



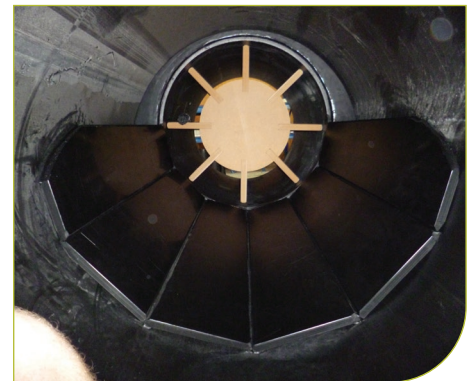
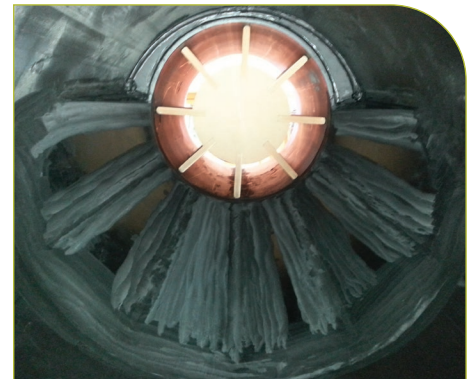
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PRODUCTS AVAILABLE ON REQUEST FROM OUR POLYETHYLENE DEPT INCLUDE

- ⊗ Polyethylene Dewatering header pipes
- ⊗ Polyethylene Manholes
- ⊗ Polyethylene Inspection chambers
- ⊗ Polyethylene Manifolds



Polyethylene Fabricated fittings are manufactured to comply with derating factors as detailed in ISO 4427-3:2007.

BENDS

Bends made from pipe segments must have the following derating calculation done when the weld angle is over 15 degrees.

$PN = fB \times PN \text{ Pipe}$

Example: Pipe is PN16 SDR11

$0.8 \times PN16 = PN12.8$

TEES & WYE JUNCTIONS

Equal tees and wyes made from pipe segments must have the following derating calculation done.

$PN = fT \times PN \text{ Pipe}$ $fT = 0.5$

Example: Pipe is PN16 SDR11

$0.5 \times PN16 = PN8$



POLYETHYLENE PIPE DIMENSIONS

Based on AS/NZs 4130 – 2008, Polyethylene pipes for pressure applications, SDR – Nominal ratio of outside diameter to wall thickness ID – mean internal diameter

Size DN	SDR41			SDR33			SDR26			SDR21			SDR17			SDR13.6			SDR11			SDR9		
PE80	PN3.2			PN4			-			PN6.3			PN8			PN10			PN12.5			PN16		
PE100	PN4			-			PN6.3			PN8			PN10			PN12.5			-			PN20		
OD	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr	min wall thk. mm	I.D. mm	KG/ mtr
16	1.6	13	0.2	1.6	13	0.1	1.6	13	0.1	1.6	13	0.1	1.6	13	0.1	1.6	13	0.1	1.6	13	0.1	1.8	12	0.1
20	1.6	17	0.1	1.6	17	0.1	1.6	17	0.1	1.6	17	0.1	1.6	17	0.1	1.6	17	0.1	1.6	17	0.1	2.2	16	0.1
25	1.6	22	0.1	1.6	22	0.1	1.6	22	0.1	1.6	22	0.1	1.6	22	0.1	1.9	22	0.1	2.3	20	0.2	2.8	19	0.1
32	1.6	29	0.1	1.6	29	0.1	1.6	29	0.2	1.6	29	0.2	1.9	28	0.2	2.4	27	0.3	2.9	26	0.3	3.6	26	0.3
40	1.6	37	0.2	1.6	37	0.2	1.6	37	0.2	1.9	36	0.2	2.4	35	0.2	2.9	34	0.4	3.6	33	0.4	4.4	31	0.5
50	1.6	47	0.2	1.6	47	0.2	2.3	46	0.3	2.4	45	0.4	2.9	44	0.4	3.7	43	0.5	4.5	41	0.7	5.6	39	0.8
63	1.6	60	0.3	2.0	59	0.4	2.4	58	0.5	3.0	57	0.6	3.7	56	0.7	4.6	54	0.9	5.7	52	1.1	7.0	49	1.3
75	1.9	71	0.5	2.3	70	0.6	2.9	69	0.7	3.6	68	0.8	4.4	66	1.0	5.5	64	1.2	6.8	61	1.5	8.3	58	1.8
90	2.2	86	0.6	2.7	84	1.0	3.5	83	1.0	4.3	81	1.2	5.3	79	1.4	6.6	77	1.8	8.2	74	2.2	10.0	70	2.6
110	2.7	105	0.9	3.3	103	1.2	4.2	102	1.4	5.2	100	1.8	6.5	97	2.2	8.1	94	2.2	10.0	90	3.2	12.2	86	3.8
125	3.1	119	1.2	3.8	117	1.6	4.8	115	1.9	6.0	113	2.3	7.4	110	2.8	9.2	107	3.4	11.4	102	4.2	13.9	96	5.0
140	3.5	133	1.5	4.2	131	2.0	5.4	129	2.3	6.7	127	2.9	8.2	124	3.5	10.3	119	4.3	12.7	115	5.2	15.6	109	6.2
160	4.0	152	2.0	4.8	150	2.5	6.2	148	3.0	7.6	145	3.7	9.4	141	4.6	11.8	136	5.6	14.5	131	6.8	17.8	124	8.1
180	4.4	171	2.5	5.5	169	3.1	6.9	166	3.9	8.6	163	4.7	10.6	159	5.8	13.2	154	7.1	16.4	147	8.6	20	140	10.3
200	4.9	190	3.1	6.1	188	3.7	7.7	185	4.8	9.5	181	5.8	11.8	176	7.1	14.7	171	8.8	18.2	164	10.6	22.2	156	12.7
225	5.5	215	3.5	6.8	211	4.9	8.7	208	6.0	10.7	204	7.4	13.2	199	7.4	16.5	192	11.1	20.5	184	13.5	25.0	175	16.1
250	6.2	238	4.7	7.6	235	5.9	9.6	231	7.4	11.9	226	9.1	14.7	221	11.1	18.4	213	13.7	22.7	205	16.6	27.8	194	19.9
280	6.9	267	5.7	8.5	263	7.4	10.8	258	9.3	13.3	253	11.5	16.5	247	14.0	20.6	239	17.2	25.5	229	20.9	31.1	218	24.9
315	7.7	300	7.4	9.5	296	9.3	12.1	291	11.8	15.0	285	14.5	18.5	278	17.7	23.2	269	21.8	28.6	258	26.4	35.0	245	31.6
355	8.7	338	9.5	10.8	333	12.2	13.7	328	15.0	16.9	321	18.4	20.9	313	22.5	26.1	303	27.7	32.3	290	33.6	39.4	276	40.1
400	9.8	380	12.6	12.1	376	15.0	15.4	369	19.1	19.0	362	23.4	23.5	353	28.5	29.4	341	35.1	36.4	327	42.6	44.4	311	50.9
450	11.0	429	14.9	13.6	422	19.7	17.3	415	24.1	21.4	407	29.6	26.5	397	36.1	33.1	384	44.4	40.9	368	53.9	50	350	64.4
500	12.0	476	18.9	15.2	470	23.4	19.2	462	29.8	23.8	452	36.5	29.4	441	44.6	36.8	426	54.9	45.5	409	66.6	55.6	389	79.5
560	14.0	534	22.9	17.0	526	29.7	21.5	517	37.4	26.7	507	45.8	32.9	494	55.9	41.2	478	68.8	50.9	458	83.5	62.8	428	98.4
630	15.0	600	29.7	19.1	592	37.4	24.2	582	47.3	30.0	570	58.0	37.1	556	70.8	46.3	537	87.1	57.3	515	105.7	70.6	481	124.6
710	17.0	676	38.0	21.5	667	47.7	27.3	655	60.1	33.8	642	73.6	41.8	626	89.9	52.2	606	110.6	65.1	573	132.6	-	-	-
800	20.0	762	47.8	24.2	752	60.0	30.8	738	76.2	38.1	724	93.5	47.1	706	114.1	58.8	682	140.4	72.7	647	166.7	-	-	-
900	22.0	854	61.2	27.6	846	76.73	34.4	828	94.3	42.9	810	116.3	53.5	787.5	143.1	65.2	728	171.8	81.8	728	211	-	-	-
1000	25	953	73.9	30.3	940	93.7	38.5	923	119.1	47.6	905	146.1	58.8	882	178.3	73.5	846	215	90.9	809	260.4	-	-	-
1200	29.4	1138	109.1	36.7	1126	139	45.9	1104	167.6	57.2	1080	206.8	71.1	1050	253.9	88.3	1015	309.7	109.1	971	375.0	-	-	-

