

Figure 702 Outlet Couplings

(Page 1 of 2)

Tech Data Sheet: G220



The GRINNELL Figure 702 Outlet Coupling has the combined features of a coupling and a reducing outlet, eliminating the need for a mechanical tee or other associated couplings. The coupling is available in grooved, male-threaded, or female-threaded outlets. This design makes installation faster, safer, and more cost effective on the job site.

Additional features:

- Available in sizes 40mm - 150mm (1 1/2" to 6")
- Rated for pressures up to 3,447 kPa (500 psi)
- Suitable for vacuum service up to 254mm HG (10" HG)

Grooved
Couplings

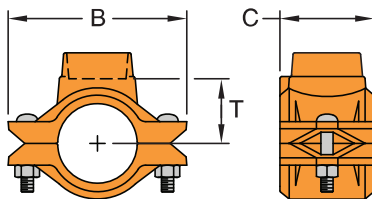


Figure 702
Outlet Coupling with Female Threaded Outlet

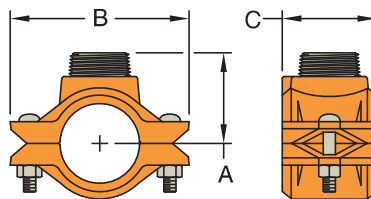


Figure 702
Outlet Coupling with Male Threaded Outlet

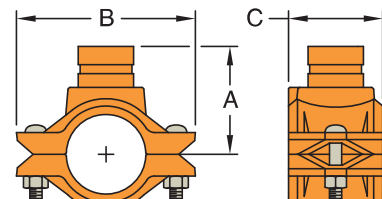


Figure 702
Outlet Coupling with Grooved Outlet

Run Pipe Size		Branch Size				End Gap Range mm Inches	Max. Run End Load kN Lbs.	Dimensions mm Inches				Coupling Bolt Size Inches	Approx. Weight kg Lbs.
Nominal mm Inches	O.D. mm Inches	Female Thread mm Inches	Male Thread mm Inches	Nominal mm Inches	O.D. mm Inches			A	B	C	T		
40 1-1/2	48.3 1.900	21.3 1/2	-	-	-	20-22 0.81-0.88	6.3 1418	-	114.3 4.50	70.0 2.75	52.0 2.06	3/8 x 2-1/8	1.2
		26.7 3/4	-	-	-	20-22 0.81-0.88		-	114.3 4.50	70.0 2.75	52.0 2.06		2.6
		33.7 1	-	-	-	20-22 0.81-0.88		-	114.3 4.50	70.0 2.75	49.0 1.94		1.3
			-	-	-			-					2.9
			-	-	-			-					
50 2	60.3 2.375	21.3 1/2	-	-	-	20-22 0.81-0.88	9.9 2215	-	127.0 5.00	70.0 2.75	59.0 2.32	3/8 x 2-1/8	1.4
		26.7 3/4	-	-	-	20-22 0.81-0.88		-	127.0 5.00	70.0 2.75	59.0 2.32		3.1
		33.7 1	33.7 1	25 1	33.7 1.315	20-22 0.81-0.88		89.0 3.50	127.0 5.00	70.0 2.75	56.0 2.20		1.5
													3.3
65 2-1/2	73.0 2.875	21.3 1/2	-	-	-	32-38 1.25-1.50	14.4 3246	-	161.0 6.33	83.0 3.25	56.0 2.20	1/2 x 2-3/8	2.2
		26.7 3/4	-	-	-	32-38 1.25-1.50		-	161.0 6.33	83.0 3.25	65.0 2.56		4.8
		33.7 1	-	-	-	32-38 1.25-1.50		-	161.0 6.33	83.0 3.25	62.0 2.44		2.1
			-	-	-			-					4.6
		42.4 1-1/4	42.4 1-1/4	32 1-1/4	42.4 1.660	32-38 1.25-1.50		94.0 3.70	161.0 6.33	83.0 3.25	-		4.4
		48.3 1-1/2	48.3 1-1/2	40 1-1/2	48.3 1.900	32-38 1.25-1.50		94.0 3.70	161.0 6.33	83.0 3.25	-		2.2
													5.1
													5.9
													2.4

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(Page 2 of 2)

