



Heavy Duty Retainer Gland series 600

For Mechanical Joints



Heavy Duty Retainer Gland - Series 600

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:

FEATURES & ADVANTAGES

- Offers a full 5° deflection through 12" size, 3° on 14"-20" & 2° on 24"-36"
- Sizes 3" through 12" are Underwriters Laboratories Listed for use on Ductile Iron, Thickness Class 51 and Pressure Class 350 at 350 psi and on Steel Pipe, Schedule 40, 3" to 10" is rated at 350 psi & 12" at 250 psi.
- Safety factor is twice (2:1) the standardized pressure rating on **Table A**.
- Intended for use on Ductile Iron or Steel Pipe as listed in **Table A**
- Use on Steel Pipe, sizes 3"-12" requires a transition gasket.
- Retainer Glands eliminate tie rods and thrust blocks.

Table A

Nominal Size	Maximum Working Pressure Rating					
	TC Ductile Iron Pipe		PC Ductile Iron Pipe			Steel Pipe SCH40+
	50	51+	PC250	PC300	PC350	
3	N/A	350	N/A	N/A	350	350
4	N/A	350	N/A	N/A	350	350
6	350	350	N/A	N/A	350	350
8	350	350	N/A	N/A	350	350
10	350	350	N/A	N/A	350	350
12	350	350	N/A	N/A	350	250
14	250	250	250	250	250	N/A
16	250	250	250	250	250	N/A
18	150	150	150	150	150	N/A
20	150	150	150	150	150	N/A
24	150	150	150	150	150	N/A
30	N/A	100	100	100	100	N/A
36	N/A	100	100	100	100	N/A

MATERIAL SPECIFICATIONS:

- Gland: Ductile Iron per ASTM A536, Grade 65-45-12
- Square Head Cup Point Set Screws: Medium Carbon Alloy Steel, Through Hardened Per ASME B18.6.2

GASKET OPTIONS (Please check one):

Standard: SBR Gasket

Optional: Transition Gasket (for Steel Pipe)

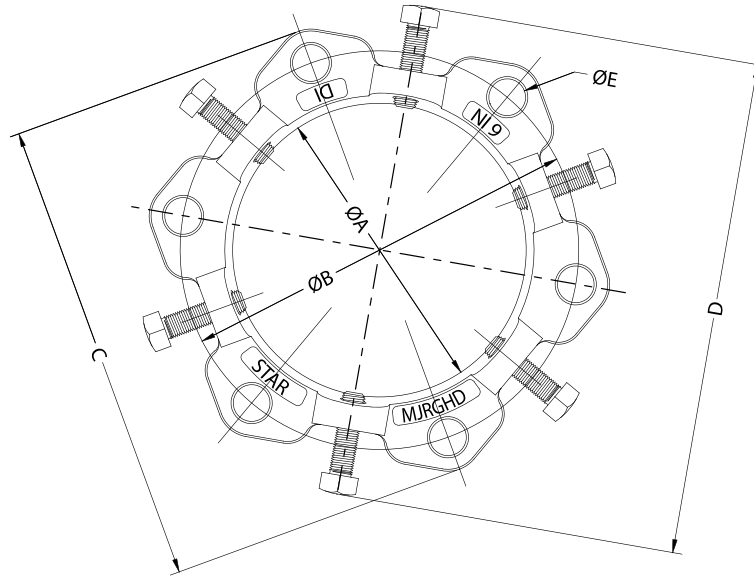
STAR® PIPE PRODUCTS



Heavy Duty Retainer Gland series 600

For Ductile Iron Mechanical Joints

TECHNICAL INFORMATION



HEAVY DUTY RETAINER GLAND 600 SPECIFICATIONS*												
NOM. SIZE	DI PIPE OD	STEEL PIPE** OD	WWP (PSI)	ØA	ØB	C	D	ØE	SET SCREWS SIZE (QTY)	SET SCREW TORQUE (FT-LBS)	APPROX. WT. (LBS)	
3	3.96	3.50	350	4.06	6.19	7.69	8.87	3/4	5/8x2 (4)	85	5	
4	4.80	4.50	350	4.90	7.50	9.12	9.72	7/8	5/8x2 (4)	85	7	
6	6.90	6.63	350	7.00	9.50	11.12	11.82	7/8	5/8x2 (6)	85	11	
8	9.05	8.63	350	9.15	11.75	13.37	13.95	7/8	5/8x2 (9)	85	15	
10	11.10	10.75	350	11.20	14.00	15.62	16.00	7/8	5/8x2 (16)	85	22	
12	13.20	12.75	300	13.30	16.25	17.88	18.12	7/8	5/8x2 (16)	85	27	
14	15.30	N/A	250	15.44	18.75	20.25	20.20	7/8	5/8x2 (20)	90	44	
16	17.40	N/A	250	17.54	21.00	22.50	22.30	7/8	5/8x2 (24)	90	55	
18	19.50	N/A	150	19.64	23.25	24.75	24.40	7/8	5/8x2 (24)	90	60	
20	21.60	N/A	150	21.74	25.50	27.00	26.50	7/8	5/8x2 (28)	90	73	
24	25.80	N/A	150	25.94	30.00	31.50	30.70	7/8	5/8x2 (32)	90	92	
30	32.00	N/A	100	32.17	36.88	39.12	39.13	1-1/8	3/4x3 (40)	90	169	
36	38.30	N/A	100	38.47	43.75	46.00	45.43	1-1/8	3/4x3 (48)	90	213	

Please check sizes:

*All dimensions in inches except where indicated.

Notes:

** Transition gasket required on steel pipe.

STAR® PIPE PRODUCTS