PLASSON AUSTRALIA

CONCENTRIC REDUCER LONG SPIGOT

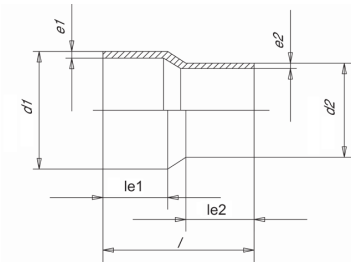
8100 / 8149

The SIMONA concentric reducer long spigot joins two PE100 pipe sizes in line, with the centrelines of both pipes aligned. Long spigots on both ends allow the reducer to be welded to the pipe by electrofusion or butt fusion. Made from high quality PE100-RC (crack resistant) resins, the range covers 25 x 20mm to 630 x 560mm in SDR11 (PN16) and 75 x 32mm to 630 x 560mm in SDR17 (PN10) and is suitable for potable and recycled water, sewer, gas, compressed air, mining and other industrial applications.

FEATURES AND BENEFITS

- High quality PE100-RC resins
- Long spigots on both ends suitable for electrofusion or butt fusion jointing
- Concentric design keeps both pipes on a common centreline
- SDR11 and SDR17 wall thickness options to match the pipe
- Wide range of size combinations from 20mm to 630mm
- Spigot fittings conform to AS/NZS 4129





Product Code	Size d1 x d2	le1	le2	l	e1	e2	PN	SDR
8100208	25 x 20	41	41	90	2.3	1.9	16	11
8100209	32 x 20	44	41	101	3	2	16	11
8100210	32 x 25	44	41	100	3	2.3	16	11
8100211	40 x 25	49	41	104	3.7	2.3	16	11
8100141	40 x 32	49	44	105	3.7	2.9	16	11
8100142	50 x 25	56	42	132	4.6	2.3	16	11
8100143	50 x 32	57	47	132	4.6	2.9	16	11
8100144	50 x 40	55	51	134	4.6	3.7	16	11
8100145	63 x 32	63	44	144	5.8	2.9	16	11
8100146	63 x 40	63	49	147	5.8	3.7	16	11
8100147	63 x 50	64	58	152	5.8	4.6	16	11
8100148	75 x 50	70	55	155	6.8	4.6	16	11
8100149	75 x 63	70	65	171	6.8	5.8	16	11
8100150	90 x 50	79	57	174	8.2	4.6	16	11
8100151	90 x 63	79	70	182	8.2	5.8	16	11
8100152	90 x 75	79	70	180	8.2	6.8	16	11
8100153	110 x 63	84	69	185	10	5.8	16	11
8100154	110 x 75	84	74	185	10	6.8	16	11
8100155	110 x 90	84	81	186	10	8.2	16	11
8100156	125 x 63	91	69	200	11.4	5.8	16	11
8100157	125 x 90	91	80	202	11.4	8.2	16	11
8100158	125 x 110	90	90	200	11.4	10	16	11
8100159	140 x 90	112	86	237	12.7	8.2	16	11
8100160	140 x 110	116	90	230	12.7	10	16	11
8100161	140 x 125	117	96	235	12.7	11.4	16	11
8100162	160 x 90	109	84	254	14.6	8.2	16	11
8100163	160 x 110	110	89	254	14.6	10	16	11
8100164	160 x 125	110	95	254	14.6	11.4	16	11
8100165	160 x 140	110	106	254	14.6	12.7	16	11
8100166	180 x 90	106	79	245	16.4	8.2	16	11
8100167	180 x 110	124	93	275	16.4	10	16	11
8100168	180 x 125	105	87	245	16.4	11.4	16	11
8100169	180 x 160	126	125	279	16.4	14.6	16	11
8100170	200 x 140	123	114	279	18.2	12.7	16	11
8100171	200 x 160	122	122	277	18.2	14.6	16	11
8100172	200 x 180	126	120	279	18.2	16.4	16	11
8100173	225 x 160	132	123	295	20.5	14.6	16	11
8100174	225 x 180	130	118	285	20.5	16.4	16	11
8100175	225 x 200	126	120	272	20.5	18.2	16	11
8100176	250 x 160	149	100	308	22.7	14.6	16	11
8100177	250 x 180	151	105	316	22.7	16.4	16	11
8100178	250 x 200	151	116	324	22.7	18.2	16	11
8100179	250 x 225	155	122	330	22.7	20.5	16	11
8100180	280 x 200	140	116	345	25.4	18.2	16	11
8100181	280 x 225	142	122	335	25.4	20.5	16	11
8100182	280 x 250	139	135	340	25.4	22.7	16	11

