

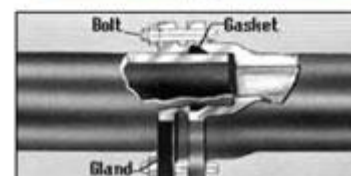


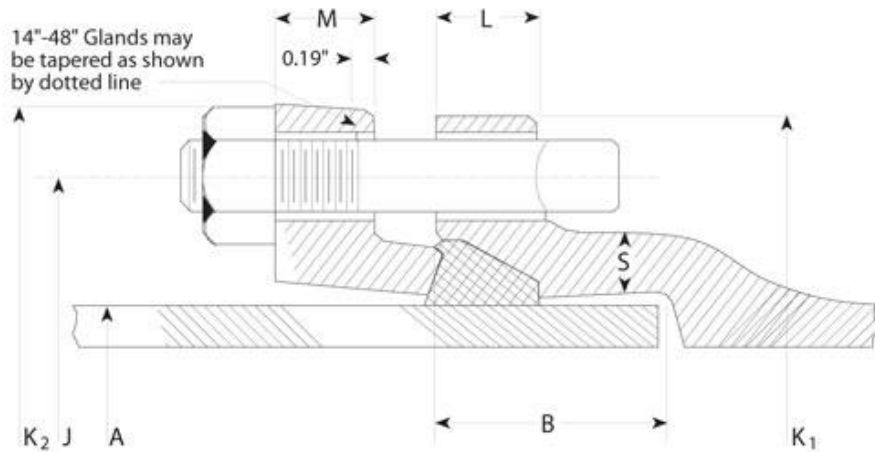
## MJ Gasket Specifications

MJ Gasket Packs are manufactured and packaged in standard poly bags and materials all comply with regional specifications. ([MJ Gasket Specifications](#))

[T-Bolts](#) are available in: [304 Stainless Steel](#), [COR-Blue](#) and [ASTM242 Alloy](#).

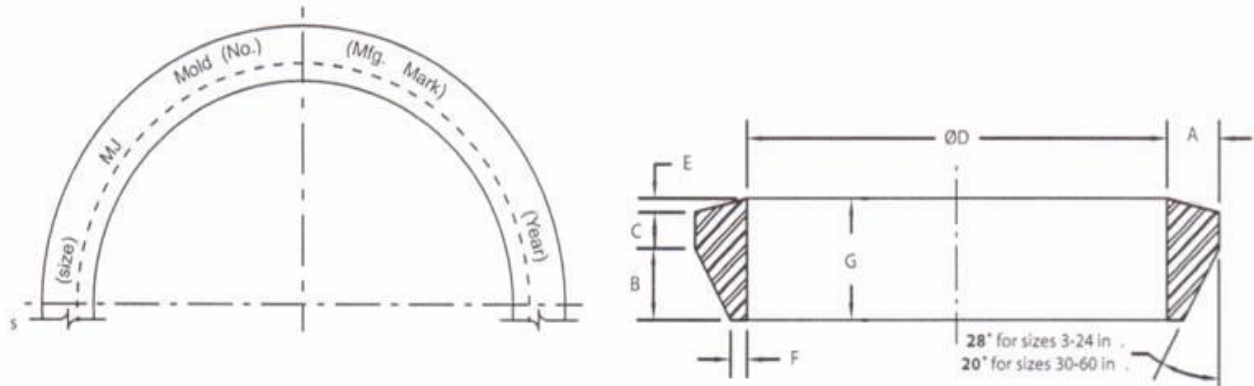
- Pique Supply Corp. Mechanical Joint (MJ) Gasket dimensions conform to the drawings set forth in ANSI/AWWA C111/A21.11.
- Gasket markings include size, Country of origin and product identification. No markings are positioned on sealing surfaces per the ANSI/AWWA C111/A21.11 standard. MJ transition gaskets follow the requirements of ANSI/AWWA C111/ A21.11 where applicable.
- Standard gasket material is vulcanized styrene butadiene rubber (SBR). Special application elastomers (EPDM, Nitrile, Neoprene) are available and shall be identified on all documentation and corresponding gaskets.
- Pique Supply Corp. gasket providers are recognized under the component program (UL 194/ UL 157) of Underwriters Laboratories, Inc.
- Pique Supply Corp. provides that our Mechanical Joint gaskets for potable or wastewater projects will perform as designed, based on the published chemical and environmental resistance data for "generic" rubber compounds. Pique Supply Corp. should be consulted for specific recommendations or for unusual applications.





