

LSA4-12 Line stop actuator

Ø4 - 12" 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 4 -12 inch (102 – 305mm) line stops in conjunction with the required line stop head and housings into various material pipelines with varying wall thickness, surface or sub sea.

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 LSA4-12 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***
- ***72" stroke as standard***
- ***Industry standard connections***

Technical Details

Minimum line stop diameter	102mm	4"
Maximum line stop diameter	305mm	12"
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	1829mm	72"
Hydraulic oil capacity	29.5 Litres	6.5 Imp Gallons
Hydraulic supply required -1000 p.s.i (70bar)	Variable flow	

Weights and dimensions

Machine length	3440 mm	136"	
Machine weight	135 kgs	297 lbs	
Shipping weight	195 kgs	430 lbs	
Shipping dimensions	L - 354cm (140")	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
4	100	LSH4-150	LSH4-300	LSH4-600
6	150	LSH6-150	LSH6-300	LSH6-600
8	200	LSH8-150	LSH8-300	LSH8-600
10	250	LSH10-150	LSH10-300	LSH10-600
12	300	LSH12-150	LSH12-300	LSH12-600

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
4	100	LSFH4	LSSE4-600
6	150	LSFH6	LSSE6-600
8	200	LSFH8	LSSE8-600
10	250	LSFH10	LSSE10-600
12	300	LSFH12	LSSE12-600

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