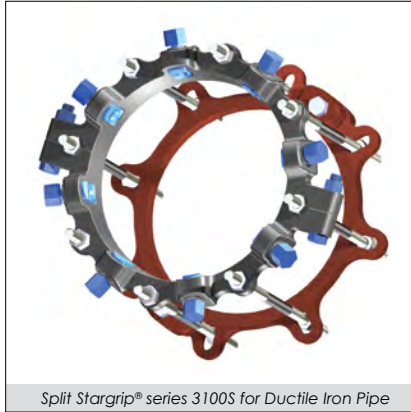




Split Stargrip® series 3100S

Split Wedge Action Restraint
for Ductile Iron Pipe - New or Existing Installations
Patent #5,772,252



Split Stargrip® series 3100S for Ductile Iron Pipe

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:



FEATURES & ADVANTAGES

- Includes Stargrip® series 3000S, Split Back-Up Ring and high strength low alloy steel double ended rods and nuts which meet the requirements of ANSI/AWWA C111/A21.11
- Minimum Safety Factor 2:1
- For use on all classes of Ductile Iron Pipe
- For new and existing pipe to pipe installations
- Pipe OD must be gauged overall to assure restraint will fit properly.
- Please refer to chart for maximum bell outside diameter for rod clearance.
- May also be used on steel pipe up to 12". 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: Fluorocarbon Star-Blue resin bonded coating, thermally cured dry lubricant

GLAND FINISH OPTIONS (Please check one):

Standard: Star Multi-Coat™ 2-phase coating process consisting of a zinc rich primer base coat and an alkyd enamel top coating

Optional: Starbond™ TGIC polyester powder coating applied by an electrostatic spray process

Optional: Other (specify) _____

HARDWARE OPTIONS (Please check):

Standard: T-bolts are high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11-00

Optional: T-bolts and nuts alloy SS 304 per ASTM F593

Optional: T-bolts and nuts alloy SS 316 per ASTM F593

Optional: T-bolts and nuts Fluoropolymer Star-Blue coated high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11-00

STAR® PIPE PRODUCTS

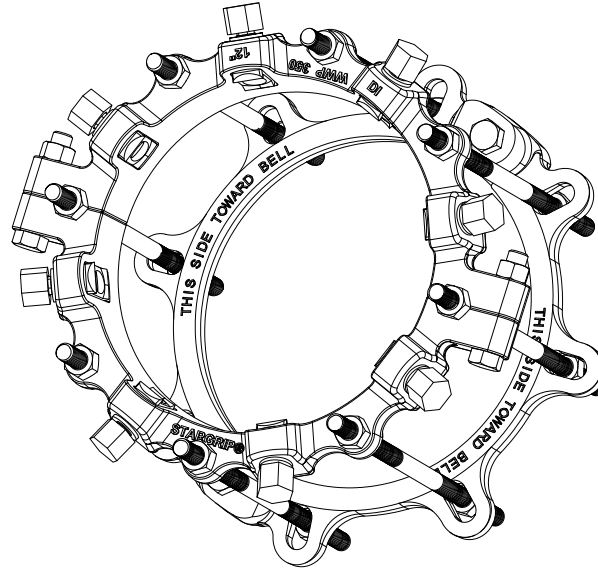




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TECHNICAL INFORMATION



SPLIT STARGRIP® 3100S SPECIFICATIONS*

Please check sizes:

| NOM. SIZE | MAX PRESSURE RATING (PSI) | RODS (QTY) | ROD DIA x LENGTH | MAX. BELL OD | APPROX WT. (LBS) |
|-----------|---------------------------|------------|------------------|--------------|------------------|
| 3 | 350 | 4 | 5/8 x 17 | 5.44 | 22 |
| 4 | 350 | 4 | 3/4 x 17 | 6.62 | 26 |
| 6 | 350 | 6 | 3/4 x 17 | 8.62 | 36 |
| 8 | 350 | 6 | 3/4 x 17 | 10.88 | 42 |
| 10 | 300 | 8 | 3/4 x 24 | 13.12 | 64 |
| 12 | 300 | 8 | 3/4 x 24 | 15.38 | 78 |
| 14 | 300 | 8 | 3/4 x 24 | 17.88 | 122 |
| 16 | 300 | 10 | 3/4 x 24 | 20.12 | 142 |
| 18 | 200 | 10 | 3/4 x 24 | 22.38 | 154 |
| 20 | 200 | 12 | 3/4 x 24 | 24.62 | 186 |
| 24 | 200 | 14 | 3/4 x 24 | 29.12 | 288 |
| 30 | 200 | 18 | 1 x 24 | 35.75 | 485 |
| 36 | 200 | 22 | 1 x 24 | 42.62 | 600 |
| 42 | 175 | 28 | 1 1/4 x 30 | 49.25 | 1242 |
| 48 | 175 | 32 | 1 1/4 x 30 | 56.12 | 1423 |

*All dimensions in inches except where indicated.

