

TECHNICAL DATA

Standards:	AS/NZS 4129 PE Fittings AS/NZS 4130 PE Pipe AS/NZS 4131 PE Materials
Size Range:	DN 20 – DN 1200 (varies by product type)
Material:	AS/NZS 4131 Polyethylene materials
Pressure Range:	PE100 PN 16, PN 10, PN 20, PN 25
Spigot Options:	Short Spigot Suitable for butt welding only Long Spigot Suitable for butt welding and electrofusion welding



PRODUCT RANGE

Products listed in this data sheet are PE100 SDR 11 PN16 fittings unless noted otherwise.

	SDR 11 (PN 16)	SDR 17.6 (PN 10)	SDR 9 (PN 20)	SDR 7.4 (PN 25)
Elbows	Standard	Option	* Limited	* Limited
Bends	Standard	Option		
Sweep Bends	Standard	Option		
Tees	Standard	Option	* Limited	* Limited
Tees - 45 deg	Standard	Option		
Reducers	Standard	Option	* Limited	* Limited
Caps	Standard	Option	* Limited	* Limited
Adaptors	Standard	Option		
Stub Flanges	Standard	Option	* Limited	* Limited

* Limited range of elbows, tees, reducers and stub flanges available on special request.

FABRICATED SPECIALS

Special Fabrications generally consist of the following PE components:

- PE moulded fittings manufactured to AS/NZS 4129
- PE pipe manufactured to AS/NZS 4130
- PE machined fittings using PE material in accordance with AS/NZS 4131



PRESSURE DERATING may apply depending on the fabrication process, materials used and the angle of welding.

Refer to PIPA Guideline POP006 for further details



BENDS/ELBOWS – LONG SPIGOT PN16

Dia	90 Deg	45 Deg
20	PBBE020	PBBE02045
25	PBBE025	PBBE02545
32	PBBE032	PBBE03245
40	PBBE040	PBBE04045
50	PBBE050	PBBE05045
63	PBBE063	PBBE06345
75	PBBE075	PBBE07545
90	PBBE090	PBBE09045
110	PBBE110	PBBE11045
125	PBBE125	PBBE12545
140	PBBE140	PBBE14045
160	PBBE160	PBBE16045
180	PBBE180	PBBE18045
200	PBBE200	PBBE20045
225	PBBE225	PBBE22545
250	PBBE250	PBBE25045
280	PBBE280	PBBE28045
315	PBBE315	PBBE31545
355	PBBE355	PBBE35545
400	PBBE400	PBBE40045
450	PBBE450	PBBE45045
500	PBBE500	PBBE50045



BENDS – SHORT SPIGOT PN16

Dia	Nom Radius	90 Deg
20	20	PBB020
25	25	PBB025
32	32	PBB032
40	40	PBB040
50	50	PBB050
63	63	PBB063
75	75	PBB075
90	90	PBB090
110	110	PBB110
125	125	PBB125
140	140	PBB140
160	160	PBB160
180	180	PBB180
200	200	PBB200
225	225	PBB225
250	250	PBB250
280	280	PBB280
315	315	PBB315
355	355	PBB355
400	400	PBB400



SWEEP BENDS – LONG SPIGOT PN16

Dia	90 Deg	60 Deg	45 Deg	30 Deg
50	PBBS050	PBBS05060	PBBS05045	PBBS05030
63	PBBS063	PBBS06360	PBBS06345	PBBS06330
75	PBBS075	PBBS07560	PBBS07545	PBBS07530
90	PBBS090	PBBS09060	PBBS09045	PBBS09030
110	PBBS110	PBBS11060	PBBS11045	PBBS11030
125	PBBS125	PBBS12560	PBBS12545	PBBS12530
140	PBBS140	PBBS14060	PBBS14045	PBBS14030
160	PBBS160	PBBS16060	PBBS16045	PBBS16030
180	PBBS180	PBBS18060	PBBS18045	PBBS18030
200	PBBS200	PBBS20060	PBBS20045	PBBS20030
225	PBBS225	PBBS22560	PBBS22545	PBBS22530
250	PBBS250	PBBS25060	PBBS25045	PBBS25030
280	PBBS280	PBBS28060	PBBS28045	PBBS28030
315	PBBS315	PBBS31560	PBBS31545	PBBS31530
355	PBBS355	PBBS35560	PBBS35545	PBBS35530
400	PBBS400	PBBS40060	PBBS40045	PBBS40030
450	PBBS450	PBBS45060	PBBS45045	PBBS45030
500	PBBS500	PBBS50060	PBBS50045	PBBS50030
560	PBBS560	PBBS56060	PBBS56045	PBBS56030
630	PBBS630	PBBS63060	PBBS63045	PBBS63030

