

## Manipulator Jaw Rotate

The HLK-2010 is a light duty jaw rotate unit designed specifically for the EH5 manipulator, but can be retrofitted for any application requiring a jaw rotate function.

All hydraulic connections are ported into the rear of the body and are available in 1/8" NPTF in accordance with ANSI 81.20.3.

The rotate is a rack and pinion design while the jaw function is a double acting actuator. The body and bracket are manufactured of 6082 aluminium with a 50 micron hard anodized surface.



## **Features**

- Constructed from corrosion resistant materials
- Compact & lightweight @ only 3.24kg (7.14lb) in water
- Rotate range of 180 degrees and a jaw opening of 154mm at the end of the jaw tines



# **Technical Specifications**

| at Rotate                                   |
|---|
| ess Steel, 6082 Aluminium                   |
| ised  |
| /Buna-N, PTFE                               |
| (ANSI 81.20.3)                              |
| x (W) 116mm x (D) 75mm (11.6" x 4.56" x 3") |
| lbs)  |
| 4lbs)                                       |
| es  |
|   |
| )   |
|   |

### Hydraulic Performance

| Maximum Working Pressure | 140bar (2000psi)  |
|--------------------------|---|
| Flow                     | 0.5lpm to 6lpm (0.13gpm to 1.32gpm)   |
| Fluid Type               | Mineral: DIN 51524, ISO 11158, ISO 6743-4, ASTM D6158<br>Synthetic: Panolin Atlantis, HLP-Synth |
| Viscosity                | 16cSt to 220cSt. VG 22-32 Recommended   |
| Temperature              | 5-60°C (41-140°F)   |
| Cleanliness Requirements | ISO 4406:19/17/14, NAS 1638:8, AS4059:9A/8B/8C  |
| Forces                   |   |
| Wrist Torque             | 18.7Nm @ 140bar (13.8lbf.ft @ 2000psi)  |
| Jaw Force                | 630N @ 140bar (141.63lbf @ 2000psi)   |
| Soft Rope Cut Diameter   | 19mm (3/4")   |
|                          |   |

| Environmental         |                       |
|-----------------------|-----------------------|
| Operational Depth     | 6000msw (19,680ft)    |
| Operating Temperature | 5-60°C (41-140°F)     |
| Storage Temperature   | 0-70°C (32-158°F)     |
| Humidity              | 0% to 100% Condensing |

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