Bottom Loading Arm G32F, G33F

FEATURES AND BENEFITS

OPW supported and unsupported boom type bottom loading arms are designed to provide flexible long range operation. A minimum of five swivel planes of rotation offer complete flexibility for loading or unloading of railcars and tank trucks or ISOTAINERS. These arms can be equipped an API coupler, Drydisconnect coupler, Threaded or Flanged connection or any other customerspecified end fitting to make connections at the side, at the rear or underneath the vehicle. Intermediate- and End swivel assembly can be orientated upwards or downwards for optimum ease of operation.

To assist self-draining capability optional Low Profile Swivels may be selected in critical gravity unloading applications.

OPW bottom loading arms are available in many different configurations to accommodate specific customer requirements.



- **Easy to handle,** smooth operation
- Compact storage when not in use
- Proven design OPW loading arms are used by major oil terminals worldwide
- Flanged construction for ease of maintenance
- **Swivels** equipped with grease nipple
- **Durable** construction
- Wide range of seal material available
- Sizes 2" / DN50 , 3" / DN80 , 4" / DN100 or 6" / DN150
- Alternative materials of construction Carbon Steel, 316/316L Stainless Steel available
- Available with linear spring or torsion spring
- Pre-balanced at the factory to minimise installation and commissioning time

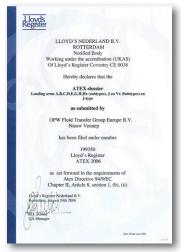
CERTIFICATES



NEN-EN-ISO 9001:2000



PED 97/23/EC



ATEX 94/9/EC

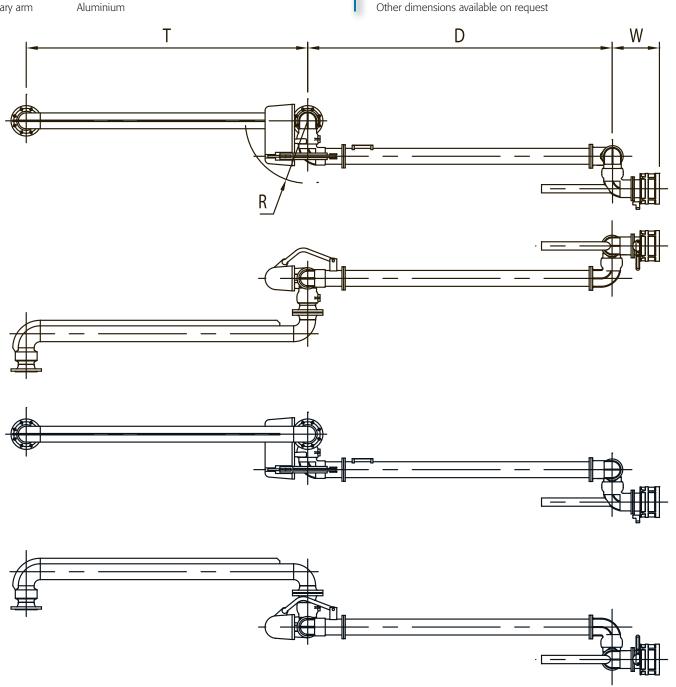
PRODUCT SPECIFICATION

Materials of construction

Inlet swivel Carbon Steel
Intermediate swivel Ductile Iron
End swivel assembly Aluminium
Swivel seals Viton® GFLT
Boom arm Carbon Steel
Primary arm Aluminium

DIMENSIONS

Size	Dimensions (in mm)			
	D	R	T	W
2" / dn50	1800	381	1700	350
3" / dn80	1800	406	1700	350
4" / dn100	1800	451	1700	350
6"/ dn150	1800	629	1700	350
Other dimensions available on request				



SPARE PARTS

Part number	Description
3002K-20-VG	2"/dn50 swivel seal replacement kit, Viton® GFLT
3002K-30-VG	3"/dn80 swivel seal replacement kit, Viton® GFLT
3002K-40-VG	4"/dn100 swivel seal replacement kit, Viton® GFLT
3002K-60-VG	6"/dn150 swivel seal replacement kit, Viton® GFLT



ACCESSORIES

Article numberDescription

1005E3-0402
API coupler

1004D4-0402 Semi automatic snap-on API coupler

1004DRN-0400Drain adaptor1005PA-AL40Parking adaptorPARST0007Parking standpost

11240 Sight glass (11456 for ethanol applications)

Optional available accessories include: Kamvalok®, Drylok, Epsilon Drydisconnect couplers; Stand Post; Position detection; Parking lock, and many more please consult factory for information and availability.

RELATED PRODUCTS

Article number Description

8800E Overfill Prevention and

Ground Verification Controller to EN13922



1004D4-0402



1004DRN-0400



1005E3-0402



1005PA-AL40







OPW Fluid Transfer Group: One Company, Five Brands



Dedicated engineered and patented solutions for pipe, tube and hose connections used for extreme applications high/low temperature & pressure and nuclear.

Examples: RapidLOK™ for flange replacement; save vents and drains; locking quick connect; product recovery systems; cryogenic couplings; autoclave check valves ...

www.hiltap.com



Mechanical and electronic components and systems for the save loading, transportation and offloading of hazardous fluids on road tankers. Examples: flat bottom API's; bottom valves; vapour recover valves; overfill prevention system; sealed parcel delivery system; onboard monitoring system; crossover prevention system ...

www.civacon.com



Mechanical and electronic components and systems for the safe storage, transfer and loading of hazardous fluids at chemical plants, refineries and terminals.

Examples: loading arms for fuels, chemicals, bitumen; rack monitoring system; quick disconnects (kamlok®, autolok™); dry disconnects (epsilon™, drylok™, kamvalok®); floating suction assemblies ...

www.opw-es.com



Components and systems for the save loading, transportation and offloading of hazardous fluids and dry bulk on pressure & non-pressure railroad tank cars and dry bulk road tankers.

Examples: pressure & vacuum relief valves; needle valves; top transfer valves; valve actuator systems; overfill prevention systems ...

www.midlandmfg.net



Components for pneumatic tank trailers, rail cars, chemical and pharmaceutical plants, and any application requiring the processing, movement and storage of dry bulk or liquid materials.

Example: butterfly valves; ball valves; sample systems; actuators; aeration systems; swing check valves ...

www.suresealinc.com



From the European Head office near Amsterdam The Netherlands, these 5 OPW Fluid Transfer Group brands are supported. In addition Loading Arms, Tank Truck equipment and its related accessories are designed and manufactured here to serve the OPW FTG Europe BV territory.

www.opw-ftg.nl

