7020020



RURAL REDUCING COUPLING

1	2	PACK QTY	CODE
3/4"	1/2"	10	7110001
1"	1/2"	10	7110002
1"	3/4"	10	7110003
1.1/4"	3/4"	5	7110004
1.1/4"	1"	5	7110005
1.1/2"	1"	1	7110006
1.1/2"	1.1/4"	1	7110007
2"	1"	1	7110008
2"	1.1/4"	1	7110009
2"	1.1/2"	1	7110010



RURAL FEEMALE ADAPTOR

1	2	PACK QTY	CODE
1/2"	1/2"	10	7030001
1/2"	3/4"	10	7030002
3/4"	1/2"	10	7030003
3/4"	3/4"	10	7030004
3/4"	1"	10	7030005
1"	3/4"	10	7030006
1"	1"	10	7030007
1.1/4"	3/4"	5	7030008
1.1/4"	1"	5	7030009
*1.1/4"	1.1/4"	5	7030010
1.1/2"	1"	1	7030011
*1.1/2"	1.1/4"	1	7030012
*1.1/2"	1.1/2"	1	7030013
*2"	1.1/4"	1	7030014
*2"	1.1/2"	1	7030015
*2"	2"	1	7030016

*Fittings with Stainless Steel Reinforcing Ring



RURAL COMPRESSION FITTINGS

RURAL BARREL UNION



1	2	PACK QTY	CODE
1"	1/2"	1	7250001
1"	3/4"	1	7250002
1.1/4"	1/2"	1	7250003
1.1/4"	3/4"	1	7250004
1.1/4"	1"	1	7250005
1.1/2"	1"	1	7250006
1.1/2"	1.1/4"	1	7250007
1.1/2"	1.1/2"	1	7250008
2"	1"	1	7250009
2"	1.1/4"	1	7250010
2"	1.1/2"	1	7250011
2"	2"	1	7250012

RURAL END PLUG



1	2	PACK QTY	CODE
1"	-	10	7120001
1.1/4"	-	5	7120002
1.1/2"	-	1	7120003
2"	-	1	7120004

90 DEGREE RURAL MALE ELBOW



RURAL	BSPT	PACK QTY	CODE
3/4"	1/2"	10	7850001
3/4"	3/4"	10	7850002
1"	1/2"	10	7850003
1"	3/4"	10	7850004
1"	1"	10	7850005
1.1/4"	3/4"	5	7850006
1.1/4"	1"	5	7850007
1.1/4"	1.1/4"	5	7850008
1.1/2"	1"	1	7850009
1.1/2"	1.1/4"	1	7850010
1.1/2"	1.1/2"	1	7850011
2"	1"	1	7850012
2"	1.1/4"	1	7850013
2"	1.1/2"	1	7850014
2"	2"	1	7850015

ADAPTOR, PLUGS & ELBOWS

BLANKING PLUG OUTLET SEAL



1	2	PACK QTY	CODE
3/4"	-	10	7120005
1"	-	10	7120006
1.1/4"	-	10	7120007
1.1/2"	-	10	7120008
2"	-	10	7120009

Use to seal any metric or rural compression fitting

90 DEGREE RURAL ELBOW



1	2	PACK QTY	CODE
1/2"	-	10	7050001
3/4"	-	10	7050002
1"	-	10	7050003
1.1/4"	-	5	7050004
1.1/2"	-	1	7050005
2"	-	1	7050006

90 DEGREE RURAL FEMALE ELBOW



RURAL	BSPT	PACK QTY	CODE
1/2"	1/2"	10	7150001
3/4"	1/2"	10	7150002
3/4"	3/4"	10	7150003
1"	1/2"	1	7150004
1"	3/4"	10	7150005
1"	1"	10	7150006
1.1/4"	3/4"	5	7150007
1.1/4"	1"	5	7150008
1.1/4"	1.1/4"	5	7150009
1.1/2"	1"	1	7150010
1.1/2"	1.1/4"	1	7150011
1.1/2"	1.1/2"	1	7150012
1.1/2"	2"	1	7150013
2"	1"	1	7150014
2"	1.1/4"	1	7150015
2"	1.1/2"	1	7150016
2"	2"	1	7150017

*Fittings with Stainless Steel Reinforcing Ring

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TEES & TAPPING SADDLE

90 DEGREE RURAL REDUCING TEE



1	2	3	PACK QTY	CODE
3/4"	3/4"	1/2"	10	7340001
1"	1"	3/4"	5	7340002
1.1/4"	1.1/4"	1"	5	7340003
1.1/2"	1.1/2"	1"	1	7340004
1.1/2"	1.1/2"	1.1/4"	1	7340005
2"	2"	1"	1	7340006
2"	2"	1.1/4"	1	7340007
2"	2"	1.1/2"	1	7340008

90 DEGREE RURAL TEE WITH FEMALE THREADED OFFTAKE



1	2	3	PACK QTY	CODE
1/2"	1/2"	1/2"	10	7140001
1/2"	3/4"	1/2"	10	7140002
3/4"	1/2"	3/4"	10	7140003
3/4"	3/4"	1/2"	10	7140004
3/4"	3/4"	3/4"	10	7140005
1"	1"	1/2"	5	7140006
1"	1"	3/4"	5	7140007
1"	1"	1"	5	7140008
1"	1"	1.1/4"	5	7140009
1.1/4"	1"	1"	5	7140010
1.1/4"	1.1/4"	3/4"	5	7140011
1.1/4"	1.1/4"	1"	5	7140012
1.1/4"	1.1/4"	1.1/4"	5	7140013
1.1/4"	1.1/4"	1.1/2"	5	7140014
1.1/2"	1.1/2"	1"	1	7140015
1.1/2"	1.1/2"	1.1/4"	1	7140016
1.1/2"	1.1/2"	1.1/2"	1	7140017
1.1/2"	1.1/2"	2"	1	7140018
2"	2"	1.1/2"	1	7140019
2"	2"	2"	1	7140020

RURAL TAPPING SADDLE



1	2	PACK QTY	CODE
2"	3/4"	1	1602001
2"	1"	1	1602002

GALV* Zinc plated with Chromate passivator - Yellow colour (shiny)

RURAL COMPRESSION FITTINGS

90 DEGREE RURAL TEE



1	2	3	PACK QTY	CODE
1/2"	-	-	10	7040001
3/4"	-	-	10	7040002
1"	-	-	5	7040003
1.1/4"	-	-	5	7040004
1.1/2"	-	-	1	7040005
2"	-	-	1	7040006

90 DEGREE RURAL TEE WITH MALE THREADED OFFTAKE



1	2	34	PACK QTY	CODE
3/4"	3/4"	1/2"	10	7840001
3/4"	3/4"	3/4"	10	7840002
1"	1"	1/2"	5	7840003
1"	1"	3/4"	5	7840004
1.1/4"	1.1/4"	1"	5	7840005
1.1/2"	1.1/2"	1.1/4"	1	7840006
1.1/2"	1.1/2"	1.1/2"	1	7840007
2"	2"	1.1/2"	1	7840008
2"	2"	2"	1	7840009

