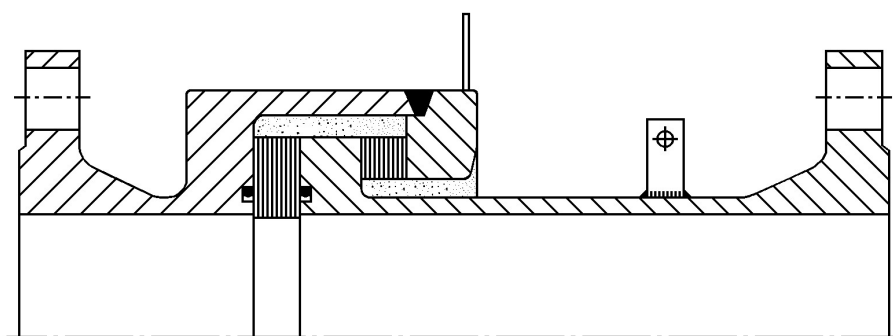


INSULATING JOINTS FOR IMPORT PIPES ON OIL TANK TERMINALS



RMA INSULATING JOINTS for import pipes on oil tank terminals are factory welded and ready for installation. It is a design which has proven successful throughout the world even for highest requirements.

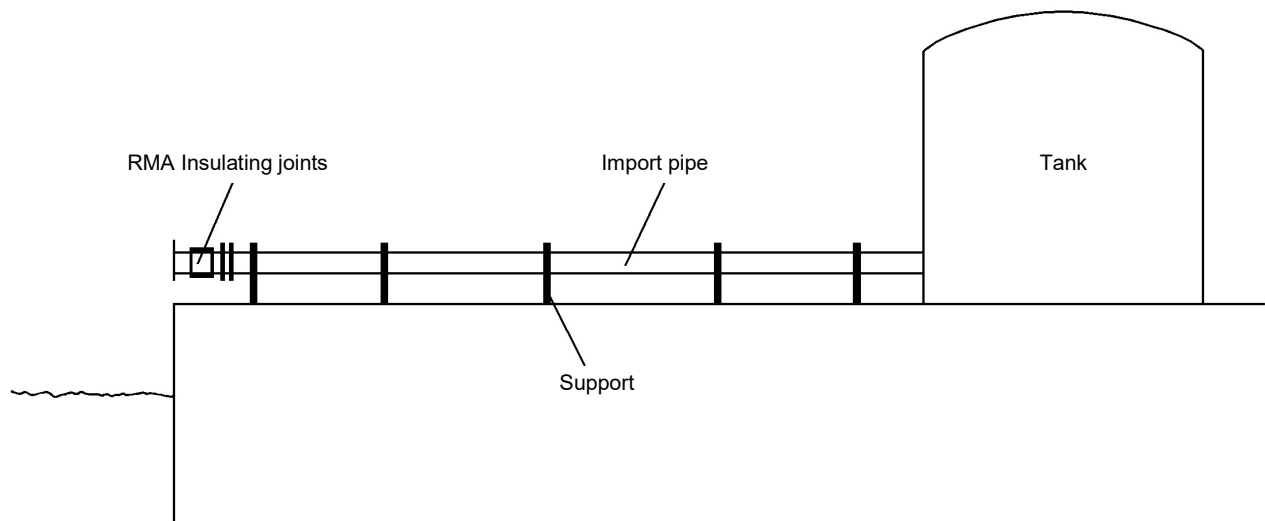
RMA INSULATING JOINTS are maintenance free and suitable for underground installation without the need for special precautions or for above ground installation.

RMA INSULATING JOINTS are available with or without torsional moment, also in low temperature material for installations north of the polar circle. There are absolutely no impairment due to external influences.

