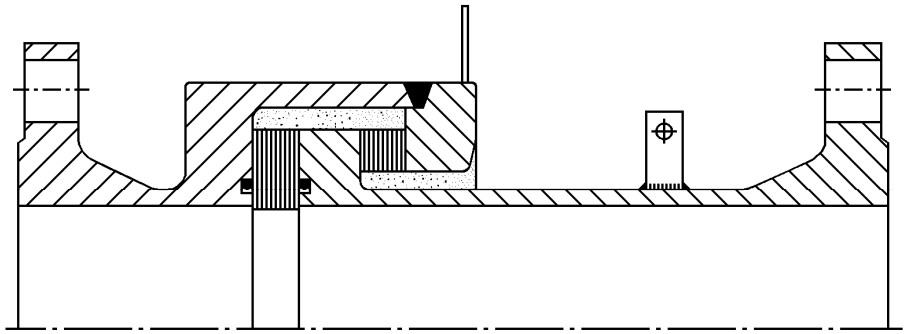
INSULATING JOINTS FOR IMPORT PIPES ON OIL TANK TERMINALS



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.

cobalch
pipeline accessories

RMA
PIPELINE EQUIPMENT

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

Stück; Piece: Termin; Delivery: | IK DN 150 PN 16 "short type"

Stückliste, Part-list

Teil Part	Stück Piece	Benennung-Fertigmaß Nomenclature-Finished size	Werkstoff Material	Attest DIN 50049	Rohmaß Rough size	Gewicht Weight kg
1	2	V-Flansch W.N.Flange DN 150 PN 16	ISO 4F2 TSt 35	3.1B	ϕ 168,3 x 4,5	15,4
2	1	Ring 251/157 x 23	St E 420	3.13	251/152 x 25	6,2
3	1	Rohr Pipe 168,3 x 5,6 x 124	A 333 Gr. 6	3.1B	nahtl. 124 lg.	2,7
4	1	Ring 230/157 x 23	St E 420	3.13	235/152 x 25	5,0
5	1	Ring 250/188 x 23	St E 420	3.13	250/183 x 25	4,5
6	1	Rohr Pipe 273 x 10 x 80	A 333 Gr. 6	3.1B	nahtl. 80 lg.	5,2
7	1	Ring 219/155 x 20	Glasfaser epoxy			0,5
8	1	Ring 230/194 x 15	6 G 9 A			0,1
9	2	O-Ring ϕ 7 x 580	Viton			
10	2	Measuring-Point 20 x 20 x 3	St 37.2			

Spannungsarm glühen: Teil / Stress relieving: Part X | Vorspannkraft: / Initial stressing force: 39 000 N

Anstrich: Außen: Hempagil 4664 Innen: X
Painting: Outside: 120 my (Yellow) Inside:

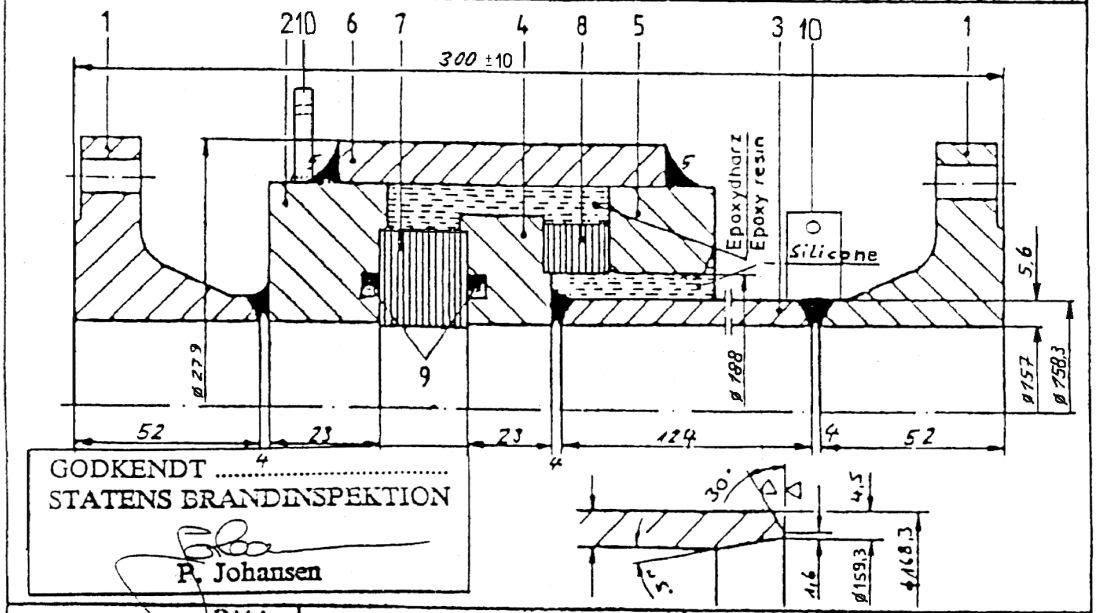
Verpackung: Kiste / Packing: Case

Abnahme durch: RMA / Inspection by | Sicherheitsbeiwert S: 1,8 / Design factor F: 0,96