RURAL TAPPING SADDLE FOR RURAL & METRIC WITH S/STEEL



1	2	BOLTS	CODE
20	1/2"	Metric & Rural (Long Bolts)	1607001
25 (1")	1/2"	Metric & Rural (Long Bolts)	1607002
25 (1")	3/4"	Metric & Rural (Long Bolts)	1607003
32	1/2"	Metric & Rural (Long Bolts)	1607004
32	3/4"	Metric & Rural (Long Bolts)	1607005
32	1"	Metric & Rural (Long Bolts)	1607006
40	1/2"	Metric & Rural (Long Bolts)	1607007
40	3/4"	Metric & Rural (Long Bolts)	1607008
40	1"	Metric & Rural (Long Bolts)	1607009
50 (2")	1/2"	Metric & Rural (Long Bolts)	1607010
50 (2")	1.1/4"	Metric & Rural (Long Bolts)	1607011

GALV* Zinc plated with Chromate passivator - Yellow colour (shiny)



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RURAL COMPRESSION FITTINGS

MISCELLANEOUS RURAL FITTINGS



RURAL ADAPTOR

1	2	PACK QTY	CODE
3/4"	-	10	7005001
1"	-	10	7005002
1.1/4"	-	5	7005003
1.1/2"	-	5	7005004
2"	-	5	7005005



CONVERSION KIT— RURAL TO METRIC

1	2	PACK QTY	CODE
3/4"	20	1	7980001
1"	25	1	7980002
1.1/4"	32	1	7980003
1.1/2"	40	1	7980004
2"	50	1	7980005



RURAL NUT

1	2	PACK QTY	CODE
3/4"	-	1	7004018
1"	-	1	7004019
1 1/4"	-	1	7004020
1 1/2"	-	1	7004021
2"	-	1	7004022

RURAL CONVERSION KIT
METRIC TO RURAL

1	2	PACK QTY	CODE
20	3/4"	1	7980006
25	1"	1	7980007
32	1.1/4"	1	7980008
40	1.1/2"	1	7980009
50	2"	1	7980010



RURAL SPLIT RINGS

1	2	PACK QTY	CODE
3/4"	-	1	7003026
1"	-	1	7003025
1 1/4"	-	1	7003001
1 1/2"	-	1	7003002
2"	-	1	7003003

RURAL CONVERSION KIT
METRIC TO IMPERIAL 'C'

1	2	PACK QTY	CODE
32	1"	1	7990001
40	1.1/4"	1	7990002
50	1.1/2"	1	7990003

MODULAR ADAPTOR FOR



1	2	PACK QTY	CODE
3/4"	-	10	7940001
1"	-	10	7940002
1.1/4"	-	5	7940003
1.1/2"	-	1	7940004
2"	-	1	7940005

RURAL CONVERSION KIT
METRIC TO IMPERIAL 'D'

1	2	PACK QTY	CODE
25	3/4"	1	7990004
32	1"	1	7990005

RURAL COMPRESSION FITTINGS

RURAL COMPRESSION FITTINGS



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BSB THREADED FITTINGS



NIPPLES, PLUG, CAP & SOCKETS

BSP THREADED FITTINGS



THREADED NIPPLE

1	2	PACK QTY	PN WATER	CODE
1/2"	1/2"	10	16	5060001
3/4"	3/4"	10	16	5060002
1"	1"	10	16	5060003
1.1/4"	1.1/4"	10	16	5060004
1.1/2"	1.1/2"	5	16	5060005
2"	2"	5	16	5060006



THREADED CAP

1	2	PACK QTY	PN WATER	CODE
1/2"	-	10	16	5070001
3/4"	-	10	16	5070002
1"	-	10	16	5070003
1.1/4"	-	10	10	5070004
1.1/2"	-	10	10	5070005
2"	-	5	10	5070006



THREADED REDUCING NIPPLE

1	2	PACK QTY	PN WATER	CODE
3/4"	1/2"	10	16	5060007
1"	1/2"	10	16	5060008
1"	3/4"	10	16	5060009
1.1/4"	1/2"	10	16	5060010
1.1/4"	3/4"	10	16	5060011
1.1/4"	1"	10	16	5060012
1.1/2"	1/2"	5	16	5060013
1.1/2"	3/4"	5	16	5060014
1.1/2"	1"	5	16	5060015
1.1/2"	1.1/4"	5	16	5060016
2"	1/2"	5	16	5060017
2"	3/4"	5	16	5060018
2"	1"	5	16	5060019
2"	1.1/4"	5	16	5060020
2"	1.1/2"	5	16	5060021



THREADED SOCKET

1	2	PACK QTY	PN WATER	CODE
1/2"	-	10	16	5010001
3/4"	-	10	16	5010002
1"	-	10	16	5010003
1.1/4"	-	10	10	5010004
1.1/2"	-	10	10	5010005
2"	-	5	10	5010006

**THREADED SOCKET
(STAINLESS STEEL REINFORCED)**



1	2	PACK QTY	PN WATER	CODE
1.1/4"	-	10	16	5011001
1.1/2"	-	10	16	5011002
2"	-	5	16	5011003



THREADED PLUG

1	2	PACK QTY	PN WATER	CODE
3/8"	-	10	16	5170001
1/2"	-	10	16	5170002
3/4"	-	10	16	5170003
1"	-	10	16	5170004
1.1/4"	-	10	16	5170005
1.1/2"	-	10	16	5170006
2"	-	10	16	5170007



THREADED REDUCING SOCKET

1	2	PACK QTY	PN WATER	CODE
3/4"	1/2"	10	16	5110001



BSP THREADED FITTINGS

ELBOWS, TEES, RISER & BUSH

90 DEGREE THREADED ELBOW



1	2	PACK QTY	PN WATER	CODE
1/2"	-	10	16	5050001
3/4"	-	10	16	5050002
1"	-	10	16	5050003
1.1/4"	-	10	10	5050004
1.1/2"	-	5	10	5050005
2"	-	5	10	5050006

90 DEGREE ELBOW (STAINLESS STEEL REINFORCED)



1	2	PACK QTY	PN WATER	CODE
1.1/4"		10	16	5051001
1.1/2"		5	16	5051002
2"		5	16	5051003

90 DEGREE ELBOW WITH FEMALE-MALE THREAD



1	2	PACK QTY	PN WATER	CODE
1/2"	1/2"	10	16	5150001
3/4"	3/4"	10	16	5150002
1"	1"	10	16	5150003

THREADED RISER



1	2	3	PACK QTY	PN WATER	CODE
1/2"	1/2"	150mm long	10	16	5160001
3/4"	1/2"	112mm long	10	16	5160002
3/4"	3/4"	150mm long	10	16	5160003
1"	1"	150mm long	10	16	5160004
1.1/4"	1.1/4"	112mm long	5	16	5160005
1.1/2"	1.1/4"	150mm long	5	16	5160006
1.1/2"	1.1/2"	150mm long	5	16	5160007

THREADED TEE (STAINLESS STEEL REINFORCED)



1	2	PACK QTY	PN WATER	CODE
1.1/4"	-	5	16	5041001
1.1/2"	-	5	16	5041002
2"	-	5	16	5041003

THREADED TEE



1	2	PACK QTY	PN WATER	CODE
1/2"	-	10	16	5040001
3/4"	-	10	16	5040002
1"	-	10	16	5040003
1.1/4"	-	5	10	5040006
1.1/2"	-	5	10	5040004
2"	-	5	10	5040005