Tech Data Sheet: G220

10
YEAR
LIMITED
WARRANTY



Grooved
Couplings

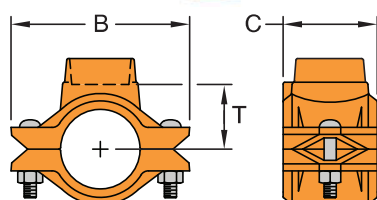


Figure 702
Outlet Coupling with Female Threaded Outlet

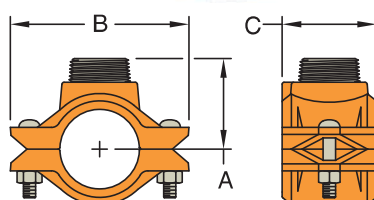


Figure 702
Outlet Coupling with Male Threaded Outlet

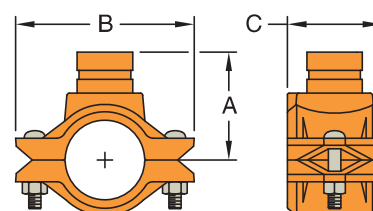


Figure 702
Outlet Coupling with Grooved Outlet

Run Pipe Size		Branch Size				End Gap Range mm Inches	Max. Run End Load kN Lbs.	Dimensions mm Inches				Coupling Bolt Size Inches	Approx. Weight kg Lbs.
Nominal mm Inches	O.D. mm Inches	Female Thread mm Inches	Male Thread mm Inches	Grooved Nominal mm Inches	O.D. mm Inches			A	B	C	T		
80 3	88.9 3.500	26.7 3/4	—	—	—	32-38 1.25-1.50	21.4 4811	—	175.0 6.87	83.0 3.25	72.0 2.83	1/2 x 3•	2.7 5.9
		33.7 1	33.4 1	25 1	33.7 1.315	32-38 1.25-1.50		102.0 4.00	175.0 6.87	83.0 3.25	70.0 2.75		2.8 6.2
		42.4 1-1/4	—	—	—	♦		♦	♦	♦	♦		♦
		48.3 1-1/2	48.3 1-1/2	40 1-1/2	48.3 1.900	32-38 1.25-1.50		102.0 4.00	175.0 6.87	83.0 3.25	—		2.9 6.4
		—	—	—	—	—		—	—	—	—		—
		—	—	—	—	—		—	—	—	—		—
100 4	114.3 4.500	26.7 3/4	—	♦	♦	41-46 1.63-1.81	35.4 7952	♦	211.0 8.31	93.0 3.66	94.0 3.70	5/8 x 3-1/2•	4.2 9.2
		33.7 1	—	♦	♦	41-46 1.63-1.81		♦	211.0 8.31	93.0 3.66	91.0 3.58		4.3 9.5
		48.3 1-1/2	48.3 1-1/2	40 1-1/2	48.3 1.900	41-46 1.63-1.81		124.0 4.88	211.0 8.31	93.0 3.66	84.0 3.31		4.3 9.5
		60.3 2	60.3 2	50 2	60.3 2.375	41-46 1.63-1.81		124.0 4.88	211.0 8.31	93.0 3.66	—		4.5 9.9
		—	—	—	—	—		—	—	—	—		—
		—	—	—	—	—		—	—	—	—		—
150 6	168.3 6.625	33.7 1	—	25 1	33.7 1.315	41-46 1.63-1.81	76.7 17235	—	276.0 10.86	94.0 3.70	121.0 4.76	5/8 x 3-1/2•	6.0 13.2
		—	—	32 1-1/4	42.4 1.660	♦		♦	♦	♦	♦		♦
		48.3 1-1/2	48.3 1-1/2	40 1-1/2	48.3 1.900	41-46 1.63-1.81		154.0 6.06	276.0 10.86	94.0 3.70	121.0 4.76		6.2 13.6
		60.3 2	60.3 2	50 2	60.3 2.375	41-46 1.63-1.81		154.0 6.06	276.0 10.86	94.0 3.70	—		6.5 14.3
		—	—	—	—	—		—	—	—	—		—
		—	—	—	—	—		—	—	—	—		—

■ Threads are BSP. Some size outlets are available with NPT threads. Contact GRINNELL Products for details.

• Only available in ANSI bolt sizes.

♦ Contact GRINNELL for dimension details.

For information on larger sizes, contact GRINNELL Products.

See page 13 for general notes, and see pages 76 - 78 for gasket information.