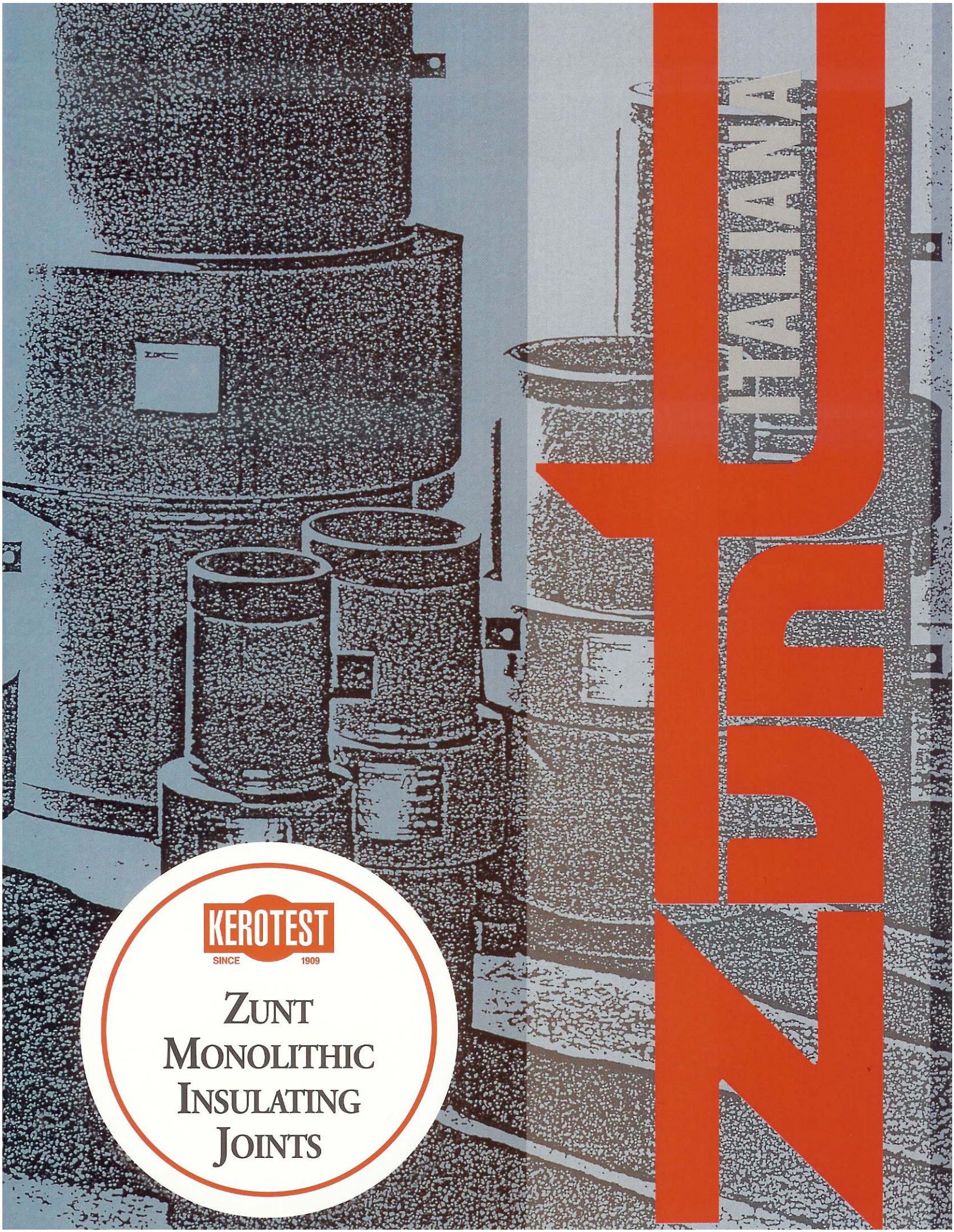
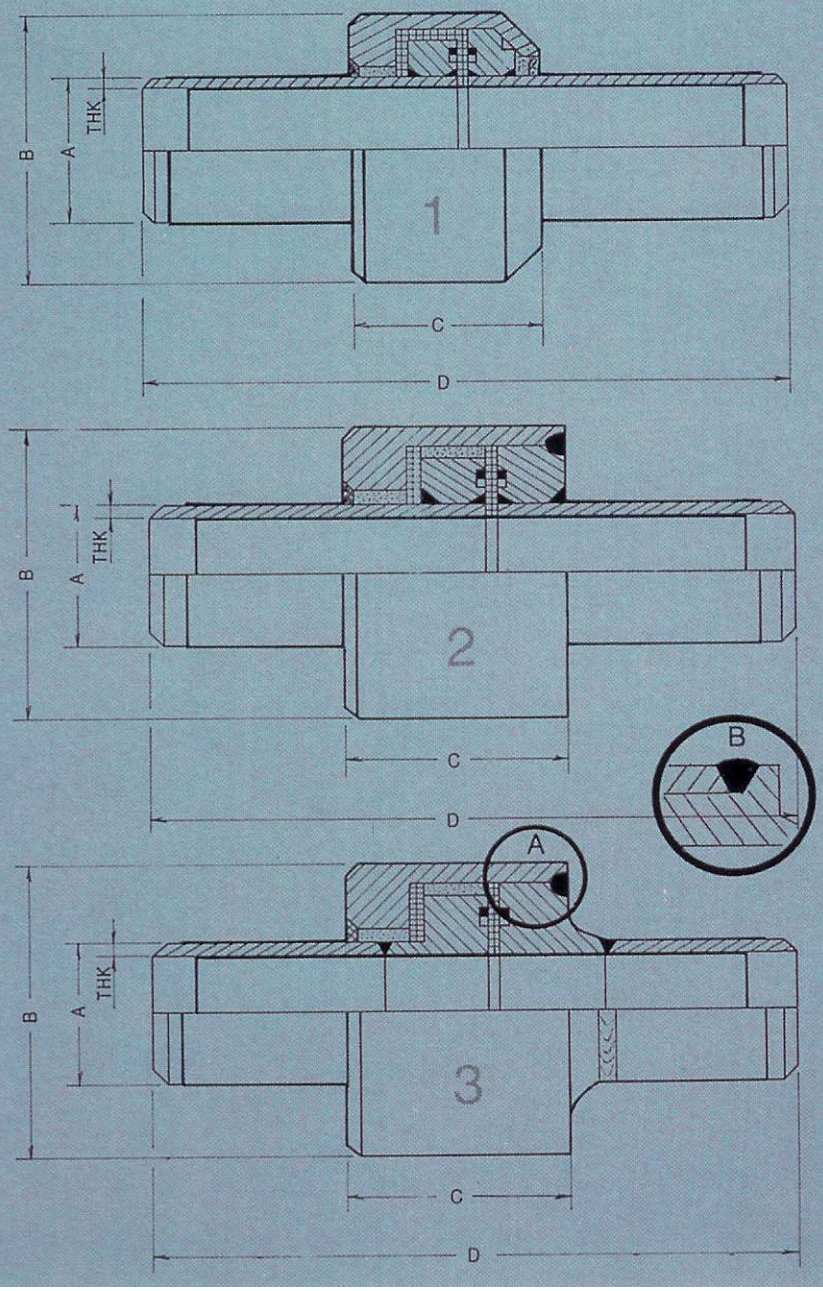


