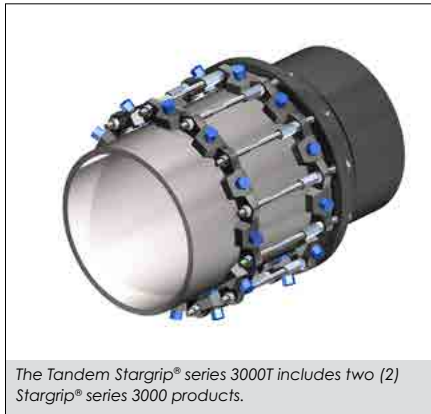




Tandem Stargrip® series 3000T

For High Pressure DI Pipe to MJ Fitting Applications



The Tandem Stargrip® series 3000T includes two (2) Stargrip® series 3000 products.

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:



FEATURES & ADVANTAGES

- The Wedge Assembly is designed with a Break-Off Torque Control Nut that will only break off in one direction, ensuring proper installation.
- The Tandem Stargrip® offers a full 5° deflection through 12" size, 3° on 14"-24", 2° on 30"-36", 1° on 42"-48" and 1/2° on 54" & 60" which is same as a standard Stargrip®.
- The Wedge Assembly is designed to fit specific pipe sizes and is field repairable.
- No special tools are required for installation of the Tandem Stargrip®.
- Stargrip® may be used on steel pipe of any size. For steel pipe 12" and under a transition gasket is required if the diameter regimen is IPS. For steel pipe 14" and larger, the pipe's outside diameter must be the same as ductile iron pipe (CIOD diameter regimen). For sizes 3" – 8", minimum SCH40 steel pipe wall thickness is required. For sizes 10" through 16" the minimum wall thickness must be equal to or greater than PC350 ductile iron pipe. For sizes 18" and above, the minimum wall thickness of the steel pipe must be equal to or greater than PC 250 ductile iron pipe.

MATERIAL SPECIFICATIONS:

- Gland: Ductile Iron per ASTM A536, Grade 65-45-12
- Wedges: Ductile Iron per ASTM A536, Grade 65-45-12 heat treated to a minimum of 370 BHN
 - ♦ Wedge Finish: Thermally cured fluoropolymer epoxy coating

GLAND FINISH OPTIONS (Please check one):

- Standard: alkyd enamel coating
- Optional: Starbond™ TGIC polyester powder coating applied by an electrostatic spray process
- Optional: Other (specify) _____

COUNTRY OF ORIGIN OPTION (Please check one):

- Import
- Domestic - AIS Compliant

HARDWARE OPTIONS (Please check one):

- Standard: T-bolts and bolt rods are high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11-00
- Optional: T-bolts, bolt rods, and nuts alloy SS 304 per ASTM F593
- Optional: T-bolts, bolt rods, and nuts alloy SS 316 per ASTM F593
- Optional: T-bolts, bolt rods and nuts Fluoropolymer Star-Blue coated high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11-00

STAR® PIPE PRODUCTS

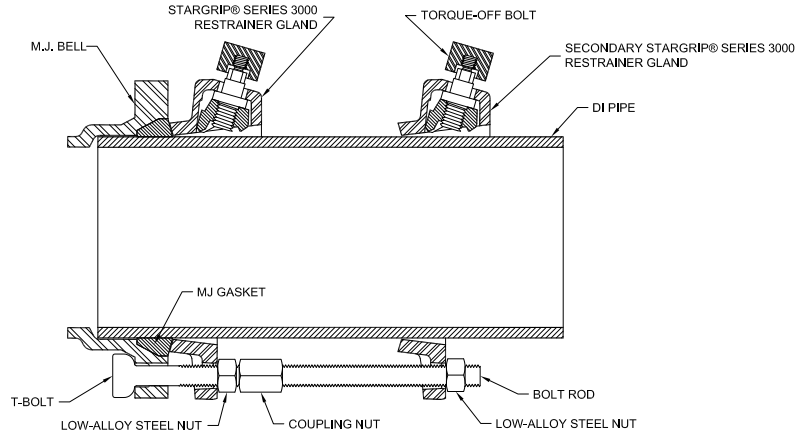




Tandem Stargrip® series 3000T

For High Pressure DI Pipe to MJ Fitting Applications

TECHNICAL INFORMATION



STAR® PIPE PRODUCTS

Please check sizes:

TANDEM STARGRIP® 3000T SPECIFICATIONS						
NOM. SIZE	DI PIPE OD	BOLT ROD SIZE	T-BOLT SIZE	T-BOLT TORQUE (FT-LBS)	COUPLING NUT-GRADE 5 STEEL	WT
3	3.96	5/8 x 6	5/8 x 4	45-60	5/8 x 2 1/8	18
4	4.80	3/4 x 12	3/4 x 4 1/2	75-90	3/4 x 2 1/4	28
6	6.90	3/4 x 12	3/4 x 4 1/2	75-90	3/4 x 2 1/4	41
8	9.05	3/4 x 12	3/4 x 4 1/2	75-90	3/4 x 2 1/4	49
10	11.10	3/4 x 12	3/4 x 4 1/2	75-90	3/4 x 2 1/4	69
12	13.20	3/4 x 12	3/4 x 5	75-90	3/4 x 2 1/4	88
14	15.30	3/4 x 12	3/4 x 5 1/2	90-110	3/4 x 2 1/4	141
16	17.40	3/4 x 12	3/4 x 5 1/2	90-110	3/4 x 2 1/4	159
18	19.50	3/4 x 12	3/4 x 5 1/2	120-140	3/4 x 2 1/4	177
20	21.60	3/4 x 12	3/4 x 5 1/2	120-140	3/4 x 2 1/4	191
24	25.80	3/4 x 12	3/4 x 6	120-140	3/4 x 2 1/4	294
30	32.00	1 x 12	1 x 7 1/2	120-140	1 x 2 3/4	520
36	38.30	1 x 12	1 x 7 1/2	120-140	1 x 2 3/4	616
42	44.50	1 1/4 x 12	1 1/4 x 9 1/2	120-150	1 1/4 x 3	1118
48	50.80	1 1/4 x 12	1 1/4 x 9 1/2	120-150	1 1/4 x 3	1357
54	57.56	1 1/4 x 12	1 1/4 x 9 1/2	120-150	1 1/4 x 3	1572
60	61.61	1 1/4 x 12	1 1/4 x 9 1/2	120-150	1 1/4 x 3	1682

*All dimensions in inches except where indicated.

Notes:

- Stargrip® Series 3000T restraints are designed for use on ductile iron pipe that meets all physical requirements of ANSI/AWWA C151/A21.51. The pipe must be fully annealed to assure primary carbides have been dissolved and pearlite has been converted to ferrite. Please contact Star Pipe Products for technical assistance.
- For applications with vertical offsets and desired pressure rating, please contact Star Pipe Products for technical assistance.
- Pressure Rating has 2:1 safety factor.
- Tightening of T-Bolts and torque limiting twist off heads can be performed by use of Wrench (box, ratchet or pneumatic).
- Maintains same deflection capability as standard Stargrip®
- T-Bolts/Rods/Hex Nuts: High Strength Low Alloy Steel Per ANSI/AWWA C111/A21.11
- Sizes 42" - 60" require extra long 1 1/4" x 9 1/2" T-bolts.
- Due to additional length of the T-bolt, some appurtenances (valves, etc.) may not accommodate T-bolt insertion through the backside of MJ bell.
- Maintains same deflection capability as standard Stargrip®