

HYMAX[®]

a **MUELLER** brand

HYMAX GRIP[®] MJ CUT-IN SLEEVE* (3" - 12") Product Specifications

FEATURES

- The first one-piece transition coupling that can connect to a mechanical joint while restraining the connecting plain pipe - saving time on cutting and installing extra pipe
- Wide range - replaces the need to use dedicated-sized transition couplings to help reduce inventory costs and save shelf-space
- Lightweight, only 1 bolt to tighten - for faster and safer installation
- 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°, reducing future pipe cracks and breaks

SPECIFICATIONS STANDARDS

- HYMAX GRIP cut-in sleeve meets or exceeds standards AWWA C-219, NSF 61, NSF 372.

SIZE

- Available in nominal diameter 3" - 12"

MATERIALS

END RINGS

- 3" - cast steel ASTM A216 WCB
- 4" - 12" ductile iron casting ASTM A536 Grade 65-45-12.

CENTER RING

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

- MJ adaptor compatible with ANSI/AWWA C111/A21.11-12.

GASKETS

- EPDM compounded for water and sewage, meets international standards for contact with drinking water.

GRIP CHAIN

- 3": Fe4Ni05Mo
- 4" - 12": AISI 420

BRIDGE

- AISI 304 stainless steel.

SPHERICAL SPACERS

- AISI 304 stainless steel.

COATING

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

NUTS, BOLTS & WASHERS

- AISI 304 stainless steel. Rolled thread and anti-galling coating.

* Registered patent

** See submittal drawings for details.



JOIN



REPAIR



RESTRAIN



TAP

MUELLER

PRODUCT PERFORMANCE(**)

WORKING TEMPERATURE

- EPDM: -20° F up to +125° F

DYNAMIC DEFLECTION

- Up to 4°

MIN. PIPE INSERTION

- 3.6"

MAXIMUM OFFSET FOR MISALIGNED PIPES

- 0.12"

MAXIMUM OUT OF ROUNDNESS

- 0.16"

VACUUM TEST

- 12 psi

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.



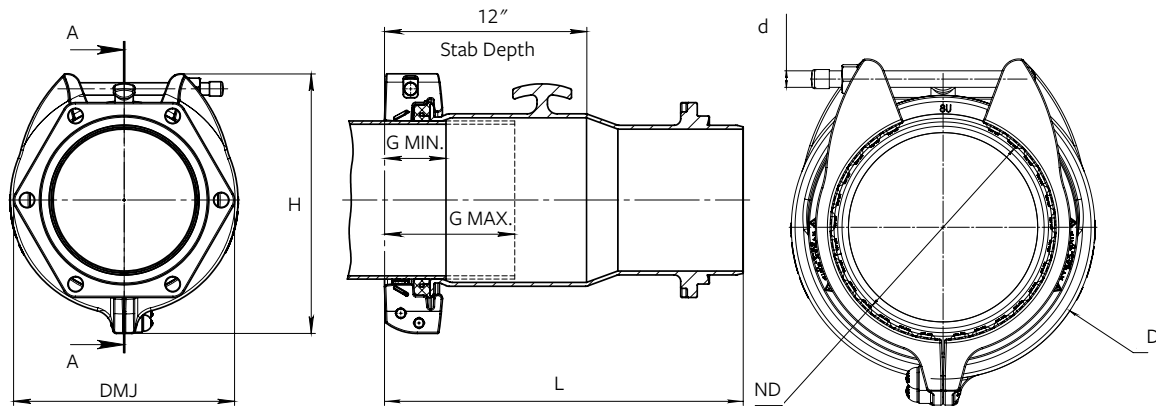
*HDPE PIPE IPS+DIS

ND (inch)	Working Pressure (psi)	Max ΔT for SDR9 (°F)
3	232	85
4	232	85
6	232	85
8	193	50
10	163	50
12	155	35

* Registered patent

** See submittal drawings for details.

PRODUCT TABLE



HYMAX Part Number	Nominal Diameter (inch)	Overall Range (inch)	Before Removal of the Inner Layer (inch)	After Removal of the Inner Layer (inch)	DMJ (inch)	L (inch)	D (inch)	H (inch)	G-MAX (inch)	Bolt Qty. and Size	Torque (ft-lbs)	Approx. Weight (lbs)
791-56-03080-16	3	3.15 - 4.17	3.15 - 3.74	3.70 - 4.17	7.61	21.65	6.93	9.06	5.7	1 - M14	50	29.17
791-56-04111-16	4	4.40 - 5.10	X	X	9.22	21.65	8.7	10.6	7.5	1 - 5/8"	90	39.1
791-56-06165-16	6	6.50 - 7.20	X	X	11.12	21.65	10.9	12.9	8.2	1 - 5/8"	110	54.5
791-56-08216-16	8	8.50 - 9.40	X	X	13.36	21.65	13.8	15.7	6.2	1 - 3/4"	200	79.3
791-56-10270-16	10	10.65 - 11.55	X	X	15.61	21.65	16.2	18.2	6.3	1 - 3/4"	200	99.74
791-56-12322-16	12	12.68 - 13.39	X	X	17.88	21.65	17.4	19.8	7.5	1 - 3/4"	200	114.57

To learn more, visit HymaxUSA.com.

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F 14518 PS0106 8/21