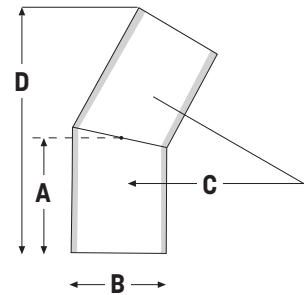


SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11
 Requires derating as per ISO 4427-3:2007 and PIPA POP006



CODE	ANGLE AND SDR RATING	A	B	C	D
201.110.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	143	110	165	245
201.125.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	199	125	188	290
201.160.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	213	160	240	335
201.180.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	213	180	240	340
201.200.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	230	200	300	405
201.225.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	241	225	338	410
201.250.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	350	250	375	435
201.280.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	362	280	420	475
201.315.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	428	315	477	505
201.355.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	443	355	533	590
201.400.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	461	400	600	680
201.450.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	481	450	675	730
201.500.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11	551	500	750	598
201.560.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		560		870
201.630.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		630		960
201.710.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		710		
201.800.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		800		
201.900.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		900		
201.1000.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		1000		
201.1200.11.SDR	11° SDR21, SDR17, SDR13.6, SDR11		1200		



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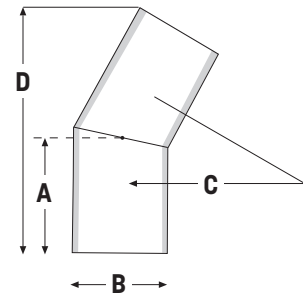
SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11
Requires derating as per ISO 4427-3:2007 and PIPA POP006



201

CODE	ANGLE AND SDR RATING	A	B	C	D
201.110.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	180	110	165	260
201.125.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	180	125	188	305
201.160.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	190	160	240	356
201.180.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	190	180	240	365
201.200.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	210	200	300	430
201.225.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	215	225	338	440
201.250.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	230	250	375	470
201.280.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	250	280	420	520
201.315.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	265	315	477	555
201.355.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	310	355	533	645
201.400.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	350	400	600	745
201.450.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	380	450	675	800
201.500.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	410	500	750	880
201.560.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	450	560		960
201.630.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11	500	637		1070
201.710.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11		710		
201.800.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11		800		
201.900.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11		900		
201.1000.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11		1000		
201.1200.22.SDR	22° SDR21, SDR17, SDR13.6, SDR11		1200		



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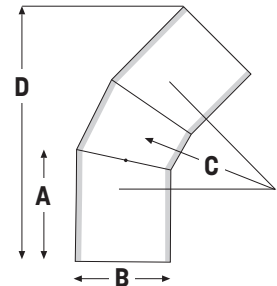


SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11
Requires derating as per ISO 4427-3:2007 and PIPA POP006



CODE	ANGLE AND SDR RATING	A	B	C	D
201.110.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	168	110	165	
201.125.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	227	125	188	
201.160.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	249	160	240	
201.180.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	249	180	240	
201.200.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	274	200	300	
201.225.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	290	225	338	
201.250.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	412	250	375	
201.280.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	474	280	420	
201.315.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	498	315	477	
201.355.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	520	355	533	
201.400.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	548	400	600	
201.450.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	580	450	675	
201.500.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11	665	500	750	
201.560.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		560		
201.630.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		630		
201.710.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		710		
201.800.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		800		
201.900.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		900		
201.1000.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		1000		
201.1200.45.SDR	45° SDR21, SDR17, SDR13.6, SDR11		1200		



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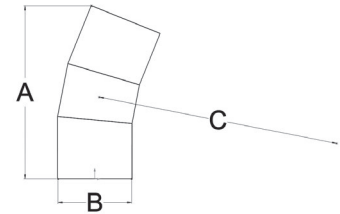
SEGMENTED BENDS

