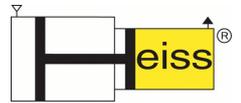


Hydraulic Rotational Drive Cylinder HDZ 120



General Information

The rotational drive HDZ 120 generates torque via the transversal movement of the pistons and a rack and pinion. Depending on the application the play between rack and pinion needs to be considered in particular when conditions of load reversal are encountered.

Upon request the cylinder can be equipped with vent valves. Please indicate the desired position for the vents when ordering.

For CAD data please request our electronic catalogue on CD or download it from the download page on www.heiss.de.

Operating conditions

- Operating pressure:** 120 bar, please contact us for higher operating pressures.
- Operating fluids:** Hydraulic oils on the basis of mineral oils, for example H, HL, HLP-oils per DIN 51524/51525. Other operating fluids like fire resisting fluids or water may be used upon request.
- Operating temperature:** By default the Hydraulic Rotational Drive Cylinder is equipped with seals for a temperature range from -20°C to +80°C. High temperature resistant seals can be fitted without changes in design. If required, please, add order-index "X6" when ordering (see special designs – type designations).
- Piston travel speed:** Maximum 0,5 m/s, please contact us for higher speeds.
- Angle of rotation:** Optional, up to max. $2 \times 360^\circ = 720^\circ$
Upon request with or without fine tuning option of angle of rotation on both sides
- Position of key:** By default the position of the key is vertical at the end-of-stroke position (as shown on dimension sheet). Rotation is in clockwise direction. Should a different position be required for the key, please indicate this with the order-index "X" (for example "key vertical in mid-of-stroke position")
- Torque:** The torques listed on the data sheet must not be exceeded. The listed torques take an efficiency of $\eta = 0,9$ into account
- Special designs:** The most common special equipment with the related order-index "X" is mentioned in the type designation section.
Additional piston sizes, multi-position Rotational Drive Cylinders or Rotational Drive Cylinders with position sensing option and other configurations are available on request.