

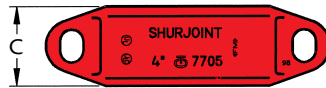
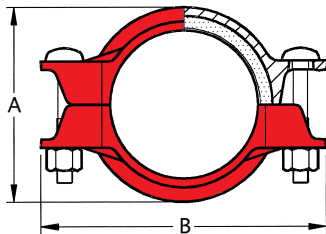


Flexible Coupling

Class 7705 Standard Weight

Technical Features

- Available coupling sizes (Nominal) : DN25/1" to DN300/12".
- Pressure Data :
Maximum Working Pressure : See table below
- Material : Ductile Iron to ASTM A536, Gr. 65-45-12
EPDM Rubber Gasket (Grade "T" Nitrile optional), plated track nuts & bolts (ASTM A449-83a (or A183 Gr. 2)).
- Finish : RAL3000 Red, optionally Galvanised or Epoxy Coated.



Grooved Products

Flexible Coupling - Class 7705 Standard Weight

Physical Data

Coupling Size	Pipe O.D. (mm/inch)	Max. Wk Pressure ¹ (Mpa/psi)	Max. End Load ² kN/lbs	Pipe End Separation ²	Dimensions (mm/inch)			Deflection ²		Bolt Size Ø x L Inches	Weight (kgs/lbs)	Reference		
					A	B	C	per CPLG Degrees	Pipe mm/5.5M in/Ft			Painted	Galvanized	
DN25	1"	33.4 / 1.315	3.5 / 500	3.0 / 679	0-1.6 / 0-0.06	57 / 2.24	100 / 3.94	46 / 1.81	2°-43'	260 / 0.57	3/8 x 1 3/4	0.60 / 1.3	7705/034	7705/034G
-	1 1/4"	42.2 / 1.660	3.5 / 500	4.92 / 1,082	0-1.6 / 0-0.06	66 / 2.60	103 / 4.06	46 / 1.81	2°-10'	208 / 0.45	3/8 x 2	0.66 / 1.5	7705/042	7705/042G
DN40	1 1/2"	48.3 / 1.900	3.5 / 500	6.3 / 1,417	0-1.6 / 0-0.06	72 / 2.83	108 / 4.25	46 / 1.81	1°-54'	182 / 0.40	3/8 x 2	0.70 / 1.6	7705/048	7705/048G
DN50	2"	60.3 / 2.375	3.5 / 500	9.9 / 2,214	0-1.6 / 0-0.06	84 / 3.31	129 / 5.08	48 / 1.89	1°-31'	146 / 0.32	3/8 x 2	0.80 / 1.8	7705/060	7705/060G
-	2 1/2"	73.0 / 2.875	3.5 / 500	14.4 / 3,244	0-1.6 / 0-0.06	99 / 3.90	142 / 5.59	48 / 1.89	1°-12'	120 / 0.26	3/8 x 2	0.90 / 2.0	7705/073	7705/073G
DN65	3"OD	76.1 / 3.000	3.5 / 500	15.7 / 3,533	0-1.6 / 0-0.06	102 / 4.02	147 / 5.79	48 / 1.89	1°-12'	116 / 0.25	3/8 x 2	0.95 / 2.1	7705/076	7705/076G
DN80	3"	88.9 / 3.500	3.5 / 500	21.4 / 4,808	0-1.6 / 0-0.06	116 / 4.57	169 / 6.65	48 / 1.89	1°-02'	99 / 0.22	1/2 x 3	1.38 / 3.1	7705/089	7705/089G
DN100	4"	114.3 / 4.500	3.5 / 500	35.4 / 7,948	0-3.2 / 0-0.13	145 / 5.71	197 / 7.76	52 / 2.05	1°-36'	154 / 0.34	1/2 x 3	1.86 / 4.1	7705/114	7705/114G
-	4 1/4"OD	108.0 / 4.250	3.5 / 500	31.5 / 7,089	0-3.2 / 0-0.13	138 / 5.43	192 / 7.56	52 / 2.05	1°-41'	162 / 0.36	1/2 x 3	1.68 / 3.7	7705/108	7705/108G
DN125	5"	141.3 / 5.563	3.1 / 450	48.6 / 10,932	0-3.2 / 0-0.13	172 / 6.77	234 / 9.21	52 / 2.05	1°-19'	125 / 0.27	5/8 x 3 1/2	2.95 / 6.5	7705/141	7705/141G
-	5 1/4"OD	133.0 / 5.250	3.1 / 450	43.3 / 9,736	0-3.2 / 0-0.13	165 / 6.50	231 / 9.09	52 / 2.05	1°-22'	132 / 0.29	5/8 x 3 1/2	2.72 / 6.0	7705/133	7705/133G
DN125	5 1/2"OD	139.7 / 5.500	3.1 / 450	47.6 / 10,686	0-3.2 / 0-0.13	170 / 6.69	233 / 9.17	52 / 2.05	1°-19'	126 / 0.27	5/8 x 3 1/2	2.92 / 6.4	7705/139	7705/139G
DN150	6"	168.3 / 6.625	3.1 / 450	69.0 / 15,504	0-3.2 / 0-0.13	200 / 7.87	268 / 10.55	54 / 2.13	1°-07'	105 / 0.23	5/8 x 3 1/2	3.10 / 6.9	7705/168	7705/168G
-	6 1/4"OD	159.0 / 6.250	3.1 / 450	61.4 / 13,799	0-3.2 / 0-0.13	190 / 7.48	253 / 9.96	52 / 2.05	1°-09'	111 / 0.24	5/8 x 3 1/2	2.90 / 6.4	7705/159	7705/159G
DN150	6 1/2"OD	165.1 / 6.500	3.1 / 450	66.4 / 14,925	0-3.2 / 0-0.13	196 / 7.72	261 / 10.28	54 / 2.13	1°-07'	107 / 0.23	5/8 x 3 1/2	3.02 / 6.7	7705/165	7705/165G
DN200	8"	219.1 / 8.625	3.1 / 450	116.9 / 26,278	0-3.2 / 0-0.13	260 / 10.24	350 / 13.78	62 / 2.44	0°-50'	80 / 0.17	3/4 x 4 3/4	6.00 / 13.2	7705/219*	7705/219G*
DN250	10"	273.0 / 10.750	2.4 / 350	141.3 / 31,750	0-3.2 / 0-0.13	343 / 13.50	425 / 16.73	64 / 2.52	1°-20'	64 / 0.14	7/8 x 6 1/2	12.0 / 26.4	7705/273**	7705/273G**
DN300	12"	323.9 / 12.750	2.4 / 350	198.8 / 44,664	0-3.2 / 0-0.13	390 / 15.35	467 / 18.39	64 / 2.52	1°-08'	54 / 0.12	7/8 x 6 1/2	15.0 / 33.0	7705/234**	7705/234G**

¹ Working pressure and/or End Load listed are total pressure and/or load permissible when used to assemble standard weight steel pipe, standard roll or cut grooved. Test pressure fields may be increased to 1.5 times the max. working pressure shown above. For working pressure in other pipe schedules, contact your King distributor for information details.

² Deflection and allowable Pipe End Separation listed above relate to roll grooved pipe. For cut grooved pipe, these figures may be doubled.

* This model is not VdS approved. The model 7705H, which has VdS approval, needs to be used when VdS approval is required.

** Not VdS approved.