

HYMAX[®]

a **MUELLER** brand

HYMAX GRIP[®] CATHODIC COUPLING* (1.5" - 12")

Product Specifications

FEATURES

- HYMAX GRIP restraint coupling with cathodic protection
- Joins and restrains a wide range of pipe types and diameters
- 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 Cathodic meets or exceeds standards AWWA C219, NSF 61, NSF 372.

SIZE

- Available in nominal diameter from 1.5" - 12".

MATERIALS

END RINGS

- 1.5" - 3": Cast steel ASTM A216 WCB.
- 4" - 12": Ductile iron casting ASTM A536 Grade 65-45-12.

CENTER RING

- 1.5" - 12": Ductile iron casting ASTM A536 Grade 65-45-12.
- Only 3"-12".

*Registered patent



JOIN



REPAIR



RESTRAIN



TAP



GASKETS

- Compounded for water and sewage in accordance with ASTM D2000, meet international standards for contact with drinking water.

GRIP CHAIN

Gripping teeth:

- Sizes 1.5" - 3": FN-0405 (Fe4Ni05Mo).
- Sizes 4" - 12": 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 standard AWWA C116.

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.

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PRODUCT PERFORMANCE

WORKING TEMPERATURE

- EPDM: -20° F up to +125° F
- NBR: -4° F up to +125° F

DYNAMIC DEFLECTION

- Up to 4° per side

MIN. PIPE INSERTION

- 3.6"

MAXIMUM OFFSET FOR MISALIGNED PIPES

- 0.25"

MAXIMUM OUT OF ROUNDNESS

- ND 1.5" - ND 3": 0.12"
- ND 4" - ND 12": 0.16"

WORKING PRESSURE

- ND 1.5" - ND 12": 232 psi

VACUUM TEST

- 12 psi

*See submittal drawings for details.

PRODUCT TABLES

TORQUE		
ND (inch)	EPDM (ft-lb)	NBR (ft-lb)
1.5	50	50
2.5	50	50
3	50	50
4	90	105
6	110	110
8	200	200
10	200	200
12	200	200

PRODUCT CONFIGURATIONS

The product is offered in several different configurations. Note that the "xx" marking in the Cat. no. should be replaced as directed:

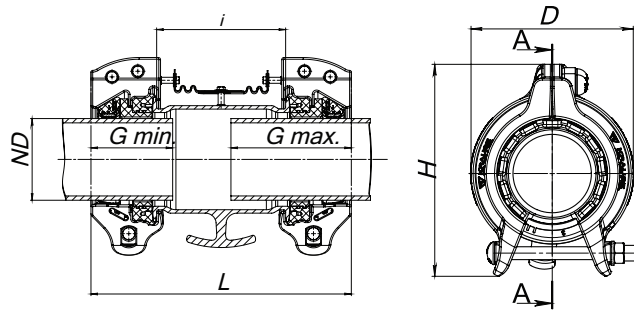
Part Number 889-XX

56 - Standard Pressure Grip with EPDM gasket

57 - Standard Pressure Grip with NBR gasket

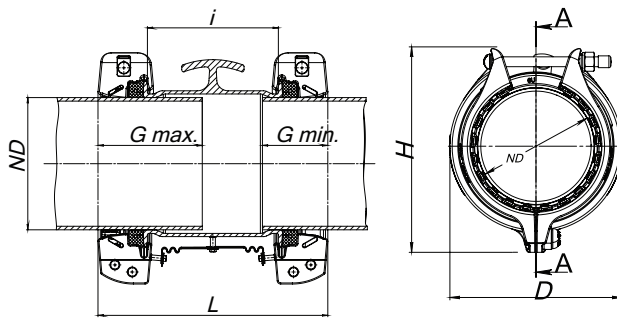
For example -

889-XX-015039-16 should be read as 889-56-015039-16 for EPDM gasket and 889-57-015039-16 for NBR gasket.



HYMAX GRIP CATHODIC NOMINAL SIZE 1.5" - 3"

HYMAX Part Number	ND (inch)	Overall Range (inch)	Before Removal of Inner Layer (inch)	After Removal of Inner Layer (inch)	i (inch)	L (inch)	D (inch)	H (inch)	G - Max Stab Depth (inch)	Bolts Qty. - Size	Approx. Weight (lbs)
889-XX-015039-16	1.5/2	1.54 - 2.64	1.54 - 2.20	2.17 - 2.64	3.93	10	5.35	7.48	4.5	2 - M14	15.45
889-XX-025059-16	2.5	2.32 - 3.43	2.32 - 2.99	2.95 - 3.43	3.93	10	6.18	8.07	4.5	2 - M14	20.26
889-XX-030080-16	3	3.15 - 4.17	3.15 - 3.74	3.70 - 4.17	5.9	11.93	6.93	9.06	5.5	2 - M14	25.53



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HYMAX Part Number	ND (inch)	Overall Range (inch)	i (inch)	L (inch)	D (inch)	H (inch)	G - Max Stab Depth (inch)	Bolts Qty. - Size	Approx. Weight (lbs)
889-XX-04111-16	4	4.40 - 5.10	5.9	11.4	8.7	10.6	5.3	2 - 5/8	32
889-XX-06165-16	6	6.50 - 7.20	7.3	12.8	10.9	12.9	5.9	2 - 5/8	43
889-XX-08216-16	8	8.50 - 9.40	7.3	13.3	13.8	15.7	6.1	2 - 3/4	74
889-XX-10270-16	10	10.65 - 11.55	7.3	13.5	16.2	18.2	6.3	2 - 3/4	92
889-XX-12322-16	12	12.68 - 13.39	7.3	13.5	17.4	19.8	6.3	2 - 3/4	100

To learn more, visit [HymaxUSA.com](https://www.hymaxusa.com).

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