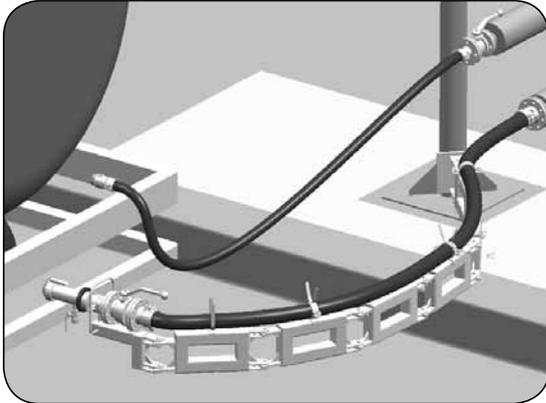


INDUSTRIAL FITTINGS - couplings

Loading arm SGA



Material:	Stainless steel (1.4301/1.4401) Carbon steel 1.0037 RAL 5002 Galvanized carbon steel 1.0037
Assembly location:	Wall, foot (support) or other type
Reloading:	Bottom or top
Length:	From 2 to 6 m
Bending radius:	From 150 to 450 mm

Operation

A loading arm is designed to carry a flexible hose assembly and thus facilitate work of its operator. Depending on the size the loading arm consists of several segments joined together with bolts. Slide bearings enable rotary movement. There is a flexible hose assembly attached to the loading arm. This hose assembly has an emergency brakeaway coupling at its end on the tank truck side. In an emergency incident (a tank truck rolls away though the assembly is still connected) breaking bolts connecting coupling halves are broken and the coupling disconnects. Simultaneously spring valves in both coupling halves lock so the transferred medium is not released to the atmosphere. The loading arm protects the hose against pulling forces.

Advantages

- a hose assembly is not dragged over the ground and consequently damaged (longer service life),
- easy handling - an operator does not lift the assembly - it is crucial when heavier assemblies DN 80, DN 100 are used,
- time efficiency.

Selection

In order to select a proper hose loading arm, a customer must fill in an information form (a form is supplied by one of the TUBES INTERNATIONAL® employees).

Application

The loading arms are used in industrial installations and reloading systems, to handle chemicals, fuels and gases. The loading arms in different lengths and P-SGA version for food and pharmaceutical application are also available.

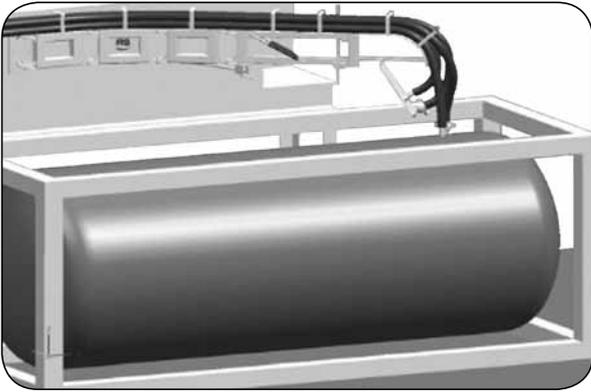
Standards

Manufactured according to the standards of the producer (Roman Seliger, Germany).

picture	DN	code	length [m]	material
	25	RS-SGA025350190	3.5	galvanized steel
		RS-SGA025350160		stainless steel
	50	RS-SGA050350190		galvanized steel
		RS-SGA050350160		stainless steel
	80	RS-SGA080350190		galvanized steel
		RS-SGA080350160		stainless steel
	100	RS-SGA100350190		galvanized steel
		RS-SGA100350160		stainless steel

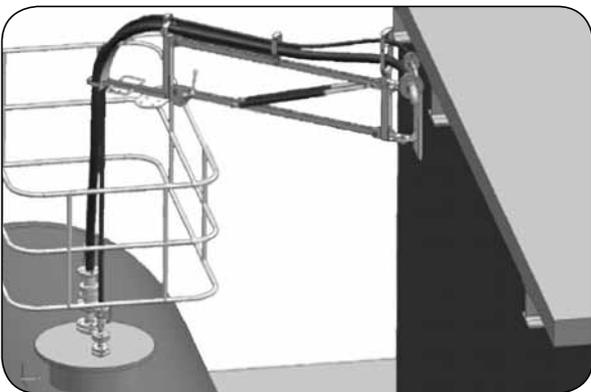
INDUSTRIAL FITTINGS - couplings

Loading arm SGA



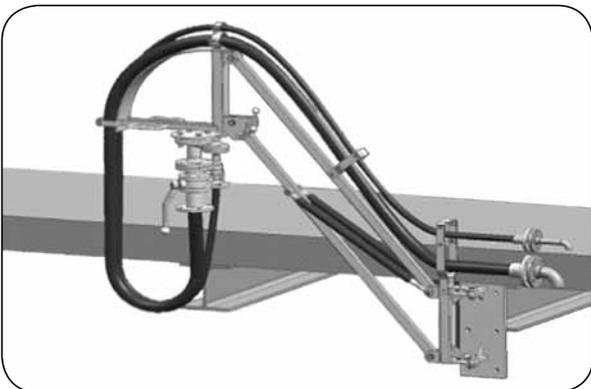
Top loading:

- handles four heated hose assemblies for product transfer;
- there is a docking unit at the end of the arm that safely supports the couplings of all four hose assemblies after use;
- the last segment of the loading arm allows vertical operation (0.5 m) as a locking arm with gas actuators protects the segment against dropping;
- arm length: 3.5 m;
- arm material: acid-resistant steel.



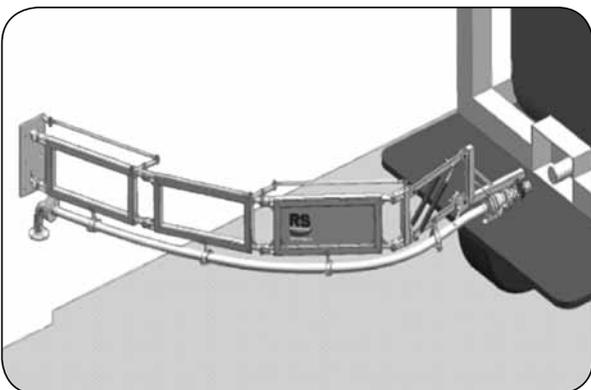
Top loading:

- carries two hose assemblies (product and vapour transfer),
- allows vertical operation (1.2 m),
- there is a locking arm that protects the loading arm against dropping when the hose assembly is connected to the tank truck,
- arm length: 2.3 m,
- hose assembly diameter: DN 50;
- arm material: galvanized steel.



Top loading:

- there is a docking unit under the arm that safely supports the couplings of hose assemblies after use.



Bottom loading:

- 5% slope of the loading arm for hose assembly drainage,
- carries one hose assembly for product transfer,
- the last segment of the loading arm allows vertical operation (0.25 m) as a locking arm with gas actuators protects the segment against dropping,
- the coupling is parallel to the end of the loading arm; movement of the arm is additionally limited by a pantograph,
- the hose assembly is fixed under the loading arm,
- arm length: 4.5 m,
- hose assembly diameter: DN 50,
- arm material: galvanized steel.