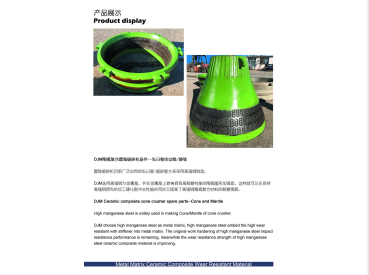
Ceramic Composite Cone Crusher Mantle

This cone crusher mantle utilizes a high manganese steel matrix. High wear-resistant ceramic stiffeners are embedded within the matrix to improve wear resistance.



Product Overview

Advanced Composite Wear Technology

This ceramic composite cone crusher mantle is engineered to significantly extend wear life in demanding crushing environments. By utilizing a high manganese steel metal matrix embedded with high-wear-resistant ceramic stiffeners, it delivers superior durability compared to standard components. The design effectively combines the impact resistance and work-hardening properties of manganese steel with the enhanced hardness of ceramic reinforcement.

Material Composition

Metal Matrix	High Manganese Steel
Reinforcement	Ceramic Stiffeners

Key Features

Performance Features

- Enhanced wear resistance
- Maintains original work hardening properties
- Retains high impact resistance
- Extended service life

Applications	Cone Crushers, Heavy-duty Crushing, Mining Equipment