

JK Anti-Riot Shield



Your Vision is Our Mission.



Colour: Black

Shape: Octagonal

Material: Polycarbonate / Carbon Fiber / Aluminum Alloy

Weight: ≤ 2.1 kg ($\pm 1\%$)(depends on material, waist magnetic suspension system is not included)

Side Length: 210 ± 5 mm each side

Projection Width: 550 ± 5 mm

Protection Area: ≥ 0.220 m²

Features & Specification:

1) Seamless Connection

The shield body of JK Riot Shield is in one whole piece without using any screw.

2) Connection Strength

The connecting parts of holding device and the connecting parts of holding device to shield body can withstand a pulling force greater than or equal to 500N. After the test, there should be no falling off, loosening, tripping or breaking.

3) Impact Strength

JK Riot Shield can withstand the impact of 147J kinetic energy, and there will be no penetration holes or penetrating cracks outside the radius of 50mm of the force point after the impact.

4) Anti-stab Strength

JK Riot Shield should be able to withstand 147J kinetic energy stabbing. After stab the force point will not have greater than 6mm diameter piercing or penetrating cracking within radius of 20mm from the force point.

5) Anti-punch Strength

JK Riot Shield can withstand a hit with linear speed of $18\text{m/s} \pm 0.3\text{m/s}$ in energy of $342\text{J} \pm 13\text{J}$. After hit, the shield body will not be broken nor have a penetrating cracking greater than 50mm length. The maximum depression depth of the shield body after the hit should be less than or equal to 30mm.



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Features & Specification (Cont'd):

6) Anti-cut Strength

The upper edge of JK Riot Shield (the upper four edges corresponding to the word “police” when standing) should be able to resist striking/cutting with speed of $8.5\text{m/s} \pm 0.5\text{m/s}$ in energy of 100J. The depth of cutting marks after the test should be less than or equal to 50mm.

7) Coating Adhesion

For riot shield with coating, the coating adhesion should be no less than requirement of GB/T 9286-1998, level 3.

8) Flame Retardant

The afterburn time of the outer surface of JK Riot Shield should be less than or equal to 10 seconds.

9) Temperature Adaptability

- High Temperature: Under the condition of ambient temperature of 55°C , JK Riot Shield should meet the impact resistance strength requirements.
- Low Temperature: Under the condition of ambient temperature -30°C , JK Riot Shield should meet the impact resistance strength requirements.

10) Retaining Arm Guard

- The retaining arm guard is made of plastic, rubber and magnets, and can be used with the shield handle to form a temporary two-handed grip.
- The retaining arm guard can provide hands-off protection, and can be detached from the shield to self-protect when the shield is snatched or twisted. When the end of the retaining arm guard is subjected to a pulling force of $\geq 70\text{N}$, the opening of the end should be $\geq 60\text{mm}$.

11) Waist magnetic suspension system

- The magnetic function of retaining arm guard and belt accessory produces an anti-snatch feature. With combination of these two, the axial separation force can be $\geq 100\text{N}$.
- The shield can be attached to the belt accessory through retaining arm guard magnet and hung on the waist. The automatic combination distance between the retaining arm guard magnet and the waist suspension part is $\leq 50\text{mm}$.



Waist magnetic suspension system together with retaining arm guard can maximize mobility and functionality.



Magnetic accessory can be set on belt, or other equipment to help holding or storage of JK Riot Shield.

