TELESCOPIC CYLINDERS

Single Acting Telescopic Technical Data

Technical Data

The study, conception and the technical specifications are only suitable for tippers

-Max pressure: 200bar
-Proof pressure: 300bar
-Max speed: 0.2m/s
-Temperature: -30˚C to + 90˚C
-Hydraulic mineral oil

Materials

-seamless tube NFA 49311/312 tube machined, ground, treated and polished Ra<0.4µ
-Each component is nitrited (except cylinder bottom)

Seals

-Rod: Compact polyurethane lip seal + 1 polyurethane wiper seal
-Cylinder bottom: O ring 80 shore + back up ring or static seal

Marking

-On tube or bottom: Reference + CH + week/year of manufacture
-Testing: By “pick up”

Recommendations

-Protect the hydraulic circuit by a relief valve and filter
-Check the state of the purity of the fluid (foreign bodies)
-Remember to purge the cylinders and the hydraulic circuit
-Do not weld onto the cylinder
-Do not under any circumstances use the system as a mechanical stop
-Never allow the body to lean against the cylinder when in stowed position

Storage

-The cylinder rod must be greased before being stored
-Protect the cylinder shaft and trunnions during high pressure steam cleaning

The normal operation of a telescopic cylinder consists in the regular lifting of a tipper body to progressively empty its load over its path, whilst respecting the operating and safety conditions.
A tipping system is solely a lifting device, it can not, under any circumstances, stabilise or guide the tipper body.
On choosing a cylinder, the weight C is equal to the weight of the body added to the weight of the load.