



## 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

<b>Mechanical Properties</b>	:		ASTM Test Method	Required Value*
	:	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

<b>Chemical Properties†</b>	:	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)

<b>Mechanical Properties†</b>	:	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. Fluoropolymer coating (Blue) is available on request for Low Alloy Steel Bolts and Nuts.

<b>Blue Coating Properties</b>	:	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