

# HYMAX<sup>®</sup>

a **MUELLER** brand

## HYMAX<sup>®</sup> REDUCER (14" - 60")

### Product Specifications

#### FEATURES

- Using the game-changing HYMAX technology, proven in over 1M installations in the US
- Suitable for all types of pipes - ductile iron, cast iron, steel, copper, PE, PVC, AC, GRP
- Joins pipes of different sizes
- Patented hydraulically-assisted gasket with 2-stage sealing
- 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

#### SPECIFICATIONS STANDARDS

- HYMAX REDUCER meets or exceeds standards NSF 61, NSF 372.

#### SIZE

- Available in nominal diameter from 14" - 24" standard.
- ND 26" - ND 60" MTO (made to order) call HYMAX for details.

#### MATERIALS

##### END RINGS

- ND 14" - ND 24" - Ductile Iron Casting ASTM A536 grade 65-45-12 (or ASTM A 283 / A 283M Grade C Steel).
- ND 24" - ND 60" - ASTM A 283 / A 283M Grade C Steel.

##### CENTER RINGS

- ND 14" - ND 60" ASTM A283 / A 283M grade C steel.



#### GASKETS

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

#### BRIDGE

- AISI 304 stainless steel. ASTM A240.

#### SPHERICAL SPACERS

- Stainless steel ASTM A351 CF8, (equivalent to AISI 304).

#### COATING

- 100% fusion bonded epoxy for enhanced corrosion protection.
- Nominal thickness 14 mm.

#### BOLTS, NUTS AND WASHERS

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



JOIN



REPAIR



RESTRAIN



TAP

**MUELLER**

# PRODUCT PERFORMANCE(\*)

## WORKING TEMPERATURE

- EPDM: -20°F up to +125°F

## DYNAMIC DEFLECTION

- ND 4" - ND 48" > ND 48"  
Up to 4° per side Up to 3° per side

## MAXIMUM OFFSET FOR MISALIGNED PIPES

- ND 14" - ND 60": 0.51"

\*\* See submittal drawings for details.

## MAXIMUM OUT OF ROUNDNESS

- ND 14" - ND 60": 0.51"

## WORKING PRESSURE

- ND 14" - ND 16" 260 PSI
- ND 18" - ND 24" 232 PSI
- ND 26" - ND 60" CALL HYMAX FOR DETAILS

## RATED PRESSURE

- ND 14" - ND 16" 390 PSI
- ND 18" - ND 24" 350 PSI
- ND 26" - ND 60" CALL HYMAX FOR DETAILS

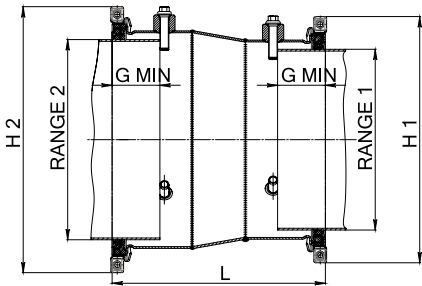
## VACUUM TEST

- 12 PSI

# PRODUCT TABLES

## ND 14" - ND 24" EPDM

ND (inch)	Torque Side 1 (Ft- Lb)	Torque Side 2 (Ft- Lb)
14X16	150	150
16X18	150	150
18X20	150	150
20X24	150	150



## HYMAX REDUCER NOMINAL SIZE 14" - 24"

HYMAX Part Number	Nominal Diameter (inch)	Overall Range 1 (inch)	Before Removal of the Inner Layer 1 (inch)	After Removal of the Inner Layer 1 (inch)	Overall Range 2 (inch)	Before Removal of the Inner Layer 2 (inch)	After Removal of the Inner Layer 2 (inch)	H1 (inch)	H2 (inch)	L (inch)	Bolts Qty. - Size	Approx. Weight (lbs)
861-56-0378-043416	14 x 16	15.00-17.10	15.00-16.10	16.02-17.10	17.10-19.20	17.10-18.19	18.11-19.20	23.2	25.6	23.8	4 -M16	142
861-56-0434-048816	16 x 18	17.10-19.20	17.10-18.19	18.11-19.20	19.20-21.30	19.20-20.29	20.21-21.30	25.6	27.8	23.8	4 -M16	162
861-56-0488-054016	18 x 20	19.20-21.30	19.20-20.29	20.21-21.30	21.25-23.35	21.25-22.35	22.27-23.35	27.8	29.8	23.8	4 -M16	172
861-56-0540-060616	20 x 24	21.25-23.35	21.25-22.35	22.27-23.35	23.85-25.95	23.85-24.96	24.88-25.95	29.8	31.7	23.8	4 -M16	180
861-56-0540-062416	20 x 24	21.25-23.35	21.25-22.35	22.27-23.35	24.60-26.70	24.60-25.67	25.59-26.70	29.8	33.2	23.8	4 -M16	182

HYMAX REDUCER ND 26" - ND 60" - MTO (made to order) is available

For specific sizes of products in stock, call HYMAX for details.

To learn more, visit [HymaxUSA.com](http://HymaxUSA.com).

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