



HDPE MJ P° #M6

HDPE MJ Packs are assembled to facilitate the installation of MJ HDPE fused on adapters (not included). They use standard SIP glands with extended T-Bolts to accommodate the adapter and MJ gasket.

Gland Specifications

Material	:	Ductile Iron per ASTM A536, Grade 65-45-12
Pressure	:	350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes and 150 PSI rating for 54" - 64" sizes
Testing	:	In accordance with ANSI/AWWA C111/A21.11
Dimensions	:	In accordance with ANSI/AWWA C111/A21.11, C153/A21.53 and are in inches unless otherwise noted
Weights	:	Are in pounds, unless otherwise noted and do not include accessories
Approvals	:	NSF - 61 & 372 for coating(s) Standard Glands sizes 3"-24" FM Approved

Gasket Specifications

Material : Standard gasket material is Vulcanized Styrene Butadiene Rubber (SBR). Special application elastomers (EPDM, Nitrile, Neoprene, FKM) are available upon request.

Standards : ANSI/AWWA C111/A21.11

Mechanical Properties	:	<u>ASTM Test Method</u>		<u>Required Value*</u>
		Hardness, Shore "A"	: D2240-86	75 (±5)
		Minimum Tensile	: D412-87	1500 psi (10MPa)
		Minimum Elongation	: D412-87	150 %
		Minimum Aging	: D572-88	60 %
		Maximum Compression Set	: D395-89, Method B	20 %
		Resistance to surface Ozone	: D1149-86	No cracking

**Required Values are for the standard SBR Elastomer.*

T-Bolt Specifications

Material : ASTM A242 High Strength Low Alloy Steel. Also available in ANSI 304 or 316 AIS Stainless Steel

Standards : ANSI/AWWA C111/A21.11

Chemical Properties†	:	Carbon	:	0.20 Max	Nickel	:	0.25 Min
		Manganese	:	1.25 Max	Copper	:	0.20 Min
		Sulfur	:	0.05 Max	Combined	:	1.25 Min (Ni, Cu, Cr)

Mechanical Properties†	:	Yield Strength	:	45,000 PSI (Min)
		Elongation in 2"	:	20%
		Proof Load 5/8"	:	9,000 Lb-F
		Proof Load 3/4"	:	13,500 Lb-F
		Proof Load 1"	:	25,000 Lb-F
		Proof Load 1 1/4"	:	40,000 Lb-F

† For Standard ASTM A242 HSLA

Coating : Standard bolts and nuts are not coated. Stainless Steel 304 nuts are coated Blue & Stainless Steel 316 nuts are coated Green to prevent galling. Flouropolymer coating (Blue) is available on request for Low Alloy Steel Bolts and Nuts.

Blue Coating Properties	:	Film Thickness	:	0.3 to 0.4 mil per coat
		Number of Coats	:	3 to 4 coats
		Adhesion	:	1 mm cross hatch test, 5+ Pulls. Good knife resistance
		Cure Test	:	50+ Rubs with MEK. No Substrate exposure
		Pencil Hardness	:	4-6H
		Volatile Organic Compounds	:	2.74 Lbs/gal

MJ Accessory Pack - (Gland, Gasket, and Bolts) for IPS or DIPS

Size	Type	Bolt Size	Number of Bolts
2	C153	5/8 x 5	2
3	C153	5/8 x 4 1/2	4
4	C153	3/4 x 4 1/2	4
6	C153	3/4 x 5	6
8	C153	3/4 x 7	6
10	C153	3/4 x 7	8
12	C153	3/4 x 7	8
14	C153	3/4 x 7	10
16	C153	3/4 x 7	12
18	C153	3/4 x 7	12
20	C153	3/4 x 7	14
24	C153	3/4 x 7	16