

# Technical Specification Sheet

Detailed technical specifications for key spare parts used in MSW Stone Crusher's machinery. The specifications listed are essential for ensuring the durability and performance of the equipment.

## 1. Jaw Crusher Parts

### Jaw Crusher Plate

- **Material:** High manganese steel
- **Dimensions:** 1000x500x60 mm
- **Weight:** 120 kg
- **Hardness:** 50-55 HRC
- **Application:** Primary crushing of abrasive rock and mineral ores.

### Jaw Crusher Flywheel

- **Material:** Cast steel
- **Diameter:** 800 mm
- **Weight:** 150 kg
- **RPM:** 250-300 RPM
- **Application:** Provides rotational energy balance during crushing operations.

## 2. Cone Crusher Parts

### Cone Crusher Mantle

- **Material:** High manganese steel
- **Diameter:** 700 mm
- **Weight:** 130 kg
- **Hardness:** 55-60 HRC
- **Application:** Resists abrasive wear for extended service life in medium to hard material crushing.

### Cone Crusher Concave

- **Material:** High manganese steel
- **Diameter:** 700 mm
- **Weight:** 110 kg
- **Hardness:** 55-60 HRC
- **Application:** Works with the mantle to form the crushing cavity.

## 3. Impact Crusher Parts

### Impact Crusher Blow Bar

- **Material:** Chrome steel
- **Dimensions:** 500x150x50 mm
- **Weight:** 95 kg
- **Hardness:** 60-65 HRC
- **Impact Strength:** 300-350 J/cm<sup>2</sup>
- **Application:** Suitable for crushing medium-to-high abrasive materials.

### Impact Crusher Side Liner

- **Material:** Wear-resistant alloy
- **Dimensions:** 800x200x40 mm
- **Weight:** 80 kg
- **Hardness:** 58-62 HRC
- **Application:** Protects the crusher housing from wear during operations.

## 4. Hammer Crusher Parts

### Hammer Crusher Rotor

- **Material:** Carbon steel
- **Diameter:** 800 mm
- **Weight:** 160 kg
- **RPM:** 500-600 RPM
- **Application:** Provides rotational force for the hammer impact crushing process.

### Hammer Crusher Hammer

- **Material:** High manganese steel
- **Dimensions:** 300x100x50 mm
- **Weight:** 50 kg
- **Hardness:** 55-60 HRC
- **Application:** Designed for high impact resistance and wear during crushing.

## 5. Fine Crusher Parts

### Fine Crusher Rotor

- **Material:** Alloy steel
- **Diameter:** 900 mm
- **Weight:** 180 kg
- **RPM:** 600-800 RPM
- **Application:** Provides high rotational speed for fine crushing of materials.

### Fine Crusher Blades

- **Material:** Hardened alloy
- **Dimensions:** 400x100x20 mm
- **Weight:** 25 kg
- **Hardness:** 60-65 HRC
- **Application:** Suitable for fine crushing of softer materials and aggregate.

## 6. Mobile Crusher Parts

### Mobile Crusher Chassis

- **Material:** Steel alloy
- **Dimensions:** 5.5m x 2.5m
- **Weight:** 2000 kg
- **Application:** Supports the entire mobile crushing structure, providing stability and mobility.

### Mobile Crusher Track Shoe

- **Material:** Heat-treated steel
  - **Length:** 800 mm
  - **Weight:** 50 kg each
  - **Hardness:** 48-52 HRC
  - **Application:** Provides wear resistance for tough terrain conditions.
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**For more information or to request customized specifications, please contact us at:**

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