THREADED REDUCING BUSH



1	2	PACK QTY	PN WATER	CODE
3/4"	1/2"	10	16	5020001
1"	1/2"	10	16	5020002
1"	3/4"	10	16	5020003
1.1/4"	1/2"	10	10	5020004
1.1/4"	3/4"	10	10	5020005
1.1/4"	1"	10	10	5020006
1.1/2"	1/2"	10	10	5020007
1.1/2"	3/4"	10	10	5020008
1.1/2"	1"	10	10	5020009
1.1/2"	1.1/4"	10	10	5020010
2"	1/2"	5	10	5020011
2"	3/4"	5	10	5020012
2"	1"	5	10	5020013
2"	1.1/4"	5	10	5020014
2"	1.1/2"	5	10	5020015
2.1/2"	2"	5	10	5020016
3"	1"	1	6.3	5020017
3"	1.1/4"	1	6.3	5020018
3"	1.1/2"	1	6.3	5020019
3"	2"	1	6.3	5020020
3"	2.1/2"	1	6.3	5020021
4"	2"	1	6.3	5020022
4"	3"	1	6.3	5020023

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THREADED FITTINGS EXPLAINED

BSP THREADED FITTINGS

PLASSON THREADED FITTINGS EXPLAINED

Plasson threaded fittings are manufactured from Polypropylene for increased strength and, in some applications, enhanced chemical resistance.

Plasson threaded fittings are made to ISO 7.1 which is equivalent to Australian Standard AS ISO 7.1.

Male threads are tapered. Known as BSPT, these fittings are referred to as R threads in the standard.

Female threads are parallel. Known as BSPP, these fittings are referred to as Rp in the standard.

When these threads are screwed together, with the use of a jointing medium, typically Teflon thread tape, a seal is formed.

The enhanced stiffness of the Plasson Polypropylene threaded fittings ensures a good seal between the threads of the male and female parts.

In some applications products are designed with a BSP taper female thread, Rc, which is designed for sealing with a BSP taper male, R. Teflon tape or another jointing medium is required with this connection.



OTHER THREAD STANDARDS

Other thread types are found within Australia, usually in the hydraulic and Gas industry.

The hydraulic industry often uses a "G" thread. While of similar form to the Rp thread, the "G" thread is designed to seal with an o-ring or washer.

NPT threads are often used in the Gas industry. The NPT thread has a thread angle of 55° compared with 60° of the BSP range of fittings. While it is common to interchange these threads it is not recommended.

METRIC THREAD SIZE	IMPERIAL THREAD SIZE
DN6	1/8"
DN8	1/4"
DN10	3/8"
DN15	1/2"
DN20	3/4"
DN25	1
DN32	1.1/4"
DN40	1.1/2"
DN50	2"
DN65	2.1/2"
DN80	3"



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METRIC COMPRESSION FITTINGS



COUPLINGS & ADAPTOR



METRIC COUPLING

1	2	PACK QTY	PN WATER	CODE
16	-	-	16	7010001
20	-	-	16	7010013
25	-	-	16	7010014
32	-	-	16	7010015
40	-	-	16	7010016
50	-	-	16	7010017
**63	-	-	16	7010018
75	-	-	16	7010019
90	-	-	16	7010020
110	-	-	16	7010021
125	-	-	16	7010022
160	-	-	10	7010023

See Page 104 for Mine Fitting Version

METRIC COMPRESSION FITTINGS



METRIC REDUCING COUPLING

1	2	PACK QTY	PN WATER	CODE
20	16	10	16	7110011
25	16	10	16	7110012
25	20	10	16	7110013
32	20	5	16	7110014
32	25	5	16	7110015
40	25	1	16	7110016
40	32	1	16	7110017
50	25	1	16	7110018
50	32	1	16	7110019
50	40	1	16	7110020
63	25	1	16	7110021
63	32	1	16	7110022
63	40	1	16	7110023
63	50	1	16	7110024
75	50	1	16	7110025
75	63	1	16	7110026
90	63	1	16	7110027
90	75	1	16	7110028
110	63	1	16	7110029
110	90	1	16	7110030

METRIC SLIP/REPAIR COUPLING



1	2	PACK QTY	PN WATER	CODE
20	-	10	16	7610001
25	-	10	16	7610002
32	-	5	16	7610003
40	-	1	16	7610004
50	-	1	16	7610005
63	-	1	16	7610006
75	-	1	16	7610007
90	-	1	16	7610008
110	-	1	16	7610009
125	-	1	16	7610010
160	-	1	10	7610011

METRIC PLASCOM COUPLING



1	2	PACK QTY	PN WATER	CODE
20	-	10	-	1201001
25	-	10	-	1201002
32	-	10	-	1201003
40	-	5	-	1201004
50	-	5	-	1201005
63	-	2	-	1201006

METRIC COUPLING BODY



1	2	PACK QTY	PN WATER	CODE
16	-	1	16	7010007
20	-	1	16	7010008
25	-	1	16	7010009
32	-	1	16	7010010
40	-	1	16	7010011
50	-	1	16	7011012
*63	-	1	16	7010024

Suits Metric & Rural Fittings

**Metric only

METRIC UNIVERSAL ADAPTOR



1	2	PACK QTY	PN WATER	CODE
15-22	25PE	1	16	7017001
20-27	25PE	1	16	7017002
20-27	32PE	1	16	7017003
27-35	25PE	1	16	7017004
27-35	32PE	1	16	7017005
*35-50	50PE	1	10	7017006

Note: Universal End connects to Steel, PVC, Copper, PE in shown OD size ranges



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METRIC COMPRESSION FITTINGS



METRIC MALE ADAPTOR

1	2	PACK QTY	PN WATER	CODE
16	1/2"	10	16	7020001
16	3/4"	10	16	7020002
20	1/2"	10	16	7020021
20	3/4"	10	16	7020022
20	1"	10	16	7020023
25	1/2"	10	16	7020024
25	1"	10	16	7020026
32	3/4"	5	16	7020027
32	1"	5	16	7020028
32	1.1/4"	5	16	7020029
32	1.1/2"	5	16	7020030
40	1"	1	16	7020031
40	1.1/4"	1	16	7020032
40	1.1/2"	1	16	7020033
40	2"	1	16	7020034
50	1"	1	16	7020035
50	1.1/4"	1	16	7020036
50	1.1/2"	1	16	7020037
50	2"	1	16	7020038
63	1.1/4"	1	16	7020039
63	1.1/2"	1	16	7020040
63	2"	1	16	7020041
63	2.1/2"	1	16	7020042
75	2"	1	16	7020043
75	2.1/2"	1	16	7020044
75	3"	1	16	7020045
90	2"	1	16	7020046
90	2.1/2"	1	16	7020047
90	3"	1	16	7020048
90	4"	1	16	7020049
110	2"	1	16	7020050
110	3"	1	16	7020051
110	4"	1	16	7020052

METRIC BARREL UNION ADAPTOR WITH MALE BRASS THREAD



1	2	PACK QTY	PN WATER	CODE
32	1"	2	16	7270001
40	1"	2	16	7270002
40	1.1/4"	2	16	7270003
50	1.1/4"	2	16	7270004
50	1.1/2"	2	16	7270005
63	1.1/4"	2	16	7270006
63	1.1/2"	2	16	7270007
63	2"	2	16	7270008

