



GROOVED COUPLINGS

RC1SS Stainless Steel Rigid Couplings

Performance Data (50°C, CF8M (316))

Part Number	Size		Pipe O.D.	Sch.40S (Roll or Cut Groove)				Sch.10S (Roll Groove)				Sch.5S (Roll Groove)			
				Max.		Max.		Max.		Max.		Max.		Max.	
				Working Pressure	End Load	Working Pressure	End Load	Working Pressure	End Load	Working Pressure	End Load				
in.	mm	mm	PSI	MPa	lbs	kN	PSI	MPa	lbs	kN	PSI	MPa	lbs	kN	
RC1SS-027	3/4	20	26.7	730	5	633	2.80	585	4	507	2.24	390	2.7	338	1.51
RC1SS-033	1	25	33.4	730	5	991	4.38	585	4	794	3.50	390	2.7	529	2.36
RC1SS-042	1 1/4	32	42.2	730	5	1582	6.99	585	4	1268	5.59	390	2.7	845	3.77
RC1SS-048	1 1/2	40	48.3	730	5	2072	9.16	585	4	1661	7.33	390	2.7	1107	4.94
RC1SS-060	2	50	60.3	730	5	3230	14.27	585	4	2588	11.42	390	2.7	1725	7.71
RC1SS-073	2 1/2	65	73.0	585	4	3793	16.73	490	3.4	3177	14.22	340	2.3	2205	9.62
RC1SS-076	3OD	65	76.1	585	4	4122	18.18	490	3.4	3453	15.46	340	2.3	2396	10.46
RC1SS-089	3	80	88.9	585	4	5626	24.82	490	3.4	4712	21.09	340	2.3	3270	14.27
RC1SS-114	4	100	114.3	490	3.4	7789	34.87	490	3.4	7789	34.87	340	2.3	5405	23.59
RC1SS-140	5 1/2OD	150	139.7	390	2.7	9261	41.36	390	2.7	9261	41.36	290	2	6886	30.64
RC1SS-141	5	125	141.3	390	2.7	9474	42.32	390	2.7	9474	42.32	290	2	7045	31.35
RC1SS-165	6 1/2OD	150	165.1	390	2.7	12935	57.77	390	2.7	12935	57.77	290	2	9618	42.80
RC1SS-168	6	150	168.3	390	2.7	13441	60.03	390	2.7	13441	60.03	290	2	9995	44.47
RC1SS-219	8	200	219.1	290	2	16939	75.37	290	2	16939	75.37	195	1.3	11390	48.99
RC1SS-273	10	250	273.0	290	2	26298	117.01	290	2	26298	117.01	195	1.3	17683	76.06
RC1SS-324	12	300	323.9	290	2	37019	164.71	290	2	37019	164.71	195	1.3	24892	107.06

Performance Data (100°C, CF8M (316))

Part Number	Size		Pipe O.D.	Sch.40S (Roll or Cut Groove)				Sch.10S (Roll Groove)				Sch.5S (Roll Groove)			
				Max.		Max.		Max.		Max.		Max.		Max.	
				Working Pressure	End Load	Working Pressure	End Load	Working Pressure	End Load	Working Pressure	End Load				
in.	mm	mm	PSI	MPa	lbs	kN	PSI	MPa	lbs	kN	PSI	MPa	lbs	kN	
RC1SS-027	3/4	20	26.7	660	4.6	572	2.57	530	3.7	460	2.07	350	2.4	304	1.34
RC1SS-033	1	25	33.4	660	4.6	896	4.03	530	3.7	719	3.24	350	2.4	475	2.10
RC1SS-042	1 1/4	32	42.2	660	4.6	1430	6.43	530	3.7	1148	5.17	350	2.4	758	3.36
RC1SS-048	1 1/2	40	48.3	660	4.6	1873	8.42	530	3.7	1504	6.78	350	2.4	993	4.40
RC1SS-060	2	50	60.3	660	4.6	2920	13.13	530	3.7	2345	10.56	350	2.4	1548	6.85
RC1SS-073	2 1/2	65	73.0	530	3.7	3437	15.48	440	3	2853	12.55	310	2.1	2010	8.78
RC1SS-076	3OD	65	76.1	530	3.7	3735	16.82	440	3	3100	13.64	310	2.1	2184	9.55
RC1SS-089	3	80	88.9	530	3.7	5097	22.95	440	3	4231	18.61	310	2.1	2981	13.03
RC1SS-114	4	100	114.3	440	3	6994	30.77	440	3	6994	30.77	310	2.1	4928	21.54
RC1SS-140	5 1/2OD	150	139.7	350	2.4	8311	36.77	350	2.4	8311	36.77	265	1.8	6293	27.58
RC1SS-141	5	125	141.3	350	2.4	8503	37.62	350	2.4	8503	37.62	265	1.8	6438	28.21
RC1SS-165	6 1/2OD	150	165.1	350	2.4	11608	51.35	350	2.4	11608	51.35	265	1.8	8789	38.52
RC1SS-168	6	150	168.3	350	2.4	12063	53.36	350	2.4	12063	53.36	265	1.8	9133	40.02
RC1SS-219	8	200	219.1	265	1.8	15479	67.83	265	1.8	15479	67.83	175	1.2	10222	45.22
RC1SS-273	10	250	273.0	265	1.8	24031	105.31	265	1.8	24031	105.31	175	1.2	15870	70.21
RC1SS-324	12	300	323.9	265	1.8	33828	148.24	265	1.8	33828	148.24	175	1.2	22339	98.83