

SCUFFRING

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 abrasion damage; 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: the hose bending radius is protected and the hose is kept from kinking. Using Scuffrings®, In addition to extending and prolonging the life of the hose, it will prevent from kinking or otherwise becoming compromised. Hoist suspend or manipulate hoses improperly can be very dangerous.

Design & Installation:

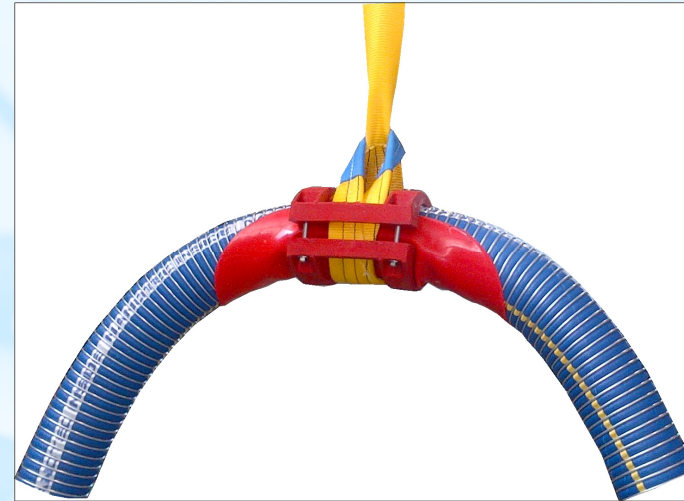
Scuffrings® are produced in two different types of materials:

- A. Rigid polyurethane foam, yellow color
- B. Polyurethane elastomer in red color

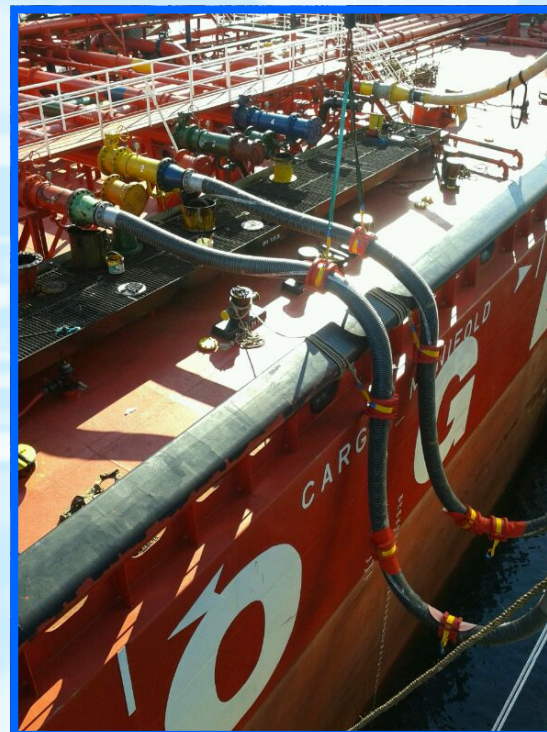
The anti-abrasion Scuffrings®, manufactured as two halves, are made of abrasion and shock resistant polyurethane. The two halves can be easily assembled on-site using the stainless steel bolts and nuts provided with the assembly kit. Simply place Scuffrings® at the desired interval on the hose and then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

Applications:

Dock hose, suction hose, vapour recovery hose or any size hose from 3" through 12" I.D.



Prolong hose life & increase safety



Patent Design N° RM2011V000198

SCUFFRING®

| Size | Outside Diam. Range | Width | Weight (Kgs) | | Material | Sling | |
|------|---------------------|-------|------------------|--------------------|------------------|-----------|-------------------------|
| | | | Red Elastomer PU | Yellow expanded PU | | Length mm | Rated capacity kgs |
| 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 |

SCUFFRING® TROLLEY

Specification

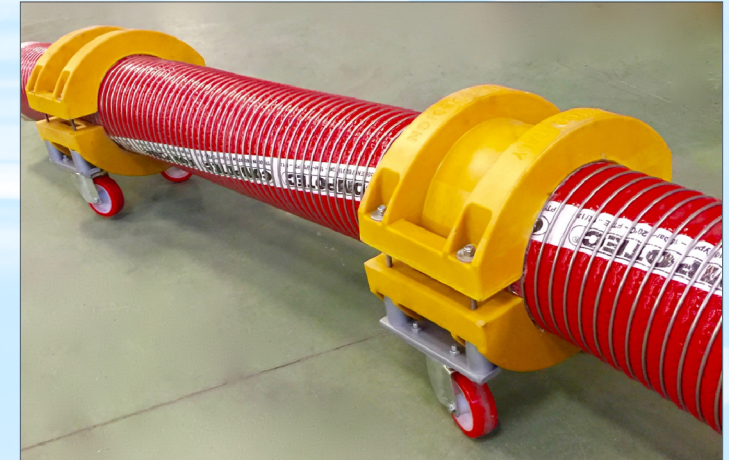
The SCUFFRING® trolleys are designed to give the intake hose generous ground clearance, which minimizes the likelihood of the hose scraping along the ground. This reduces damage and costly replacements.