ADAPTORS



METRIC BARREL UNION ADAPTOR WITH MALE THREAD

1	2	PACK QTY	PN WATER	CODE
25	1/2"	1	16	7250001
25	3/4"	1	16	7250002
32	1/2"	1	16	7250003
32	3/4"	1	16	7250004
32	1"	1	16	7250005
40	1"	1	16	7250006
40	1.1/4"	1	16	7250007
40	1.1/2"	1	16	7250008
50	1"	1	16	7250009
50	1.1/4"	1	16	7250010
50	1.1/2"	1	16	7250011
50	2"	1	16	7250012
63	1"	1	16	7250025
63	1.1/4"	1	16	7250026
63	1.1/2"	1	16	7250027
63	2"	1	16	7250028
63	2.1/2"	1	16	7250029
75	1.1/2"	1	12.5	7250030
75	2"	1	12.5	7250031
75	2.1/2"	1	12.5	7250032
75	3"	1	12.5	7250033

METRIC MALE ADAPTOR WITH MALE BRASS THREAD



1	2	PACK QTY	PN WATER	CODE
32	1"	1	16	7720001
32	1.1/4"	1	16	7720002
32	1.1/2"	1	16	7720003
40	1"	1	16	7720004
40	1.1/4"	1	16	7720005
40	1.1/2"	1	16	7720006
50	1"	1	16	7720007
50	1.1/4"	1	16	7720008
50	1.1/2"	1	16	7720009
63	1.1/4"	1	16	7720010
63	1.1/2"	1	16	7720011
63	2"	1	16	7720012

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ADAPTORS & ELBOWS

METRIC FEMALE ADAPTOR WITH PARALLEL THREAD*



1	2	PACK QTY	PN WATER	CODE
25	3/4"	1	16	7037001
25	1"	1	16	7037002
32	1"	1	16	7037003

*For connecting Male Parallel Threads - contains rubber seal in seat.

METRIC COMPRESSION FITTINGS

90 DEGREE METRIC ELBOW ADAPTOR



1	2	PACK QTY	PN WATER	CODE
40	40 (spigot)	1	16	7350001
50	40 (spigot)	1	16	7350002
63	40 (spigot)	1	16	7350003
40	50 (spigot)	1	16	7350004
50	50 (spigot)	1	16	7350005
63	50 (spigot)	1	16	7350006

METRIC FEMALE ADAPTOR



1	2	PACK QTY	PN WATER	CODE
16	1/2"	10	16	7030001
16	3/4"	10	16	7030002
20	1/2"	10	16	7030017
20	3/4"	10	16	7030018
20	1"	10	16	7030019
25	3/4"	10	16	7030020
32	3/4"	5	16	7030022
*32	1"	5	16	7030023
*32	1.1/4"	5	16	7030024
*40	1"	1	16	7030025
*40	1.1/4"	1	16	7030026
*40	1.1/2"	1	16	7030027
*50	1.1/4"	1	16	7030028
*50	1.1/2"	1	16	7030029
*50	2"	1	16	7030030
*63	1.1/4"	1	16	7030031
*63	1.1/2"	1	16	7030032
*63	2"	1	16	7030033
*75	2"	1	16	7030034
*75	2.1/2"	1	16	7030035
*90	2"	1	16	7030036
*90	3"	1	6.3	7030037
*90	4"	1	6.3	7030038
*110	3"	1	6.3	7030039
*110	4"	1	6.3	7030040

*With Stainless Steel Reinforcing Ring

90 DEGREE METRIC ELBOW



1	2	PACK QTY	PN WATER	CODE
16	-	10	16	7050001
20	-	10	16	7050007
25	-	10	16	7050008
32	-	5	16	7050009
40	-	1	16	7050010
50	-	1	16	7050011
63	-	1	16	7050012
75	-	1	16	7050013
90	-	1	16	7050014
110	-	1	16	7050015
160	-	1	10	7050016

90 DEGREE UNIVERSAL ELBOW



1	2	PACK QTY	PN WATER	CODE
16	-	10	16	7050001
20	-	10	16	7050007
25	-	10	16	7050008
32	-	5	16	7050009
40	-	1	16	7050010
50	-	1	16	7050011
63	-	1	16	7050012
75	-	1	16	7050013
90	-	1	16	7050014
110	-	1	16	7050015
160	-	1	10	7050016

Note: Universal End connects to Steel, PVC, Copper, PE in



METRIC COMPRESSION FITTINGS



90 DEGREE METRIC MALE ELBOW

1	2	PACK QTY	PN WATER	CODE
20	1/2"	10	16	7850016
20	3/4"	10	16	7850017
25	1/2"	10	16	7850018
25	3/4"	10	16	7850019
25	1"	10	16	7850020
32	3/4"	5	16	7850021
32	1"	5	16	7850022
32	1.1/4"	5	16	7850023
40	1"	1	16	7850024
40	1.1/4"	1	16	7850025
40	1.1/2"	1	16	7850026
50	1"	1	16	7850027
50	1.1/4"	1	16	7850028
50	1.1/2"	1	16	7850029
50	2"	1	16	7850030
63	1.1/4"	1	16	7850031
63	1.1/2"	1	16	7850032
63	2"	1	16	7850033
75	2.1/2"	1	16	7850034
75	3"	1	16	7850035
90	3"	1	16	7850036
110	4"	1	16	7850037

ELBOWS



90 DEGREE METRIC FEMALE ELBOW

1	2	PACK QTY	PN WATER	CODE
16	1/2"	10	16	7150001
20	1/2"	10	16	7150018
20	3/4"	10	16	7150019
25	1/2"	10	16	7150020
25	3/4"	10	16	7150021
25	1"	10	16	7150022
32	3/4"	5	16	7150023
32	1"	5	16	7150024
*32	1.1/4"	5	16	7150025
40	1"	1	16	7150026
*40	1.1/4"	1	16	7150027
*40	1.1/2"	1	16	7150028
*40	2"	1	16	7150029
50	1"	1	16	7150030
*50	1.1/4"	1	16	7150031
*50	1.1/2"	1	16	7150032
*50	2"	1	16	7150033
*63	1.1/4"	1	16	7150034
*63	1.1/2"	1	16	7150035
*63	2"	1	16	7150036
*75	2"	1	16	7150037
*75	2.1/2"	1	16	7150038
*75	3"	1	6.3	7150039

*With Stainless Steel Reinforcing Ring

90 DEGREE METRIC REDUCING ELBOW



1	2	PACK QTY	PN WATER	CODE
25	20	10	16	7510001

90 DEGREE METRIC MALE ELBOW WITH BRASS THREAD



1	2	PACK QTY	PN WATER	CODE
32	3/4"	1	16	7770001
32	1"	1	16	7770002
32	1.1/4"	1	16	7770003
32	1.1/2"	1	16	7770004
40	1"	1	16	7770005
40	1.1/4"	1	16	7770006
40	1.1/2"	1	16	7770007
50	1"	1	16	7770008
50	1.1/4"	1	16	7770009
50	1.1/2"	1	16	7770010
63	1.1/4"	1	16	7770011
63	1.1/2"	1	16	7770012
63	2"	1	16	7770013