Size	Dimensions in Inches									Bolts	
	A plain end	B	J	K1	K2	L		M	S	No. per Joint	Size in.
4	4.80	2.50	7.50	9.38	9.12	1.00	0.60	0.75	0.65	4	0.75 X 3.5
6	6.90	2.50	9.50	11.31	11.12	1.06	0.63	0.88	0.70	6	0.75 X 3.5
8	9.05	2.50	11.75	13.63	13.37	1.12	0.66	1.00	0.75	6	0.75 X 4
10	11.10	2.50	14.00	15.81	15.62	1.19	0.70	1.00	0.80	8	0.75 X 4
12	13.20	2.50	16.25	18.06	18.00	1.25	0.73	1.00	0.85	8	0.75 X 4
14	15.30	3.50	18.75	20.69	20.25	1.31	0.79	1.25	0.89	10	0.75 X 4.5
16	17.40	3.50	21.00	22.94	22.50	1.38	0.85	1.31	0.97	12	0.75 X 4.5
18	19.50	3.50	23.25	25.28	24.75	1.44	1.0	1.38	1.05	12	0.75 X 4.5
20	21.60	3.50	25.50	27.08	27.00	1.50	1.02	1.44	1.12	14	0.75 X 4.5
24	25.80	3.50	30.00	31.75	31.50	1.62	1.02	1.56	1.22	16	0.75 X 5
30	32.00	4.00	36.88	39.12	39.12	1.81	-	2.00	1.50	20	1 X6
36	38.30	4.00	43.75	46.00	46.00	2.00	-	2.00	1.80	24	1 X6
42	44.50	4.00	50.62	53.12	53.12	2.00	-	2.00	1.95	28	1.25 X 6.5
48	50.80	4.00	57.50	60.00	60.00	2.00	-	2.00	2.20	32	1.25 X 6.5
Gasket type		Max Temp Exposure	Max Continous Temp.	Usage Detail							
SBR (styrene Butadiene Rubber/Buna S)		180 F/ 82.22C	160F/71.11C	Salt Water, Drinking Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water							
EDPM (Ethylene Propylene)		300F/148.89C	250F/121.11C	Alcohols, Dilute Alkalis, Dilute Acids, MEK Acetone, Oxidizing chemicals, and as above.							
Nirile (NBR/Buna-N)		180 F/ 82.22C	160F/71.11C	Hydrocarbons, Unrefined Peroleum, Salt water, sanitary sewage, Greasy Waste, Raw Water, Reclaimed Water, Storm Water							
Neoprene (Polychlorprene/CR)		300F/148.89C	225F/107.22C	Hydrocarbons, Unrefined Peroleum, Sanitary Sewage, Salt Water, Greasy Waste, Raw Water, Reclaimed Water, Storm Water							
FKM (Flouroelastomer/Viton)		500F/260C	400F/204.44C	Aromatic Hydrocarbons, Chlorinated Hydrocarbons, Vegitable Oil, Most Chemicals, Drinking Water, Reclaimed Water, Raw Water, Storm Water							

Gasket Properties		
Property	ASTM Test Method	PO Requirement
Hardness, Shore "A"	D2240	75 ± 5
Minimum Tensile	D412	1500 psi
Minimum elongation	D412	150%
Minimum Aging	D572	60%
Max Compression Set	D395, Method B	20%
Resistance to Ozone Cracking	D1149	No Cracking



Mechanical Joint Gasket								
Nom. Size	PIPE O.D	A	B	C	OD ± 1%	E	F	G
2	2.50	0.48	0.62	0.31	2.48	0.12	0.15	1.05
3	3.96	0.48	0.62	0.31	3.86	0.12	0.15	1.05
4	4.80	0.62	0.75	0.31	4.68	0.16	0.22	1.22
6	6.90	0.62	0.75	0.31	6.73	0.16	0.22	1.22
8	9.05	0.62	0.75	0.31	8.85	0.16	0.22	1.22
10	11.10	0.62	0.75	0.31	10.87	0.16	0.22	1.22
12	13.20	0.62	0.75	0.31	12.95	0.16	0.22	1.22
14	15.30	0.62	0.75	0.31	14.99	0.16	0.22	1.22
16	17.40	0.62	0.75	0.31	17.07	0.16	0.22	1.22
18	19.50	0.62	0.75	0.31	19.13	0.16	0.22	1.22
20	21.60	0.62	0.75	0.31	21.10	0.16	0.22	1.22
24	25.80	0.62	0.75	0.31	25.34	0.16	0.22	1.22
30	32.00	0.73	1.00	0.38	31.47	0.16	0.37	1.54
36	38.30	0.73	1.00	0.38	37.67	0.16	0.37	1.54
42	44.50	0.73	1.00	0.38	43.78	0.16	0.37	1.54
48	50.80	0.73	1.00	0.38	49.98	0.16	0.37	1.54

## T-Bolts & Nut Specifications

T-Bolts/ [MJ Gasket Packs](#) are manufactured and packaged in standard poly bags and materials all comply with regional specifications see our [MJ-Gasket Accessory Packs Brochure](#) for more details.

