

HYMAX[®]

a **MUELLER** brand

HYMAX[®] PRO DEDICATED SIZE COUPLING Product Specifications (4" - 24")

TYPICAL APPLICATIONS

- Joining & replacing plain-end pipes with the same outside diameters

AVAILABLE SIZES

- 4" through 24" nominal
- IPS and DIPS

PIPE TYPES

- Ductile Iron, Cast Iron, Steel, PVC, AC, and HDPE (Insert Stiffener Required)

LISTINGS/STANDARDS

- Certified to NSF/ANSI 61 and NSF/ANSI 372
- Meets applicable portions of AWWA C219
- Fusion-Bonded Epoxy Coating meets requirements of AWWA C213

MATERIALS

- Fusion Bonded Epoxy Coating
- Steel End Rings: Carbon Steel ASTM A283M Grade C
- Center Sleeve: Carbon Steel per ASTM A53 up to 12", QstE380TM 14" - 24"

GASKET

- EPDM per ASTM D2000
- Working Temperature range: -20°F to +180°F

BRIDGE

- AISI 304 Stainless Steel

HARDWARE

- Bolts: AISI 304 Stainless Steel ASTM F593
- Nuts: AISI 304 Stainless Steel ASTM F594
- Coating: Fe/Zn coated per ASTM A1059/A 1059M
- Spherical spacers: ASTM A351-CF8M (equivalent to AISI 304)
- All nuts and bolts shall be Standard American design, ANSI or ASME standard family B18

WORKING TEMPERATURE

- -20° F up to +125° F

DYNAMIC DEFLECTION

- Up to 4 degrees per side

WORKING PRESSURE

- 300 PSI up to 14"
- 250 PSI 16" to 24"



JOIN



REPAIR



RESTRAIN



TAP

MUELLER

HYMAX PRO NOMINAL SIZES (4" - 24")

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Hymax Pro Part Number	ND (inch)	Product Range (inch)	Bolts Qty. - Size (inch)	Torque (ft - lbs)	Approx. Weight (lbs)	Length (inch)	Working Pressure (PSI)	Test Pressure (PSI)
771-56-02-04-21	4" DIPS	4.71 - 4.88	2 - 1/16"	45	10.7	7.3	300	450
771-56-02-06-21	6" DIPS	6.81 - 6.97	2 - 1/16"	45	13.7	7.3	300	450
771-56-02-08-21	8" DIPS	8.98 - 9.14	2 - 1/16"	60	17.7	8.2	300	450
771-56-02-10-21	10" DIPS	11.02 - 11.18	2 - 1/16"	60	20.8	8.2	300	450
771-56-01-04-21	4" IPS	4.41 - 4.57	2 - 1/16"	45	10.2	7.3	300	450
771-56-01-06-21	6" IPS	6.54 - 6.70	2 - 1/16"	45	13.2	7.3	300	450
771-56-01-08-21	8" IPS	8.58 - 8.70	2 - 1/16"	60	17.2	8.2	300	450
771-56-01-10-21	10" IPS	10.71 - 10.83	2 - 1/16"	60	20.3	8.2	300	450

Hymax Pro Part Number	ND (inch)	Product Range (inch)	Bolts Qty. - Size (inch)	Torque (ft - lbs)		Approx. Weight (lbs)	Length (inch)	Working Pressure (PSI)	Test Pressure (PSI)
				DI	HDPE/PVC				
771-56-02-12-21	12" DIPS	13.11 - 13.27	4 - 1/16"	60	60	29.3	8.3	300	450
771-56-02-14-21	14" DIPS	15.20 - 15.40	4 - 5/8"	75	75	42.8	10.5	300	450
771-56-02-16-17	16" DIPS	17.30 - 17.50	4 - 5/8"	75	75	52.4	10.5	250	375
771-56-02-18-17	18" DIPS	19.40 - 19.60	4 - 5/8"	75	75	56.8	10.5	250	375
771-56-02-20-17	20" DIPS	21.50 - 21.70	4 - 5/8"	110*	75	61.7	10.5	250	375
771-56-02-24-17	24" DIPS	25.72 - 25.98	4 - 5/8"	145*	95	71.2	10.5	250	375

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				Steel	HDPE/PVC				
771-56-01-12-21	12" IPS	12.68 - 12.84	4 - 1/16"	60	60	28.3	8.3	300	450
771-56-01-14-21	14" IPS	13.94 - 14.14	4 - 5/8"	75	75	42	10.5	300	450
771-56-01-16-17	16" IPS	15.90 - 16.10	4 - 5/8"	75	75	49.2	10.5	250	375
771-56-01-18-17	18" IPS	17.90 - 18.10	4 - 5/8"	75	75	53.7	10.5	250	375
771-56-01-20-17	20" IPS	19.90 - 20.10	4 - 5/8"	75	75	58.1	10.5	250	375
771-56-01-24-17	24" IPS	23.89 - 24.11	4 - 5/8"	95	95	67	10.5	250	375

*For 20" Ductile Iron Pipe, the maximum allowable torque is 150 ft-lbs

**For 24" Ductile Iron Pipe, the maximum allowable torque is 160 ft-lbs

To learn more, visit HymaxUSA.com.

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