# FWP Ammunition

**ANNEX C-81**

| | |
|---|---|
| **FIELD of AMMUNITION** | *Aerial ammunition – rockets* |
| **CALIBER WARHEAD/BODY** | *80/82 mm* |
| **NAME** | *High Explosive Anti-Tank - Fragmentation Aerial Unguided Rocket* |
| **TYPE** | *HEAT-FRAG* |
| **NAME/ASSIGNED MARK (original)** | *C-8KO, KOM* |
| **COUNTRY of ORIGIN** | *Union of Soviet Socialist Republics* |
| **DEPLOYMENT METHOD** | *Launched from launchers (aircrafts or helicopters): Б-8М1, Б-8В20, Б-8В20А and Б-8В7* |

***C-8K***

| **abbreviation** | *C-8KO* | *C-8KOM* |
|---|---|---|
| **weight [*kg*]** | *10.8 – 11.7* | *10.8 – 11.7* |
| **length without wings [*mm*]** | *1565* | *1570* |
| **weight of warhead [kg]** | *3.60* | *3.60* |
| **wingspan diameter [*mm*]** | *384* | *384* |
| **type of explosive** | *A-IX-10* | *A-IX-10* |
| **weight of charge [*kg*]** | *0.95* | *0.90* |
| **number of fragments (3 g and more) [*pcs*]** | *400* | *400* |
| **penetrates the impact angle of 90° [*mm*]** | *400* | *400* |
| **type of propellant** | *BHK-K* | *BHK-P* |
| **weight of propellant [*kg*]** | *3.10* | *3.10* |
| **weight of igniter [*kg*]** | *0.11* | *0.11* |
| **weight of black powder of igniter [*kg*]** | *0.015* | *0.015* |
| **burning time of the rocket motor [*s*]** | *0.45 – 1.20* | *0.65 – 1.50* |
| **maximum velocity [$m.s^{-1}$]** | *570* | *600* |
| **range of application (of fire) [*m*]** | *1100 - 4000* | *1300 - 4000* |
| **type of fuse** | *B-5KII1* | *B-5KII1* |

**PACKING**

| | | | |
|---|---|---|---|
| **Number of rockets** *C-8KO* **or** *C-8KOM* **in the crate** | *4* | **Weight of full crate [kg]** | *68* |

**DESCRIPTION**

*C-8KO, KOM - the rockets with HEAT effect and fragmentation effect. It is designed for destroying ground armoured targets as well as the manpower of the enemy. These rockets - projectiles consists of warhead (B) with fuse (A), rocket motor (C).*

**COLOR and MARKING**

| | |
|---|---|
| **Body colour:** | *Nozzle and wings are black; part warhead is grey and galvanized; rocket motor is grey.* |
| **Text colour:** | *Black* |

**SAFETY CONSIDERATION THREAT**

*Do not touch and not move unexploded rocket projectile.*

**FUSE**

| **Type** | **Characteristic** |
|---|---|
| *B-5KII1* | *Fuse is head, gusty, with immediate effect, remote arming and self-destruction with mask safety.* |

**NOTICE**

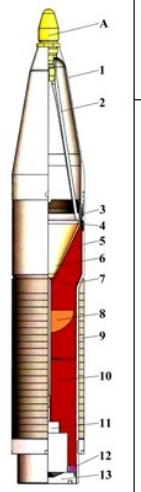
*The rockets have 6 stabilizing wings (14). Carriers are Cy-24, Cy-25, Cy-27, Cy-30, МиГ-21, МиГ-27, МиГ-29, Mu-8, Mu-24, Mu-28, Ka-50, Ka-52, etc.*



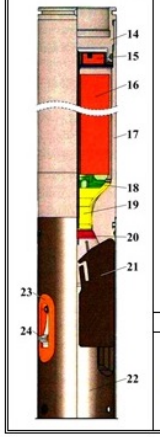


**DRAWINGS/CUTAWAY/MARKING/STENCILING**

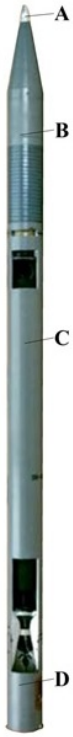
**WARHEAD**




**ROCKET MOTOR**








**IN FLIGHT**

**IN MANIPULATION POSITION**

**LEGEND**

*A – Fuse - impact area - piezo generator;*
*B – Warhead;*
*C - Rocket motor ;*
*D – Transport cover with electrical contacts;*

*1 - Aerodynamic cover;*
*2 - Cone; 3 – Nut;*
*4 - Insulating ring ; 5 – Case;*
*6 – Shaped charge liner (cumulative insert);*
*7 – Cumulative explosive charge; 8 - Shielding insert;*
*9 - Fragmentation packing;*
*10 - Explosive charge;*
*11 – Fuse - bottom area - locking and ignition mechanism; 12 – Nut;*
*13 – Bottom; 14 – Front bottom;*
*15 - Initiator of rocket motor;*
*16 – Propellant of rocket motor;*
*17 – Body of rocket motor;*
*18 - Grate;*
*19 - Rocket motor nozzle;*
*20 - Electrical harness with membrane; 21 – Wing;*
*22 – Cover; 23 – Bunk;*
*24 - Contact spring;*
*25 – Cross-section of propellant element of rocket motor;*
*26 – Russian air index of cumulative – charge fragmentation warhead;*
*27 - Type of projectile;*
*28 - Series - year of manufacture of warhead;*
*29 – Type of explosive;*
*30 - Type of fuse;*
*31 – Type of rocket;*
*32 - Series - year of manufacture of rocket;*
*33 - Type of propellant;*
*34 - Series - year of manufacture of propellant;*
*35 - Russian air index of rocket motor;*
*36 - Series - year manufacture of rocket motor propellant*