



MECHANICAL JOINT GASKETS FOR DUCTILE-IRON PRESSURE PIPE & FITTINGS

Submittal Information

Project Name / Location:	
Engineer:	
Referenced Specs:	
Distributor / Contractor:	

Optional Specifications

Gaskets:	Standard SBR (Buna-S) In Accordance With ANSI/AWWA C111/A21.11
	Other - Specify:

General Specifications

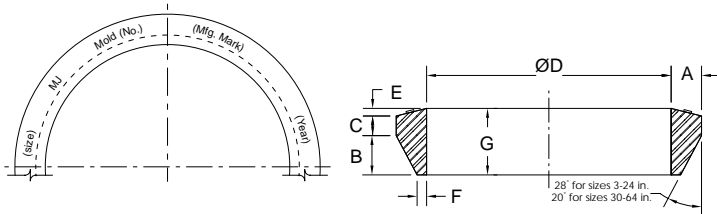
- Material** : Standard gasket material is Vulcanized Styrene Butadiene Rubber (SBR).
Special application elastomers (EPDM, Nitrile, Neoprene, FKM) are available upon request.
- Standards** : ANSI/AWWA C111/A21.11 & NSF/ANSI 61



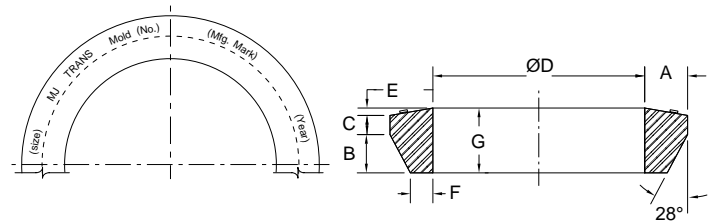
Gasket Types	Maximum Continuous Temp	Maximum Exposure Temp	Standard Usage
SBR (Styrene Butadiene Rubber/ Buna-S)	160°F	180°F	Drinking water, Salt Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water. Not Recommended for Hydrocarbon Service.
EPDM (Ethylene Propylene)	230°F	300°F	Alcohols, Dilute Acids, Dilute Alkalis, Ketones (MEK/Acetone), Strong Oxidizing Chemicals; Drinking Water, Salt Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water. Not Recommended for Hydrocarbon Service.
Neoprene (Polychloroprene / CR)	225°F	300°F	Hydrocarbons, Unrefined Petroleum Products, Greasy Waste; Salt Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water.
Nitrile (NBR / Buna-N)	160°F	180°F	Refined Oils and Fluids, Fats, Greases and Waste; Drinking Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water.
FKM (Fluoroelastomer / Viton®)	400°F	500°F	Aromatic Hydrocarbons, Chlorinated Hydrocarbons, Vegetable Oils, Most Chemicals; Drinking Water, Reclaimed Water, Raw Water, Storm Water.

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Mechanical-Joint Gasket



Mechanical-Joint Transition Gasket



Gasket markings include size, Manufacturer's mark, Country of origin and Product identification.
No markings are positioned on sealing surfaces per the ANSI/AWWA C111/A21.11 standard.

Mechanical-Joint Gasket Dimensions

Select Size	Size	Pipe OD	A	B	C	D	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	21.20	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
	54	57.56	0.73	1.00	0.38	56.65	0.16	0.37	1.54
	60	61.61	0.73	1.00	0.38	60.67	0.16	0.37	1.54
	64	65.67	0.73	1.00	0.38	64.70	0.16	0.37	1.54

Mechanical-Joint Transition Gasket Dimensions

Select Size	Size	Pipe OD	A	B	C	D	E	F	G
	2	2.38	0.57	0.62	0.31	2.28	0.16	0.24	1.08
	3	3.50	0.70	0.62	0.31	3.45	0.16	0.37	1.11
	4	4.50	0.77	0.75	0.31	4.43	0.16	0.37	1.26
	6	6.63	0.76	0.75	0.31	6.53	0.16	0.36	1.25
	8	8.63	0.82	0.75	0.31	8.50	0.16	0.42	1.27
	10	10.75	0.79	0.75	0.31	10.59	0.16	0.39	1.26
	12	12.75	0.84	0.75	0.31	12.56	0.16	0.44	1.28

Please refer to our web page www.sipindustries.com for up to date product data and technical advisories