Other angles available on special request



SEGMENTED BENDS – PN Rating Varies

Dia	90 Deg	60 Deg	45 Deg	30 Deg
90	PBBX090	PBBX09060	PBBX09045	PBBX09030
110	PBBX110	PBBX11060	PBBX11045	PBBX11030
125	PBBX125	PBBX12560	PBBX12545	PBBX12530
140	PBBX140	PBBX14060	PBBX14045	PBBX14030
160	PBBX160	PBBX16060	PBBX16045	PBBX16030
180	PBBX180	PBBX18060	PBBX18045	PBBX18030
200	PBBX200	PBBX20060	PBBX20045	PBBX20030
225	PBBX225	PBBX22560	PBBX22545	PBBX22530
250	PBBX250	PBBX25060	PBBX25045	PBBX25030
280	PBBX280	PBBX28060	PBBX28045	PBBX28030
315	PBBX315	PBBX31560	PBBX31545	PBBX31530

Fabricated Segmented Bends are derated by 0.8 factor in accordance with PIPA Guidelines POP006 eg:

Pipe class used for fabrication:	PN20	PN16	PN12.5
Pressure Class after fabrication:	PN16	PN12.5	PN10



TEES - EQUAL PN16

Dia	Branch Dia	Short Spigot	Long Spigot
20	20	PBT020	PBTE020
25	25	PBT025	PBTE025
32	32	PBT032	PBTE032
40	40	PBT040	PBTE040
50	50	PBT050	PBTE050
63	63	PBT063	PBTE063
75	75	PBT075	PBTE075
90	90	PBT090	PBTE090
110	110	PBT110	PBTE110
125	125	PBT125	PBTE125
140	140	PBT140	PBTE140
160	160	PBT160	PBTE160
180	180	PBT180	PBTE180
200	200	PBT200	PBTE200
225	225	PBT225	PBTE225
250	250	PBT250	PBTE250
280	280	PBT280	PBTE280
315	315	PBT315	PBTE315
355	355	PBT355	PBTE355
400	400	PBT400	PBTE400
450	450	PBT450	PBTE450
500	500	PBT500	PBTE500
560	560	PBT560	PBTE560
630	630	PBT630	PBTE630

TEES - REDUCING PN16 (DN 50-125)

Dia	Branch Dia	Short Spigot	Long Spigot
50	25		PBTE050025
50	32		PBTE050032
50	40		PBTE050040
63	32		PBTE063032
63	40		PBTE063040
63	50		PBTE063050
75	32		PBTE075032
75	40		PBTE075040
75	50		PBTE075050
75	63		PBTE075063
90	50		PBTE090050
90	63		PBTE090063
90	75		PBTE090075
110	50	PBT110050	PBTE110050
110	63		PBTE110063
110	75		PBTE110075
110	90		PBTE110090
125	63	PBT125063	PBTE125063
125	90		PBTE125090
125	110		PBTE125110



TEES - REDUCING PN16 (DN 140-400)

Dia	Branch Dia	Short Spigot	Long Spigot
140	90	PBT140090	PBTE140090
140	110	PBT140110	PBTE140110
140	125		PBTE140125
160	63		PBTE160063
160	75		PBTE160075
160	90		PBTE160090
160	110		PBTE160110
160	125	PBT160125	PBTE160125
180	90		PBTE180090
180	110		PBTE180110
180	125	PBT180125	PBTE180125
180	160		PBTE180160
200	63		PBTE200063
200	90		PBTE200090
200	110		PBTE200110
200	125		PBTE200125
200	160		PBTE200160
225	90		PBTE225090
225	110		PBTE225110
225	125		PBTE225125
225	160		PBTE225160
225	180		PBTE225180
250	90		PBTE250090
250	110		PBTE250110
250	125		PBTE250125
250	160		PBTE250160
250	225		PBTE250225
280	110		PBTE280110
280	160		PBTE280160
280	200		PBTE280200
280	225		PBTE280225
280	250		PBTE280250
315	110		PBTE315110
315	160		PBTE315160
315	200		PBTE315200
315	225		PBTE315225
315	250		PBTE315250
355	90	PBT355090	
355	110		PBTE355110
355	125	PBT355125	
355	160		PBTE355160
355	180	PBT355180	
355	225		PBTE355225
400	90	PBT400090	
400	110		PBTE400110
400	125	PBT400125	
400	160		PBTE400160
400	180	PBT400180	
400	225		PBTE400225