SCUFFRING® Hose Trolleys can be supplied in the standard 2-wheel variant or the more stable 4-wheel version to suit requirements. Hose trolleys are also available with special mounting brackets to suit hydraulic stowage rails and can be supplied in different sizes to accommodate various diameters of intake hose.

Technical Data

The body of the unit is constructed from Expanded PU, whilst the castors are abrasion resistant PU. The combination of the two materials gives a robust long lasting solution.

The trolley's base is fabricated in steel and is robust and durable. The swivelling castors are fitted with 100 or 125 mm diameter PU tyre wheels which can be easily removed and replaced. The ends of the SCUFFRING® are flared to prevent sharp edges from damaging the hose.



Patent Design N° IT0276669

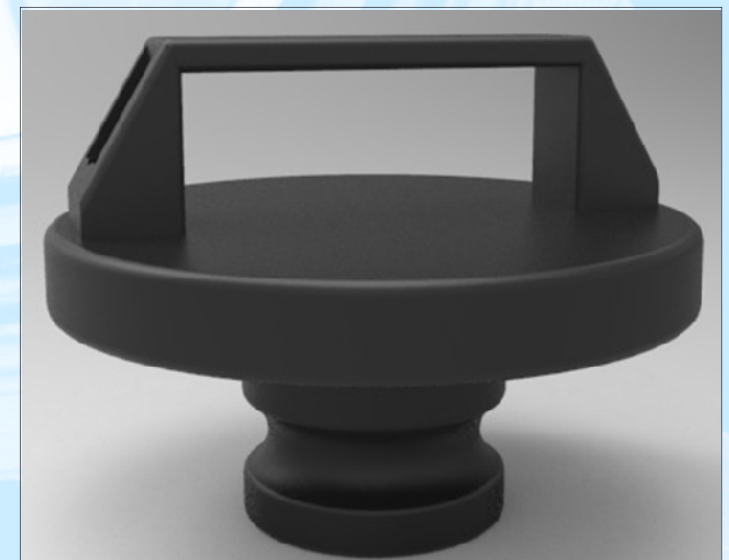
Safepull is a shock resistant black Polypropylene dust cap with a comfortable handle to allow an easy pulling of hoses, out from the hose rack, or replacing in position on tank truck's.

The "large" diameter, protects the fitting arms and ears from damage or accidental shocks, since it extends beyond the coupling itself.

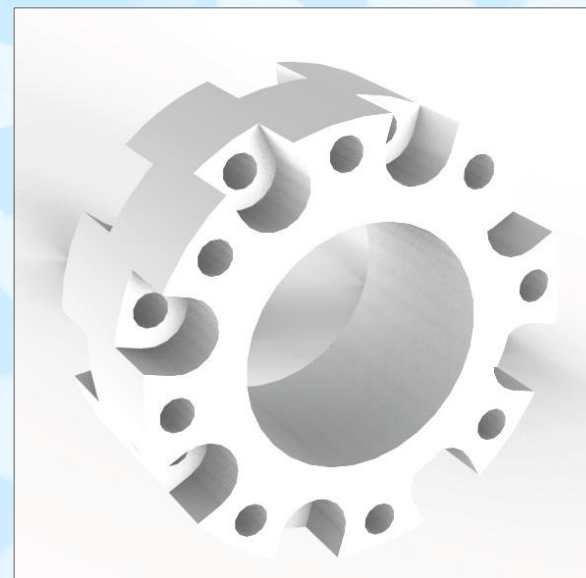
The PP material is shock resistant, and suitable for the majority of fuels and chemicals.

Available in all sizes from 1" to 4".

SAFE PULL



INSULFLANGE



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

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

Is often used in petrochemical applications to electrically isolate two mating flanges and to reduce the likelihood of creting a galvanic cell wich would result in corrosion of the flanges and pipework.

Is designed for the rigors of oilfield applications

Is designed in three different materials according to the application. Is made of high compressive strenght material for added reliability.

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.