

## Ø14 - 20" (line stop head capacity) Line Stop Actuator

Rev 1.0

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



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

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, surface or subsea.

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 LSA14-20 has a valve bank positioned at the lower end of the cylinder for ease of operation.

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).

### 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 (70 bar)	Variable Flow	

### Standard Line Stop Housings

Nominal Size		Part number		
In	DN	ASME Class 150	ASME Class 300	ASME Class 600
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

### Standard Line Stop Heads

Nominal Size		Part number	
In	DN	Folding Head Class 600	Sealing Element Class 600
14	100	LSFH14	LSSE14-600
16	150	LSFH16	LSSE16-600
18	200	LSFH18	LSSE18-600
20	250	LSFH20	LSH20-600

### 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		

### Weights and Dimensions

Machine Length	3440mm	136"
Machine Weight	450 Kgs	990 Lbs
Shipping Weight	525 Kgs	1155 Lbs

### Shipping Dimensions

Length		Width		Height	
mm	inches	mm	inches	mm	inches
3540	140	500	20	500	20