METRIC WALL PLATE ELBOW



1	2	PACK QTY	PN WATER	CODE
16	1/2"	1	16	7750001
20	1/2"	1	16	7750002
25	3/4"	1	16	7750003

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ELBOWS & TEES



45 DEGREE METRIC ELBOW

1	2	PACK QTY	PN WATER	CODE
32	-	5	16	7060001
40	-	1	16	7060002
50	-	1	16	7060003
63	-	1	16	7060004
75	-	1	16	7060005
90	-	1	16	7060006
110	-	1	16	7060007



90 DEGREE METRIC TEE



1	2	PACK QTY	PN WATER	CODE
16	-	10	16	7040001
20	-	10	16	7040007
25	-	10	16	7040008
32	-	5	16	7040009
40	-	1	16	7040010
50	-	1	16	7040011
63	-	1	16	7040012
75	-	1	16	7040013
90	-	1	16	7040014
110	-	1	16	7040015
160	-	1	10	7040016

90 DEGREE METRIC REDUCING TEE



1	2	3	PACK QTY	PN WATER	CODE
20	20	16	10	16	7340009
25	25	20	5	16	7340010
32	32	25	5	16	7340011
40	40	25	1	16	7340012
40	40	32	1	16	7340013
50	50	25	1	16	7340014
50	50	32	1	16	7340015
50	50	40	1	16	7340016
63	63	32	1	16	7340017
63	63	40	1	16	7340018
63	63	50	1	16	7340019
75	75	63	1	16	7340020
110	110	63	1	16	7340021

METRIC COMPRESSION FITTINGS



45 DEGREE METRIC MALE ELBOW

1	2	PACK QTY	PN WATER	CODE
20	1/2"	10	16	7450001
20	3/4"	10	16	7450002

90 DEGREE METRIC SLIP/REPAIR TEE



1	2	3	PACK QTY	PN WATER	CODE
20	-	-	10	16	7046001
25	-	-	5	16	7046002
32	-	-	5	16	7046003
40	-	-	1	12.5	7046004
50	-	-	1	12.5	7046005
63	-	-	1	12.5	7046006

90 DEGREE METRIC INCREASING TEE



1	2	3	PACK QTY	PN WATER	CODE
25	25	32	5	16	7740001

90 DEGREE METRIC TEE WITH THREADED MALE OFFTAKE



1	2	3	PACK QTY	PN WATER	CODE
20	20	1/2"	10	16	7840010
20	20	3/4"	10	16	7840011
25	25	1/2"	5	16	7840012
25	25	3/4"	5	16	7840013
32	32	1"	5	16	7840014
40	40	1.1/4"	1	16	7840015
40	40	1.1/2"	1	16	7840016
50	50	1.1/4"	1	16	7840017
50	50	1.1/2"	1	16	7840018
50	50	2"	1	16	7840019
63	63	1.1/4"	1	16	7840020
63	63	1.1/2"	1	16	7840021
63	63	2"	1	16	7840022



METRIC COMPRESSION FITTINGS

90 DEGREE METRIC COUPLING WITH RISER



1	2	3	PACK QTY	PN WATER	CODE
40	40	3/4"	1	16	7810001
50	50	3/4"	1	16	7810002
50	50	1"	1	16	7810003
63	63	3/4"	1	16	7810004
63	63	1"	1	16	7810005
75	75	3/4"	1	16	7810006
75	75	1"	1	16	7810007

90 DEGREE METRIC TEE WITH THREADED FEMALE OFFTAKE



1	2	3	PACK QTY	PN WATER	CODE
16	16	1/2"	10	16	7140001
16	16	3/4"	10	16	7140002
20	20	1/2"	10	16	7140021
20	20	3/4"	10	16	7140022
25	25	1/2"	5	16	7140023
25	25	3/4"	5	16	7140024
25	25	1"	5	16	7140025
*25	25	1.1/4"	5	16	7140026
32	32	3/4"	5	16	7140027
32	32	1"	5	16	7140028
*32	32	1.1/4"	5	16	7140029
32	32	1.1/2"	5	16	7140030
40	40	1"	1	16	7140031
*40	40	1.1/4"	1	16	7140032
*40	40	1.1/2"	1	16	7140033
*40	40	2"	1	16	7140034
*50	50	1.1/2"	1	16	7140035
*50	50	2"	1	16	7140036
*63	63	1.1/2"	1	16	7140038
*63	63	2"	1	16	7140039
*75	75	2"	1	16	7140040
*75	75	2.1/2"	1	16	7140041
*75	75	3"	1	6.3	7140042
*90	90	3"	1	6.3	7140043
*110	110	4"	1	6.3	7140044

*With Stainless Steel Reinforcing Ring

TEES, Y FITTING & CROSS

90 DEGREE METRIC SLIP TEE



1	2	3	PACK QTY	PN WATER	CODE
40	40	1"	-	12.5	7146001
50	50	1.1/2"	-	12.5	7146002
63	63	1.1/4"	-	12.5	7146003

*With Stainless Steel Reinforcing Ring

90 DEGREE METRIC REDUCING TEE WITH THREADED FEMALE OFFTAKE



1	2	3	PACK QTY	PN WATER	CODE
20	16	3/4"	10	16	7146004
25	20	3/4"	5	16	7146005
32	25	1"	5	16	7146006

*With Stainless Steel Reinforcing Ring

45 DEGREE METRIC TEE



1	2	3	PACK QTY	PN WATER	CODE
63	-	-	1	8	7640001
75	-	-	1	8	7640002
90	-	-	1	8	7640003
110	-	-	1	8	7640004

METRIC MALE Y FITTING



1	2	3	PACK QTY	PN WATER	CODE
16	16	3/4"	1	16	7550001
20	20	3/4"	1	16	7550002
25	25	3/4"	1	16	7550003

METRIC CROSS



1	2	3	PACK QTY	PN WATER	CODE
20	3/4"	1/2"	1	16	7540001

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PLUGS & FLANGED FITTINGS



METRIC END PLUG

1	2	PACK QTY	PN WATER	CODE
20	-	10	16	7120010
25	-	10	16	7120011
32	-	5	16	7120012
40	-	1	16	7120013
50	-	1	16	7120014
63	-	1	16	7120015
75	-	1	16	7120016
90	-	1	16	7120017
110	-	1	16	7120018

METRIC COMPRESSION FITTINGS



METRIC BLANKING PLUG—OUTLET SEAL

1	2	PACK QTY	PN WATER	CODE
20	-	10	12.5	7120005
25	-	10	12.5	7120006
32	-	10	12.5	7120007
40	-	10	12.5	7120008
50	-	10	12.5	7120009
63	-	10	12.5	7120024

METRIC FLANGED COUPLING WITH METAL BACKING FLANGE



METRIC ISO FLANGE		PACK QTY	PN WATER	CODE
50	1.1/2" ISO	1	16	7220001
50	2" ISO	1	16	7220002
63	2" ISO	1	16	7220003
63**	2" ISO	1	16	7225001
75	2.1/2" ISO	1	16	7220004
90	4" ISO	1	16	7220005
110	4" ISO	1	16	7220006
125	5" ISO	1	12.5	7220007
125	6" ISO	1	12.5	7220008
160	5" ISO	1	10	7220009
160	6" ISO	1	10	7220010

Use M 16 bolts with 6" flanges

*See P37 for ISO Flange dimensions and equivalent

METRIC FLANGED ADAPTOR WITH METAL BACKING FLANGE



METRIC ISO FLANGE		PACK QTY	PN WATER	CODE
50	1.1/2" ISO	1	16	7230001
50	2" ISO	1	16	7230002
63	2" ISO	1	16	7230003
63	2.1/2" ISO	1	16	7230004
75	2" ISO	1	16	7230005
75	2.1/2" ISO	1	16	7230006
90	2.1/2" ISO	1	16	7230007
90	4" ISO	1	16	7230008
110	4" ISO	1	16	7230009
110	5" ISO	1	16	7230010
160	5" ISO	1	16	7230011
160	6" ISO	1	16	7230012

Use M16 bolts with 6" flanges.

