

# PetroLoad

## Bottom Loading Arms



This loading arm is designed for heavy duty use at all types of petroleum loading facilities from terminals to distribution depots. It is ideal for new applications requiring high performance at an acceptable cost or as replacement for first generation arms reaching the end of their life.

### Features and Benefits

- Fully adjustable compression spring balanced for ease of use
- Carbon steel construction for long service life without corrosion
- 3 part swivel joint for easy maintenance
- High grade steel construction for improved operation
- Easily replaced energised swivel joint product seals
- Aluminium hose swivel elbow with control grip
- Hard wearing epoxy paint finish as standard
- Assembled and tested in the UK
- Full UK stock holding for assemblies and spares

### Safety by Design



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## Specification: Technical Data

Type	445 Suspended hose
Connection terminal side	4in ANSI 150 RFI
Connection vehicle side	4in API coupling manual or semi-auto, Ali body, Viton Seals
Arm balance	Adjustable heavy duty compression spring in safety sealed tube cylinder
Flow rates	2500 litre per minute maximum recommended 5.1 metres/ second
Pressure	10barG maximum
Temperature	-20°C/ 85°C
Pressure drop excluding API	@ 2500 litres/ minute, specific gravity 0.8, 10 psi/ 0.7 bar

## Materials

Base and fulcrum swivel joint	4in 3 part carbon steel outer flange and body, 304SS inner race way.
Primary arm	4in schedule 40 carbon steel
Balance assembly	Steel spring with threaded rod adjustment
Outboard swivel	3 part/4in aluminium flanged TTMA (option)
Drop hose swivel	3 part/4in aluminium flanged TTMA
3 part swivel seals	Spring energised PTFE/PTFE o-ring
Drop hose	4in composite type flanged TTMA - optional metallic/rubber
Drop spool	4in variable length aluminium flanged TTMA (option)



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