Product Code	Size d1 x d2	le1	le2	l	e1	e2	PN	SDR
8100183	315 x 225	150	125	365	28.6	20.5	16	11
8100184	315 x 250	150	134	365	28.6	22.7	16	11
8100185	315 x 280	150	145	365	28.6	25.4	16	11
8100186	355 x 250	164	136	390	32.2	22.7	16	11
8100187	355 x 280	164	139	390	32.2	25.4	16	11
8100188	355 x 315	164	150	390	32.2	28.6	16	11
8100189	400 x 280	179	139	415	36.3	25.4	16	11
8100190	400 x 315	179	150	415	36.3	28.6	16	11
8100191	400 x 355	179	164	420	36.3	32.2	16	11
8100192	450 x 280	205	140	390	40.9	25.4	16	11
8100193	450 x 315	205	150	390	40.9	28.6	16	11
8100194	450 x 355	205	165	400	40.9	32.2	16	11
8100195	450 x 400	205	180	400	40.9	36.3	16	11
8100196	500 x 315	225	150	430	45.4	28.6	16	11
8100197	500 x 355	225	165	430	45.4	32.2	16	11
8100198	500 x 400	225	180	430	45.4	36.3	16	11
8100199	500 x 450	225	195	430	45.4	40.9	16	11
8100200	560 x 355	240	165	460	50.8	32.2	16	11
8100201	560 x 400	240	180	470	50.8	36.3	16	11
8100202	560 x 450	240	195	470	50.8	40.9	16	11
8100203	560 x 500	240	215	470	50.8	45.4	16	11
8100204	630 x 400	260	180	510	57.2	36.3	16	11
8100205	630 x 450	260	195	510	57.2	40.9	16	11
8100206	630 x 500	260	215	510	57.2	45.4	16	11
8100207	630 x 560	260	235	520	57.2	50.8	16	11
8149105	63 x 32	63	46	142	3.8	2.9	10	17
8149107	63 x 50	64	58	152	3.8	3	10	17
8149108	75 x 63	70	63	166	4.5	3.8	10	17
8149110	90 x 63	79	63	182	5.4	3.8	10	17
8149111	90 x 75	80	73	185	5.4	4.5	10	17
8149112	110 x 63	84	69	185	6.6	3.8	10	17
8149113	110 x 75	83	73	183	6.6	4.5	10	17
8149114	110 x 90	83	80	185	6.6	5.4	10	17
8149115	125 x 63	90	68	200	7.4	3.8	10	17
8149116	125 x 90	90	81	200	7.4	5.4	10	17
8149117	125 x 110	91	90	200	7.4	6.6	10	17
8149118	140 x 90	112	86	235	8.3	5.4	10	17
8149119	140 x 110	114	91	237	8.3	6.6	10	17
8149120	140 x 125	117	96	235	8.3	7.4	10	17
8149121	160 x 90	109	84	254	9.5	5.4	10	17
8149122	160 x 110	110	89	254	9.5	6.6	10	17
8149123	160 x 125	110	95	254	9.5	7.4	10	17
8149124	160 x 140	110	106	254	9.5	8.3	10	17
8149125	180 x 90	105	80	244	10.7	5.4	10	17
8149126	180 x 110	124	93	275	10.7	6.6	10	17
8149127	180 x 125	105	87	250	10.7	7.4	10	17
8149128	180 x 140	123	114	277	10.7	8.3	10	17
8149129	180 x 160	126	125	279	10.7	9.5	10	17
8149130	200 x 140	123	114	279	11.9	8.3	10	17
8149131	200 x 160	122	124	278	11.9	9.5	10	17
8149132	200 x 180	126	120	279	11.9	10.7	10	17
8149133	225 x 140	133	114	290	13.4	8.3	10	17
8149134	225 x 160	134	123	295	13.4	9.5	10	17
8149135	225 x 180	125	118	275	13.4	10.7	10	17
8149136	225 x 200	126	120	272	13.4	11.9	10	17
8149137	250 x 160	151	98	308	14.8	9.5	10	17
8149138	250 x 180	153	105	316	14.8	10.7	10	17
8149139	250 x 200	154	113	325	14.8	11.9	10	17
8149140	250 x 225	155	122	330	14.8	13.4	10	17
8149141	280 x 200	142	116	330	16.6	11.9	10	17
8149142	280 x 225	140	124	335	16.6	13.4	10	17
8149143	280 x 250	139	134	340	16.6	14.8	10	17
8149144	315 x 225	152	125	371	18.7	13.4	10	17
8149145	315 x 250	151	133	367	18.7	14.8	10	17
8149146	315 x 280	150	140	369	18.7	16.6	10	17
8149147	355 x 250	164	129	390	21.1	14.8	10	17
8149148	355 x 280	164	139	390	21.1	16.6	10	17
8149149	355 x 315	164	150	340	21.1	18.7	10	17
8149150	400 x 280	179	139	415	23.7	16.6	10	17
8149151	400 x 315	179	150	415	23.7	18.7	10	17