*See P37 for ISO Flange dimensions and equivalent

METRIC REDUCED



METRIC ISO FLANGE		PACK QTY	PN WATER	CODE
63	4" ISO	1	16	7226001

*See P37 for ISO Flange dimensions and equivalent

Australian Standard Flanges.



METRIC COMPRESSION FITTINGS

METRIC MODULAR ADAPTOR FOR CLOSE/TIGHT ASSEMBLIES



1	2	PACK QTY	PN WATER	CODE
20	-	10	16	7940001
25	-	10	16	7940002
32	-	5	16	7940003
40	-	1	16	7940004
50	-	1	16	7940005
63	-	1	16	7940006

FLANGES, ADAPTOR & SETS

METAL BACKING FLANGE FOR FLANGED COUPLING



METRIC	ISO FLANGE	PACK QTY	PN	CODE
50	1.1/2" ISO	1	-	7006001
50	2" ISO	1	-	7006002
63	2" ISO	1	-	7006003
63	2.1/2" ISO	1	-	7006004
75	2.1/2" ISO	1	-	7006005
90	4" ISO	1	-	7006006
110	4" ISO	1	-	7006007
110	5" ISO	1	-	7006008
125	5" ISO	1	-	7006009
125	6" ISO	1	-	7006010

Zinc Coated Steel

ISO FLANGES TO EN1092-1 PN16

ISO					SIMILAR FLANGE		
ISO SIZE	OD	PCD	# HOLES	Ø HOLES	THICKNESS	DESCRIPTION	CODE
1.1/2"	150	110	4	18	18	2" TABLE E	8900036
						AS2129	8910036
2"	165	125	4	18	20	2.1/2" TABLE E	8900037
						AS2129	8910037
2.1/2"	185	145	8	18	20	3" TABLE E	8900038
						AS2129	8910038
4"	220	180	8	18	22	4" TABLE E	8900039
						AS2129	8910039
5"	250	210	8	18	22	5" TABLE E	8900041
						AS2129	8910041
6"	285	240	8	22	24	6" TABLE E	8900043
						AS2129	8910043

*Similar Australian Standard flanges can be bolted to EN1092-1 PN16 flanges, based on PCD, # holes and Ø holes. It is the user's responsibility to ensure suitability of these arrangements. Other backing flanges are available— See page 31-35 for details

METRIC REDUCING SET



1	2	PACK QTY	PN WATER	CODE	1	2	PACK QTY	PN WATER	CODE
25	20	1	16	7930001	50	32	1	16	7930008
32	20	1	16	7930002	50	40	1	16	7930009
32	25	1	16	7930003	63	25	1	16	7930010
40	20	1	16	7930004	63	32	1	16	7930011
40	25	1	16	7930005	63	40	1	16	7930012
40	32	1	16	7930006	63	50	1	16	7930013
50	25	1	16	7930007	110	63	1	16	7930014

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ADAPTOR, COPPER, POLYBUT & PVC

METRIC COMPRESSION FITTINGS

METRIC SHOULDERED ADAPTOR



1	2	PACK QTY	PN WATER	CODE
50	2"	1	16	7320001
63	2"	1	16	7325001
90	4"	1	16	7320002
110	4"	1	16	7320003
160	6"	1	16	7320004



METRIC POLY TO COPPER CONNECTOR

1	2	PACK QTY	PN WATER	CODE
PE	CU			
16	15	1	16	7113001
16	20	1	16	7113002
20	15	1	16	7113003
20	20	1	16	7113004
25	15	1	16	7113005
25	20	1	16	7113006
25	25	1	16	7113007
32	20	1	16	7113008
32	25	1	16	7113009

Note: If the fitting is to be re-used then a new SS split ring must be inserted.



METRIC POLY TO COPPER TEE

1	2	PACK QTY	PN WATER	CODE
PE	CU			
20	15	1	16	7043001
25	15	1	16	7043002
25	20	1	16	7043003
25	25	1	16	7043004
32	25	1	16	7043005



METRIC POLY TO COPPER ELBOW

1	2	PACK QTY	PN WATER	CODE
PE	CU			
20	15	1	16	7056001
20	20	1	16	7056002
25	15	1	16	7056003
25	20	1	16	7056004
25	25	1	16	7056005

METRIC POLY TO COPPER KIT*



1	2	PACK QTY	PN WATER	CODE
PE	CU			
20	15	1	16	7439001
25	20	1	16	7439002
25	25	1	16	7439003

*15 NB Copper Kit fits any 20mm Plasson end. 20 & 25 NB Copper Kit fits any 25mm Plasson end. The 15 & 20 NB Kit contains copper coloured nut, rubber liner, SS Ring and copper coloured cone.

The 25 kit contains copper coloured nut, SS ring and coloured cone - rubber liner NOT required.



METRIC POLY TO COPPER STOPCOCK

1	2	PACK QTY	PN WATER	CODE
PE	CU			
20	15	1	12.5	3408001
25	20	1	12.5	3408002

METRIC POLY TO

POLYBUTYLENE CONNECTOR



PE	PB	PACK QTY	CODE
25	18	10	7112001
25	22	10	7112002

METRIC POLY TO POLYBUTYLENE KIT



PE	PB	PACK QTY	CODE
25	22	10	7435001

METRIC POLY TO PVC CONNECTOR

1	2	PACK QTY	PN WATER	CODE
63PE	50 (2")	-	16	7112001
110PE	100 (4")	-	16	7112002



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METRIC COMPRESSION FITTINGS ADAPTOR/REPAIR COUPLING & NUT

METRIC STEEL/PVC ADAPTOR/REPAIR COUPLING - THRUSTED

1	2	PACK QTY		CODE
1" / 25	-	1	Fits 40mm Plasson Fitt	7890001
1.1/4" / 32	-	1	Fits 50mm Plasson Fitt	7890002
1.1/2" / 40	-	1	Fits 50mm Plasson Fitt	7890003
2" / 50	-	1	Fits 63mm Plasson Fitt	7890004

PE to Steel/PVC Adaptor - (Thrusted: for pipe which is not secure - includes SS Split Ring & Cone to grip onto pipe)



METRIC STEEL/PVC ADAPTOR/REPAIR COUPLING - UNTHRUSTED

1	2	PACK QTY		CODE
25 / 1"	-	1	Fits 40mm Plasson Fitt	7890005
32 / 1.1/4"	-	1	Fits 50mm Plasson Fitt	7890006
40 / 1.1/2"	-	1	Fits 50mm Plasson Fitt	7890007
50 / 2"	-	1	Fits 63mm Plasson Fitt	7890008

PE to Steel/PVC Adaptor - (Unthrusted: for pipe which is secured - does not require thrusting).