Add PN rating after code - i.e: 8, 10, 12.5 or PN16
Manufactured and derated in accordance with
ISO 4427-3:2007



201

CODE	ANGLE AND PN RATING	A	B	C	D
201.110.22.PN	22° PN8, PN10, PN12.5, PN16	143	110	165	260
201.125.22.PN	22° PN8, PN10, PN12.5, PN16	199	125	188	305
201.160.22.PN	22° PN8, PN10, PN12.5, PN16	213	160	240	356
201.180.22.PN	22° PN8, PN10, PN12.5, PN16	213	180	240	365
201.200.22.PN	22° PN8, PN10, PN12.5, PN16	230	200	300	430
201.225.22.PN	22° PN8, PN10, PN12.5, PN16	241	225	338	440
201.250.22.PN	22° PN8, PN10, PN12.5, PN16	350	250	375	470
201.280.22.PN	22° PN8, PN10, PN12.5, PN16	362	280	420	520
201.315.22.PN	22° PN8, PN10, PN12.5, PN16	428	315	477	555
201.355.22.PN	22° PN8, PN10, PN12.5, PN16	443	355	533	645
201.400.22.PN	22° PN8, PN10, PN12.5, PN16	461	400	600	745
201.450.22.PN	22° PN8, PN10, PN12.5, PN16	481	450	675	800
201.500.22.PN	22° PN8, PN10, PN12.5, PN16	551	500	750	880
201.560.22.PN	22° PN8, PN10, PN12.5, PN16		560		
201.630.22.PN	22° PN8, PN10, PN12.5, PN16		630		
201.710.22.PN	22° PN8, PN10, PN12.5, PN16		710		
201.800.22.PN	22° PN8, PN10, PN12.5, PN16		800		
201.900.22.PN	22° PN8, PN10, PN12.5, PN16		900		
201.1000.22.PN	22° PN8, PN10, PN12.5, PN16		1000		
201.1200.22.PN	22° PN8, PN10, PN12.5, PN16		1200		



AS/NZS 4129:2009 and ISO 4427-3:2007

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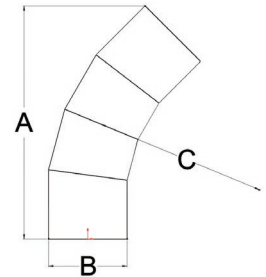


SEGMENTED BENDS

Add PN rating after code - i.e: 8, 10, 12.5 or PN16
 Manufactured and derated in accordance with ISO 4427-3:2007



CODE	ANGLE AND PN RATING	A	B	C	D
201.110.45.PN	45° PN8, PN10, PN12.5, PN16	168	110	165	
201.125.45.PN	45° PN8, PN10, PN12.5, PN16	227	125	188	
201.160.45.PN	45° PN8, PN10, PN12.5, PN16	249	160	240	
201.180.45.PN	45° PN8, PN10, PN12.5, PN16	249	180	240	
201.200.45.PN	45° PN8, PN10, PN12.5, PN16	274	200	300	
201.225.45.PN	45° PN8, PN10, PN12.5, PN16	290	225	338	
201.250.45.PN	45° PN8, PN10, PN12.5, PN16	412	250	375	
201.280.45.PN	45° PN8, PN10, PN12.5, PN16	474	280	420	
201.315.45.PN	45° PN8, PN10, PN12.5, PN16	498	315	477	
201.355.45.PN	45° PN8, PN10, PN12.5, PN16	520	355	533	
201.400.45.PN	45° PN8, PN10, PN12.5, PN16	548	400	600	
201.450.45.PN	45° PN8, PN10, PN12.5, PN16	580	450	675	
201.500.45.PN	45° PN8, PN10, PN12.5, PN16	665	500	750	
201.560.45.PN	45° PN8, PN10, PN12.5, PN16				
201.630.45.PN	45° PN8, PN10, PN12.5, PN16				
201.710.45.PN	45° PN8, PN10, PN12.5, PN16				
201.800.45.PN	45° PN8, PN10, PN12.5, PN16				
201.900.45.PN	45° PN8, PN10, PN12.5, PN16				
201.1000.45.PN	45° PN8, PN10, PN12.5, PN16				
201.1200.45.PN	45° PN8, PN10, PN12.5, PN16				



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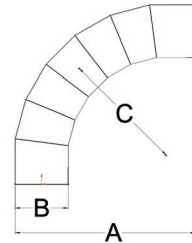


SEGMENTED BENDS



Add PN rating after code - i.e: 8, 10, 12.5 or PN16
 Manufactured and derated in accordance with ISO 4427-3:2007

CODE	ANGLE AND PN RATING	A	B	C	D
201.110.90.PN	90° PN8, PN10, PN12.5, PN16	265	110	165	
201.125.90.PN	90° PN8, PN10, PN12.5, PN16	338	125	188	
201.160.90.PN	90° PN8, PN10, PN12.5, PN16	390	160	240	
201.180.90.PN	90° PN8, PN10, PN12.5, PN16	390	180	240	
201.200.90.PN	90° PN8, PN10, PN12.5, PN16	450	200	300	
201.225.90.PN	90° PN8, PN10, PN12.5, PN16	488	225	338	
201.250.90.PN	90° PN8, PN10, PN12.5, PN16	625	250	375	
201.280.90.PN	90° PN8, PN10, PN12.5, PN16	670	280	420	
201.315.90.PN	90° PN8, PN10, PN12.5, PN16	777	315	477	
201.355.90.PN	90° PN8, PN10, PN12.5, PN16	833	355	533	
201.400.90.PN	90° PN8, PN10, PN12.5, PN16	900	400	600	
201.450.90.PN	90° PN8, PN10, PN12.5, PN16	975	450	675	
201.500.90.PN	90° PN8, PN10, PN12.5, PN16	1100	500	750	
201.560.90.PN	90° PN8, PN10, PN12.5, PN16				
201.630.90.PN	90° PN8, PN10, PN12.5, PN16				
201.710.90.PN	90° PN8, PN10, PN12.5, PN16				
201.800.90.PN	90° PN8, PN10, PN12.5, PN16				
201.900.90.PN	90° PN8, PN10, PN12.5, PN16				
201.1000.90.PN	90° PN8, PN10, PN12.5, PN16				
201.1200.90.PN	90° PN8, PN10, PN12.5, PN16				



