



01 / SYSTEM OVERVIEW

SARAC 99

SARAC 99 Heavy Anti-Materiel Rifle



FIG 01 TRIPOD-MOUNTED CONFIGURATION

20 mm

CALIBRE

1600 m

EFFECTIVE RANGE

840 m/s

MUZZLE VELOCITY

3-5 rounds/min

COMBAT RATE OF FIRE WITH AIMING

01.1 / OVERVIEW

Shoulder-fired 20x110 mm anti-materiel rifle on an adjustable tripod, effective to 1600 m against ground and water-surface targets.

TYPE

Anti-materiel rifle

CALIBRE

20x110 mm

STANDARD

NATO

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

SARAC 99 / WEAPON SYSTEM

DIMENSIONS AND MASS

Calibre	20 mm
Total length with muzzle brake and compensator	1900 mm
Barrel length	1150 mm
Weight of rifle without magazine and optical sight	< 50 kg
Weight of magazine loaded with 7 rounds	< 3.5 kg
Weight of rifle with one combat set	< 65 kg

PERFORMANCE AND OPERATION

Muzzle velocity	840 m/s
Twist rate, left to right	381 mm
Maximal powder pressure	3500 bar
Combat rate of fire with aiming	3-5 rounds/min
Effective range	1600 m
Field of action in elevation without moving the tripod	-3 deg to +10 deg
Field of action in traverse	360 deg

CONFIGURATION AND SUPPORT

Ammunition used	20x110 mm Hispano (HE, HEI, HE-T, HEI-T, AP-T, TP-T, Blank)
Detachable magazine capacity	5 or 7 rounds
Ammunition combat set	3 magazines x 7 rounds = 21 rounds
Recommended optical sights	Kahles 624i or Shmidt Bender PM-II; other optical, passive or thermal imaging sights may also be used
Crew	3 (sniper, sniper assistant / spotter, and ammunition bearer)

ADDITIONAL TECHNICAL DATA

Penetration of armour-piercing round	25 mm steel plate at 200 m at 90 deg
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03 / CONFIGURATION VIEWS

CONFIGURATION VIEWS

SARAC 99 / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / field side profile



FIG 03 / rear three-quarter

