

Zunt

Monolithic Insulating Metal Joints



Insulating joints for sectioning main pipelines for gas – water – oil.

Size Range: ½” to 100” and over.

Rating Class: From ANSI 150 to ANSI 2500 and over.

Electrical tests: in dry air at 25 °C

Dielectric Strength test

3000V at 50Hz. a.c. for 1 min.

Electrical resistance

Test ≥5 MΩ - 1000 V d.c.

Materials Used *Ferrous metals:* Carbon steel in its various grades. *Non Ferrous Materials:* (a) Stratified epoxy resin and glass fibre class G10-G11. (b) Sealing O- Rings

suitable to meet working temperature and fluid conveyed. (c) Filled epoxy resin. (d) Epoxy resin for internal/external coating (70µ DFT)

Operating temperature

-10 °C to + 70 °C for normal temperatures

-10 °C to + 160 °C for high temperatures, and on specific request up to 260 °C

Test pressure

1.5 times the design pressure

Max operating pressure

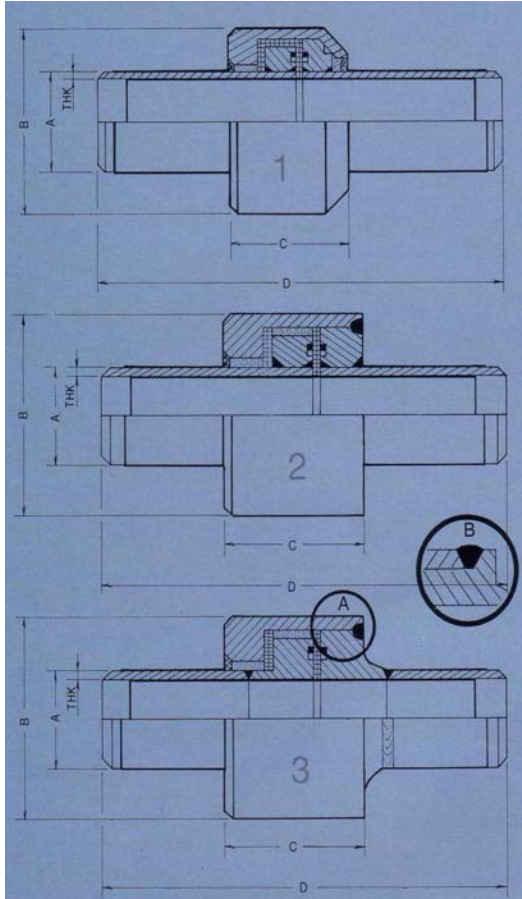
Equal to the normal pressure (PN/ANSI rating)

	NPS	ANSI 150						ANSI 300				ANSI 600								
		INCH	A	B	C	D	THK MIN.	Kg.	A	B	C	D	THK MIN.	Kg.	A	B	C	D	THK MIN.	Kg.
TYPE 1	½	21.3	60	44	300	2.77	0.9	21.3	60	60	300	2.77	1	21.3	60	60	300	2.77	1	
	¾	26.7	60	44	300	2.87	0.9	26.7	66	60	300	2.87	1.3	26.7	66	60	300	2.87	1.3	
	1	33.4	64	47	300	3.38	1.2	33.4	76	60	300	3.38	2	33.4	76	60	300	3.38	2	
	1 1/4	42.2	77	50	300	3.56	1.8	42.2	82	70	300	3.56	2.5	42.2	82	70	300	3.56	2.5	
	1 1/2	48.3	90	54	300	3.68	2.4	48.3	95	80	300	3.68	3.5	48.3	95	80	300	3.68	3.5	
	2	60.3	102	60	400	3.91	4.1	60.3	108	92	400	3.91	6	60.3	108	92	400	3.91	6	
	2 1/2	73.1	114	62	400	4.37	4.8	73.1	128	96	400	4.37	8.5	73.1	127	96	400	4.37	8.5	
	3	88.9	127	65	400	4.78	6.3	88.9	140	105	500	4.78	12	88.9	146	121	500	5.49	15	
	4	114.3	154	70	400	4.78	9.1	114.3	159	110	500	4.78	14	114.3	177	132	500	6.02	22	
	5	141.3	194	80	500	4.78	14.5	141.3	198	130	500	6.55	26	141.3	203	141	600	6.55	31	
TYPE 2	6	168.3	230	95	500	5.56	21	168.3	229	136	600	5.54	37	168.3	240	147	600	7.11	43	
	8	219.1	273	100	500	6.35	31	219.1	298	138	600	6.35	57	219.1	298	158	600	8.18	66	
	10	273.0	343	131	700	6.35	62	273.0	350	143	700	7.80	85	273.0	362	179	700	9.27	107	
	12	323.9	395	135	700	7.14	78	323.9	400	151	800	7.92	114	323.9	415	201	900	12.70	151	
	14	355.6	430	138	900	7.92	114	355.6	440	157	900	7.92	144	355.6	450	208	1000	12.70	214	
	16	406.4	483	143	900	7.92	133	406.4	490	162	1000	7.92	205	406.4	505	219	1000	12.70	231	
	18	457.2	535	158	1000	7.92	156	457.2	546	176	1000	9.52	224	457.2	568	244	1000	12.70	295	
	20	508.0	592	172	1000	7.92	205	508.0	604	193	1000	9.52	268	508.0	630	255	1000	12.70	370	
	TYPE 3	22	558.8	645	178	1000	7.92	248	558.8	655	198	1200	9.52	347	558.8	688	278	1200	14.27	480
		24	609.6	700	187	1000	9.52	292	609.6	720	204	1200	9.52	442	609.6	748	290	1200	15.88	585
26		660.4	750	200	1000	9.52	335	660.4	776	214	1200	12.70	522	660.4	813	306	1300	15.88	780	
28		711.2	810	208	1200	9.52	380	711.2	830	221	1200	12.70	611	711.2	868	331	1300	17.48	885	

Vic/Tas/SA 03 9993 7500	NSW 02 9663 2322	NZ 09 414 5080	QLD/NT 07 3890 8533	WA 08 9248 8999
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All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential users are urged to trial and /or conduct conformity test of the product to deem its suitable in application for a particular end use prior to purchase.

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Table

- Dimension in mm
- Alternative wall thickness can be manufactured on request
- For joints over 28" ND or joints over PN 100 (ANSI 600), dimensions, weights and technical features shall be supplied on receipt of detailed enquiry/ specification.
- Dimensions, weights, and other data are indicative only and may be changed at any moment without notice

The following inspections carried out, if required by the applicable codes and regulations

- Hydro –pneumatic test
- Helium test
- Thermal shock test
- Hydraulic fatigue test
- Immersion test (3% NaCl solution)
- NDE examinations
- Holiday and adhesion test on coating / lining

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