METRIC BLACK METRIC NUT PP



1	2	PACK QTY	CODE
16	-	1	7004001
20	-	1	7004002
25	-	1	7004003
32	-	1	7004004
40	-	1	7004005
50	-	1	7004006
63	-	1	7004007
75	-	1	7004008
90	-	1	7004009
110	-	1	7004010
125	-	1	7004011

METRIC LILAC METRIC NUT PP



1	2	PACK QTY	CODE
20	-	1	7004012
25	-	1	7004013
32	-	1	7004014
40	-	1	7004015
50	-	1	7004016
63	-	1	7004017

RINGS

METRIC COMPRESSION FITTINGS

METRIC O-RING

1	2	3	PACK QTY	CODE
				NITRILE NBR
16	-	-	100	7002001
20	-	-	100	7002002
25	-	-	100	7002003
32	-	-	100	7002004
! 40	-	-	20	7002005
! 50	-	-	20	7002006
! 63 (1)	-	-	20	7002007
75	-	-	10	7002008
90	-	-	10	7002009
110	-	-	10	7002010
125	-	-	10	7002011
160	-	-	10	7002012



1	2	PACK QTY	7910*	CODE
			EPDM+	VITON FPM+
16	-	100	7002013	3050003
20	-	100	7002014	7002023
25	-	100	7002015	7002024
32	-	100	7002016	7002025
! 40	-	20	7002017	7002026
! 50	-	20	7002018	7002027
! 63 (1)	-	20	7002019	7002028
75	-	10	7002020	7002029
90	-	10	7002021	7002030
110	-	10	7002022	7002031



!For fittings supplied before Jan 2003, check seal shape.

(1) Note 63 mine fittings use this ring.

*Blue Mark - a better chemical resistance than NBR.

TRAPEZE RINGS—SERIES 97

1	2	PACK QTY	CODE
			NITRILE NBR
40	-	1	7002032
50	-	1	7002033
63	-	1	7002034
			EPDM+
			VITON FPM+
40	-	1	7002035
50	-	1	7002036
63	-	1	7002037



*Blue Mark - a better chemical resistance than NBR.

**White mark - a better chemical resistance than NBR.

+ When these rings are used, the use of CPVC split rings will usually be required



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METRIC COMPRESSION FITTINGS RINGS, CONVERSION KITS & TOOLS

METRIC SPLIT RING



1	2	PACK QTY	7003* ACETAL (POM)	7008** C-PVC
16	-	1	7003004	7003015
20	-	1	7003005	7003016
25	-	1	7003006	7003017
32	-	1	7003007	7003018
40	-	1	7003008	7003019
50	-	1	7003009	7003020
63	-	1	7003010	7003021
75	-	1	7003011	7003022
90	-	1	7003012	7003023
110	-	1	7003013	7003024
125	-	1	7003014	-

*Standard Acetal split ring supplied with fittings - milky white colour.

**Used in place of Acetal in acid or aggressive chemical

METRIC POLYPROPYLENE INSERTS FOR METRIC FITTINGS



1	2	PACK QTY	PN WATER	CODE
75	-	1	-	7005006
90	-	1	-	7005007
110	-	1	-	7005008
125(lower)	-	1	-	7005009
125(upper)	-	1	-	7005010

METRIC CONVERSION KIT



1	2	PACK QTY	PN WATER	CODE
20	3/4"	1	6	7980006
25	1"	1	6	7980007
32	1.1/4"	1	6	7980008
40	1.1/2"	1	6	7980009
50	2"	1	6	7980010

METRIC CONVERSION KIT RURAL TO METRIC



1	2	PACK QTY	PN WATER	CODE
20	3/4"	1	6	7980006
25	1"	1	6	7980007
32	1.1/4"	1	6	7980008
40	1.1/2"	1	6	7980009
50	2"	1	6	7980010

METRIC CONVERSION KIT METRIC TO IMPERIAL "C"



1	2	PACK QTY	PN WATER	CODE
32	1"	1	9	7990001
40	1.1/4"	1	9	7990002
50	1.1/2"	1	9	7990003

METRIC CONVERSION KIT METRIC TO IMPERIAL "D"



1	2	PACK QTY	PN WATER	CODE
25	3/4"	1	12	7990004
32	1"	1	12	7990005

METRIC WRENCH



1	2	PACK QTY	PN WATER	CODE
16	40	5	-	7990006
40	75	1	-	7990007
63	125	1	-	7990008

For closing and tightening the PP nuts of Plasson fittings

It is important when closing the nut on Plasson fittings that the nut is NOT OVER-TIGHTENED as the nut can be deformed - this may result in a pipe blowing or pulling out of a fitting

Hand tighten and a further 1/2 turn with the wrench.

For rural 1/2" - 2" and metric 16-32mm a wrench is not

METRIC CHAMFER TOOL



1	2	PACK QTY	PN WATER	CODE
20	63	1	-	7960001
FOR CHAMFER TOOL				7960002

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METRIC MINE FITTINGS

METRIC MINE COUPLING



1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7015001

METRIC MINE REPAIR COUPLING



1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7615001

METRIC MINE REDUCING COUPLING



1	2	PACK QTY	PN WATER	CODE
63	25	-	16	7115001
63	32	-	16	7115002
63	40	-	16	7115003
63	50	-	16	7115004
90	63	-	16	7115005
110	63	-	16	7110029

METRIC MINE MALE ADAPTOR



1	2	PACK QTY	PN WATER	CODE
63	1.1/4"	-	16	7025001
63	1.1/2"	-	16	7025002
63	2"	-	16	7025003
63	2.1/2"	-	16	7025004

METRIC MINE FEMALE ADAPTOR



1	2	PACK QTY	PN WATER	CODE
63	1.1/4"	-	16	7035001
63	1.1/2"	-	16	7035002
63	2"	-	16	7035003

METRIC MINE SHOULDERED ADAPTOR



1	2	PACK QTY	PN WATER	CODE
63	2"	-	16	7325001

METRIC COMPRESSION FITTINGS

90 DEGREE METRIC MINE ELBOW



1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7055001

90 DEGREE METRIC MINE ELBOW MALE



1	2	PACK QTY	PN WATER	CODE
63	1.1/4"	-	16	7855001
63	1.1/2"	-	16	7855002
63	2"	-	16	7855003

90 DEGREE METRIC MINE ELBOW FEMALE



1	2	PACK QTY	PN WATER	CODE
63	1.1/4"	-	16	7155001
63	1.1/2"	-	16	7155002
63	2"	-	16	7155003

45 DEGREE METRIC MINE ELBOW



1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7065001

METRIC MINE TEE



1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7045001

METRIC MINE SLIP/REPAIR TEE



1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7046007



METRIC COMPRESSION FITTINGS

METRIC MINE FITTINGS

METRIC MINE REDUCING TEE



1	2	PACK QTY	PN WATER	CODE
63	32	-	16	7345001
63	40	-	16	7345002
63	50	-	16	7345003
63	110	-	16	POA

90 DEGREE METRIC MINE TEE MALE



1	2	PACK QTY	PN WATER	CODE
63	1.1/4"	-	16	7845001
63	1.1/2"	-	16	7845002
63	2"	-	16	7845003

90 DEGREE METRIC MINE TEE FEMALE



1	2	PACK QTY	PN WATER	CODE
63	1.1/4"	-	16	7145001
63	1.1/2"	-	16	7145002
63	2"	-	16	7145003

METRIC MINE END PLUG



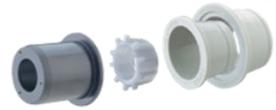
1	2	PACK QTY	PN WATER	CODE
63	-	-	16	7125001

