



Features

- Soft line cutting capacity of 19mm (3/4")
- Hard line cutting capacity of 12.7mm (1/2")

Product Overview

The HLK-33100 soft line cutter is a light duty guillotine type cutter designed to cut soft ropes of diameters up to 19mm (3/4") and hard ropes of diameters up to 12.7mm (1/2") with a maximum tensile strength of 1760N/mm².

One side of the cutting head is open to allow the cutter body to be placed over a rope to be cut. When the cylinder is extended, the blade acts as a guillotine, severing the rope between the blades. The cylinder is then retracted to allow for the next cut.

This product is also available in a modified version of the HLK-43000 manipulator which is commonly found on under-slung skids used on the SAAB Seaeye observation class Falcon ROV.

Product Specifications

General

Cylinder Type	Double Acting
Materials	316 Stainless Steel, 6082 Aluminium
Seal Materials	Nitrile/NBR/Buna-N, PTFE
Product Finish	Hard Anodised
Ports	1/8" NPTF (ANSI B1.20.3)
Dimensions	(L) 349mm x (W) 108mm x (D) 100mm (13.7" x 4.25" x 3.9")
Weight in Air	5.4kg (11.9lb)
Weight in Water	3.8kg (8.36lb)

Hydraulic Performances

Max. Working Pressure	80bar (1160psi)
Flow	0.5lpm to 6lpm (0.13gpm to 1.58gpm)
Fluid Type	Mineral: DIN 51524, ISO 11158, ISO 6743-4 Synthetic: Panolin Atlantis, HLP-Synth
Viscosity	16cSt to 220cSt. VG 22-32 Recommended
Fluid Temperature	5-60°C (41-140°F)
Cleanliness Requirements	ISO 4406:19/17/14, NAS 1638:8, AS4059:9A/8B/8C

Forces

Max Soft Line Cutting Dia.	19mm (3/4")
Max Hard Line Cutting Dia.	12.7mm (1/2") (1760N/mm ²)

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