HYDRANT TEES – FLANGED BRANCH (FULL FACE) PN16

Tee, PE Full Face Flange with SS Backing Ring

Dia	Branch Dia	Flange Drilling	Product Code
125	90	80 & 100 T/D	PBTFF125090
125	125	100 T/D	PBTFF125125
180	90	80 & 100 T/D	PBTFF180090
180	125	100 T/D	PBTFF180125
250	90	80 & 100 T/D	PBTFF250090
250	125	100 T/D	PBTFF250125
250	90	80 & 100 T/D	PBTFF250090

Other sizes and configurations available.

Flanged branch: Full Face stub flange with SS Backing Ring
(Optional Gal Backing Ring on special request)



SCOUR TEES – LONG SPIGOT FABRICATED PN16

Dia	Branch Dia	Spigot Branch	Flange Branch	Flange Drilling
125	90	PBSTP125090	PBSTPF125090	80 & 100 T/D
180	90	PBSTP180090	PBSTPF180090	80 & 100 T/D
250	90	PBSTP250090	PBSTPF250090	80 & 100 T/D
250	125	PBSTP250125	PBSTPF250125	100 T/D
315	125	PBSTP315125	PBSTPF315125	100 T/D
315	180	PBSTP315180	PBSTPF315180	150 T/D
355	125	PBSTP355125	PBSTPF355125	100 T/D
355	180	PBSTP355180	PBSTPF355180	150 T/D

Other sizes and configurations available.

Flanged branch: Full Face stub flange with SS Backing Ring
(Optional Gal Backing Ring on special request)



TEE ANGLE BRANCH – EQUAL PN16

Dia	Branch Dia	Branch Angle	Long Spigot
63	63	45 Deg	PBYE063
75	75	45 Deg	PBYE075
90	90	45 Deg	PBYE090
110	110	45 Deg	PBYE110
125	125	45 Deg	PBYE125
140	140	45 Deg	PBYE140
160	160	45 Deg	PBYE160
180	180	45 Deg	PBYE180
200	200	45 Deg	PBYE200
225	225	45 Deg	PBYE225
250	250	45 Deg	PBYE250





REDUCERS - CONCENTRIC PN16 (DN 25-200)

Dia	Dia	Short Spigot	Long Spigot
25	20	PBR025020	PBRE025020
32	20	PBR032020	PBRE032020
32	25	PBR032025	PBRE032025
40	20	PBR040020	PBRE040020
40	25	PBR040025	PBRE040025
40	32	PBR040032	PBRE040032
50	25	PBR050025	PBRE050025
50	32	PBR050032	PBRE050032
50	40	PBR050040	PBRE050040
63	25		PBRE063025
63	32	PBR063032	PBRE063032
63	40	PBR063040	PBRE063040
63	50	PBR063050	PBRE063050
75	32	PBR075032	PBRE075032
75	40	PBR075040	PBRE075040
75	50	PBR075050	PBRE075050
75	63	PBR075063	PBRE075063
90	50	PBR090050	PBRE090050
90	63	PBR090063	PBRE090063
90	75	PBR090075	PBRE090075
110	50	PBR110050	
110	63	PBR110063	PBRE110063
110	75	PBR110075	PBRE110075
110	90	PBR110090	PBRE110090
125	63	PBR125063	PBRE125063
125	75	PBR125075	PBRE125075
125	90	PBR125090	PBRE125090
125	110	PBR125110	PBRE125110
140	75	PBR140075	PBRE140075
140	90	PBR140090	PBRE140090
140	110	PBR140110	PBRE140110
140	125	PBR140125	PBRE140125
160	90	PBR160090	PBRE160090
160	110	PBR160110	PBRE160110
160	125	PBR160125	PBRE160125
160	140	PBR160140	PBRE160140
180	90	PBR180090	PBRE180090
180	110	PBR180110	PBRE180110
180	125	PBR180125	PBRE180125
180	140	PBR180140	PBRE180140
180	160	PBR180160	PBRE180160
200	110		PBRE200110
200	140	PBR200140	PBRE200140
200	160	PBR200160	PBRE200160
200	180	PBR200180	PBRE200180



