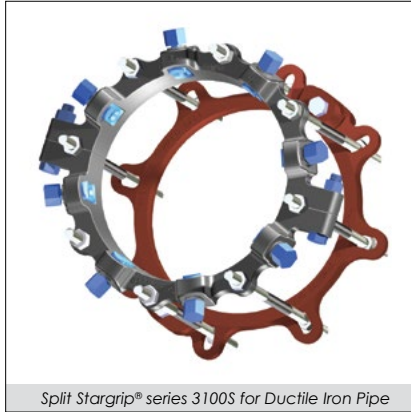




# Split Stargrip® series 3100S

Split Wedge Action Restraint  
for Ductile Iron Pipe - New or Existing Installations



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.

### MATERIAL SPECIFICATIONS:

- Stargrip® and Split Back-Up Ring 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) \_\_\_\_\_

### HARDWARE OPTIONS (Please check):

- Standard: Restraint rods and nuts are high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11
- Optional: Restraint rods alloy SS 304 per ASTM F593 CW; Restraint Nuts alloy SS 304 per ASTM F594 CW
- Optional: Restraint rods alloy SS 316 per ASTM F593 CW; Restraint Nuts alloy SS 316 per ASTM A194 Grade 8M
- Optional: Restraint rods and nuts Fluoropolymer Star-Blue coated high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11



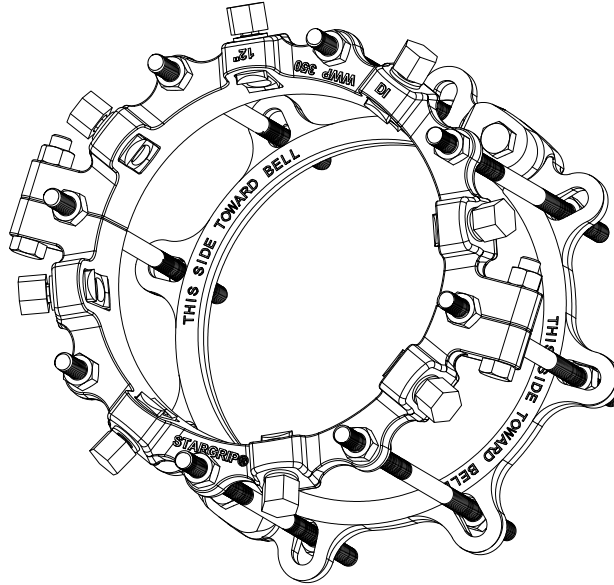
STAR® PIPE PRODUCTS



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Split Wedge Action Restraint  
for Ductile Iron Pipe - New or Existing Installations

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	5.57	22
4	350	4	3/4 x 17	6.75	26
6	350	6	3/4 x 17	9.27	36
8	350	6	3/4 x 17	11.63	42
10	300	8	3/4 x 24	13.37	64
12	300	8	3/4 x 24	16.60	78
14	300	8	3/4 x 24	19.17	122
16	300	10	3/4 x 24	21.41	142
18	200	10	3/4 x 24	23.64	154
20	200	12	3/4 x 24	26.05	186
24	200	14	3/4 x 24	30.78	288
30	200	18	1 x 24	37.39	485
36	200	22	1 x 24	44.42	600
42	175	24	1 1/4 x 30	49.37	1176
48	175	28	1 1/4 x 30	56.25	1366

\*All dimensions in inches except where indicated.

**Notes:**

- For applications with vertical offsets, please contact Star Pipe Products for technical assistance.
- Pressure ratings shall not exceed the maximum pressure rating of the ductile iron pipe it is installed on.

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