

THL 20

Turreted cannon for helicopters

KNDS





/ THL 20

main characteristics

Description

KNDS offers the THL 20 turret designed to be fitted to attack helicopters and upgrade helicopters initially intended for transport or observation. This turret has been developed around the architecture of the THL 30 turret and is fully integrated into the helicopter's weapon system. Slaved via a databus to aiming systems (headset sights, roof-mounted sight), it provides outstanding laying accuracy.

The THL 20 is developed around the 20 M621 cannon, widely known for its great versatility and firing the NATO-standard 20x102mm ammunition.

The THL 20's highly reduced integration requirements (weight, overall dimensions recoil force) and its simplicity (operation and maintenance) make it a turreted cannon which is ideally suited for upgrading existing helicopters.

Qualifications

Qualified on the IAR 330 helicopter built for the IAR Brasov company (Licence-produced Puma, SOCAT program)

Qualified on the Indian ALH and will be soon qualified on LCH

Already integrated on Black Hawk helicopter

Integration data of THL 20

Total weight	182kg
Electronics weight	23kg
Interface efforts	250daN
Dimensions (diameter)	710mm
Height	428mm

Performance of THL 20

Cannon	20mm 20 M621
Rate of fire	750rds / min
Ammunition	20x102
Velocity	More than 1000m / s
Mass of explosive / round	9g (HEI)
A large variety of ammunitions	TP / TP-T / HEI / HEI-T / AP-T
Slew rate	90° / s
Aiming limits:	
Azimuth	±110°
Elevation	-50° / +21°
Ammunition stowage capacity	750
Effective range	Up to 2000m
Average recoil force	250daN
Operating temperature	-54° / +74°C

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