



## 81 mm (Split Ring Ans Flake)



PROPELLANT AND HIGH EXPLOSIVES

### General

These increments charges are fired by all 81mm mortars. There are kinds of double-base propellants containing NC, NG, plasticizer and stabilizer.

#### Packing Split Ring

It is charged in Viscose rayon ring shape bag, and each set is packed inside PE bags.

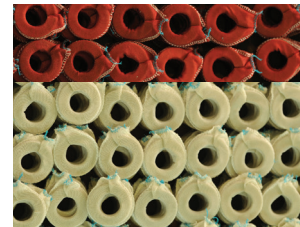
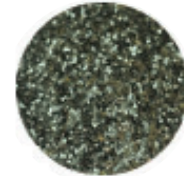
**Packing flake:** It is charged in horseshoe celluloid and each set is packed inside PE bags.

**Storage:** Should be stored in -10 up to +30°C

**Shelf life:** 15 years (min)

### TECHNICAL SPECIFICATIONS

Form	Split ring	Flake	Split ring LR
Dimension(mm)	-	2.5 × 2.5	-
Inner Diameter(mm)	32.2 ± 1	-	29.0 ± 1
Outer Diameter(mm)	60.5 ± 1	-	53 ± 1
Web thickness (mm)	0.27 - 0.33	0.25 ± 0.3	0.44-0.48
Moisture (%)	< 0.5	< 0.5	< 0.5
Heat of explosion (cal/gr)	1250 ± 20	1250 ± 20	1250 ± 20
Stability at 120°C(min)	≥ 40	≥ 40	≥ 40



### BALLISTIC SPECIFICATIONS

	81mm	81mm LR
Total charge (gr)	~100 (ch 6)	~150 (ch 6)
Velocity at 21°C (m/s)	286 ± 3	310 ± 4
Std. Dev. of Velocity at 21°C (m/s)	≤ 1.5	≤ 1.5
Max. pressure at 21°C (bar)	790	790



**Note:** Another kind of increment charges are produced for 81mm mortar with single-base propellant (M10) charged in horseshoe celluloid.