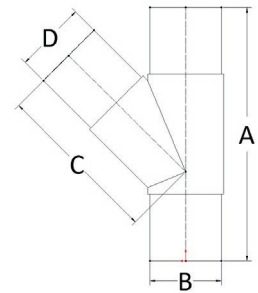
AS/NZS 4129:2020 and ISO 4427-3:2007



PLAIN WYE JUNCTION – FABRICATED (BUTT WELDED)

Requires derating as per ISO4427-3:2007

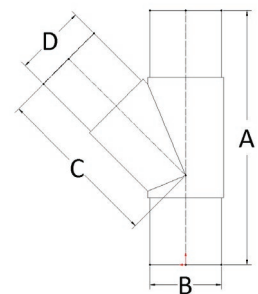
CODE	DESCRIPTION	A	B	C	D
204.SDR17.110.45°	Made from SDR17	700	110	425	
204.SDR17.125.45°	Made from SDR17	745	125	455	
204.SDR17.160.45°	Made from SDR17	840	160	510	
204.SDR17.180.45°	Made from SDR17	840	180	510	
204.SDR17.200.45°	Made from SDR17	960	200	590	
204.SDR17.225.45°	Made from SDR17	1080	225	660	
204.SDR17.250.45°	Made from SDR17	1155	250	710	
204.SDR17.280.45°	Made from SDR17	1245	280	750	
204.SDR17.315.45°	Made from SDR17	1340	315	815	
204.SDR17.355.45°	Made from SDR17	1455	355	880	
204.SDR17.400.45°	Made from SDR17	1550	400	950	
204.SDR17.450.45°	Made from SDR17	1850	450	1200	



PLAIN WYE JUNCTION – MOULDED

Add SDR rating after code - i.e: 17 or 11

CODE	DESCRIPTION	A	B	C	D
204.M.SDR.90.45	SDR17 PE100 PN10	355	90	85	240
	SDR11 PE100 PN16	355			
204.M.SDR.110.45	SDR17 PE100 PN10	397	110	90	280
	SDR11 PE100 PN16	397			
204.M.SDR.125.45	SDR17 PE100 PN10	448	125	90	310
	SDR11 PE100 PN16	448			
204.M.SDR.160.45	SDR17 PE100 PN10	530	160	110	365
	SDR11 PE100 PN16	530			



Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only



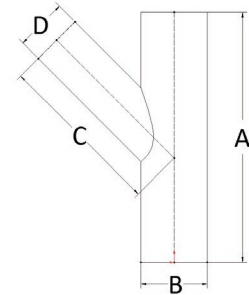
REDUCING WYE JUNCTION – FABRICATED

These fittings may be extrusion welded
 Requires derating as per ISO4427-3:2007



204

CODE	DESCRIPTION	A	B	C	D
204.SDR17.160.110.45°	Made from SDR17	580	160	300	110
204.SDR17.180.110.45°	Made from SDR17	580	180	300	110
204.SDR17.200.110.45°	Made from SDR17	580	200	300	110
204.SDR17.225.110.45°	Made from SDR17	600	225	350	110
204.SDR17.250.110.45°	Made from SDR17	600	250	370	110
204.SDR17.280.110.45°	Made from SDR17	600	280	370	110
204.SDR17.315.110.45°	Made from SDR17	600	315	400	110
204.SDR17.355.110.45	Made from SDR17	650	355	420	110
204.SDR17.200.160.45°	Made from SDR17		200		160
204.SDR17.225.160.45°	Made from SDR17		225		160
204.SDR17.250.160.45°	Made from SDR17		250		160
204.SDR17.315.160.45°	Made from SDR17		315		160
204.SDR17.355.160.45°	Made from SDR17		355		160



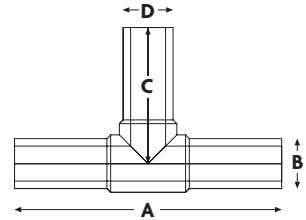
AS/NZS 4129:2009

POLYETHYLENE



PLAIN TEE JUNCTION – MOULDED – LONG SPIGOT

Add SDR rating after code - i.e: 17 or 11



CODE		DESCRIPTION	A	B	C	D
204.M.SDR.125.L	SDR17	PE100 PN10	353	125	175	125
	SDR11	PE100 PN16	353	125	175	125
204.M.SDR.160.L	SDR17	PE100 PN10	401	160	204	160
	SDR11	PE100 PN16	401	160	204	160
204.M.SDR.180.L	SDR17	PE100 PN10	514	180	257	180
	SDR11	PE100 PN16	514	180	257	180
204.M.SDR.200.L	SDR17	PE100 PN10	492	200	246	200
	SDR11	PE100 PN16	492	200	246	200
204.M.SDR.225.L	SDR17	PE100 PN10	540	225	270	225
	SDR11	PE100 PN16	540	225	270	225
204.M.SDR.250.L	SDR17	PE100 PN10	624	250	314	250
	SDR11	PE100 PN16	624	250	314	250
204.M.SDR.280.L	SDR17	PE100 PN10	694	280	347	280
	SDR11	PE100 PN16	694	280	347	280
204.M.SDR.315.L	SDR17	PE100 PN10	750	315	445	315
	SDR11	PE100 PN16	750	315	445	315
204.M.SDR.355.L	SDR17	PE100 PN10	1684	355	842	355
	SDR11	PE100 PN16	1684	355	842	355
204.M.SDR.400.L	SDR17	PE100 PN10	1694	400	855	400
	SDR11	PE100 PN16	1694	400	855	400
204.M.SDR.450.L	SDR17	PE100 PN10	1900	450	950	450
	SDR11	PE100 PN16	1900	450	950	450
204.M.SDR.500.L	SDR17	PE100 PN10	1850	500	950	500
	SDR11	PE100 PN16	1850	500	950	500

