

# PRODUCT

## 产品介绍

### 低碳钢丸 / Low Carbon Steel Shot

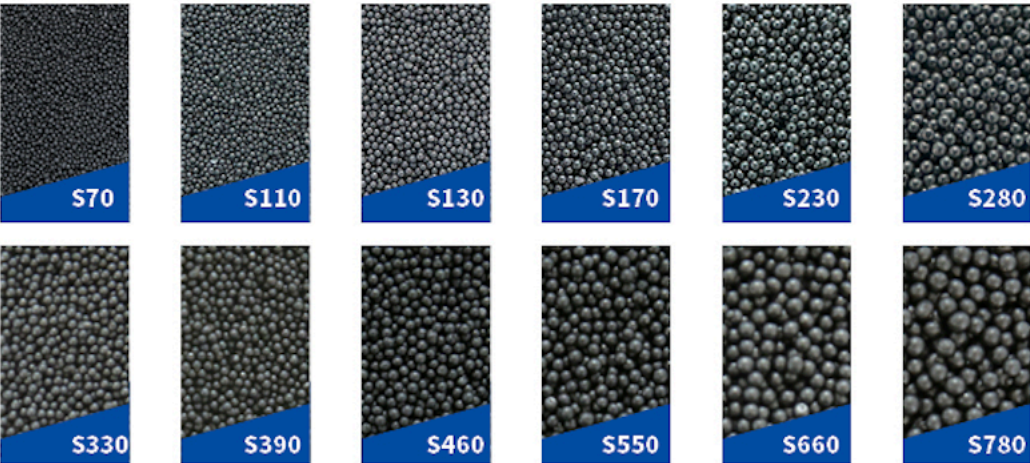
低碳钢丸是一种高韧性、高寿命金属磨料，专为连续式、高效率抛丸生产设计。  
相比传统高碳钢丸，低碳钢丸具有更好的抗冲击性能和颗粒稳定性，在长期循环使用过程中保持较低破碎率和较少粉尘产生，有效降低磨料消耗和生产成本。

Low Carbon Steel Shot is a high-toughness, long-life metallic abrasive designed for continuous and high-efficiency blasting operations. Compared with traditional high carbon steel shot, it offers better impact resistance, lower breakdown rate, and less dust generation during repeated use, helping reduce abrasive consumption and overall production costs.

- 产品优势：**
- 低破碎率，使用寿命长：优异的韧性使钢丸在多次冲击后保持完整颗粒形态，减少补充频率。
  - 减少粉尘产生：降低钢丸破碎产生的粉末，提高工作环境和抛丸效果。
  - 稳定清理性能：保持均匀粒度和稳定冲击力，确保连续生产中的一致表面质量。
  - 降低综合成本：减少磨料消耗和设备维护，提高生产效率。

**Product Advantages:**

- Low Breakdown Rate & Long Service Life: Excellent toughness maintains particle integrity and extends service life.
- Less Dust Generation: Reduces broken particles and improves blasting efficiency.
- Stable Cleaning Performance: Consistent size distribution and impact performance ensure uniform surface treatment.
- Lower Operating Cost: Reduces abrasive consumption and equipment maintenance costs.



### 产品规格 / Product Specifications

| 项目<br>(Item)                      |        | 低碳钢丸<br>Low Carbon Steel Shot                                              |                  |
|-----------------------------------|--------|----------------------------------------------------------------------------|------------------|
|                                   |        | SAEJ2175                                                                   | ISO11124/GB18838 |
| 化学成分<br>(Chemical Composition)    | 碳 / C  | 0.10-0.15%                                                                 | 0.08-0.20%       |
|                                   | 锰 / Mn | 1.20-1.50%                                                                 | 0.35-1.50%       |
|                                   | 硅 / Si | 0.10-0.25%                                                                 | 0.10-2.00%       |
|                                   | 硫 / S  | 0.035% max.                                                                | 0.05% max.       |
|                                   | 磷 / P  | 0.035% max.                                                                | 0.05% max.       |
| 硬度<br>Hardness (HRC)              |        | 通常 HRC 40-51 (Commonly HRC 40-51)                                          |                  |
| 金相组织<br>(Metallurgical structure) |        | 贝氏体组织 (Bainite structure)                                                  |                  |
| 密度<br>Density (g/cm³)             |        | ≥ 7.2g/cm³                                                                 |                  |
| 形状<br>(Shape)                     |        | 圆形 / 球形 (Round / Spherical)                                                |                  |
| 定制<br>(Customization)             |        | 可根据需求提供尺寸、硬度及包装定制<br>(Size, hardness and packaging available upon request) |                  |