

Su-30 MKI Installation Trolley - Hydraulics

CAPABILITY SHEET · FLANKER GSE · INDIGENISED · DELIVERED 2016

THE PRODUCT

WHAT	Hydraulic actuation package of the Su-30 MKI multipurpose installation trolley: a fabricated power beam that is also the 15 L reservoir, with twin independent 200 bar hand-pump lift circuits and end mounting flanges.
STATUS	Delivered 2016 to the Su-30 MKI fleet's Indian manufacturing and overhaul organisation - reverse-engineered from the in-service Russian-origin unit and built new to a complete Neometrix drawing set.
WHY	Import substitution for OEM-orphaned Flanker GSE: full GA / circuit / BOM documentation, components re-specified onto catalogue hydraulics procurable in India.

REFERENCE CONFIGURATION

DUTY	Raises 4,000 kg loads at no more than 44.5 kg of handle effort; 600 mm pump levers; 200 bar working pressure; hand power only - no flight-line utilities required.
CIRCUITS	Two fully independent circuits, one per lifting point: hand pump -> 15 micron filter -> non-return valve -> 4/3 lever DCV (63 lpm class, 315 bar) -> lift cylinder.
PROTECTION	Twin pressure relief valves; throttle-cum-check pair and needle-valve bypass for metered lowering; NRV load-holding the instant pumping stops.
HARDWARE	15 L reservoir integral to the beam with 40 micron filler-breather; 330 bar 3/8 in BSP hoses; steel pipe runs; heavy bolted end flange plates into the trolley structure.

ENGINEERING & ASSURANCE

REVERSE ENGINEERING	In-service unit surveyed at our works; drawing set rebuilt - GA, hydraulic circuit through three revisions, fitting layouts, BOM - enabling repeat manufacture and lifetime spares support.
SUPPORTABILITY	Every hydraulic component a standard catalogue item available in India; spares and overhauls become local purchase orders rather than foreign-exchange cases.
QUALITY	Built at our Noida works, with the design held as a complete Neometrix drawing set - GA, circuit, fittings, BOM - enabling repeat manufacture and lifetime spares support.

VARIANTS & ENGAGEMENT

VARIANTS	Repeat units of the delivered package; complete multipurpose installation trolleys (structure, running gear, hydraulics) engineered to order; indigenised rebuilds of other Russian-origin / OEM-orphaned GSE; powered hydraulic packs.
EXPORT	Flanker-family GSE support for export operators, subject to Government of India authorisation - ship the unit or its survey data and we rebuild the drawing set.
ENGAGEMENT	Send your requirement to sales@neometrixgroup.com - clause-by-clause compliance matrix and budgetary quotation within two working days.

DEFENCE PROGRAMMES DESK

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Reference configuration reflects the package delivered in 2016. All parameters re-scoped against the customer's requirement at proposal stage.