

RQ-159 – HLK-4600PT Boom Arms



Key Features;

- Designed for inspection of pipelines up 1mtr in diameter
- Camera position stable throughout 120o angular movement of arm
- Camera mount can be tilted through 120o and rotated through 360o
- Uses HLK-2150 pan & tilt unit

WHATS INCLUDED

HLK-4600PT
Operational hoses.
Operations Manual.
Certificate Pack.

OPTIONS

IVP for dedicated control
Survey Skid
TSS deployment frame

Description

The Hydrolek HLK-4600PT is a 4-function arm designed for inspection of pipelines up to 1m and can be fitted with customer specified cameras and lighting for deployment on a medium to large sized work class ROV's.

They are well proven industry standard boom arms and can be adapted for various types of ROV and application.

ROVQUIP can supply them with a dedicated valve pack for control, as well as additional tooling equipment for survey operations

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Product Specifications

General

Degrees of Freedom	4
Materials	316 Stainless Steel, 6082 Aluminium, HDPE
Product Finish	Hard Anodised, Painted
Ports	1/8" BSPP (SO 1179), 7/16" SAE (SAE J1926-1)
Dimensions	Refer to Drawing
Weight in Air	31.6kg (69.5lb)
Weight in Water	19.6kg (43lb)
Maximum Reach	1300mm (51")
Pan Travel	360 Degrees
Tilt Travel	120 Degrees

Hydraulic Performances

Max. Working Pressure	140bar (2000psi)
Flow	0.5lpm to 6lpm (0.13gpm to 1.58gpm)
Fluid Type	Mineral: D N 51524, SO 11158, SO 6743-4 Synthetic: <u>Panolin</u> Atlantis, HLP-Synth
Viscosity	16cSt to 220cSt. VG 22-32 Recommended
Fluid Temperature	5-60°C (41-140°F)
Cleanliness Requirements	SO 4406:19/17/14, NAS 1638:8, AS4059:9A/8B/8C

Performances

Pan Torque	38Nm @ 140bar (28lbf.ft @ 2000psi)
Maximum Payload	12kgs (26.4lb)

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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