

Accessories for Composite hoses

Anti-Abrasion Collar and Hose Suspension Saddle

A new, revolutionary product that:

- protects hoses against abrasion
- provides improved hose handling
- improves safety



Abrasion Prevention:

The innovative design of the Scuffrings® prevents damage by abrasion; hose contact with the ground or foreign objects is minimized.

Improved Hose Handling:

The Scuffrings® can be used to lift or move the hose thereby greatly reducing the risk of hose damage due to excess bending, kinking or cutting.

Improved Safety:

It is reliably ensured that the minimum bend radius is not undershot. Additionally, by using Scuffrings® will prevent the hose from kinking or otherwise becoming compromised and so helps extending and prolonging the life of the hose. Employment of Scuffrings® as hoist support avoids inappropriate lifting, which can be very dangerous and easily causes leakages.

Patented Design & Installation:

Scuffrings® are produced in two different types of materials:

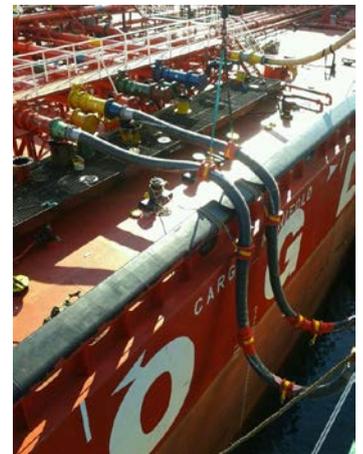
- Rigid polyurethane foam, yellow colour
- Polyurethane elastomer in red colour

The anti-abrasion Scuffrings®, manufactured as two halves, are made of abrasion and shock resistant polyurethane. The two halves can be easily assembled on-site using the stainless steel bolts and nuts provided with the assembly kit. Simply place Scuffrings® at the desired interval on the hose and then tighten the bolts.

Applications:

Dock hose, suction hose, vapour recovery hose or any size hose from 3" through 12" I.D. Scuffrings® supplied with yellow CE labelled slings. Slings are tested to 3.000 kg at a safety factor of 7:1 .

Prolong hose life & increase safety !

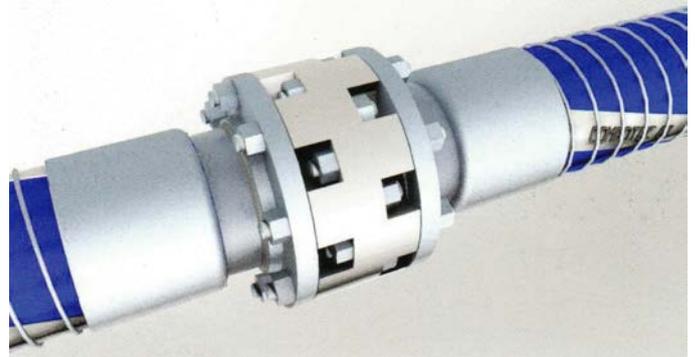


Size	Range Outside Ø	Width	Weight (kg)		Sling		
			Red PU-elastomer	Yellow exp. PU-foam	Material	Length (mm)	Rated capacity (kg)
3	75-92	200	2	1,2	Yellow Polyester	2000	1500 @7:1 safety factor
4	95-118	200	2,5	1,5	Yellow Polyester	2000	1500 @7:1 safety factor
6	155-180	200	4	2,4	Yellow Polyester	2000	2400 @7:1 safety factor
8	190-225	230	7	4,2	Yellow Polyester	2000	2400 @7:1 safety factor
10	245-280	300	9	5,5	Yellow Polyester	2000	3000 @7:1 safety factor
12	295-335	400	14,5	8,7	Yellow Polyester	2000	3000 @7:1 safety factor

INSULFLANGE

The purpose of the INSULFLANGE is to electrically separate two flanges.

INSULFLANGE is a new revolutionary system, used to prevent the flow of electrostatic charge to reduce sparking in hazardous environments. The INSULFLANGE system is also used to control losses due to corrosion. It can be used to control stray electric currents in piping at oil, gas, water, refinery and chemical plants and increase the effectiveness of cathodic protection systems and confine or eliminate electrolytic corrosion.



INSULFLANGE is often used in petrochemical applications to electrically isolate two mating flanges and to reduce the likelihood of creating a galvanic cell which would result in corrosion of the flanges and pipework.

INSULFLANGE is designed for the rigors of oilfield applications.

INSULFLANGE is designed in three different materials according to the applications.

INSULFLANGE is made of high pressure resistant material for added reliability.

INSULFLANGE for guaranteed reliability, even if mishandled. No phenolic or asbestos materials used.

Simple and easy to use, just to insert between the existing flanges and use standard bolts to get a perfect insulation. No additional kits, washers or sleeves required, no complicated kits to assemble !

Available for any flange type and/or specification (i.e. ANSI, API, DIN, etc.)

Mechanical & Electrical Properties	UOM	Test according to :	PE 1000	PA 6G	PTFE
Specific gravity	g/cm3	ISO 1183 - DIN 53479 - ASTM D 792	0,93	1,15	2,2
Tensile strength , at break	N / mm2	ISO 527	40	85	25
Hardness (tester)		ISO 868/2039.2- DIN 53505 - ASTM D-2240	D61 (Share D)	M88 (Rockwell HR)	D55 (Share D)
Working Temperature	°C		-150 + 80	-30 +100	-200 + 260
Dielectric Constant (1 MHz)		IEC 250 - DIN 53483 - ASTM D 150	3	3,7	2,1
Dielectric Strength	kV / mm	IEC 243-1- ASTM D 149	45	30	55
Electrical resistivity	Ohm/cm	IEC 93 - DIN 53482 - VDE 0303/3 - ASTM D 257	10 14	10 12	10 17
		IEC 250 - DIN 53483 - ASTM D 150	0,001	0,05	0,0002



We reserve the right to change specification without prior notice !

Over Bending Protection

These thermos-shrink sleeves on the hose end avoid bending below the permissible bending radius, which could cause damage to the sealing inside the swage sleeve.

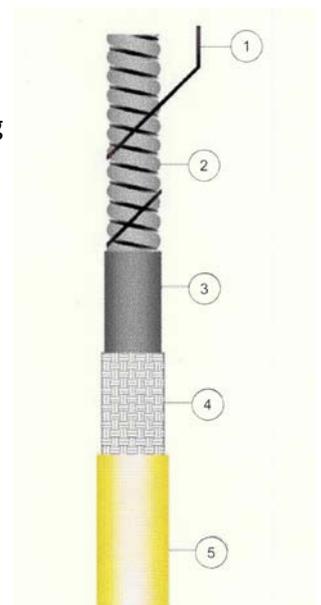


Electrical trace heating

Designed to keep hoses from freezing or to maintain transported product at temperatures where they remain liquid, our traced hoses use electrical heating. This exclusive system is based on a self-regulating tracing cable, operating with standard voltage electricity (230 V AC). The system is CE marked and manufactured in compliance with ISO 9001 regulations.

A double external insulation layer is then provided, according to the required temperature. External additional braid for protection is normally supplied. It is possible to supply on request, an additional thermocouple with a regulator, to have a fine temperature control and regulation.

1. ELECTRIC RESISTANCE
2. COMPOSITE HOSE
3. 1ST INSULATION COVER
4. 2ND INSULATION COVER
5. EXTERNAL PROTECTION



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