AMMUNITION WITH IDENTICAL "HE" TYPE BALLISTICS

**60 MM Cdo PRACTICE**
- Filler: PYROTECHNIC AMMUNITION WITH IDENTICAL BALLISTICS
- Terminal effect: Ignites igniter
- Impact signature: Pyrotechnic effect
- Illuminating duration: 30 sec.
- Descent rate: 5.0 m/s
- High infrared emission
- Low visible emission

**60 MM Cdo HE**
- Filler: TNT
- Terminal effect: Number of fragments: >3000, >800 each
- Descent rate: 5.0 m/s
- High infrared emission

**60 MM Cdo SMK-WP**
- Filler: White phosphorus
- Terminal effect: Screening by fast smoke generation
- Illuminating duration: 30 sec.
- Descent rate: 5.0 m/s
- High infrared emission

**60 MM Cdo SMK-TTC**
- Filler: Titanium tetrachloride
- Terminal effect: Extraordinary fast generation of cold smoke
- Illuminating duration: 40 sec.
- Descent rate: 5.0 m/s

PYROTECHNIC AMMUNITION WITH IDENTICAL BALLISTICS

**60 MM Cdo ILL-VIS**
- Terminal effect: Luminance, volume: >25000 cd/la
- Illuminating duration: 30 sec.
- Descent rate: 5.0 m/s
- High infrared emission (visible with white smoke)

**60 MM Cdo ILL-IR**
- Terminal effect: Luminance, duration: 60 sec.
- Illuminating duration: >25000 cd
- Descent rate: 5.0 m/s
- High infrared emission (invisible to visible emission)

The Mortar Company.
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 in overall weight, easy-to-handle, yet still effective and accurate to deploy. The HDS C-640 Mk1, is the enhanced, combat proven version of the HDS 60 (M4) with shape-effectiveness and effectiveness in the support weapon system. Using a customized sighting system the weapon system is operational up to ranges of 2 km, in combination with the 60 mm 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 M6C3 commando mortar, but can be designed with any 60 mm bipod mortar, commando mortar which can cope with the maximum gas pressures 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 small body in respect of weight and design which maintains the ballistic characteristics of both spin-stab 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-TP, TP-TM, SMK-TTC, SMK-RP, ILL-VIS and ILL-IR.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>M6 C-640 Mk1</th>
<th>60 mm HE</th>
<th>60 mm Cdo</th>
<th>60 mm Cdo</th>
<th>60 mm Cdo</th>
<th>60 mm Cdo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calibres</td>
<td>60 mm</td>
<td>60 mm</td>
<td>60 mm</td>
<td>60 mm</td>
<td>60 mm</td>
</tr>
<tr>
<td>Max. range</td>
<td>1921 m</td>
<td>2009 m</td>
<td>2360 m</td>
<td>2360 m</td>
<td>2360 m</td>
</tr>
<tr>
<td>Max. rate of fire (with two operators)</td>
<td>30 / min</td>
<td>30 / min</td>
<td>30 / min</td>
<td>30 / min</td>
<td>30 / min</td>
</tr>
<tr>
<td>Max. operating gas pressure</td>
<td>30 MPa</td>
<td>30 MPa</td>
<td>30 MPa</td>
<td>30 MPa</td>
<td>30 MPa</td>
</tr>
</tbody>
</table>

Dimensions (mm):
- Weight: 6.4 kg
- Overall length: 840 mm
- Ballistic length: 640 mm
- Weight bag for accessories: 3.1 kg
- Weight backpack: 3.3 kg
- Space required with backpack: 835 x 385 x 255 mm

**RANGE TABLES**

<table>
<thead>
<tr>
<th>M6 C-640 Mk1</th>
<th>MIN RANGE (1422 MILES) / MAX RANGE (800 MILES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge 0</td>
<td>280 - 410 m / 530 - 940 m</td>
</tr>
<tr>
<td>Charge 1</td>
<td>420 - 1220 m / 630 - 2060 m</td>
</tr>
<tr>
<td>Charge 2</td>
<td>590 - 1720 m / 740 - 2960 m</td>
</tr>
<tr>
<td>Charge 3</td>
<td>810 - 2350 m / 940 - 3350 m</td>
</tr>
</tbody>
</table>

Due to continuous technical improvements the product is subject to modifications.