AS/NZS 4129:2009

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

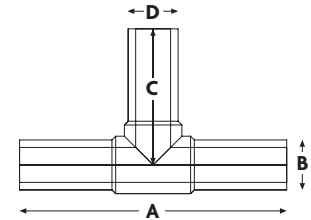


REDUCING TEE JUNCTION – MOULDED – LONG SPIGOT

704



CODE	DESCRIPTION	A	B	C	D
204.M.SDR11.125.90.L	PE100 PN16	358	125	170	90
204.M.SDR11.180.90.L	PE100 PN16	450	180	215	90
204.M.SDR11.180.125.L	PE100 PN16	448	180		125
204.M.SDR11.250.110.L	PE100 PN16	596	250	250	110
204.M.SDR11.315.110.L	PE100 PN16	703	315		110
204.M.SDR11.315.180.L	PE100 PN16	703	315		180



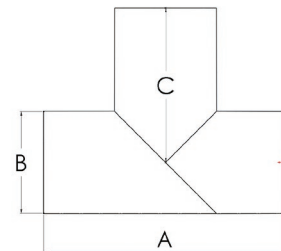
AS/NZS 4129:2009

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

PLAIN TEE JUNCTION – FABRICATED

Fabricated for non pressure applications
Requires derating as per ISO4427-3:2007

CODE	DESCRIPTION	A	B	C	D
204.SDR17.560	Made from SDR17	1200	560	1200	
204.SDR17.630	Made from SDR17	1200	630	1200	
204.SDR17.710	Made from SDR17	1500	710	1700	
204.SDR17.800	Made from SDR17	1600	800	1700	
204.SDR17.900	Made from SDR17	1700	900	1700	
204.SDR17.1000	Made from SDR17	1800	1000	1700	



AS/NZS 4129:2009 and ISO4427-3:2007

POLYETHYLENE



PLAIN HYDRANT TEE – PN16

CODE	DESCRIPTION	A	B	C	D
205.125	74mm NB – 217 ¹ /Sec	358	125	200	90
205.180	74mm NB – 217 ¹ /Sec	450	180	230	90
205.250	74mm NB – 217 ¹ /Sec	596	250		90
205.280	74mm NB – 217 ¹ /Sec		280		90
205.315	74mm NB – 217 ¹ /Sec		315		90



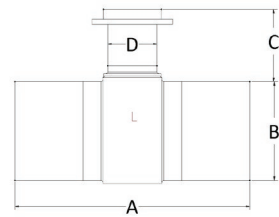
HIFLO HYDRANT TEE – PN16

CODE	DESCRIPTION	A	B	C	D
205.125HiFlo	102mm NB – 430 ¹ /Sec	356	125	210	125
205.180HiFlo	102mm NB – 430 ¹ /Sec	448	180	185	125
205.250HiFlo	90mm NB – 430 ¹ /Sec	596	250	260	110
205.315HiFlo	90mm NB – 430 ¹ /Sec	703	315		110
205.355HiFlo	90mm NB – 430 ¹ /Sec	674	355		110



AS/NZS 4129:2009

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only





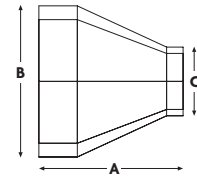
REDUCERS – CONCENTRIC



223

Add SDR rating after code
17 or 11 prices for both are the same

CODE	DESCRIPTION	A	B	C	D
223.225.125.SDR11	Short Spigot	100	225	125	
223.250.125.SDR11	Short Spigot	100	250	160	
223.200.160.SDR11	Short Spigot	100	200	160	
223.225.160.SDR11	Short Spigot	100	225	180	
223.200.180.SDR11	Short Spigot	100	200	180	
223.225.180.SDR11	Short Spigot	100	225	180	
223.250.180.SDR11	Short Spigot	100	250	180	
223.280.180.SDR11	Short Spigot		280	180	
223.225.200.SDR11	Short Spigot	100	225	200	
223.250.200.SDR11	Short Spigot	100	250	200	
223.280.200.SDR11	Short Spigot	100	280	200	
223.250.225.SDR11	Short Spigot	100	250	225	
223.280.225.SDR11	Short Spigot	100	280	225	
223.315.225.SDR11	Short Spigot	100	315	225	
223.280.250.SDR11	Short Spigot	100	280	250	
223.315.250.SDR11	Short Spigot	100	315	250	
223.355.250.SDR11	Short Spigot	100	355	250	
223.315.280.SDR11	Short Spigot	100	315	250	
223.355.280.SDR11	Short Spigot	100	355	280	
223.400.280.SDR11	Short Spigot	100	400	280	
223.355.315.SDR11	Short Spigot	100	355	315	
223.400.315.SDR11	Short Spigot	100	400	315	
223.450.315.SDR11	Short Spigot	100	450	315	



Other sizes and SDR's are available on request
AS/NZS 4129:2009

Due to multiple suppliers of material, all dimensions, masses and volumes are approximate only

POLYETHYLENE

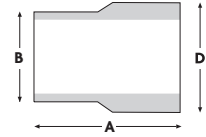




224

ADAPTORS – RRJ

CODE	DESCRIPTION	A	B	C	D
224.110.100	Made to suit SDR17 Angerlock Ring	250	110	80	155
224.125.100	Made to suit SDR17 Angerlock Ring	190	125	95	140
224.160.150	Made to suit SDR17 Angerlock Ring	280	160	130	200
224.180.150	Made to suit SDR17 Angerlock Ring	280	180	130	200
224.200.175	Made to suit SDR17 Angerlock Ring				
224.250.225	Made to suit SDR17 Angerlock Ring				
224.315.300	Made to suit SDR17 Angerlock Ring				



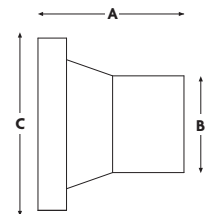
Other sizes are available on request

226

STUB FLANGES – BUTT FUSION

Add SDR rating after pipe size - i.e: 226.250.SDR17

CODE	DESCRIPTION	A	B	C	D
226.250.SDR	Short Spigot	100	250	320	
226.280.SDR	Short Spigot	100	280	320	
226.315.SDR	Short Spigot	100	315	370	
226.355.SDR	Short Spigot	110	355	430	
226.400.SDR	Short Spigot	110	400	482	
226.450.SDR	Short Spigot	110	450	585	
226.500.SDR	Short Spigot	125	500	585	
226.560.SDR	Short Spigot	125	560	685	
226.630.SDR	Short Spigot	130	630	685	
226.710.SDR	Short Spigot	130	710	800	
226.800.SDR	Short Spigot	130	800	940	
226.900.SDR	Short Spigot	130	900	940	
226.1000.SDR	Short Spigot	130	1000	1125	
226.1200.SDR	Short Spigot	140	1200	1330	



