



MONOLITHIC ISOLATION JOINTS
FLANGE KITS AND GASKETS
CATHODIC PROTECTION

Website - www.ijasltd.co.uk

Email - ijasltd@gmail.com

Tel - 02380 696452

MONOLITHIC ISOLATION JOINT SPECIFICATION

Our monolithic isolation joints are manufactured at the Alfa Engineering facility (an ISO:9001 certified company) in Modena, Italy.

They have the facilities to manufacture any size joint from ½" up to 48" (other sizes available upon request)

Each joint comes complete with full 3.1 certification.

The following tests are carried out on each joint:

Dielectric test (kV) – Carried out multiple times during the manufacturing process

Electric test (MΩ) – Carried out multiple times during the manufacturing process

Pneumatic air test

Fatigue test

Hydrostatic Test

Other testing methods, such as holiday sponge test, charpy test (impact testing), and dye penetrant are available upon request.

The following outlines which tests are carried out on which parts of the joint as standard

End bevels – Ultra sonic test

Magnetic particle test

Weld 1, Weld 2 + Weld 3 – Ultra sonic test

Magnetic particle test

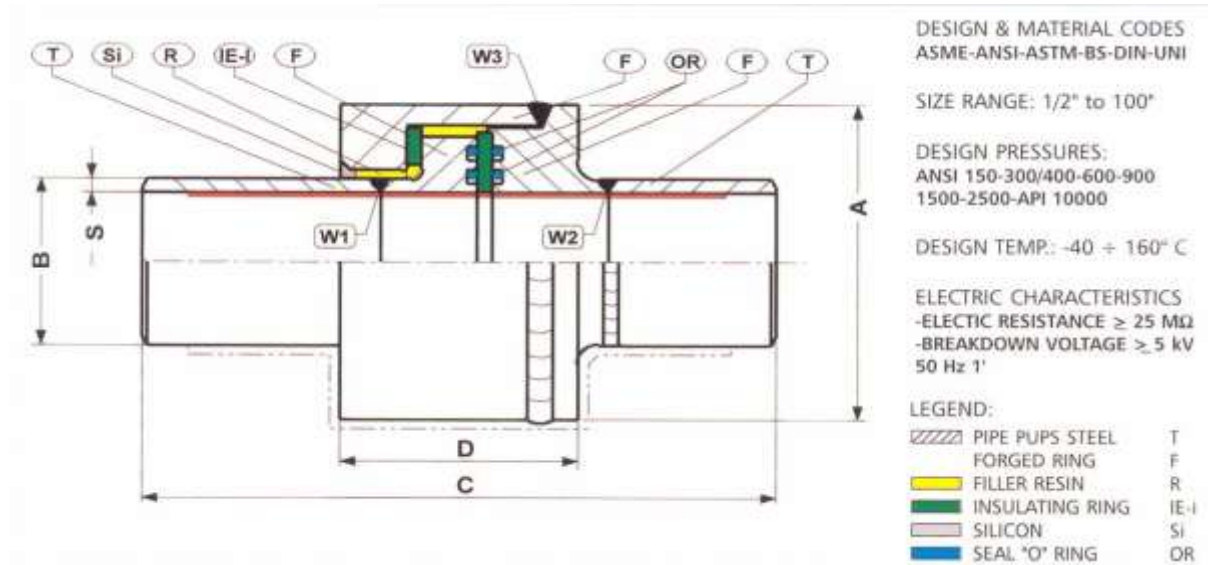
(X-ray carried out on weld 1 + 2 on high pressure joints)

Each joint consists of 3 components. These are:

- Small ring (S)
- Large ring (L)
- Container ring (G)

All 3 components undergo magnetic particle testing

Below is the standard specification for each size and pressure rating.
 If you require a non standard isolation joint, please contact us and we will endeavour to give you the best price and delivery time possible.



DIAMETER		ANSI #150 - PN / DP 25						ANSI #300 - PN / DP 64					ANSI #600 - PN / DP 100				
INCH	MM	B	S	API 5L Gr.	A	C	D	S	API 5L Gr.	A	C	D	S	API 5L Gr.	A	C	D
1	25	33.4	3.38	Gr. B	76	400	92	3.38	B	76	400	92	3.38	B	76	400	92
2	50	60.3	3.91	Gr. B	104	400	106	3.91	B	110	500	108	5.54	B	110	500	108
3	75	88.9	4.78	Gr. B	130	400	114	5.49	B	150	500	114	5.49	B	150	500	116
4	100	114.3	4.78	Gr. B	155	400	120	6.02	B	175	500	120	6.02	B	175	500	130
6	150	168.3	5.56	Gr. B	216	400	134	7.11	X52	240	500	140	7.11	X52	240	500	150
8	200	219.1	6.35	Gr. B	269	400	148	8.18	X52	294	600	160	8.18	X52	297	600	178
10	250	273	6.35	Gr. B	320	450	156	8.74	X52	352	700	180	9.27	X52	352	700	204
12	300	323.9	6.35	Gr. B	378	450	160	9.52	X52	404	700	204	9.52	X52	404	700	224
14	350	355.6	7.92	Gr. B	419	600	190	9.52	X52	448	800	214	9.52	X52	453	800	250
16	400	406.4	7.92	Gr. B	478	800	210	10.31	X52	495	800	235	10.31	X52	502	800	274
18	450	457.2	7.92	Gr. B	529	800	224	11.91	X52	546	800	260	11.91	X52	552	800	300
20	500	508	7.92	Gr. B	580	900	234	11.90	X52	605	900	274	11.91	X52	609	900	322
24	600	609.6	9.52	Gr. B	695	1000	274	14.27	X52	705	1000	324	14.27	X52	739	1000	358
26	650	660.4	9.52	Gr. B	734	1000	286	14.27	X52	756	1000	336	14.27	X52	783	1200	386
28	700	711.2	9.52	Gr. B	784	1000	296	15.88	X52	815	1200	360	15.88	X52	836	1200	376
30	750	762	9.52	Gr. B	840	1000	304	15.88	X52	879	1200	376	15.88	X52	907	1300	426
32	800	812.8	9.52	Gr. B	890	1000	314	19.05	X52	884	1300	390	19.05	X52	946	1300	430
36	900	914.4	9.52	Gr. B	990	1200	330	19.05	X52	1031	1300	440	19.05	X52	1080	1300	492