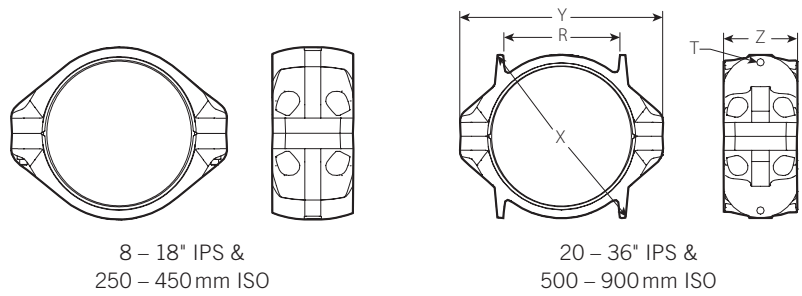


4.1 DIMENSIONS

Style 908 – ISO Standard



ISO Size		Pipe End Separation ³	Bolt/Nut		Joint Assembled					Weight
Nominal mm	Actual Outside Diameter ⁵ mm inches	Allowable mm inches	Qty.	Size ⁴ mm inches	R	T (dia.)	X	Y	Z	Approximate (Each) kg lb
					mm inches	mm inches	mm inches	mm inches	mm inches	
250	251.2	4.60	4	M20 x 127 ¾ x 5.00	–	–	287	404	172	29.0
	9.888	0.18			–	–	11.30	15.90	6.77	63.0
280	281.3	4.60	4	M20 x 127 ¾ x 5.00	–	–	315	459	178	35.0
	11.075	0.18			–	–	12.40	18.07	7.00	77.0
315	316.5	4.60	4	M20 x 127 ¾ x 5.00	–	–	349	476	178	36.0
	12.459	0.18			–	–	13.74	18.74	7.00	79.0
355	356.6	4.60	4	M22 x 140 7/8 x 5.50	–	–	407	541	211	53.0
	14.039	0.18			–	–	16.02	21.30	8.31	117.0
400	401.6	5.10	4	M22 x 140 7/8 x 5.50	–	–	457	593	241	73.0
	15.819	0.2			–	–	18.00	23.35	9.50	161.0
450	452	5.10	4	M22 x 140 7/8 x 5.50	–	–	500	638	241	74.0
	17.797	0.2			–	–	19.69	25.11	9.50	164.0
500	502.3	5.10	4	M22 x 140 7/8 x 5.50	400.3	25.4	705	707	254	116.0
	19.774	0.2			15.8	1.0	27.75	27.84	10.00	255.0
560	562.5	5.10	4	M22 x 140 7/8 x 5.50	438.4	25.4	767	748	267	119.0
	22.146	0.2			17.3	1.0	30.20	29.45	10.50	262.0
630	632.8	6.40	4	M24 x 152 1 x 6.00	444.5	25.4	826	819	305	165.0
	24.915	0.25			17.5	1.0	32.50	32.25	12.00	364.0
710	713.2	6.40	4	M24 x 152 1 x 6.00	508.0	25.4	930	926	330	202.0
	28.079	0.25			20.0	1.0	36.63	36.50	13.00	445.0
800	803.6	6.40	4	M27 x 178 1 1/8 x 7.00	609.6	25.4	1030	1015	348	255.0
	31.638	0.25			24.0	1.0	40.22	40.00	13.70	562.0
900	904.1	6.40	4	M30 x 178 1 ¼ x 7.00	565.4	25.4	1118	1124	387	320.0
	35.593	0.25			22.3	1.0	44.00	44.25	15.25	705.0

³ The allowable pipe end separation dimension is for system layout purposes only.

⁴ Metric bolt/nuts standard, with the exception of North American, South America and Australian shipments, where imperial sizes are standard.

⁵ Actual Outside Diameter shown is the average of the minimum OD and the maximum of the given Nominal Pipe Diameter as designated in ISO 4427-2.

