

1.0 PERFORMANCE (CONTINUED)

Performance on ANSI Wall Thicknesses



Style 77
Flexible Coupling



Style 75
Flexible Coupling



Style 177N
QuickVic™ Flexible Coupling

Size		Pipe Wall Thickness		Grooving Method Std,C,RX	Style 77		Style 75		Style 177N	
Nominal inches DN	Actual Outside Diameter inches mm	Nominal inches mm	ANSI Schedule Number		Maximum Working Pressure psi kPa	Maximum End Load lbf N	Maximum Working Pressure psi kPa	Maximum End Load lbf N	Maximum Working Pressure psi kPa	Maximum End Load lbf N
¾ DN20	1.050 26.9	0.154 3.9	80S	C	750 5171	650 2892	–	–	–	–
		0.113 2.9	40S	Std,C	750 5171	650 2892	–	–	–	–
		0.083 2.1	10S	RX	500 3447	433 1926	–	–	–	–
		0.065 1.7	5S	RX	500 3447	433 1926	–	–	–	–
1 DN25	1.315 33.7	0.179 4.5	80S	C	750 5171	1020 4538	NR		–	–
		0.133 3.4	40S	Std,C	750 5171	1020 4538	NR		–	–
		0.109 2.8	10S	RX	500 3447	680 3024	NR		–	–
		0.065 1.7	5S	RX	400 2758	545 2424	NR		–	–
1 ¼ DN32	1.660 42.4	0.191 4.9	80S	C	750 5171	1630 7250	NR		–	–
		0.140 3.6	40S	Std,C	750 5171	1630 7250	NR		–	–
		0.109 2.8	10S	RX	500 3447	1090 4848	NR		–	–
		0.065 1.7	5S	RX	400 2758	870 3870	NR		–	–
1 ½ DN40	1.900 48.3	0.200 5.1	80S	C	750 5171	2130 9474	500 3447	1420 6316	–	–
		0.145 3.7	40S	Std,C	750 5171	2130 9474	500 3447	1420 6316	–	–
		0.109 2.8	10S	RX	500 3447	1420 6316	500 3447	1420 6316	–	–
		0.065 1.7	5S	RX	400 2758	1140 5070	400 2758	1140 5070	–	–

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NOTES

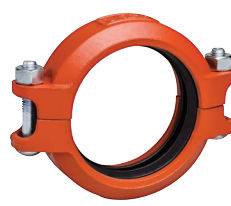
- For pressure ratings on wall thicknesses not mentioned please contact Victaulic.
- Performance data is for ANSI Types 304/304L and 316/316L stainless steel pipe with wall thicknesses from Schedule 5S to Schedule 80S.

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Nominal inches DN	Actual Outside Diameter inches mm	Nominal inches mm	ANSI Schedule Number		Maximum Working Pressure psi kPa	Maximum End Load lbf N	Maximum Working Pressure psi kPa	Maximum End Load lbf N	Maximum Working Pressure psi kPa	Maximum End Load lbf N
2 DN50	2.375 60.3	0.218 5.5	80S	C	750 5171	3330 14812	500 3447	2220 9876	750 5171	3330 14812
		0.154 3.9	40S	Std,C	750 5171	3330 14812	500 3447	2220 9876	750 5171	3330 14812
		0.109 2.8	10S	RX	500 3447	2220 9876	400 2758	1780 7918	500 3447	2220 9876
		0.065 1.7	5S	RX	325 2241	1440 6406	250 1724	1110 4938	325 2241	1440 6406
2 ½	2.875 73.0	0.276 7.0	80S	C	750 5171	4870 21662	500 3447	3250 14456	700 4826	4550 20240
		0.203 5.2	40S	Std,C	750 5171	4870 21662	500 3447	3250 14456	700 4826	4550 20240
		0.120 3.0	10S	RX	500 3447	3250 14456	400 2758	2600 11566	400 2758	2600 11566
		0.083 2.1	5S	RX	325 2241	2110 9386	250 1724	1630 7250	300 2068	1950 8674
3 DN80	3.500 88.9	0.300 7.6	80S	C	750 5171	7220 32116	500 3447	4820 21440	700 4826	6740 29982
		0.216 5.5	40S	Std,C	750 5171	7220 32116	500 3447	4820 21440	700 4826	6740 29982
		0.120 3.0	10S	RX	500 3447	4820 21440	400 2758	3850 17126	400 2758	3850 17126
		0.083 2.1	5S	RX	325 2241	3130 13922	250 1724	2410 10720	300 2068	2890 12856
3 ½ DN90	4.000 101.6	0.318 8.1	80S	C	750 5171	9430 41946	500 3447	6290 27980	–	–
		0.226 5.7	40S	Std,C	750 5171	9430 41946	500 3447	6290 27980	–	–
		0.120 3.0	10S	RX	450 3103	5660 25176	350 2413	4400 19572	–	–
		0.083 2.1	5S	RX	300 2068	3770 16770	225 1551	2830 12588	–	–

