

HLK-4600PT

Pan & Tilt camera boom



The HLK-4600 Camera Boom Arm has been designed for pipeline inspection work. Using a pair of these arms, pipelines of up to 36" can be easily inspected.

Its unique design allows the camera mount to stay at the same angle through the entire 120° of angular movement of the arm, without any adjustment. The camera mount can be tilted through a 120° and rotated through 360°. The arm uses Hydro-Lek's standard HLK-1300 hydraulic cylinders and HLK-2150 Pan & Tilt.

Specifications

Product	HLK-4600PT Camera Boom
Country of origin	Sweden
Manufacturer	Saab Hydro Lek

Features and benefits

- Designed for inspection of pipelines up to 1mtr in diameter
- Camera position stable throughout 120° angular movement of arm
- Uses HLK-2150 pan & tilt unit
- Camera mount can be tilted through 20° and rotated through 360° interfaces.

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 Degrees
Tilt Travel	120 Degrees

Hydraulic Performances

Max. working pressure	140bar (2000psi)
Flow	0.51pm 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

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