

HYMAX[®]

a **MUELLER** brand

HYMAX GRIP[®] SWIVELJOINT (4" - 12")

Product Specifications

FEATURES

- Unique product with swiveling capabilities
- Joins and restrains a wide range of pipe types and diameters, at any angle from 0° to 90°
- Unique radial gripping system
- Universal gripping teeth fit many pipe types. Check with your local salesperson for pipe material verification
- Ready to use, stab-fit design
- Allows 4° dynamic deflection per side, potentially reducing future damage
- Durable ductile iron body
- Patented hydraulically-assisted gasket with 2-stage sealing

SPECIFICATIONS STANDARDS

- HYMAX GRIP SWIVELJOINT meets and exceeds standards: AWWA C219, NSF 61 and NSF 372.

SIZE

- Available in nominal diameter sizes 4", 6", 8", 10", 12".

MATERIALS

END RINGS

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

CENTER RING

- (Bodies) - Ductile iron casting ASTM A536 Grade 65-45-12.
- All product sizes with handle.



GASKETS

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

GRIP CHAIN

- AISI 420 2B.

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.
- Nominal thickness 14 mm.
- Meets AWWA C116 standard.

BOLTS, NUTS AND WASHERS

- BOLTS - AISI 304 stainless steel. Rolled thread and anti-galling coating. ASTM F593.
- NUTS and WASHERS - AISI 316 stainless steel. ASTM F594, ASTM A240 respectively.



JOIN



REPAIR



RESTRAIN



TAP

MUELLER

PRODUCT PERFORMANCE

WORKING TEMPERATURE

- 20° F up to +125° F

DYNAMIC DEFLECTION

- Up to 4° per side

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.

*See submittal drawings for details.

Insert stiffeners are required when installing this product on HDPE pipe.

MIN. PIPE INSERTION

- 3.6"

MAXIMUM OUT OF ROUNDNESS

- 0.16"

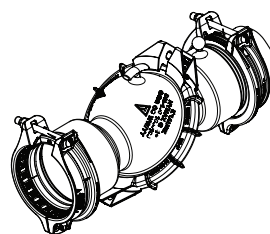
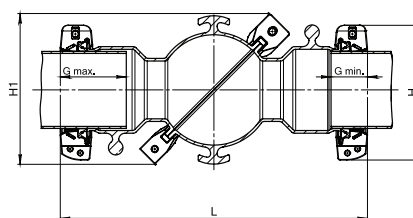
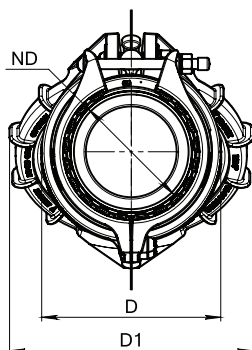
VACUUM TEST

- 12 psi

Standard Pressure GRIP

ND (inch)	Steel, DI, CI, PVC & SS	HDPE	ΔT for HDPE SDR 9 (°F)
	Working Pressure (psi)	Working Pressure (psi)	
4	232	232	85
6	232	232	85
8	232	193	50
10	232	163	50
12	232	155	35

PRODUCT TABLES



HYMAX GRIP SWIVELJOINT NOMINAL SIZE 4" - 12"

HYMAX Part Number	Nominal Diameter (inch)	Overall Range (inch)	L (inch)	D (inch)	H (inch)	D1 (inch)	H1 (inch)	G - Max (inch)	Bolts Qty. - Size (inch)	Torque (ft-lbs) one central bolt	Torque (ft-lbs) two side bolts	Approx. Weight (lbs)
892-56-04111-16	4	4.40 - 5.10	25.3	8.7	10.6	12.4	12.2	6.1	3 - 5/8	45	90	71
892-56-06165-16	6	6.50 - 7.20	29.3	10.9	12.9	14.8	14.2	6.9	3 - 5/8	60	110	98
892-56-08216-16	8	8.50 - 9.40	31.7	13.8	15.7	16.4	15.4	6.7	3 - 3/4	60	200	145
892-56-10270-16	10	10.65 - 11.55	33.3	16.2	18.2	18.4	17	6.9	3 - 3/4	60	200	183
892-56-12322-16	12	12.68 - 13.39	39.8	17.4	19.8	23.9	21	7.5	3 - 3/4	110	200	270

To learn more, visit HymaxUSA.com.

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