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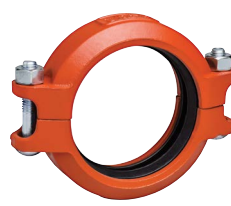
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4 DN100	4.500 114.3	0.337 8.6	80S	C	750 5171	12000 53378	500 3447	7960 35408	600 4137	9550 42480
		0.237 6.0	40S	Std,C	750 5171	12000 53378	500 3447	7960 35408	600 4137	9550 42480
		0.120 3.0	10S	RX	450 3103	7160 31850	300 2068	4780 21262	300 2068	4780 21262
		0.083 2.1	5S	RX	250 1724	3980 17704	200 1379	3190 14190	250 1724	3980 17704
5	5.563 141.3	0.375 9.5	80S	C	750 5171	18300 81402	450 3103	11000 48930	NR	
		0.258 6.6	40S	Std,C	500 3447	12200 54268	300 2068	7300 32472	NR	
		0.134 3.4	10S	RX	300 2068	7300 32472	200 1379	4870 21662	NR	
		0.109 2.8	5S	RX	200 1379	4870 21662	125 862	3040 13522	NR	
6 DN150	6.625 168.3	0.280 7.1	40S	C	750 5171	25900 115208	450 3103	15600 69392	500 3447	17300 76954
		0.280 7.1	40S	Std	500 3447	17300 76954	300 2068	10400 46262	500 3447	17300 76954
		0.134 3.4	10S	RX	200 1379	6900 30692	125 862	4310 19172	150 1034	5180 23042
		0.109 2.8	5S	RX	125 862	4310 19172	75 517	2590 11520	100 689	3450 15346
8 DN200	8.625 219.1	0.322 8.2	40S	C	600 4137	35100 156132	450 3103	26300 116988	400 2758	23400 104088
		0.322 8.2	40S	Std	400 2758	23400 104088	300 2068	17600 78288	400 2758	23400 104088
		0.148 3.8	10S	RX	125 862	7310 32516	75 517	4390 19528	125 862	7310 32516
		0.109 2.8	5S	RX	75 517	4390 19528	50 345	2930 13034	75 517	4390 19528

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Nominal inches DN	Actual Outside Diameter inches mm	Nominal inches mm	ANSI Schedule Number		Maximum Working Pressure	Maximum End Load	Maximum Working Pressure	Maximum End Load	Maximum Working Pressure	Maximum End Load
					psi kPa	lbf N	psi kPa	lbf N	psi kPa	lbf N
10 DN250	10.750 273.0	0.365 9.3	40S	C	600 4137	54500 242428	–	–	–	–
		0.365 9.3	40S	Std	400 2758	36400 161916	–	–	–	–
		0.165 4.2	10S	RX	125 862	11400 50710	–	–	–	–
		0.134 3.4	5S	RX	75 517	6810 30292	–	–	–	–
12 DN300	12.750 323.9	0.375 9.5	40S	C	600 4137	77000 342514	–	–	–	–
		0.375 9.5	40S	Std	400 2758	51500 229084	–	–	–	–
		0.180 4.6	10S	RX	125 862	16000 71172	–	–	–	–
		0.156 4.0	5S	RX	75 517	9580 42614	–	–	–	–

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