

HYMAX[®]

a **MUELLER** brand

HYMAX GRIP[®] LARGE DIAMETER* (14" - 16") Product Specifications

FEATURES

- The first restraint product of its size with only four top-facing bolts and a stab-fit, one piece design- for faster and safer installation
- Exerts gripping power equal to 55 tons on connecting pipes
- Restrains both plastic and metal pipes, including HDPE, and replaces the need to use dedicated products
- Patented grip chain offers circular restraint around the pipe
- Patented radial closing mechanism holds pipes tightly in place during installation
- Allows dynamic deflection of the pipe for up to 4° per side, reducing future pipe cracks and breaks



SPECIFICATIONS STANDARDS

- HYMAX GRIP Large Diameter meets or exceeds standards AWWA C219, NSF 61, NSF 372.

SIZE

- Available in nominal diameter from 14" - 16" standard.

MATERIALS

END RINGS

- Ductile iron casting ASTM A536 Grade 65-45-12.

CENTER RING

- Ductile iron casting ASTM A536 Grade 65-45-12.
- All product sizes with lifting eye.

*Registered Patent

GASKETS

- EPDM compounded for water and sewage in accordance with ASTM D2000, meets international standards for contact with drinking water.

GRIP CHAIN

- Gripping teeth: FN-0405 (Fe4Ni05Mo).

BRIDGE

- AISI 304 stainless steel. ASTM A240.

SPHERICAL SPACERS

- AISI 304 stainless steel. ASTM A351 CF8.

COATING

- 100% fusion bonded epoxy for enhanced corrosion protection.
- Average thickness 14 mm.
- Meet standard AWWA C116.

BOLTS, NUTS AND WASHERS

- AISI 304 stainless steel. Rolled thread and anti galling coating. ASTM F593, ASTM F594, ASTM A240 respectively.



JOIN



REPAIR



RESTRAIN



TAP

MUELLER

PRODUCT PERFORMANCE**

WORKING TEMPERATURE

- EPDM: -20° F up to +125° F

DYNAMIC DEFLECTION

- Up to 4° per side

MIN. PIPE INSERTION

- 5.9"

PRESSURES & ΔT

- ΔT - HDPE pipe expands and contracts with changes in temperature and exerts large pull-load forces on the coupling. ΔT for HDPE pipe is the change in temperature the coupling can withstand when installed on HDPE pipe.

NOTE: Insert stiffeners are required when installing this product on HDPE pipe

MAXIMUM OFFSET FOR MISALIGNED PIPES

- 0.25"

MAXIMUM OUT OF ROUNDNESS

- 0.16"

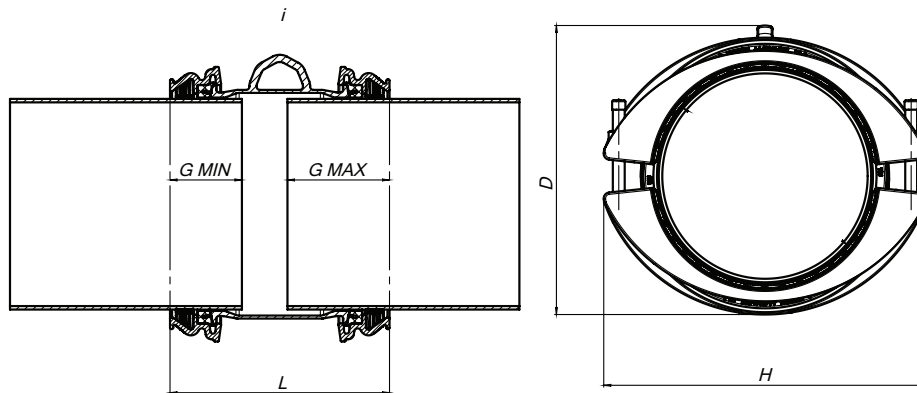
VACUUM TEST

- 12 psi

**See submittal drawings for details.

ND (inch)	Working Pressure (psi)	ΔT for HDPE SDR 9 (°F)
14	250	50
16	250	50

PRODUCT TABLES



HYMAX Part Number	ND (inch)	Overall Range (inch)	L (inch)	D (inch)	H (inch)	G - Max Stab Depth (inch)	G - Min Stab Depth (inch)	Bolts Qty. - Size (inch)	Torque (ft-lbs)	Approx. Weight (lbs)
890-56-14384-17	14	15.12 - 15.75	18.6	22.2	25	8.3	5.9	4 - 1	350	224
890-56-16438-17	16	17.25 - 17.88	18.6	24.3	27.1	8.3	5.9	4 - 1	350	251

To learn more, visit HymaxUSA.com.

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