Product Code	Size d1 x d2	le1	le2	l	e1	e2	PN	SDR
8149152	400 x 355	179	164	420	23.7	21.1	10	17
8149153	450 x 280	205	140	390	26.7	16.6	10	17
8149154	450 x 315	195	150	390	26.7	18.7	10	17
8149155	450 x 355	195	165	395	26.7	21.1	10	17
8149156	450 x 400	205	180	400	26.7	23.7	10	17
8149157	500 x 315	212	150	425	29.7	18.7	10	17
8149158	500 x 355	225	165	430	29.7	21.1	10	17
8149159	500 x 400	225	180	430	29.7	23.7	10	17
8149160	500 x 450	225	195	430	29.7	26.7	10	17
8149161	560 x 355	240	165	460	33.2	21.1	10	17
8149162	560 x 400	240	180	470	33.2	23.7	10	17
8149163	560 x 450	240	195	470	33.2	26.7	10	17
8149164	560 x 500	240	215	470	33.2	29.7	10	17
8149165	630 x 400	260	180	510	37.4	23.7	10	17
8149166	630 x 450	260	195	510	37.4	26.7	10	17
8149167	630 x 500	260	215	510	37.4	29.7	10	17
8149168	630 x 560	260	235	520	37.4	33.2	10	17

Dimensions in mm.

MATERIALS

- **Body:** PE100-RC

INSTALLATION

Plasson Australia recommend electrofusion jointing as per POP001 – Electrofusion Jointing of PE Pipe and Fittings for Pressure Applications, or butt fusion jointing as per POP003 – Butt Fusion Jointing of PE Pipes and Fittings, as published by Plastics Industry Pipe Association of Australia (PIPA). These are free to download from https://pipa.com.au

OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.
Link: https://pipa.com.au/technical/pop-guidelines/

CHEMICAL RESISTANCE

Simona spigot fittings are made from high quality PE100-RC (crack resistant) resins. For chemical purposes they are considered as being made from HDPE, high density polyethylene.

MANUFACTURED BY SIMONA

Plasson Australia is the exclusive Australian distribution partner of SIMONA AG. Headquartered in Kirn, Germany, SIMONA is a leading manufacturer of high quality thermoplastic products with production facilities and sales offices worldwide.

QUALITY CERTIFICATES

Simona fittings are tested and approved according to AS/NZS 4129:2020. These fittings are included in schedules for ISO Type 5 Certificate of Conformity and WSAA Appraisals.
Electrofusion and spigot fittings are batch controlled. Record the batch number on the fitting label and contact Plasson Australia for a copy of the EN 10204 3.1 Inspection Certificate.