

LSA14-20 Line stop actuator

Ø14 - 20" 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 14 -20 inch (355 – 508mm) 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 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**
- **102" stroke as standard**
- **Industry standard connections**

Technical Details

Minimum line stop diameter	355mm	14"
Maximum line stop diameter	508mm	20"
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	2591mm	102"
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	450 kgs	990 lbs	
Shipping weight	515 kgs	1133 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
14	100	LSH14-150	LSH14-300	LSH14-600
16	150	LSH16-150	LSH16-300	LSH16-600
18	200	LSH18-150	LSH18-300	LSH18-600
20	250	LSH20-150	LSH20-300	LSH20-600

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
14	100	LSFH14	LSSE14-600
16	150	LSFH16	LSSE16-600
18	200	LSFH18	LSSE18-600
20	250	LSFH20	LSSE20-600