Insulating joints for import pipes for Oil tank terminals Type IK-short

Sluck, Piece:		Termin, Delivery:		IK ON 150 PN 16 "short type"			
<u>Sluckliste, Part-list</u>							
Teil Part	Sluck Piece	Benennung-Fertigmaß Nomenclature-Finished size	Werkstoff Material	Alltest WN 50049	Rohmaß Rough size	Gewicht Weight	kg
1	2	V-Flansch WN Flange DN 150 PN 16	150 LF2 Tst 35	3.18	φ 168,3 x 4,5	15,4	
2	1	Ring 251/157° 23	St E 420	3.13	251/152° 25	6,2	
3	1	Rohr Pipe 168,3° 5,6 x 124	A333 Gr. 6	3.18	maßtl. 124/4	2,2	
4	1	Ring 230/157° 23	St E 420	3.13	235/152° 25	5,0	
5	1	Ring 250/188° 23	St E 420	3.13	250/183° 25	4,5	
6	1	Rohr Pipe 273° 10 x 80	A333 Gr. 6	3.18	maßtl. 80/4	5,2	
7	1	Ring 219/155° 20	Glasfaser epoxy			0,5	
8	1	Ring 230/184° 15	66 91			0,1	
9	2	O-Ring 47 x 580	Viton				
10	2	Measures in Point 20 x 20 x 3	SE 37,2				
Spannungsarm glühen: Teil Stress relieving: Part				Vorspannkraft: Initial stressing force: 39 000 N			
Anstrich: Außen: Hempagel 4661 Innen: Painting: Outside: 120 mg (Yellow) Inside:							
				Verpackung: Kiste Packing: Case			
Abnahme durch: Inspection by: RHA				Sicherheitsbeiwert S: 1,8 Design factor F: 0,56			
Betriebsüberdruck: Working pressure: 16 barg				Probeüberdruck: Test pressure: 24 barg wasser ixing water			
Schweißfaktor: Weld factor: 0,85							
Mater.: AE: 1/2 mm RN Teil check: Weld ends: 1/2, 1/3, 3/4, 100% CS Part				Magnetflux: RN Teil Magn Particle: CS Part 100% LS Part			
Röntgen LM Teil 100% RN Teil 100% CS Part 100%				Elektr. Prüfung: 500 V DC & 10 A Ω Dielectric test: 5000 V/50Hz, max 5 mA			
GODKENDT STATENS BRANDINSPEKTION R. Johansen							
Rheinver Maschinen- und Armaturenbau GmbH Werk Kehl		RMA		ISOLIERSTÜCK INSULATING JOINT TYPE "IK" DN 150 PN 16		Schweiß Ing Welding Eng H.H.F.	
APP		Tuy		Name			
Aarb		F.F.					
Geur							

Insulating joints for import pipes for Oil tank terminals Monoblock



RMA monoblok insulating coupling

- a assembly welded pipeline component
- the design is used all over the world acc. to the highest specifications
- maintenance free
- available for installation under ground or above without special precautions
- resists outside coming influence

Mechanical specification

- excellent mechanical properties
- the welded unit provides a safe and reliable connection even over extremely long period of time
- countless tests, prototype tests acc. to specifications from many years of practical operation

Electrical specification

- the dimensioning of the insulating sections is designed in addition to the insulating materials and technical production factors
- large external insulating length, thus eliminating the possibility of sparkover
- very good dielectric strength, substantially greater than in the case with conventional insulating flanges
- the average electrical resistance, measured at 1000 V DC, exceeds 40 Mohm

Calculation

- in accordance to German standards such as EN 12007-3 up to PN16 and EN 1594 over PN16, TRBF, ASME code or other international standards or specific requirements
- if not other regulations are made, the RMA company (DIN) standards are valid.
- additional forces such as bending moments and tensile forces ect. must be specified by the customer
- basically, all components of forces and force values occuring can be taken into consideration during calculation

Scope of manufacture

- the production will NOT begin before approved drawing by customer
- the numerical values specified in the brochure are based upon assumed standard versions
- deviations and matching to specific operating conditions may be implemented before production start