T-Bolts are available in: [304 Stainless Steel](#), [COR-Blue](#) and [ASTM242 Alloy](#).

## T-Bolts

### Specifications:

- Nuts and Bolts are manufactured to meet or exceed ANSI/AWWA C111/A21.11
- Threads are ASME B1.1 unified standard coarse thread Class 2A & 2B
- Material is high strength Low Alloy Steel per ANSI C111/A21.11

Properties		
Mechanical	Chemical	
Yield Strength 45000 psi Min	Carbon	0.20% Max
Elongation in 2in. 20% Min	Manganese	1.25% Max
	Sulfur	0.05% Max
	Nickel	0.25% Min
	Copper	0.20% Min
	Combined (Ni, Cu, Cr)	1.25% Min

### Optional Coatings:

T-Bolts and Nuts have a fluropolymer coating, which is resin bonded, thermally cured and dry lubricant. These are fully VOC compliant.

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

### Specifications:

- T-bolt dimensions are manufactured in accordance with ANSI/AWWA C111/A21.11
- T-bolts alloys are SS304 or SS316 per ASTM F593
- Heavy Hex Nut Alloy SS304 or SS316 per ASTM F594

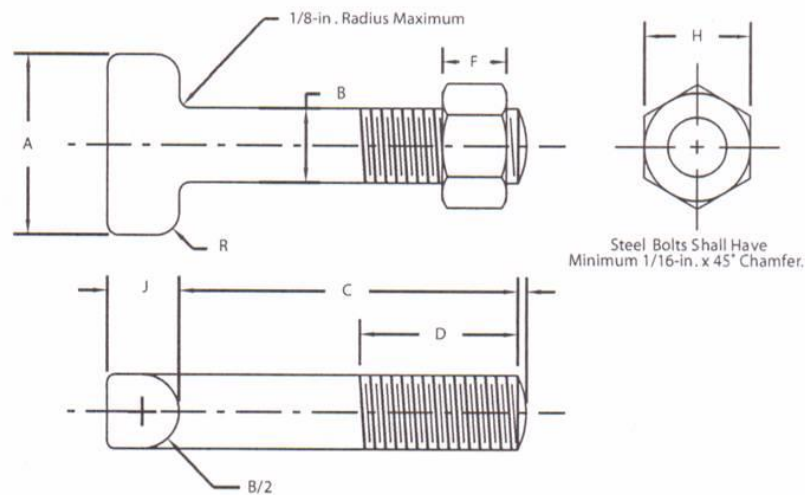
### Mechanical Properties:

- Tensile Strength 85,000 PSI to 140,000 PSI
- Yield Strength: 45,000 PSI (min)

### Coating Specification:

- Nuts have a fluropolymer coating material which is VOC compliant, resin bonded, thermally cured and dry lubricant.
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Coating Physical Properties	
Film Thickness	0.3 to 0.4 mil per coat
Number of Coats	3 to 4 coats
Adhesion	1mm cross hatch test +5 tape pulls.
Cure Test	50+ Rubs with MEK. No substrate exposure
Pencil Hardness	Pencil Harness 4-6H
Volatile Organic Compounds	2.74lbs/gal
Continuous Use Temp.	356F/180C
Colour	SS304 is Blue SS 316 is red



T-Head Bolt & Nut Dimensional Data									
NOM SIZE	A	B	C	D	Threads per IN	F	H	J	R
5/8 X 3	1.50	0.625	3.0	2.0	11	0.625	1.062	0.625	0.3120
5/8 X 3 1/2	1.50	0.625	3.5	2.7	11	0.625	1.062	0.625	0.3120
3/4 X 3 1/2	1.75	0.750	3.5	2.5	10	0.750	1.250	0.750	0.3750
3/4 X 4	1.75	0.750	4.0	3.0	10	0.750	1.250	0.750	0.3750
3/4 X 4 1/2	1.75	0.750	4.5	3.0	10	0.750	1.250	0.750	0.3750
3/4 X 5	1.75	0.750	5.0	3.0	10	0.750	1.250	0.750	0.3750
3/4 X 5 1/2	1.75	0.750	5.5	3.7	10	0.750	1.250	0.750	0.3750
1 X 6	2.25	1.000	6.0	3.0	8	1.000	1.625	1.000	0.5000
1 1/4 X 6 1/2	2.50	1.250	6.5	3.5	7	1.250	2.000	1.250	0.6250
1 1/4 X 8 1/2	2.50	1.250	8.5	3.5	7	1.250	2.000	1.250	0.6250

Note Please contact a Rahn Customer Sales Rep for availability



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