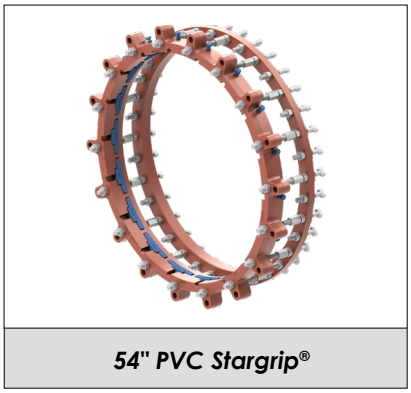
PVC Stargrip® series 4000

Mechanical Joint Wedge Action Restraint
for Plastic Pressure Pipe
Sizes 54" - 60"



54" PVC Stargrip®

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:

AWWA MEMBER

TÜVRheinland® Certified to ISO 9001:2015

FEATURES & ADVANTAGES

- Both sizes come with Restrainer Gland assembly, MJ Gland, High Pressure MJ Gasket and Fasteners.
- Safety factor is twice (2:1) the standardized pressure rating listed in Table A.
- Standard gland color is Coral Red and is made from high strength Ductile Iron per ASTM A536 Grade 65-45-12.
- Eliminates the need for tie rods and thrust blocks.
- Fewer wedges and lower wedge-bolt torque results in quicker and easier installation.
- The Restraint and MJ gland are designed with a larger inside diameter which allows restraint to be installed on pipe with ovality.
- Improved wedge bolt design prevents over torquing which can damage PVC pipe.
- Wedges are mechanically attached to wedge bolts, which eliminates the possibility of falling out during shipping and handling.
- US Patent# 9,822,910.

MATERIAL SPECIFICATIONS:

- Wedges: Ductile Iron per ASTM A536, Grade 65-45-12. Wedge coating is a thermally cured fluoropolymer epoxy.

GLAND FINISH OPTIONS (Please check one):

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

☐ Other (specify) _____

COUNTRY OF ORIGIN OPTION (Please check one):

☑ Import

HARDWARE OPTIONS (Please check):

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

☐ Optional: T-bolts alloy SS 304 per ASTM F593; Nuts alloy SS 304 per ASTM F594 CW

☐ Optional: T-bolts SS 316 per ASTM F593; Nuts SS 316 per ASTM A194 Grade 8M

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

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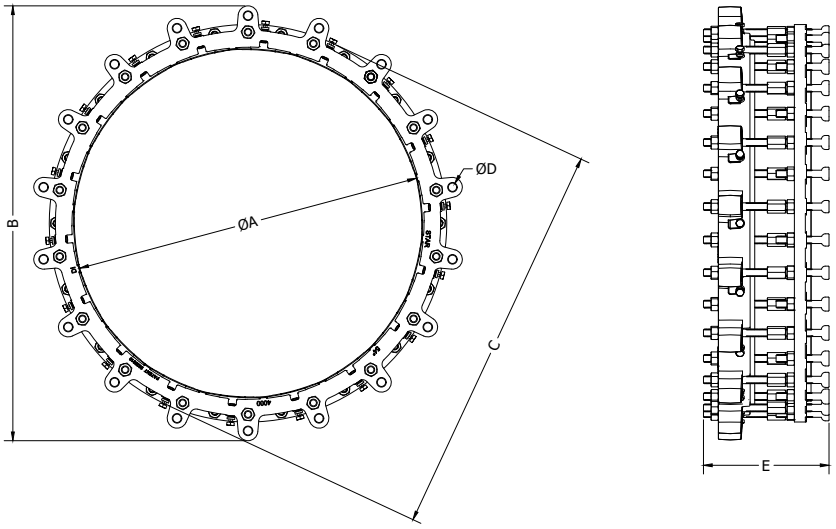
TECHNICAL INFORMATION (SIZES 54"-60")



STARGRIP® 4000 SPECIFICATIONS* (SIZES 54"-60")

NOM. SIZE	C900 PIPE CI OD	ØA	B	C²	ØD	E	T-BOLT SIZE (QTY)	WEDGE (QTY)	APPROX WT. (LBS)
☐ 54	57.56	57.90	71.89	65.41	1-3/8	20.75	1 1/4 (36)	16	1,457
☐ 60	61.61	61.95	77.14	69.46	1-3/8	20.75	1 1/4 (36)	16	1,605

**All dimensions in inches except where indicated.*
2 - dimension after assembly on pipe

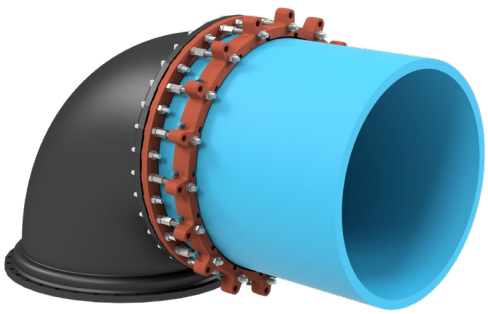


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Table A. Maximum Working Pressure Rating with Occasional or Recurring Surges in PSI for Plastic Pipes Made to a CIOD Diameter Regimen

NOM. SIZE (IN)	AWWA C900 PVC				
	DR25	DR27.5	DR32.5	DR41	DR51
54	150	*	*	100	80
60	*	*	*	*	*

** Contact Star Pipe Products for details.*

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