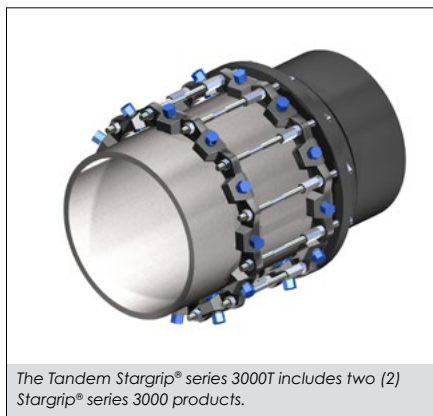




# Tandem Stargrip® series 3000T

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®.
- Tandem Stargrip® may also be used on steel pipe\* up to 12" (\*transition gasket required on 12" and under). For 14" and larger steel applications, contact Star 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

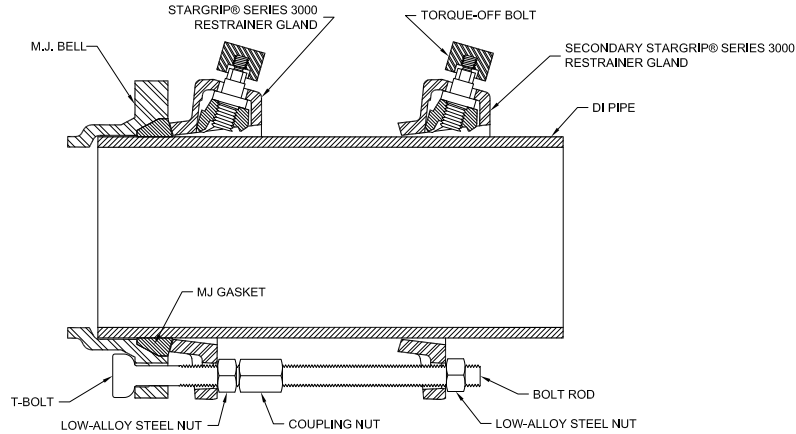




# Tandem Stargrip® series 3000T

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:**

- Tandem 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.
- Sizes 54"-60" require Star high pressure gaskets.