METRIC MINE FLANGED COUPLING



1	2	PACK QTY	PN WATER	CODE
63	2.1/2"	-	16	7225001

METRIC MINE REDUCING SET



1	2	PACK QTY	PN WATER	CODE
63	25	-	16	7930010
63	32	-	16	7930011
63	40	-	16	7930012
63	50	-	16	7930013
110	63	-	16	7930014

To make reductions form one pipe size to another, fits any compression end

METRIC POLYPROPYLENE INSERTS FOR METRIC FITTINGS



1	2	PACK QTY	PN WATER	CODE
63	-	1	-	1400001
75	-	1	-	7005006
90	-	1	-	7005007
110	-	1	-	7005008
125	-	1	-	7005009
125	-	1	-	7005010

NOTES



GWG GLOBAL WATER GROUP

E: sales@gwgpoly.com.au

Townsville: 07 4779 0173 Brisbane: 07 3517 5595

www.gwgvalvesandpoly.com.au

TOOLING



GWG WELDING WIPES
 Electrofusion & Butt Welding
 90% v/v Isopropyl

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CONTROL UNITS & SCRAPING TOOLS

TOOLING

IPLAST 105 CONTROL UNIT

TOOL	CODE	W (KG)
20-1200	IPLAST105	24



IPLAST 60 CONTROL UNIT

TOOL	CODE	W (KG)
20-400	IPLAST60	18.5



HAND SCRAPER

TOOL	CODE
Hand Scraper - Small 1.1/2"	2006001
Blades for Small Hand Scraper (2)	2006002
Hand Scraper - Large 2.1/2"	2006003
Blades for Large Hand Scraper (2)	2006004



DRILL MOUNTED SCRAPER TOOL

TOOL	CODE
Scraping depth suitable for repair fittings. Hexagon spigot for cordless driller	
Scraper Head 16mm for Pipe Ends	2006005
Scraper Head 20mm for Pipe Ends	2006006
Scraper Head 25mm for Pipe Ends	2006007
Scraper Head 32mm for Pipe Ends	2006008
Scraper Head 40mm for Pipe Ends	2006009
Scraper Head 50mm for Pipe Ends	2006010
Scraper Head 63mm for Pipe Ends	2006011
Spare Blade for Scraping Head	2006012



ROTATIONAL SCRAPER TOOL

TOOL	CODE
Rotational Pipe Scraper 25-63	2006013
Rotational Pipe Scraper Tool 25-110mm	2006014
Spare Blade for Rotational Scrapers 63/110mm	2006012
Rotational Pipe Scraper Tool 90-315mm	2006015
Spare Blade for Rotational Scraper 90-315mm	2006016



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TOOLING

SCRAPING TOOLS, CHAMFER & WIPES

ROTATIONAL PIPE END SCRAPER TOOL

TOOL	CODE
Rotational Pipe End Scraper Tool 63-200mm	2006017
Rotational Pipe End Scraper Tool 90-315mm	2006018
Rotational Pipe End Scraper Tool 180-400mm	2006019
Spare Blade for Rotational Scraper Tool 63-180, 63-200mm	2006020
Spare Blade for Rotational Scraper Tool 90-315, 180-400mm	2006029



ROTATIONAL CHAIN SCRAPER TOOL

TOOL	CODE
Rotational Scraper Tool 250-450mm	2006021
Rotational Scraper Tool 250-800mm	2006022
Extension Links 900-1000mm for Rotational Chain Scraper 250-800mm	2006023
Rotational Scraper Tool 800-1200mm	2006024
Spare Blade for Rotational Chain Scraper Tools	2006016



CHAMFER/ BEVELER

TOOL	CODE
RI Pipe Beveler 40-315 mm 40mm-315mm and wall thickness up to 30mm To prepare the ends of pipe (suitable for PE, PP, PVDF, PVC) Helps to prevent damage to electrofusion zones during pipe insertion. Recommended for diameter above 125mm and all pipes from coils.	2006026
RI Pipe Beveler Spare Blade	2006025



SCRAPERS

TOOL	CODE
Electrical Saddle Scraper (230V)-(In 1450W out 830W) (230V) ≥ 110mm pipes. Cordless available on request (18V).	2012003
Pneumatic Saddle Scraper	2012004

GWG WELDING WIPES

TOOL	CODE
GWG WELDING WIPES	EFWIPES

These specialised moist wipes are impregnated with a high specification solution containing 90% V/V Isopropyl Alcohol. Ensure surfaces are clean before butt or electrofusion jointing (scraping of pipe surface is still required). 75 sheets per canister



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PEELING

In order to achieve a good weld the oxidised surface of the pipe must first be removed. The removal of this oxidised surface layer is achieved using a mechanical peeling tool.

Mechanical or rotational peeling tools must be capable of removing a continuous and uniform peel thickness from the outer oxidised surface, in the case of socket type fittings over the required insertion depth, and in the case of saddle fittings over the full area of the saddle base when preparing the fusion zone.

PIPE PEEL DEPTH REQUIREMENTS

PIPE DN	Peel Depth (mm) See Note
≤ DN25	0.2 Maximum
DN32 - DN63	0.2 - 0.3
DN75 - DN225	0.2 – 0.4
>DN225	0.3 – 0.5



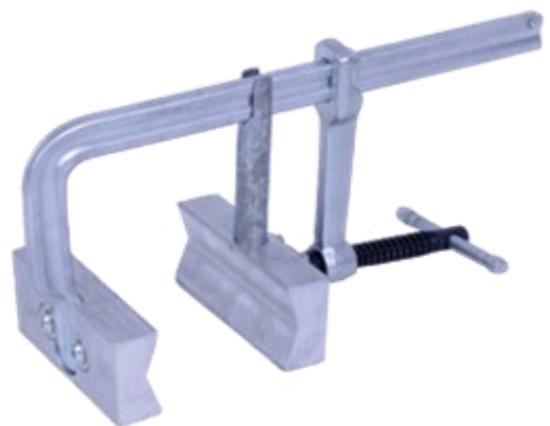
CLEANING

The surfaces to be EF welded must be completely clean and free of contaminants. It is essential to clean the peeled surface with unused approved alcohol wipes to remove traces of dirt, mud and other contamination.

RE-ROUNDING AND ALIGNMENT CLAMP

Alignment clamps are required for restraining, aligning or reducing the annular gap between the pipe and fitting during the fusion cycle.

Re-rounding clamps should be readily available for every electrofusion weld and must be used when the dimensions of the pipe fall out of the dimensions specified within POP014.



More information can be found at www.pipa.com.au



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