KEROTEST

SINCE 1909

ZUNT MONOLITHIC INSULATING JOINTS

INSULATING JOINTS FOR SECTIONING MAIN PIPELINES FOR GAS-WATER-OIL



SIZE RANGE:
from 1/2" to 100"

RATING CLASS:
from ANSI 150 to ANSI 2500

CHARACTERISTICS GUARANTEED FOR STANDARD JOINTS

- *MAX OPERATING PRESSURE*: Equal to the Nominal Pressure (PN/ANSI rating)
- *TEST PRESSURE*: 1.5 times the Design Pressure
- *OPERATING TEMPERATURE*: -20°F to +158°F for normal temperatures

  -20°F to +320°F for high temperatures

  (high temperature on specific request up to 500°F)

ELECTRICAL TESTS IN DRY AIR AT 77°F:

- *DIELECTRIC STRENGTH TEST*: 3000 V at 50 Hz a.c. for 1 min.
- *ELECTRICAL RESISTANCE TEST*: ≥5 MΩ - 1000 V d.c.

MATERIAL USED:

- *FERROUS MATERIALS:* Carbon steel in its various grades
- *NON FERROUS MATERIALS:*

  Stratified epoxy resin and glass fiber Class G10-G11

  Sealing O-Rings suitable to meet working temperature and fluid conveyed

  Filling epoxy resin

  Epoxy resin for internal/external coating (3 mils DFT)

