



a **Standex** company



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## Storage & Handling of Hydraulic Cylinders

### Storage

Your Custom Hoists single acting telescopic cylinder should be stored fully closed in a vertical position with the plunger end down. Be certain the cylinder is blocked securely to keep it upright. Storing with the plunger end down keeps oil on the seals which protects them from drying out. If horizontal storage cannot be avoided, the cylinder should be rotated into a new position every two months to prevent drying, distortion and deterioration of the seals.

Cylinders should be kept in an environment that is protected from excessive moisture and temperature extremes. Daytime heat bakes oil out of sealing materials which causes leaks and rapid wear when the cylinder is placed in service. Cooling at night causes water condensation and corrosion damage to wear surfaces. Widely varying temperatures and tightly closed ports may cause pressure to build up inside the cylinder to the point where the piston(s) moves far enough to expose the plunger to contamination and/or corrosion.

Storage areas that allow exposure to rain, snow and extreme cold must be avoided.

### Handling

Whenever moving or handling your Custom Hoists single acting telescopic cylinder, care should always be exercised to avoid any damage that may cause a detrimental effect to future performance.

It is always a good practice to lift your cylinder by using a nylon sling. **DO NOT** use a chain which can easily scar or scratch machined and polished surfaces and thereby lead to premature failure. Cylinder bodies and plungers can be easily dented with chain hoists.

Your cylinder should be handled in the closed or collapsed position to avoid any damage to the machined and polished sealing surfaces. Never step or stand on the cylinder, especially the extended polished

sealing areas.

Pin-eyes are for mounting the cylinder ..... **NOT LIFTING!** Premature failure can be the result of lifting the cylinder by the pin-eye which will pull the plunger out of the cylinder body and allow foreign material to enter the cylinder and thereby contaminate the hydraulic system.

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