AS/NZS 4129:2009

Due to multiple suppliers of material, all dimensions, masses and volumes are approximate only





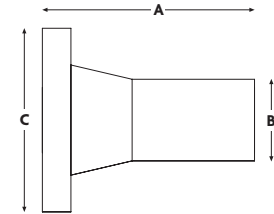
STUB FLANGES – ELECTROFUSION

226



Add SDR rating after pipe size - i.e: 226.225SDR17.E

CODE	DESCRIPTION	A	B	C	D
226.90.SDR.E	Long Spigot	121	90	138	
226.110.SDR.E	Long Spigot	135	110	158	
226.125.SDR.E	Long Spigot	147	125	158	
226.160.SDR.E	Long Spigot	160	160	212	
226.180.SDR.E	Long Spigot	169	180	212	
226.200.SDR.E	Long Spigot	192	200	268	
226.225.SDR.E	Long Spigot	183	225	268	
226.250.SDR.E	Long Spigot	205	250	320	
226.280.SDR.E	Long Spigot	206	280	320	
226.315.SDR.E	Long Spigot	226	315	370	
226.355.SDR.E	Long Spigot	245	355	430	
226.400.SDR.E	Long Spigot	350	400	482	
226.450.SDR.E	Long Spigot	370	450	585	
226.500.SDR.E	Long Spigot	420	500	585	
226.560.SDR.E	Long Spigot	450	560	685	
226.630.SDR.E	Long Spigot	520	630	685	
226.710.SDR.E	Long Spigot	620	710	800	
226.800.SDR.E	Long Spigot	620	800	940	
226.900.SDR.E	Long Spigot	720	900	940	
226.1000.SDR.E	Long Spigot	720	1000	1125	



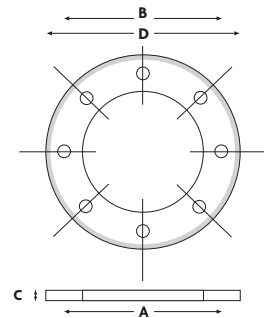
AS/NZS 4129:2009

Due to multiple suppliers of material, all dimensions, masses and volumes are approximate only

POLYETHYLENE



BACKING RINGS



We have adopted the AusPoly recommendations for “Metal backing flanges for use with Polyethylene pipe flange adapters” (POP 007) 2006. With the exception of 250mm, 280mm and 450mm all backing rings are supplied drilled to AS 2129 Table E. Flange thicknesses, will be as a minimum in accordance with AS4087 PN16

Add N after the code for Nylon Coated - i.e: 227N.315

Add S after the code for Stainless Steel 316 - i.e: 227S.250

CODE	DESCRIPTION	NOM. FLANGE SIZE	PCD	FLANGE ID	FLANGE OD	THICKNESS (MIN)	BOLT HOLES
227.63	63mm Backing Ring – AS 4087 PN16	50	114	78	150	11	4 x 18
227.75	75mm Backing Ring – AS4087 PN16	65	127	92	165	11	4 x 18
227.90	90mm Backing Ring – AS4087 PN16	80	146	108	185	11	4 x 18
227.HYD	Hydrant Backing Ring		165	108	205	13	4 x 18
227.110.E	110mm Backing Ring – AS4087 PN16	100	178	128	215	13	8 x 18
227.125.E	125mm Backing Ring – AS4087 PN16	100	178	135	215	13	8 x 18
227.140.E	140mm Backing Ring – AS4087 PN16	125	210	158	255	14	8 x 18
227.160.E	160mm Backing Ring – AS4087 PN16	150	235	178	280	17	8 x 22
227.180.E	180mm Backing Ring – AS4087 PN16	150	235	188	280	17	8 x 22
227.200.E	200mm Backing Ring – AS4087 PN16	200	292	235	335	19	8 x 22
227.225.E	225mm Backing Ring – AS4087 PN16	200	292	238	335	19	8 x 22
227.225 (9")	225mm (9") Backing Ring – AS4087 PN16	9"	324	238	370	19	8 x 22
227.250	250mm Backing Ring – AS4087 PN16	250	356	288	405	22	8 x 22
227.250E	250mm Backing Ring – AS2129 Table E	250	356	288	405	22	12 x 22
227.280	280mm Backing Ring – AS4087 PN16	250	356	294	405	22	8 x 22
227.280E	280mm Backing Ring – AS2129 Table E	250	356	294	405	22	12 x 22
227.315.E	315mm Backing Ring – AS4087 PN16	300	406	338	455	25	12 x 26
227.355.E	355mm Backing Ring – AS4087 PN16	350	470	376	525	29	12 x 26
227.375.E	375mm Backing Ring – AS4087 PN16	15"	495	430	550	32	12 x 26
227.400.E	400mm Backing Ring – AS4087 PN16	400	521	430	580	32	12 x 26
227.450	450mm Backing Ring – AS4087 PN16	450	584	470	640	35	12 x 26
227.450E	450mm Backing Ring – AS2129 Table E	450	584	470	640	35	16 x 26
227.500.E	500mm Backing Ring – AS4087 PN16	500	641	533	705	38	16 x 26
227.560.E	560mm Backing Ring – AS4087 PN16	550	699	618	760	44	16 x 30
227.630.E	630mm Backing Ring – AS4087 PN16	600	756	645	825	48	16 x 33
227.710	710mm Backing Ring – AS4087 PN16	700	845	740	910	51	20 x 33
227.800	800mm Backing Ring – AS4087 PN16	800	984	843	1060	54	20 x 36
227.900	900mm Backing Ring – AS4087 PN16	900	1092	947	1175	64	24 x 36
227.1000	1000mm Backing Ring – AS4087 PN16	1000	1255	1050	1255	67	24 x 39

AS2129 Table E, AS4087 PN16

Other flange standards available - EN1092 PN16 (Replaces BS4504 PN16), ANSI 150, AS4331.1 PN16 (ISO 7005-1)



