

Single Cylinder Cone Crusher Key Features

Key functional points for hydraulic adjustment, cavity clearing, laminated crushing, and secondary/tertiary crushing line matching.

Feature	Technical Meaning	Practical Benefit
One main hydraulic cylinder	Combines adjustment, protection and cavity clearing functions	Simpler structure and easier operation
Hydraulic CSS adjustment	Controls the discharge opening by hydraulic system	Helps maintain output size and product gradation
Hydraulic cavity clearing	Opens the crushing chamber after blockage or overload	Reduces downtime and manual clearing work
Compact structure	Fewer hydraulic control points than multi cylinder designs	Easier installation and maintenance
Laminated crushing chamber	Material is compressed between mantle and concave	Supports better particle shape and crushing efficiency
Suitable for secondary and tertiary crushing	Works after jaw crusher or primary crusher	Fits quarry, aggregate and hard rock production lines

Note: CSS means closed side setting. In cone crusher operation, CSS directly affects output size, product gradation, capacity, power load, and liner wear.