

Camera Boom

The 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 medium to large-sized work-class ROVs.



Features

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

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Technical Specifications

General

Degrees of Freedom	4
Materials	316 Stainless Steel, 6082 Aluminium, HDPE
Product Finish	Hard Anodised, Painted
Ports	1/8" BSPP (ISO 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°
Tilt Travel	120°

Hydraulic Performance

Max. Working Pressure	207bar (3000psi)
Flow	0.5lpm to 6lpm (0.13gpm to 1.58gpm)
Fluid Type	Mineral: DIN 51524, ISO 11158, ISO 6743-4
Viscosity	Synthetic: Panolin Atlantis, HLP-Synth
Fluid Temperature	16cSt to 220cSt. VG 22-32 Recommended
Cleanliness Requirements	5-60°C (41-140°F)

Performance

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