SINGLE ACTING TELESCOPIC CYLINDER

MODEL NO: 8-5-235-A00

Mounting Dimensions: 64.53” (1639 mm) + 0.75” (19.1 mm) min. pull out

Max Pressure: 2750 PSI/ 189.7 Bar (Rated for 2900 PSI/ 200 Bar)

Weight: 584 lb. (264.9 kg)

Seal Kit Part No.: GSK–85–00

Number of Stages: 5

Diameter (in./mm) | 6.85 / 174 | 6.06 / 154 | 5.31 / 135 | 4.57 / 116 | 3.86 / 98
Stroke (in./mm) | 48.66 / 1236 | 49.06 / 1246 | 49.41 / 1255 | 49.69 / 1262 | 38.18 / 970
Thrust (ton/kN) | 50.7 / 451 | 39.7 / 353 | 30.4 / 270 | 22.6 / 201 | 16.1 / 143
Oil (gal/L) | 7.71 / 29.12 | 6.09 / 23.05 | 4.71 / 17.83 | 3.50 / 13.25 | 1.93 / 7.31

Total Stroke: 235.00 in. (5969 mm)

Thrust based on 2750 PSI (189.7 Bar)

Total Oil: 23.94 gal (90.61 L)

User responsibility: Incorrect selection or incorrect use of the here described component and its related items may cause death, personal injury and property damage. All the information here reported are intended for further investigation by users with technical knowledge. The user, as manufacturer of the completed machinery which will incorporate the here described components, is the solely responsible for the final selection of the components. The user must carry out necessary research and tests on components to determine whether, by its design and construction, all performance, endurance, maintenance, safety and warning requirements are met. The user must assure the compliance of the completed machinery with all appropriate laws, directives, norms, industry standards. The normal application of telescopic-cylinders is to lift up tipping bodies, loaded with different materials, and consequently discharge this material while the cylinder is being extended.

The cylinder has been designed to provide only a linear pushing force. The cylinder is not a structural member and must not be used as a stabilizer or be subject to side or pulling load. The cylinder will not prevent the dump body or trailer from rollover or lateral tilt. The body weight plus the max payload are the max tipping weight that can be raised by the cylinder. This value, calculated at the max pressure, is a rough indication of the tipping power of the cylinder and must be used as a first criteria for selection of the cylinder. The real tipping mass can only be calculated by the design engineer of the completed machinery, and must take into account the geometry of the dump body, operating conditions and all reasonably foreseeable uses. Never exceed maximum thrust.

When selecting a hydraulic cylinder for replacement. It is the responsibility of the purchaser and installer/user to verify that all dimensions, mounting, and performance features of the replacement cylinder are appropriate for the application.

REMARKS

Max Pressure 2750 PSI (189.7 Bar) Due to NPT Ports