

ROTARY FEED DISTRIBUTOR

(For medium and fine crushing)
To make raw material fed evenly to the whole circumference of crushing chamber and thus prevent abnormal wear of mantle and concave.

MAIN SHAFT

Made of SCM4 and homogenised to ensure high strength.

MANTLE CORE

Made of alloy steel casting with heat treatment to ensure high strength.

CONCAVE RING & TAPER BLOCKS

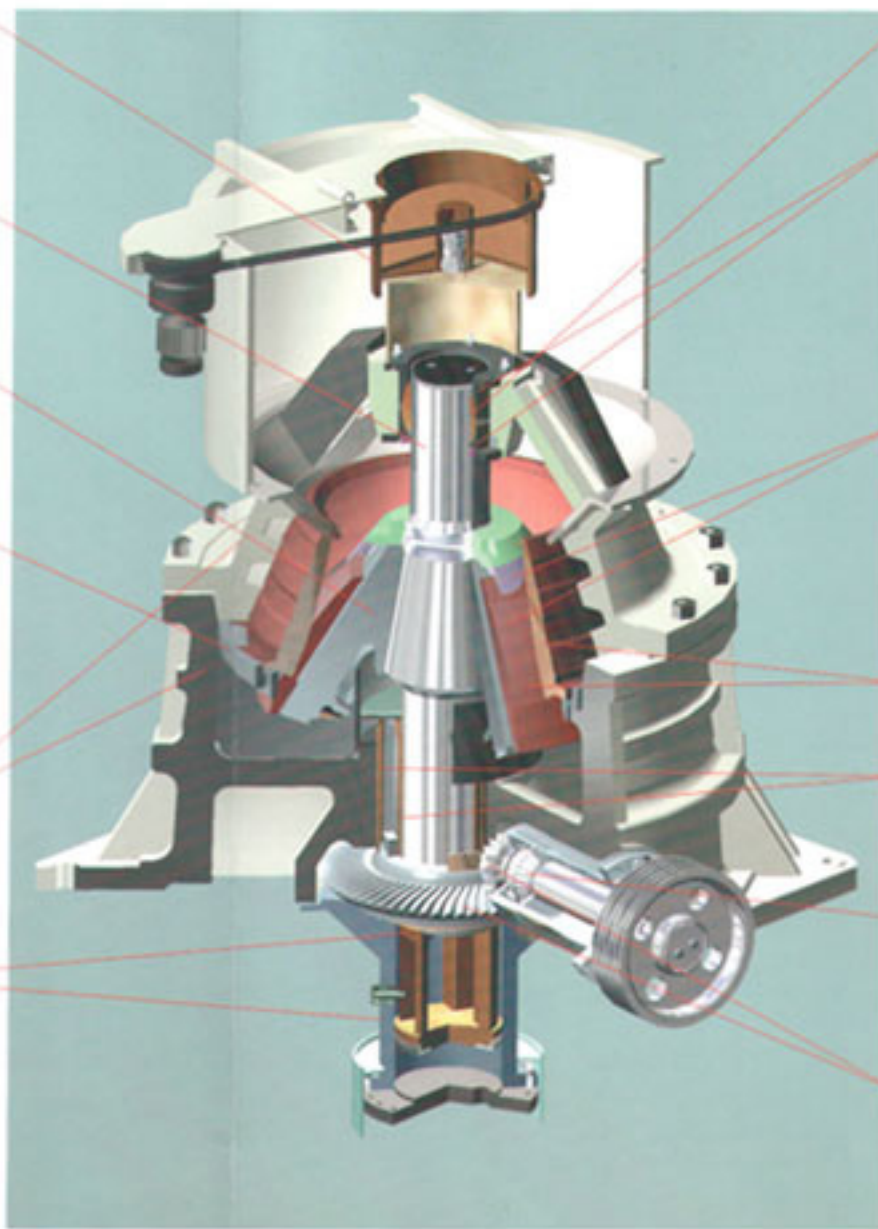
A set of device by using two taper blocks with tightening direction is same of concave rotating direction while crushing to make concave self tightening during crushing.

UPPER AND LOWER FRAME

No spring or hydraulic cylinder around frame, so it won't be affected due to gravels or dust pile up around frame.

CYLINDER AND PISTON

In order to prevent the abrasion of sliding surfaces of cylinder by V-packing lip and keep the oil sealness, the inner wall of cylinder is coated with hard chromium and then ground. Piston is provided with multi-staged V-packing for high pressure oil at the lower part, therefore lubrication oil and hydraulic oil will not mix with each other.



SPIDER BEARING

Positioned to support main shaft while it rotates.

UPPER & LOWER SPIDER BEARING BLOCK

Designed into upper & lower block with adjusting gap in between. When spider bearing wearing occurs, a simple way of tightening adjust bolts instead of replacement of spider bearings is achieved. This way 3 to 5 times of spider bearing life is achieved compared to conventional bearing wear.

CUTTING RING AND MANTLE

Special designed contact surface of cutting ring and mantle make the mantle become more and more tight automatically while crushing. 4 Equal divided cutting rings make the replacement of mantle become easy by just removing and installing back cutting ring without loosening compression nut.

MANTLE AND CONCAVE

High manganese steel casting.

INNER BRUSH AND OUTER BRUSH

Made of high lead copper alloy to improve the lubrication effectiveness due to the existence of lead.

COUNTER BEARINGS

A counter shaft is supported by two tapered roller bearings with oil bath system to absorb the axial force caused by bevel gear sets.

SPIRAL BEVEL GEARS

Forged spiral bevel gear sets used as power transfer mechanism to reduce noise and enhance strength.