5.0 PERFORMANCE

Style 908 – IPS Standard

PE4710	PE4710 Pipe Pressure Rating ⁴					
	psi					
	DR7 333	DR9 250	DR11 200	DR13.5 160	DR17 125	DR21 100
Nominal Size inches	Maximum Joint Working Pressure					
	psi kPa					
8 – 10	333 2295	250 1725	200 1380	160 1100	125 860	100 690
12 – 24	250* 1725*	250 1725	200 1380	160 1100	125 860	100 690
26 – 28	200* 1380*	200* 1380*	160* 1100*	160 1100	125 860	100 690
30	– –	200* 1380*	160* 1100*	138* 952*	125 860	100 690
32	– –	160* 1100*	160* 1100*	138* 952*	125 860	100 690
36	– –	160* 1100*	160* 1100*	138* 952*	125 860	100 690

⁴ HDPE pipe conforming to ASTM D3035 and F714 at 73°F/23°C. Reference plastic pipe manufacture data for derating factors at other temperatures.

* Maximum joint working pressure may be increased to full pipe pressure rating with the use of pipe end stiffeners. Contact Victaulic for details.

NOTE

- Victaulic Coupling gaskets have been demonstrated to seal under full (29" of Hg/760mm Hg) vacuum requirements. Consult specific HDPE pipe manufacturer for their recommended limitations regarding maximum vacuum as well as the effects of temperature and pipe ovality.

5.1 PERFORMANCE

Style 908 – ISO Standard

PE100	PE100 Pipe Pressure Rating ⁵					
	psi					
	SDR7.4 PN25	SDR9 PN20	SDR11 PN16	SDR13.6 PN12.5	SDR17 PN10	SDR21 PN8
Nominal Size mm	Maximum Joint Working Pressure ⁵					
	Bar kPa psi					
250 – 280	25 2500 363	20 2000 290	16 1600 232	12.5 1250 182	10 1000 145	8 800 116
315 – 630	20* 2000* 290*	20 2000 290	16 1600 232	12.5 1250 182	10 1000 145	8 800 116
710	– – –	16* 1600* 232*	12.5* 1250* 182*	12.5 1250 182	10 1000 145	8 800 116
800	– – –	12.5* 1250* 182*	10* 1000* 145*	10* 1000* 145*	10 1000 145	8 800 116
900	– – –	10* 1000* 145*	10* 1000* 145*	10* 1000* 145*	10 1000 145	8 800 116

⁵ HDPE pipe conforming to ISO 4427-2 at 68°F/20°C. Reference plastic pipe manufacture data for derating factors at other temperatures.

* Maximum joint working pressure may be increased to full pipe pressure rating with the use of pipe end stiffeners. Contact Victaulic for details.

NOTE

- Victaulic Coupling gaskets have been demonstrated to seal under full (29" of Hg/760mm Hg) vacuum requirements. Consult specific HDPE pipe manufacturer for their recommended limitations regarding maximum vacuum as well as the effects of temperature and pipe ovality.

5.2 PERFORMANCE

Style 908 – IPS Standard

Allowable Tensile Load (ATL): joints made with Style 908 couplings can sustain tensile loads noted below.

PE4710 Nominal Size inches	PE4710 Pipe Allowable Tensile Load ⁶					
	DR7	DR9	DR11	DR13.5	DR17	DR21
	lb N	lb N	lb N	lb N	lb N	lb N
8	31,200	25,200	21,100	17,500	14,100	11,500
	138,784	112,095	93,857	77,844	62,720	51,155
10	48,500	39,100	32,800	27,200	21,900	17,900
	215,738	173,926	145,901	120,991	97,416	79,623
12	68,300	55,100	46,100	38,300	30,900	25,200
	303,814	245,096	205,062	170,366	137,449	112,095
14	72,000	64,000	55,600	46,100	37,200	30,400
	320,270	284,686	247,320	205,062	165,473	135,226
16	100,100	86,700	72,600	60,200	48,600	39,800
	445,267	385,659	322,939	267,782	216,183	177,039
18	132,000	109,800	91,900	76,200	61,500	50,400
	587,165	488,412	408,790	338,953	273,564	224,190
20	165,200	135,500	113,400	94,100	76,000	62,200
	734,846	602,731	504,426	418,576	338,063	276,679
22	201,800	164,000	137,200	113,900	91,900	75,300
	897,651	729,505	610,293	506,650	408,790	334,951
24	242,000	195,200	163,300	135,500	109,400	89,600
	1,076,470	868,289	726,391	602,731	486,633	398,561
26	–	229,000	191,700	159,100	128,400	105,175
	–	1,018,643	852,724	707,712	571,152	467,842
28	–	235,000	210,700	180,079	148,900	121,900
	–	1,045,332	937,240	801,031	662,340	542,238
30	–	254,000	234,400	204,929	170,900	140,000
	–	1,129,848	1,042,663	911,567	760,201	622,751
32	–	–	258,000	231,269	194,500	159,300
	–	–	1,147,641	1,028,734	865,179	708,602
36	–	–	305,400	280,700	246,100	197,100
	–	–	1,358,486	1,248,615	1,094,707	876,745

