

Three Main Parts of Ball Mill

Great Wall Cast Steel Co., Ltd. is a 60-year experience and advanced technology of steel manufacturers. Now our engineer will give a brief introduction about the three main parts of ball mill. The three parts are as follows, feeding part, discharge part and transmission part.

1. Feeding part: This part consists of end cap with hollow shaft neck, united feeder, sector lining plate and axis neck inner housing. The hollow shaft neck can protect the axis neck inner surface from wearing by feeding. The inner surface of the inner housing is equipped with screw which contributes to feeding. The feeder is fixed at the end of the inner housing by bolt. Generally, the united feeder is the first choice, followed by the drum feeder and the snail feeder.



Weight : 5-30 t

Material : ASTM: 1025 / DIN: CK25

Applicable device: Ball Mill, Tube Mill, rod mill

Application: Cement, metallurgy, building material and others

Customizable : Yes



2. Discharge part: This part consists of end cap of **hollow shaft**, grid lining plate, wedge, centre lining plate, and axis neck inner housing. There are eight actinoid fillets, acting as the isolation board. There is grid lining plate between the fillets which is fixed by wedge. The wedge is fixed onto the end cap by screw passing through the fillet on the wall. The front edge of the lining plate holds up all grid lining plates in the central part. The inner housing of the hollow shaft neck is made into the broadening formation blade on one end of the discharge grid to lead the pulp washed by isolation board to flow out with the blades. All the discharge part and the feed part are fastened on the cylinder flange.

3. Transmission part: This part consists of **gear wheel**, pinion, drive shaft, and elastic coupling. The grinding mill cylinder is driven by gear assembly, electric motor and coupling. The gear assembly consists of gear ring on the discharge end of the cylinder and drive gear. The drive gear is equipped on the drive shaft which rest on the two double-row ball self-aligning bearing in the bearing block. The gears are covered by the dust cap totally.





Weight: 10~35T

Applicable devices: rotary kiln, ball mill

Application: Cement, building material, metallurgy etc.

Customizable or not: Yes

Girth gear,also called gear ring or gear wheel.Large Diameter Internal Ring Gears For Heavy Duty Equipment , High Precision Gears Big Size

Girth gear with super large diameter,the module is more than 10mm. This kind is suitable for rotary kiln and ball mills as transmission gear.It's normally fixed in the outer sphere of the metal shell.

CSM is professionally manufacturing girth gears through sand casting and fine machining.We are goodish competitive in producing the module of gear 10mm to 40mm max.