Betriebsüberdruck: 16 barg / Working pressure | Probeüberdruck: 24 barg Wasser / 1,5 barg water | Schweißfaktor: 0,85 / Weld factor

Riss-Prüfung: AE: X mm / Crack check: Weld ends | RN Teil C.S Part 1/2; 1/3; 3/4; 100% | Magnetoflux: RN Teil X / Mag. Particle: C.S.Part 100% | LN Teil L.S Part X

Röntgen LN Teil X / X-ray: L.S Part 100% | RN Teil X / C.S Part 100% | Elektr. Prüfung: 500 V DC ≥ 10 KΩ / Dielectric test: 5000 V/50Hz, max 5 mA



GODKENDT .....
STATENS BRANDINSPEKTION
P. Johansen

Rheinauer Maschinen- und Armaturenbau GmbH Werk Kehl RMA	ISOLIERSTÜCK INSULATING JOINT TYPE „IK" DN 150 PN 16	Schweißing. Welding Eng.	1993	Tag / Name
			Bearb.	
			Gepr.	

Cobalch ApS ● Hejreskovvej 24 ● DK-3490 Kvistgård ● Denmark ● Tel.: +45 4582 0533
Danske Bank: 1471 4130088031 ● IBAN - DKK: DK3130004130088031 - EUR: DK4730004130088228 ● Swift code: DABADKKK
CVR nr. DK70614316 ● cobalch@cobalch.com ● www.cobalch.com

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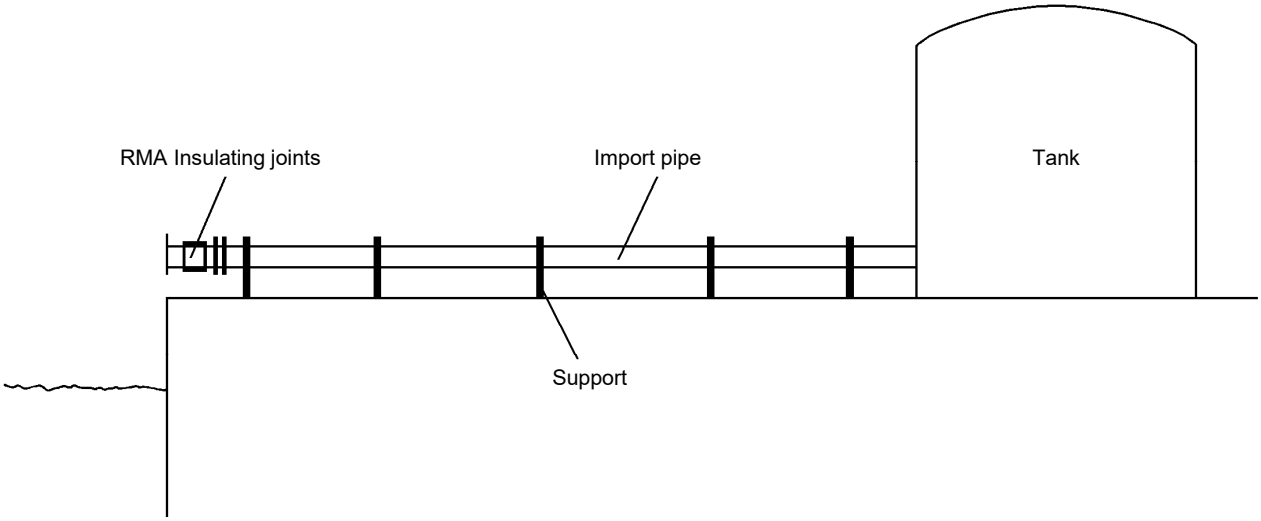
Insulating joints for import pipes for Oil tank terminals Monoblock



RMA monoblok insulating coupling

- a assembly welded pipeline component
- the design is used all over the world acc. to the higest 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

11-18-217

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