



## 4.6 x 30 mm SINTOX® Penetrator

4.6 x 30 mm Hartkern DM 11

- The first lead-free PDW ammunition
- Unique combination of good energy transfer and maximum penetration
- Universal performance on soft and hard targets
- Excellent substitute for 9 mm Ball
- NATO qualified and in service with the German Army



### Application:

The cartridge is designed for the MP7 (PDW = Personal Defence Weapon) of HK. The advantage of this ammunition is the combination of good energy transfer in soft targets (maximum penetration in bare gelatine

< 35 cm) and very good penetration (the cartridge will pierce the NATO CRISAT target at 200 m).



### Cartridge Data

weight:	6.5 g
case material:	CuZn - alloy
primer:	SINTOX®
propellant:	double base
projectile:	penetrator
projectile weight:	2.0 g
core material:	steel
jacket material:	CuZn - alloy
dimensions:	in accordance with CIP



### Technical Data

temperature range:	between -54°C and +52°C
velocity/energy at 0 m:	min. 685 m/s / 476 Joule
velocity/energy at 100 m:	505 m/s / 255 Joule
mean chamber pressure:	max. 400 MPa
penetration at 50 m:	mild steel plate 9 mm thickness
penetration at 200 m:	CRISAT target (1.6 mm titan plate + 20 layers of Kevlar)
penetration in gelatine bare	at 25: < 35 cm
accuracy at 100 m:	Ø 10 cm
effective range:	150 m
<b>Packing and Marking:</b>	In accordance with customers' requirements

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