⁶ Allowable tensile loads shown are for straight pulling for a maximum period of one half hour at ambient temperature (68°F/20°C).

5.3 PERFORMANCE

Style 908 – ISO Standard

Allowable Tensile Load (ATL): joints made with Style 908 couplings can sustain tensile loads noted below.

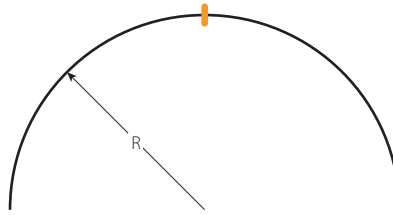
PE100 Nominal Size mm	PE100 Pipe Allowable Tensile Load ⁷					
	SDR7.4	SDR9	SDR11	SDR13.6	SDR17	SDR21
	N lb	N lb	N lb	N lb	N lb	N lb
250	173,925	146,791	122,770	101,419	82,292	67,613
	39,100	33,000	27,600	22,800	18,500	15,200
280	218,408	184,601	154,576	127,219	103,421	84,516
	49,100	41,500	34,750	28,600	23,250	19,000
315	276,679	233,531	195,721	161,025	130,777	107,202
	62,200	52,500	44,000	36,200	29,400	24,100
355	351,410	296,695	248,565	204,617	166,363	136,116
	79,000	66,700	55,880	46,000	37,400	30,600
400	446,157	376,763	315,377	259,775	211,290	173,036
	100,300	84,700	70,900	58,400	47,500	38,900
450	564,924	477,292	399,004	329,167	267,337	218,853
	127,000	107,300	89,700	74,000	60,100	49,200
500	–	588,942	492,861	406,121	330,056	270,452
	–	132,400	110,800	91,300	74,200	60,800
560	–	738,846	618,300	509,764	414,127	339,399
	–	166,100	139,000	114,600	93,100	76,300
630	–	907,437	782,887	644,992	524,445	429,253
	–	204,000	176,000	145,000	117,900	96,500
710	–	1,076,469	951,919	796,231	665,899	545,352
	–	242,000	214,000	179,000	149,700	122,600
800	–	1,249,950	1,129,848	987,505	845,607	692,588
	–	281,000	254,000	222,000	190,100	155,700
900	–	–	1,338,914	1,223,261	1,070,242	876,745
	–	–	301,000	275,000	240,600	197,100

⁷ Allowable tensile loads shown are for straight pulling for a maximum period of one half hour at ambient temperature (68°F/20°C).

5.4 PERFORMANCE

Style 908 – IPS Standard

Bend Radius: joints made with Style 908 couplings can sustain a bending radius as recommended by the Plastic Pipe Institute (PPI) in the Handbook of PE Pipe (2nd ed, Chapter 7, Table 4)