NPS	ANSI 150						ANSI 300						ANSI 600					
SIZE	A	B	C	D	WALL	LBS.	A	B	C	D	WALL	LBS.	A	B	C	D	WALL	LBS.
1/2	.840	2 3/8	1 3/4	11 13/16	.109	2	.840	2 3/8	2 3/8	11 13/16	.109	2.2	.840	2 3/8	2 3/8	11 13/16	.109	2.2
3/4	1.050	2 3/8	1 3/4	11 13/16	.113	2	1.050	2 5/8	2 3/8	11 13/16	.113	2.9	1.050	2 5/8	2 3/8	11 13/16	.113	2.9
1	1.315	2 1/2	1 7/8	11 13/16	.133	2.6	1.315	3	2 3/8	11 13/16	.133	4.4	1.315	3	2 3/8	11 13/16	.133	4.4
1 1/4	1.660	3 1/16	2	11 13/16	.140	4	1.660	3 1/4	2 3/4	11 13/16	.140	5.5	1.660	3 1/4	2 3/4	11 13/16	.140	5.5
1 1/2	1.900	3 9/16	2 1/8	11 13/16	.145	5.3	1.900	3 3/4	3 3/16	11 13/16	.145	7.7	1.900	3 3/4	3 3/16	11 13/16	.145	7.7
2	2.375	4	2 3/8	15 3/4	.154	9	2.375	4 1/4	3 5/8	15 3/4	.154	13.2	2.375	4 1/4	3 5/8	15 3/4	.154	13.2
2 1/2	2.875	4 1/2	2 7/16	15 3/4	.172	10.6	2.875	5 1/16	3 3/4	15 3/4	.172	18.7	2.875	5 1/16	3 3/4	15 3/4	.172	18.7
3	3.500	5	2 9/16	15 3/4	.188	13.9	3.500	5 1/2	4 1/8	19 11/16	.188	26.4	3.500	5 3/4	4 3/4	19 11/16	.216	33
4	4.500	6 1/16	2 3/4	15 3/4	.188	20	4.500	6 1/4	4 5/16	19 11/16	.188	30.8	4.500	7	5 3/16	19 11/16	.237	48.4
5	5.563	7 5/8	3 3/16	19 11/16	.188	31.9	5.563	7 13/16	5 1/8	19 11/16	.258	57.2	5.563	8	5 9/16	23 5/8	.258	68.2
6	6.625	9 1/16	3 3/4	19 11/16	.219	46.2	6.625	9	5 3/8	23 5/8	.218	81.4	6.625	9 7/16	5 13/16	23 5/8	.280	94.6
8	8.625	10 3/4	3 15/16	19 11/16	.250	68.2	8.625	11 3/4	5 7/16	23 5/8	.250	125.4	8.625	11 3/4	6 1/4	23 5/8	.322	145.2
10	10.750	13 1/2	5 3/16	27 9/16	.250	136.4	10.750	13 13/16	5 5/8	27 5/8	.307	187	10.750	14 1/4	7 1/16	27 9/16	.365	235.4
12	12.750	15 9/16	5 5/16	27 9/16	.281	171.6	12.750	15 3/4	5 15/16	31 1/2	.312	250.8	12.750	16 5/16	7 15/16	35 7/16	.500	332.2
14	14.000	16 15/16	5 7/16	35 7/16	.312	250.8	14.000	17 5/16	6 3/16	35 7/16	.312	316.8	14.000	17 3/4	8 3/16	39 3/8	.500	471
16	16.000	19	5 5/8	35 7/16	.312	292.6	16.000	19 5/16	6 3/8	39 3/8	.312	451	16.000	19 7/8	8 5/8	39 3/8	.500	508.2
18	18.000	21 1/16	6 1/4	39 3/8	.312	343.2	18.000	21 1/2	6 15/16	39 3/8	.375	492.8	18.000	22 3/8	9 9/16	39 3/8	.500	649
20	20.000	23 5/16	6 3/4	39 3/8	.312	451	20.000	23 13/16	7 5/8	39 3/8	.375	589.6	20.000	24 13/16	10 1/16	39 3/8	.500	814
22	22.000	25 3/8	7	39 3/8	.312	545.6	22.000	25 13/16	7 13/16	47 1/4	.375	763.4	22.000	27 1/16	10 15/16	47 1/4	.562	1,056
24	24.000	27 9/16	7 3/8	39 3/8	.375	642.4	24.000	28 3/8	8 1/16	47 1/4	.375	972.4	24.000	29 7/16	11 7/16	47 1/4	.625	1,287
26	26.000	29 1/2	7 7/8	39 3/8	.375	737	26.000	30 9/16	8 7/16	47 1/4	.500	1,148.4	26.000	32	12 1/16	51 13/16	.625	1,716
28	28.000	31 15/16	8 3/16	47 1/4	.375	836	28.000	32 11/16	8 11/16	47 1/4	.500	1,344	28.000	34 3/16	13 1/16	51 13/16	.688	1,947

NOTE:

- 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.

- *CALCULATIONS:* according to ASME Sect. VIII, Div. 1, App. 2
- *WELDING PROCEDURE:* according to ASME Sect. IX

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