

LSA36-48 Line stop actuator

Ø36 - 48" line stop head capacity



Description

A Line stop hydraulic actuator used to temporarily isolate a section of pipeline for repairs or maintenance without the need to shutdown the line.

The Mirage LSA range is designed for ease of use in making 36 -48 inch (915 – 1219mm) line stops in conjunction with the required line stop head and housings into various material pipelines with varying wall thickness.

Hydraulically operated cylinder with control bar with direct measurement reading for distance control and double lock for securing the line stop head in place. Industry standard connection flange adapter for existing equipment.

Maximum working pressure is 1,480 p.s.i (102 bar) at 100°F (38°C). Operating temperature continuous rating is 181 °F (83°C).

The Mirage LSA36-48 has a valve bank positioned at the lower end of the cylinder for ease of operation.

Features

- ***Hydraulic cylinder and controls***
- ***Direct depth reading***
- ***Twin control bar locks***
- ***140" stroke as standard***
- ***Industry standard connections***

Technical Details

Minimum line stop diameter	915mm	36"
Maximum line stop diameter	1219mm	48"
Maximum operating pressure	102 bar	1480 p.s.i
Standard certified pressure	102 bar	1480 p.s.i
Maximum operating temperature (continuous)	83° C	181° F
Boring bar travel	3556mm	140"
Hydraulic oil capacity	291 Litres	64 Imp Gallons
Hydraulic supply required -1000 p.s.i (70bar)	Variable flow	

Weights and dimensions

Machine length	4468 mm	176"	
Machine weight	1320 kgs	2910 lbs	
Shipping weight	1520 kgs	3344 lbs	
Shipping dimensions	L - 460cm (181")	W - 50cm (20")	H - 50cm (20")

Standard Line stop housings

Nominal size		ASME class 150	ASME class 300	ASME class 600
In	DN	Part Number	Part Number	Part Number
36	900	LSH36-150	LSH36-300	LSH36-600
38	950	LSH38-150	LSH38-300	LSH38-600
40	1000	LSH40-150	LSH40-300	LSH40-600
42	1050	LSH42-150	LSH42-300	LSH42-600
44	1100	LSH44-150	LSH44-300	LSH44-600
46	1150	LSH46-150	LSH46-300	LSH46-600
48	1200	LSH48-150	LSH48-300	LSH48-600

The machine is supplied complete with actuator, hydraulic valve and pressure relief, control bar protector and pressure test end cap, certified lifting bracket, connection hoses, all required mounting studs and nuts and #600 connection spool, CE certificate, Packing list and Manual – pressure certificate for working pressure - 1480 psi (102 bar)

PP4 - Hydraulic power unit

Engine – Diesel	35 Kw	47 Hp
Maximum Pump delivery	0 -80 Lpm	0 - 21 gpm
Maximum operating pressure	100 bar	1450 p.s.i
Standard reservoir capacity	250 litres	55 gallons
Diesel fuel tank capacity	25 litres	5.5 gallons
Weight (not including fuel and hydraulic oil)	727 Kgs	1600 Lbs
12volt battery start and pendant control		

Standard Line stop heads

Nominal size		Folding head class 600	Sealing element class 600
In	DN	Part Number	Part Number
36	900	LSFH36	LSSE36-600
38	950	LSFH38	LSSE38-600
40	1000	LSFH40	LSSE40-600
42	1050	LSFH42	LSSE42-600
44	1100	LSFH44	LSSE44-600
46	1150	LSFH46	LSSE46-600
48	1200	LSFH48	LSSE48-600