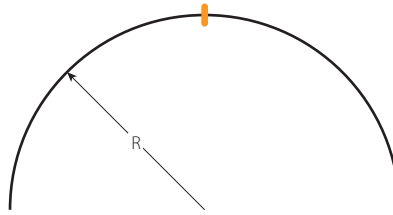


PE4710	PE4710 Pipe Minimum Recommended Bend Radius					
	DR7	DR9	DR11	DR13.5	DR17	DR21
Nominal Size inches	inches mm	inches mm	inches mm	inches mm	inches mm	inches mm
8	173 4382	173 4382	216 5477	216 5477	233 5915	233 5915
10	215 5461	215 5461	269 6826	269 6826	290 7372	290 7372
12	255 6477	255 6477	319 8096	319 8096	344 8744	344 8744
14	280 7112	280 7112	350 8890	350 8890	378 9601	378 9601
16	320 8128	320 8128	400 10160	400 10160	432 10,973	432 10,973
18	360 9144	360 9144	450 11,430	450 11,430	486 12,344	486 12,344
20	400 10,160	400 10,160	500 12,700	500 12,700	540 13,716	540 13,716
22	440 11,176	440 11,176	550 13,970	550 13,970	594 15,088	594 15,088
24	480 12,192	480 12,192	600 15,240	600 15,240	648 16,459	648 16,459
26	– –	520 13,208	650 16,510	650 16,510	702 17,831	702 17,831
28	– –	560 14,224	700 17,780	700 17,780	756 19,202	756 19,202
30	– –	600 15,240	750 19,050	750 19,050	810 20,574	810 20,574
32	– –	640 16,256	800 20,320	800 20,320	864 21,946	864 21,946
36	– –	720 18,288	900 22,860	900 22,860	972 24,689	972 24,689

5.5 PERFORMANCE







Style 908 – ISO Standard

Bend Radius: joints made with Style 908 couplings can sustain a bending radius as recommended by the Plastic Pipe Institute (PPI) in the Handbook of PE Pipe (2nd ed, Chapter 7, Table 4)



PE100	PE100 Pipe Minimum Recommended Bend Radius					
	SDR7.4	SDR9	SDR11	SDR13.6	SDR17	SDR21
Nominal Size mm	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches
250	5000 197	5000 197	6250 246	6250 246	6750 266	6750 266
280	5600 220	5600 220	7000 276	7000 276	7560 298	7560 298
315	6300 248	6300 248	7875 310	7875 310	8505 335	8505 335
355	7100 280	7100 280	8875 349	8875 349	9585 377	9585 377
400	8000 315	8000 315	10,000 394	10,000 394	10,800 425	10,800 425
450	9000 354	9000 354	11,250 443	11,250 443	12,150 478	12,150 478
500	10,000 394	10,000 394	12,500 492	12,500 492	13,500 531	13,500 531
560	11,200 441	11,200 441	14,000 551	14,000 551	15,120 595	15,120 595
630	12,600 496	12,600 496	15,750 620	15,750 620	17,010 670	17,010 670
710	14,200 559	14,200 559	17,750 699	17,750 699	19,170 755	19,170 755
800	– –	16,000 630	20,000 787	20,000 787	21,600 850	21,600 850
900	– –	18,000 709	22,500 886	22,500 886	24,300 957	24,300 957

6.0 NOTIFICATIONS

 WARNING				
				
<ul style="list-style-type: none"> • Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products. • Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products. • Wear safety glasses, hardhat, and foot protection. <p>Failure to follow these instructions may cause joint failure, resulting in death or serious personal injury and property damage.</p>				

7.0 REFERENCE MATERIALS

[I-900: Victaulic HDPE Products Installation and Assembly Manual](#)

[I-908: Victaulic Style 908 Coupling Installation Manual](#)

[05.01: Victaulic Gasket Selection Guide](#)

[11.07: Victaulic Style 926 Mechanical-T Spigot Outlet](#)

[19.07: Victaulic Style 905 Coupling for HDPE Pipe](#)

[19.10: Victaulic Style 907 Transition Coupling Carbon Steel to HDPE Pipe](#)

[19.11: Victaulic HDPE Plain End Fittings](#)

[19.12: Victaulic Style 904 Flange Adapter for HDPE-to-Flanged Pipe Submittal](#)

[24.06: Victaulic Cut Grooving Tools for HDPE](#)

[25.16: Victaulic High Density Polyethylene \(HDPE\) Cut Groove Specifications](#)

[29.01: Victaulic Terms and Conditions/Warranty](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

Intellectual Property Rights

No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Victaulic or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right. The terms "Patented" or "Patent Pending" refer to design or utility patents or patent applications for articles and/or methods of use in the United States and/or other countries.

Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Trademarks

Victaulic and all other Victaulic marks are the trademarks or registered trademarks of Victaulic Company, and/or its affiliated entities, in the U.S. and/or other countries.