

Ø22 - 34" (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**
- **140" stroke as standard**
- **Industry standard connections**

The Mirage LSA range is designed for ease of use in making 22-34 inch (558 - 864mm) 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 LSA22-34 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	558mm	22"
Maximum Line Stop Diameter	864mm	34"
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	191 litres	42 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
22	550	LSH22-150	LSH22-300	LSH22-600
24	600	LSH24-150	LSH24-300	LSH24-600
26	650	LSH26-150	LSH26-300	LSH26-600
28	700	LSH28-150	LSH28-300	LSH28-600
30	750	LSH30-150	LSH30-300	LSH30-600
32	800	LSH32-150	LSH32-300	LSH32-600
34	850	LSH34-150	LSH34-300	LSH34-600

Standard Line Stop Heads

Nominal Size		Part number	
In	DN	Folding Head Class 600	Sealing Element Class 600
22	550	LSFH22	LSSE22-600
24	600	LSFH34	LSSE24-600
26	650	LSFH26	LSSE26-600
28	700	LSFH28	LSH28-600
30	750	LSFH30	LSSE30-600
32	800	LSFH32	LSSE32-600
34	850	LSFH34	LSH34-600

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	4468mm	176"
Machine Weight	740 Kgs	1631 Lbs
Shipping Weight	840 Kgs	1848 Lbs

Shipping Dimensions

Length		Width		Height	
mm	inches	Mm	inches	mm	inches
4500	177	500	20	500	20