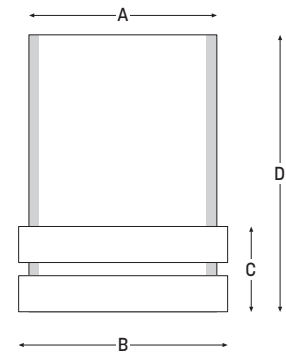
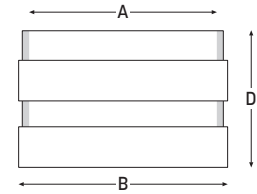
VICTAULIC SHOULDERS

Add SDR rating after code - i.e: SDR17 or SDR11

CODE	DESCRIPTION	A	B	C	D
228.110.SDR	110mm OD x 100 (4")	110	122	50	80
228.160.SDR	160mm OD x 150 (6")	160	176	50	80
228.180.SDR	180mm OD x 150 (6")	180	176	50	80
228.200.SDR	200mm OD x 200 (8")	200	234	60	80
228.225.SDR	225mm OD x 200 (8")	225	234	60	80
228.250.SDR	250mm OD x 200 (8")	250	287	60	80
228.280.SDR	280mm OD x 200 (8")	280	338	60	80
228.315.SDR	315mm OD x 300 (12")	315	338	60	80
228.110.SDR__E	110mm OD x 100 (4")	110	122	50	162
228.160.SDR__E	160mm OD x 150 (6")	160	176	50	177
228.180.SDR__E	180mm OD x 150 (6")	180	176	50	177
228.200.SDR__E	200mm OD x 200 (8")	200	234	60	210
228.225.SDR__E	225mm OD x 200 (8")	225	234	60	210
228.250.SDR__E	250mm OD x 200 (8")	250	287	60	274
228.280.SDR__E	280mm OD x 200 (8")	280	338	60	274
228.315.SDR__E	315mm OD x 300 (12")	315	338	60	382



228



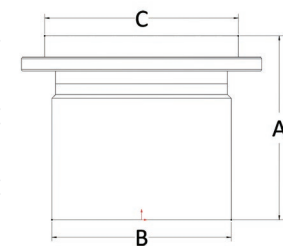
SLIM FLANGES

SDR11 PN16 – Nylon Backing Rings

CODE	DESCRIPTION	A	B	C	
229.250.200 PN16	250mm OD x 200 Flange	AS4087 PN16	240	250	270
229.315.250 PN16	315mm OD x 250 Flange	AS4087 PN16	325	315	333
229.355.300 PN16	355mm OD x 300 Flange	AS4087 PN16	340	355	379
229.450.375 PN16	450mm OD x 375 Flange	AS4087 PN16	375	450	468
229.450.400 PN16	450mm OD x 400 Flange	AS4087 PN16	400	450	495
229.500.450 PN16	500mm OD x 450 Flange	AS4087 PN16	415	500	558
229.560.450 PN16	560mm OD x 450 Flange	AS4087 PN16	510	560	
229.560.500 PN16	560mm OD x 500 Flange	AS4087 PN16	550	560	
229.630.500 PN16	630mm OD x 500 Flange	AS4087 PN16	600	630	
229.630.550 PN16	630mm OD x 550 Flange	AS4087 PN16	630	630	



2279



These are also available with galvanised or stainless steel backing rings
Other patterns of backing rings are also available - i.e: ANSI150, BS4504 or EN1092

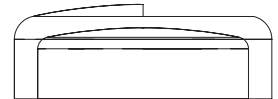
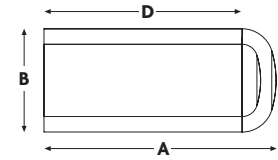
POLYETHYLENE



END CAPS – BUTT FUSION

Add SDR rating after code - i.e: SDR17 or SDR11

CODE	DESCRIPTION	A	B	C	D
230.090.SDR__E	Electrofusion SDR17 or SDR11	124	90		72
230.110.SDR__E	Electrofusion SDR17 or SDR11	138	110		82
230.125.SDR__E	Electrofusion SDR17 or SDR11	155	125		92
230.160.SDR__E	Electrofusion SDR17 or SDR11	179	160		108
230.180.SDR__E	Electrofusion SDR17 or SDR11	200	180		120
230.200.SDR__E	Electrofusion SDR17 or SDR11	138	200		115
230.225.SDR__E	Electrofusion SDR17 or SDR11	148	225		122
230.250.SDR	Butt Weld SDR17 or SDR11	100	250		80
230.280.SDR	Butt Weld SDR17 or SDR11	100	280		80
230.315.SDR	Butt Weld SDR17 or SDR11	100	315		80
230.355.SDR	Butt Weld SDR17 or SDR11				
230.400.SDR	Butt Weld SDR17 or SDR11				
230.450.SDR	Butt Weld SDR17 or SDR11				
230.500.SDR	Butt Weld SDR17 or SDR11				



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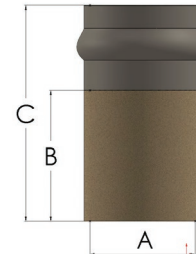


MANHOLE – LONG SOCKET – CONNECTOR – RRJ



1580GR

CODE	DESCRIPTION	A	B	C	D
1580GRC.100 (SN16)	Gritted Connector	110	250	330	
1580GRC.150 (SN16)	Gritted Connector	160	250	350	
1580GRC.175 (SN16)	Gritted Connector	200	250	350	
1580GRC.225 (SN16)	Gritted Connector	250	250	350	
1580GRC.300 (SN16)	Gritted Connector	315	250	400	
1580GRC.375 (SN16)	Gritted Connector	400	250	450	
1580GRC.475 (SN16)	Gritted Connector	500	250	460	



