





AMMUNITION WITH IDENTICAL „HE“ TYPE BALLISTICS

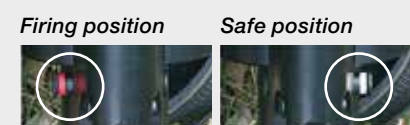
	60 MM Cdo PRACTICE		60 MM Cdo HE		60 MM Cdo SMK-WP		60 MM Cdo SMK-TTC
Filler inert Terminal effect Impact signature (only with life fuze).		Filler TNT Terminal effect Number of fragments > 3000 (> 800 with m > 0.18 g).		Filler White phosphorus Terminal effect Screening by fast smoke generation.		Filler Titanium tetrachloride Terminal effect Extraordinary fast generation of cold smoke.	

PYROTECHNIC AMMUNITION WITH IDENTICAL BALLISTICS

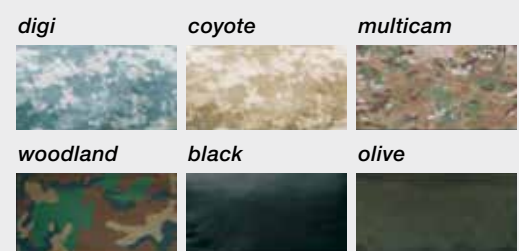
	60 MM Cdo ILL-VIS		60 MM Cdo ILL-IR
Terminal effect Luminosity visible: > 250000 cd Illuminating duration: 30 sec. Descent rate: 5.0 m/s		Terminal effect Illuminating duration: 40 sec. Descent rate: 5.0 m/s high infrared emission low visible emission	



Safety lock: Enables the user to move with a round in the barrel.



Choose your colour: The backbag is available in different colours and camos, to fit perfectly to your equipment.



Bag for auxiliaries



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The Mortar Company.



60 MM COMMANDO SYSTEM

M6 C-640 Mk1 |
60 MM COMMANDO AMMUNITION FAMILY

THE COMPREHENSIVE 60 MM SYSTEM

The unique HDS 60 mm System contains a state-of-the-art commando mortar and a complete ammunition family for every operational requirement. The weapon and the ammunition were designed to enable the modern soldier to use effective 60 mm mortar fire support from within the infantry group. The system is light to carry, easy to handle but still effective and accurate to deploy. The M6 C-640 Mk1, is the enhanced, combat proven version of the M6C 640 T which has been supplied worldwide it combines mobility and effectiveness in one fire support weapon system. Using a customized sighting system the weapon system is operational up to ranges of 2 km. In combination with the Cdo mortar ammunition family even higher ranges can be achieved.

The new **60 mm Cdo mortar ammunition family** has been specially designed for the use with the HDS M6C commando mortar, but can be deployed with any 60 mm bipod mortar or commando mortar which compares with the maximum gas pressure of the three HDS charges. The main design features of the **60 mm Commando ammunition rounds** are the customized tail section carrying only 3 increment charges, and the optimized shell body in respect of weight and design which maintains the ballistic characteristics for both spindle and canister forms.

Based on the current demand to reduce the soldier's burden and to enable the mortar group to carry more rounds of ammunition, HDS has developed the 60 mm Cdo ammunition family, which consists of standard types of ammunition, HE-TNT, TP-TM, SMK-TTC, SMK-RP, ILL-VIS and ILL-IR.



MODEL M6 C-640 Mk1

A weapon designed for quick reaction and reliability. The special handgrip with trigger and the new, improved, aiming device guarantee high accuracy. The M6C-640 Mk1 may be used up to charge 3.

BARREL AND BREECH CAP

The barrel and breech cap are made of high-strength special steel. They are forged, heat treated and machined to close tolerances. The barrel is provided with hand protection.

AIMING DEVICE

The HDS aiming device enables the operator to set the elevation of the mortar according to a range scale in meters without additional calculation. It is watertight and contains several range scales, a LED illumination system, a power management system with a single AA type battery and one circular bubble to aim the mortar.

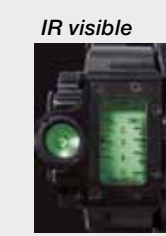
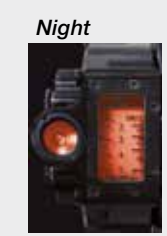
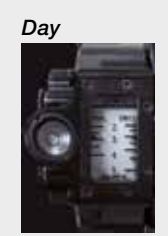
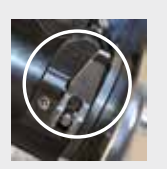
TRIGGER

User friendly recocking mechanism.

Base Plate: The base plate is made of a high-strength aluminium alloy with a steel spike in the centre for hard ground. Additional the M6 C-640 Mk1 comes with a rectangular shaped base plate, especially for use on soft ground.

Quick change System: The quick change system allows to change the base plates in less than 10 sec without tools.

Range scale: The aiming device comprises a range scale in metres for Hirtenberger HE-type mortar bombs (charge 0, 1, 2, and 3), Hirtenberger ILL-type bombs (charge 1, 2, and 3) as well as an elevation scale in MILS.



TECHNICAL DATA	M6 C-640 Mk1				
Calibre	60 mm				
Max. range	HE Mk2: 1921 m / Mk2-S: 2009 m / Cdo: 2360 m				
Max. rate of fire (with two operators)	30 / min				
Max. operating gas pressure	30 MPa				
Dimensions:					
Weight	6.4 kg				
Overall length	840 mm				
Ballistic length	640 mm				
Weight bag for auxiliaries	3.1 kg				
Weight backpack	3.3 kg				
Space required with backpack	835 x 385 x 255 mm				
	60 MM Cdo HE	60 MM Cdo SMK-WP	60 MM Cdo SMK-TTC	60 MM Cdo ILL-IR	60 MM Cdo ILL-VIS
Weight	1.25 kg	1.25 kg	1.25 kg	1.25 kg	1.25 kg
Length	255 mm	255 mm	255 mm	345 mm	345 mm
Weight Payload	205 g	205 g	212 g	-	-
Number of Charges	3	3	3	3	3
RANGE TABLES M6 C-640 Mk1		MIN RANGE (1422 MILS) / MAX RANGE (800 MILS) EJECTION HEIGHT 250 M FOR ILL-TYPES BALLISTICS			
Charge 0	280 - 810 m	280 - 810 m	280 - 810 m	-	-
Charge 1	420 - 1220 m	420 - 1220 m	420 - 1220 m	380 - 940 m	380 - 940 m
Charge 2	590 - 1720 m	590 - 1720 m	590 - 1720 m	530 - 1430 m	530 - 1430 m
Charge 3	810 - 2360 m	810 - 2360 m	810 - 2360 m	740 - 2060 m	740 - 2060 m

Due to continuous technical improvement this product is subject to modification

