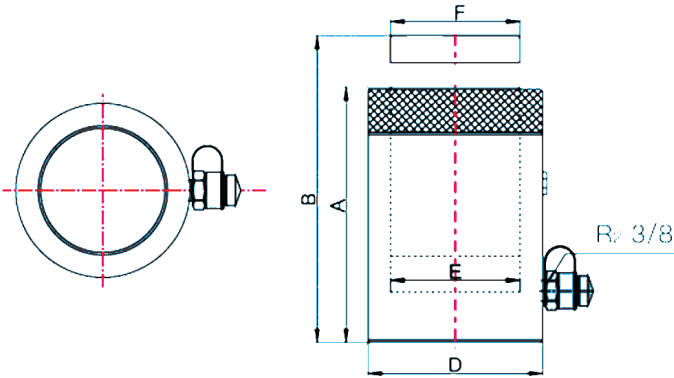


SINGLE ACTING THREADED RAM CYLINDERS WITH SAFETY LOCKNUT- HEAVY DUTY SERIES



CAPACITY	10 to 1000 tons
TYPE	Single-acting, spring return with mechanical locknut
STROKE	Available in multiple standard stroke lengths
PRESSURE RATING	Up to 700 bar
CONSTRUCTION	Heavy-duty, high-strength alloy steel with corrosion-resistant finish
OVERLOAD CAPACITY	Designed to withstand up to 25% overload under controlled conditions
RAM TYPE	Threaded piston rod with heavy-duty locknut for mechanical load securing



FEATURES:

- Spring-assisted retraction** for smooth, reliable operation
- Locknut mechanism** enables safe, extended load holding without continuous hydraulic pressure
- Designed for **long-duration load support** in vertical or horizontal applications
- Engineered for **demanding field conditions** with high durability and low maintenance

APPLICATIONS:

- Ideal for bridge lifting
- Structural jacking
- Industrial maintenance
- Heavy machinery alignment, and long-term load support in construction and civil infrastructure

TECHNICAL SPECIFICATIONS

Model	Tonnage (ton)	Stroke (mm)	Closed height A (mm)	Extended Height B (mm)	Body dia. D (mm)	Bore dia. E (mm)	Piston dia. F (mm)	G.W. (kg)
RHD-1050	10	150	220	370	80	70	45	6
RHD-20150	20	150	225	375	95	85	60	7
RHD-30150	30	150	240	390	115	105	75	14
RHD-50150	50	150	265	415	160	150	95	32
RHD-100150	100	150	285	435	225	215	145	69
RHD-150150	150	150	300	450	275	265	180	115
RHD-200150	200	150	310	460	320	310	200	165
RHD-300150	300	150	315	465	390	380	255	260
RHD-400150	400	150	355	505	430	420	290	345
RHD-500150	500	150	410	560	490	480	343	525
RHD-750150	750	150	475	625	600	590	425	990
RHD-1000150	1000	150	495	645	690	680	510	1300

ESSENTIAL OPERATING GUIDELINES:

- 1. Operate within rated stroke and controlled overload limits-** Do not exceed rated stroke; while the cylinder can handle up to 25% overload, this should be done only under controlled and safe conditions.
- 2. Ensure full contact and proper alignment-** Use the cylinder on a flat, stable surface with the load centred on the ram to avoid side loading or uneven force
- 3. Use compatible pump and hose assemblies-** Match system pressure and flow with cylinder specifications; check all connections before operation.
- 4. Inspect regularly and maintain properly-** Check for seal wear, leaks, and ram condition before each use. Keep components clean and lubricated to maximize service life.