

## Actuator III HYD

### Description

Hydraulic Linestop Actuator 22" - 34"  
ACTUATOR HYD 8" CYL X 4" ROD X 140" STROKE - 34" CAP

### Specifications

Mating Flanges:	Special "O" ring flange
Maximum Working Pressure:	102 barg (1480 psig) @82.2 °C (180 °F)
Maximum Working Temperature:	121.2 °c (250 °F) @55.16 barg (800 psig)
Hydraulic System MMP:	68.95 barg (1000 psig) (governed by set pressure of dual cross-line relief valve fitted to control valve)
Maximum Mechanical Load:	349.5 kN (78570 lbf) (Hydraulically generated mechanical thrust)
Overall Dimensions (retracted):	4500 x 600 x 500 mm (177 x 24 x 20 in.)
Overall Dimensions (extended):	8100 x 600 x 500 mm (318 x 24 x 20 in.)
Weight:	700 kg (1545lb)
Product Groups:	Group 1 or Group 2, Liquid or Gas as defined in the 1999 Pressure Equipment Regs.

### Maximum Working Limits

The maximum working limits of the actuator are defined by two points: a maximum working pressure at a specified temperature and a maximum working temperature at a specified (lower) pressure. It is acceptable to operate the actuator at any pressure up to a limit defined by a straight line drawn between the above limiting points on a pressure temperature diagram.

The safe working limits for pressure and temperature are illustrated graphically in figures 2 and 3. It is the end user's responsibility to ensure that the actuator is not attached to a system whose operating conditions exceed the Maximum Working Pressure and the Maximum Working Temperature specified above.

The hydraulic system has an over pressure protection system to ensure that the return side of the cylinder cannot be over pressurized. This could otherwise occur if the return side was isolated and the forward stroke side pressurized to the hydraulic MMP.

