

Figure 740 Rapid Installation Pivot-Bolt (GRIP) Rigid Couplings


The Figure 740 GRINNELL Rapid Installation Pivot-Bolt (GRIP) Rigid Coupling, provides a rigid joint in one tenth the time of traditional joining methods and in half the time of standard grooved Couplings.

Figure 740 GRIP Couplings are a proven, dependable, and more efficient method of joining pipe. Simply push the EHT gasket onto the pipe, swing the coupling body over the gasket, and tighten only one bolt. In comparison with other installation-ready couplings, the Figure 740 GRIP Coupling allows clear visual confirmation that the gasket is properly seated on the gasket sealing surfaces.



Certified to
NSF/ANSI 61
For detailed Listing / Approval
information contact
GRINNELL Mechanical Products

Ductile Iron Housing Specifications

- ASTM A 536 – Standard specification for ductile iron castings, Grade 65-45-12
- ASTM A 153 – Standard specification for hot-dip galvanizing

Bolt/Nut Specifications

- **ANSI:** Carbon steel oval neck bolts and nuts are heat-treated and conform to the physical properties of ASTM A 183 Grade 2 and SAE J429 Grade 5 with a minimum tensile strength of 110,000 psi (7584 bar). Carbon Steel heavy hex nuts conform to the physical properties of ASTM A 183 Grade 2 and SAE J995 Grade 5. Bolts and nuts are zinc-electroplated conforming to ASTM B 633.
- **Metric:** Carbon steel oval neck track head bolts (Gold color coded) are heat treated and conform to the physical properties of ASTM F 568 M with a minimum tensile strength of 760 MPa. Carbon Steel heavy hex nuts conform to the physical properties of ASTM A 563 M Class 9. Bolts and nuts are zinc-electroplated conforming to ASTM B 633.
- Stainless steel bolts and nuts are available upon request.

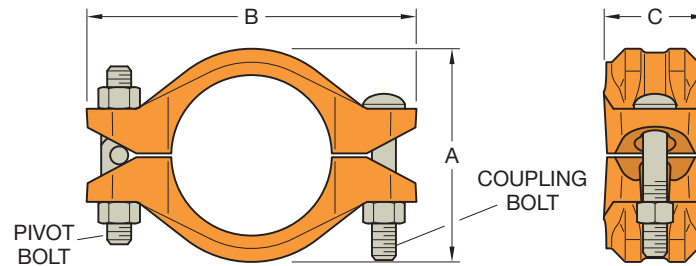
Coatings

- Orange – Non-lead paint (standard)
- Hot-Dipped, Zinc Galvanized (optional)

Gasket Specifications

- **Grade "EHT" EPDM NSF-61 Certified** center-stop, push-on style gaskets have a Green and Red stripped color code. For closed-loop heating systems from -30°F to 250°F (-34°C to 120°C) and potable water systems up to 180°F (up to 82°C). Recommended for use in low temperature and vacuum systems. They are not recommended for petroleum service.
- **Grade "T" Nitrile** gaskets have an Orange stripped color code identification and conform to ASTM D 2000 for service temperatures from -20°F to 180°F (-29°C to 82°C). They are recommended for petroleum products, vegetable oils, mineral oils, and air with oil vapors.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	Phone:	
Architect / Engineer:		
Contractor:		
Address:		
Notes:		

Figure 740 Rapid Installation Pivot-Bolt (GRIP) Rigid Couplings


Pipe Size		Max.† Pressure psi bar	Max.† End Load Lbs. kN	Max. End Gap Inches mm	Dimensions			Pivot Bolts Size Inches Dia x Lg.	Coupling Bolts Size Inches Dia x Lg.	Approx. Weight Lbs. kg
Nominal Inches mm	O.D. Inches mm				A Inches mm	B Inches mm	C Inches mm			
2	2.375	750	3,323	0.33	3.33	5.82	2.12	1/2 x 3 3/4	1/2 x 3 5/8	3.3
50	60.3	51.7	14.78	8.3	84.5	147.8	53.8			1.5
2 1/2	2.875	750	4,869	0.33	3.83	6.31	2.12	1/2 x 3 3/4	1/2 x 3 5/8	3.5
65	73.0	51.7	21.66	8.3	97.3	160.3	53.8			1.6
76.1mm	3.000	♦	♦	0.33	3.96	6.44	2.13	1/2 x 3 3/4	1/2 x 3 5/8	3.6
65	76.1			8.3	100.5	163.5	54.1			1.6
3	3.500	750	7,216	0.33	4.44	6.92	2.14	1/2 x 3 3/4	1/2 x 3 5/8	3.7
80	88.9	51.7	32.10	8.3	112.8	175.8	54.4			1.7
4	4.500	750	11,928	0.39	5.73	8.10	2.22	1/2 x 3 3/4	1/2 x 3 5/8	5.0
100	114.3	51.7	53.06	9.8	145.6	205.7	56.4			2.3
139.7mm	5.500	♦	♦	0.39	6.68	9.64	2.31	5/8 x 4 1/2	5/8 x 4 1/2	7.7
125	139.7			9.8	169.7	244.9	58.7			3.5
5	5.563	750	18,229	0.39	6.79	9.71	2.31	5/8 x 4 1/2	5/8 x 4 1/2	7.7
125	141.3	51.7	81.09	9.8	172.4	246.6	58.7			3.5
165.1mm	6.500	♦	♦	0.39	7.81	10.66	2.32	5/8 x 4 1/2	5/8 x 4 1/2	8.6
150	165.1			9.8	198.4	270.8	58.9			3.9
6	6.625	700	24,130	0.39	7.94	10.79	2.32	5/8 x 4 1/2	5/8 x 4 1/2	8.6
150	168.3	48.2	107.34	9.8	201.7	274.1	58.9			3.9
8	8.625	600	35,056	0.45	10.09	12.84	2.83	5/8 x 4 1/2	5/8 x 4 1/2	12.8
200	219.1	41.4	155.94	11.3	256.3	326.1	71.9			5.8

† Maximum Pressure and End Load are total from all loads based on standard weight steel pipe. Pressure ratings and end loads may differ for other pipe materials and/or wall thickness. Contact GRINNELL Mechanical Products for details.

♦ Contact GRINNELL Mechanical Products for more information.

For information on larger sizes, European sizes or other alternative sizes, contact GRINNELL Mechanical Products.

See page 17 for coupling specifications and pages 247 - 254 for gasket information.