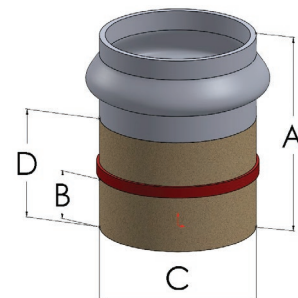
Rubber rings included
AS/NZS 1260:2009

HYDRO MANHOLE CONNECTORS – GRITTED



1582

CODE	DESCRIPTION	A	B	C	D
1582.110 SN16	Gritted PVC – Hydrophilic Sealant	330	121	112	
1582.125	Gritted PVC – Hydrophilic Sealant	330	136	127	
1582.160 SN16	Gritted PVC – Hydrophilic Sealant	350	173	162	
1582.180 SN16	Gritted PVC – Hydrophilic Sealant	350	200	182	
1582.200 SN16	Gritted PVC – Hydrophilic Sealant	350	217	202	
1582.225 SN16	Gritted PVC – Hydrophilic Sealant	350	242	228	
1582.250 SN16	Gritted PVC – Hydrophilic Sealant	350	270	253	
1582.280 SN16	Gritted PVC – Hydrophilic Sealant	400	313	285	
1582.315 SN16	Gritted PVC – Hydrophilic Sealant	400	335	318	
1582.355	Gritted PVC – Hydrophilic Sealant	450	375	358	
1582.400 SN16	Gritted PVC – Hydrophilic Sealant	450	406	403	
1582.450	Gritted PVC – Hydrophilic Sealant	460	477	454	
1582.500 SN16	Gritted PVC – Hydrophilic Sealant	460	527	503	
1582.560 SN16	Gritted PVC – Hydrophilic Sealant	600	594	564	
1582.630 SN16	Gritted PVC – Hydrophilic Sealant	750	668	634	



POLYETHYLENE



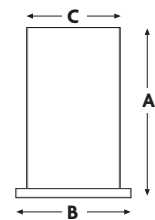
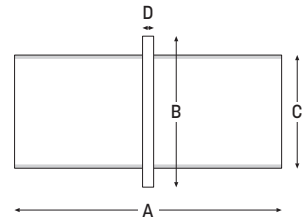


PUDDLE FLANGES

Add SDR rating after code - i.e: SDR17 or SDR11

CODE	DESCRIPTION	A	B	C	D
290.110	SDR17 or SDR11	600	210	110	20
290.125	SDR17 or SDR11	600	225	125	20
290.160	SDR17 or SDR11	600	260	160	20
290.180	SDR17 or SDR11	600	280	180	20
290.200	SDR17 or SDR11	600	300	200	20
290.225	SDR17 or SDR11	600	325	225	20
290.250	SDR17 or SDR11	600	350	250	20
290.280	SDR17 or SDR11	600	380	280	20
290.315	SDR17 or SDR11	600	415	315	40
290.355	SDR17 or SDR11	600	455	355	40
290.400	SDR17 or SDR11	600	500	400	40
290.450	SDR17 or SDR11	600	550	450	40
290.500	SDR17 or SDR11	600	600	500	40

Other sizes up to 1200mm are available on request
1000mm long are also available



MANHOLE PUDDLE FLANGES

CODE	DESCRIPTION	A	B	C	D
290WCC.160	Wellington CC Type	200	180	160	
290WCC.200	Wellington CC Type	268	268	200	
290WCC.315	Wellington CC Type	370	370	315	

Other sizes are available on request





ELECTROFUSION – REDUCING SADDLE – WYE



E204

CODE	DESCRIPTION	A	B	C	D
E204.160.110.45°	Drainage Saddle SDR17				
E204.180.110.45°	Drainage Saddle SDR17				
E204.200.110.45°	Drainage Saddle SDR17				
E204.225.110.45°	Drainage Saddle SDR17				
E204.250.110.45°	Drainage Saddle SDR17				
E204.315.110.45°	Drainage Saddle SDR17				
E204.400.110.45°	Drainage Saddle SDR17				

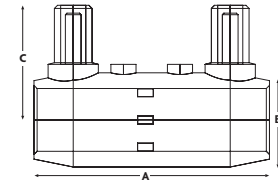
ELECTROFUSION COUPLINGS



210

Add SDR rating after code - i.e: SDR17 or SDR11

CODE	DESCRIPTION	A	B	C	D
210.090	SDR11	142	90	74	
210.110	SDR11	152	110	83	
210.125	SDR11	171	125	91	
210.160	SDR17 or SDR11	182	160	108	
210.180	SDR17 or SDR11	201	180	119	
210.200	SDR17 or SDR11	217	200	129	
210.225	SDR17 or SDR11	231	225	145	
210.250	SDR17 or SDR11	240	250	159	
210.280	SDR17 or SDR11	250	280	177	
210.315	SDR17 or SDR11	260	315	199	
210.355	SDR17 or SDR11	280	355	224	
210.400	SDR17 or SDR11	300	400	254	
210.450	SDR17 or SDR11		450		
210.500	SDR17 or SDR11		500		
210.560	SDR17 or SDR11		560		
210.630	SDR17 or SDR11		630		
210.710	SDR17 or SDR11		710		



39.5 Volt 3mm Pins

AS/NZS 4129:2008

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POLYETHYLENE



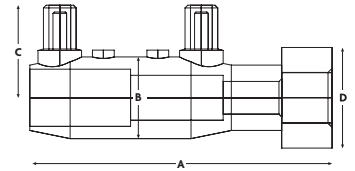
E206
E213

TRANSITION FITTINGS

Brass Thread c/w Coupling



CODE	THREAD TYPE	A	B	C	D
E206.040.032	Female Threaded	148	40		53
E206.050.040	Female Threaded	167	50		67
E206.063.040	Female Threaded	194	63		83
E206.063.050	Female Threaded	194	63		83
E213.040.032	Male Threaded	151	40		53
E213.050.040	Male Threaded	166	50		67
E213.063.040	Male Threaded	189	63		83
E213.063.050	Male Threaded	189	63		83

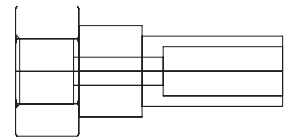


39.5 Volt 3mm Pin

TRANSITION ADAPTER

Brass Thread only

CODE	THREAD TYPE	A	B	C	D
E206.040.032	Female Threaded	98	40		50
E206.050.040	Female Threaded	110	50		60
E206.063.040	Female Threaded	129	63		70
E206.063.050	Female Threaded	129	63		70
E213.040.032	Male Threaded	98	40		50
E213.050.040	Male Threaded	110	50		60
E213.063.040	Male Threaded	129	63		70
E213.063.050	Male Threaded	129	63		70



39.5 Volt 3mm Pin

AS/NZS 4129:2000

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