



**iNSTA**

# Insta Steel Burst™

Fragmentation  
charge



[insta.fi/steel](https://insta.fi/steel)

# Insta Steel Burst™

## Unique and powerful fragmentation charge

Battlefield requirements change constantly. Therefore, new effective systems to adapt to this change are needed. Insta has developed an innovative product to support active defence tactics.

Effective Steel Burst™ can be integrated into different UAV configurations. The charge has four threaded insert M6 attaching points. The charge can be detonated with any No. 8 type detonator.

Attached to drone, charge delivers effective, directionally based impact and is extremely accurate against soft and light armored targets.

## Technical specifications



Weight: 3.6 kg (+/- 100 g) / 7.9 lbs

Dimensions (DxH): 240 x133 mm

Attachment: Attaching points on the top,  
4 pcs threaded insert M6.

Projectiles (amount): 3 000

Fragmentation effect: Scalable

Opening angle: > 90°

Type of fragment: Steel/Tungsten. Can be modified.

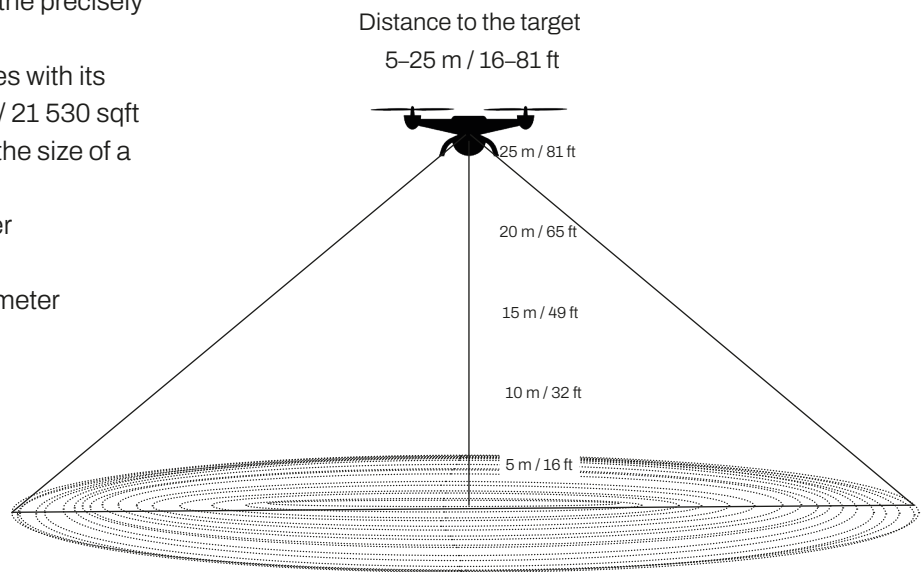
Fragment diameter: 3.7 mm / 0.14 inch

Maximum effectivity: The charge is over 4 times more  
effective than a 120 mm traditional  
mortar.



# Maximum effectivity with UAV configurations

- The charge kinetic power is based on the precisely directed fragmentation effect.
- The charge comprises 3 000 projectiles with its impacting radius covering a 2 000 m<sup>2</sup> / 21 530 sqft area (1.5 projectiles/m<sup>2</sup>), which is 1/3 the size of a football field.
- Steel fragment with a 3.7 mm diameter penetrates plus 2 mm steel.
- Tungsten fragment with a 3.7 mm diameter penetrates plus 5 mm steel.



## Impact range

- 5 m / 16 ft - 80 m<sup>2</sup> / 861 sqft - 38 projectiles / m<sup>2</sup>
- 10 m / 32 ft - 300 m<sup>2</sup> / 3 229 sqft - 9.5 projectiles / m<sup>2</sup>
- 15 m / 49 ft - 700 m<sup>2</sup> / 7 534 sqft - 4.2 projectiles / m<sup>2</sup>
- 20 m / 65 ft - 2000 m<sup>2</sup> / 21 527 sqft - 1.5 projectiles / m<sup>2</sup>
- 25 m / 81 ft - 3000 m<sup>2</sup> / 32 291 sqft - 1 projectile / m<sup>2</sup>



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