

HYMAX[®]

a **MUELLER** brand

HYMAX[®] 2 LONG BODY (1.5" - 12") Product Specifications

FEATURES

- Advanced wide-range coupling with a patented flip gasket.
- Eliminates gasket removal mistakes and maximizes installer work efficiency.
- Game-changing wide-range coupling, proven in over 1M installations in the US.
- Suitable for many types of pipe.
- Patented hydraulically-assisted gasket with 2-stage sealing.
- Long body for extra size flexibility.
- Lightweight construction enables fast and easy installation.
- Allows 4° dynamic deflection on each end, reducing future pipe damage.
- One product can connect pipes of two different materials.
- Lifting T-handle only on sizes 3"-12".

SPECIFICATIONS STANDARDS

- HYMAX Long Body meets or exceeds requirements of standards: AWWA C219, NSF 61, NSF 372.

SIZE

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

MATERIALS

END RINGS

- ASTM A283/A283M Grade C steel.



JOIN



REPAIR



RESTRAIN



TAP



CENTER RING

- ASTM A53 Grade A steel.

GASKETS

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

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.

BOLTS, NUTS & WASHERS

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

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PRODUCT PERFORMANCE*

WORKING TEMPERATURE

- 20°F up to +125°F

DYNAMIC DEFLECTION

- Up to 4° per side

MIN. PIPE INSERTION

- 2.25"

MAXIMUM OFFSET FOR MISALIGNED PIPES

- ND 1.5" - ND 3": 0.39"
- ND 4" - ND 12": 0.51"

MAXIMUM OUT OF ROUNDNESS

- ND 1.5": 0.08"
- ND 2" - ND 3": 0.20"
- ND 4" - 12": 0.31"

WORKING PRESSURE

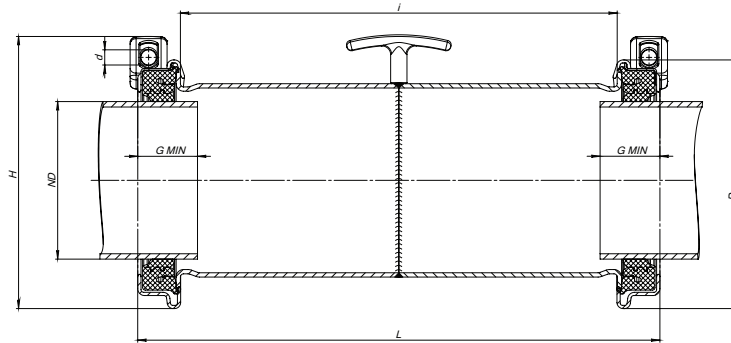
- 260 psi

VACUUM TEST

- 12 psi

* See submittal drawings for details.

PRODUCT TABLES



HYMAX®2 LONG BODY SIZES 1.5" - 12"

HYMAX Part Number	ND (inch)	Overall Range (inch)	Range in Closed Gasket Position (inch)	Range in Open Gasket Position (inch)	Bolt Num and Size (mm)	Torque (ft-lbs)	Approx. Weight (lbs)	Length (inch)
862-54-0041-16	1.5	1.61 - 2.13	1.61 - 1.97	1.96 - 2.13	2 - M12	35	7	10
862-54-0054-16	2	2.10 - 3.03	2.10 - 2.60	2.56 - 3.03	2 - M12	50	8	10.6
862-54-0088-16	3	3.46 - 4.33	3.46 - 3.90	3.86 - 4.33	2 - M12	50	14	14.6
862-54-0108-16	4	4.25 - 5.63	4.25 - 5.00	4.92 - 5.63	2 - M14	75	21	14.5
862-54-0130-16	5	5.12 - 6.38	5.12 - 5.75	5.71 - 6.38	2 - M14	75	28	18.7
862-54-0163-16	6	6.42 - 7.68	6.42 - 7.05	7.01 - 7.68	2 - M14	75	32	18.7
862-54-0190-16	7	7.48 - 8.74	7.48 - 8.11	8.07 - 8.74	2 - M14	75	36	18.7
862-54-0217-16	8	8.54 - 9.84	8.54 - 9.17	9.13 - 9.84	2 - M14	75	42	18.7
862-54-0272-16	10	10.70 - 12.00	10.70 - 11.37	11.33 - 12.00	2 - M14	75	50	18.7
862-54-0278-16	10	10.96 - 12.26	10.96 - 11.63	11.59 - 12.26	2 - M14	75	53	18.7
862-54-0315-16	12	12.40 - 13.66	12.40 - 13.03	12.99 - 13.66	2 - M14	80	54	18.7
862-54-0334-16	12	13.15 - 14.41	13.15 - 13.78	13.74 - 14.41	2 - M14	80	56	18.7

To learn more, visit HymaxUSA.com.

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