REDUCERS - CONCENTRIC PN16 (DN 225-630)

Dia	Dia	Short Spigot	Long Spigot
225	110		PBRE225110
225	140	PBR225140	
225	160	PBR225160	PBRE225160
225	180	PBR225180	PBRE225180
225	200	PBR225200	PBRE225200
250	160	PBR250160	PBRE250160
250	180	PBR250180	PBRE250180
250	200	PBR250200	PBRE250200
250	225	PBR250225	PBRE250225
280	180		PBRE280180
280	200	PBR280200	PBRE280200
280	225	PBR280225	PBRE280225
280	250	PBR280250	PBRE280250
315	225	PBR315225	PBRE315225
315	250	PBR315250	PBRE315250
315	280	PBR315280	PBRE315280
355	250	PBR355250	PBRE355250
355	280	PBR355280	
355	315	PBR355315	PBRE355315
400	280	PBR400280	
400	315	PBR400315	
400	355	PBR400355	
450	315	PBR450315	
450	355	PBR450355	
450	400	PBR450400	
500	355	PBR500355	
500	400	PBR500400	
500	450	PBR500450	
560	400	PBR560400	
560	450	PBR560450	
560	500	PBR560500	
630	450	PBR630450	
630	500	PBR630500	
630	560	PBR630560	



REDUCERS – ECCENTRIC PN16

Dia	Dia	Short Spigot
160	90	PBRX16090
160	110	PBRX160110
160	125	PBRX160125
160	140	PBRX160140
180	110	PBRX180110
180	125	PBRX180125
180	140	PBRX180140
180	160	PBRX180160
200	125	PBRX200125
200	140	PBRX200140
200	160	PBRX200160
200	180	PBRX200180
225	140	PBRX225140
225	160	PBRX225160
225	180	PBRX225180
225	200	PBRX225200
250	160	PBRX250160
250	180	PBRX250180
250	200	PBRX250200
250	225	PBRX250225
280	180	PBRX280180
280	200	PBRX280200
280	225	PBRX280225
280	250	PBRX280250
315	200	PBRX315200
315	225	PBRX315225
315	250	PBRX315250
315	280	PBRX315280
355	225	PBRX355225
355	250	PBRX355250
355	280	PBRX355280
355	315	PBRX355315
400	250	PBRX400250
400	280	PBRX400280
400	315	PBRX400315
400	355	PBRX400355
450	280	PBRX450280
450	315	PBRX450315
450	355	PBRX450355
450	400	PBRX450400
500	280	PBRX500280
500	315	PBRX500315
500	355	PBRX500355
500	400	PBRX500400
500	450	PBRX500450
560	400	PBRX560400
560	450	PBRX560450
560	500	PBRX560500
630	450	PBRX630450
630	500	PBRX630500
630	560	PBRX630560



END CAPS – PN16

Dia	Short Spigot	Long Spigot
20	PBC020	PBCE020
25	PBC025	PBCE025
32	PBC032	PBCE032
40	PBC040	PBCE040
50	PBC050	PBCE050
63	PBC063	PBCE063
75	PBC075	PBCE075
90	PBC090	PBCE090
110	PBC110	PBCE110
125	PBC125	PBCE125
140	PBC140	PBCE140
160	PBC160	PBCE160
180	PBC180	PBCE180
200	PBC200	PBCE200
225	PBC225	PBCE225
250	PBC250	PBCE250
280	PBC280	PBCE280
315	PBC315	PBCE315
355	PBC355	PBCE355
400	PBC400	PBCE400
450	PBC450	PBCE450
500	PBC500	PBCE500
560	PBC560	PBCE560
630	PBC630	PBCE630



POLY BSP ADAPTORS – LONG SPIGOT PN16

Dia	BSP Dia	Male BSP	Female BSP
25	20	PBAFE025020P	PBAME025020P
32	25	PBAFE032025P	PBAME032025P
40	25	PBAFE040025P	PBAME040025P
40	32	PBAFE040032P	PBAME040032P
50	40	PBAFE050040P	PBAME050040P
63	40	PBAFE063040P	PBAME063040P
63	50	PBAFE063050P	PBAME063050P

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