



# Split Stargrip® series 3000S

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



Stargrip® series 3000S for Ductile Iron Pipe.

### SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:



### FEATURES & ADVANTAGES

- Split design Stargrip® Series 3000S for easy installation on new or existing Ductile Iron Mechanical Joint systems.
- The Wedge Assembly is designed with a Break-Off Torque Control Nut that will only break off in one direction, ensuring proper installation.
- Offers a full 5° deflection through 12" size, 3° on 14"-24", 2° on 30"-36" and 1° on 42"-48".
- Minimum safety factor of 2:1
- The Wedge Assembly is designed to fit specific pipe sizes and is field repairable.
- Clamping bolts per SAE J429 Grade 5 steel
- Eliminates tie rods and thrust blocks
- Split 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) \_\_\_\_\_

### 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



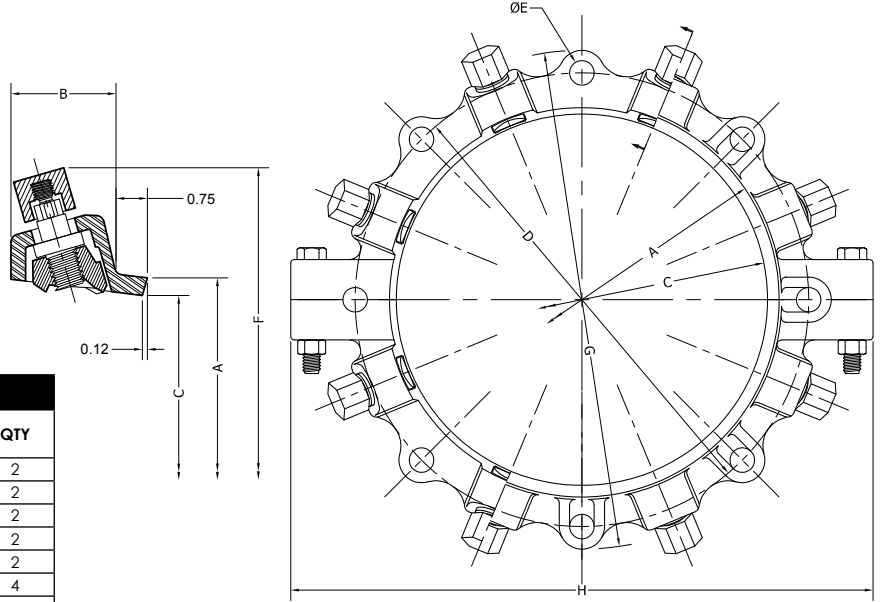


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TECHNICAL INFORMATION

STAR® PIPE PRODUCTS



CLAMPING BOLT SIZE		
SERIES 3000S (IN)	BOLT SIZE (IN)	QTY
3-6	5/8 x 3 1/2	2
8-10	3/4 x 3 1/2	2
12	3/4 x 4	2
14-24	7/8 x 3 3/4	2
30	1 x 3 3/4	2
36	7/8 x 3 3/4	4
42-48	1 1/8 x 4 1/2	4

SPLIT STARGRIP® 3000S SPECIFICATIONS\*

Please check sizes:

NOM. SIZE	MAX PRESSURE RATING (PSI)	A	B	C	D	E	F	F W/ NUTS TWISTED OFF	G	H	WEDGES (QTY)	T-BOLTS (QTY)	APPROX WT. (LBS)
3	350	4.66	2.40	4.06	6.19	3/4	9.85	8.45	7.69	8.77	2	4	9
4	350	5.92	2.44	4.90	7.50	7/8	11.06	9.28	9.12	9.80	2	4	11
6	350	8.02	2.44	7.00	9.50	7/8	13.06	11.38	11.12	13.86	3	6	14
8	350	10.17	2.44	9.15	11.75	7/8	15.25	13.53	13.37	15.16	4	6	17
10	300	12.22	2.44	11.20	14.00	7/8	17.25	15.58	15.62	17.98	6	8	26
12	300	14.32	2.44	13.30	16.25	7/8	19.50	12.68	17.88	20.86	8	8	36
14	300	16.40	2.83	15.44	18.75	7/8	21.25	19.82	20.75	25.08	10	10	49
16	300	18.50	2.83	17.54	21.00	7/8	23.34	21.92	23.00	27.12	12	12	56
18	200	20.60	2.91	19.64	23.25	7/8	26.40	24.84	25.25	29.64	12	12	61
20	200	22.70	2.67	21.74	25.50	7/8	28.56	27.00	27.50	31.66	14	14	75
24	200	26.90	3.50	25.94	30.00	7/8	33.86	32.30	31.54	36.14	16	16	134
30	200	33.29	3.49	32.17	36.88	1 1/8	40.12	38.56	39.12	44.18	20	20	201
36	200	39.59	3.49	38.47	43.75	1 1/8	46.42	44.86	46.00	51.29	24	24	240
42	175	45.79	5.15	44.75	50.62	1 3/8	54.86	53.32	53.12	58.82	28	28	581
48	175	52.09	5.15	51.05	57.50	1 3/8	61.16	59.62	60.00	65.12	32	32	664

\*All dimensions in inches except where indicated.

Notes:

- Sizes 42" & 48" require extra long 1 1/4" x 8 1/2" T-bolts.