

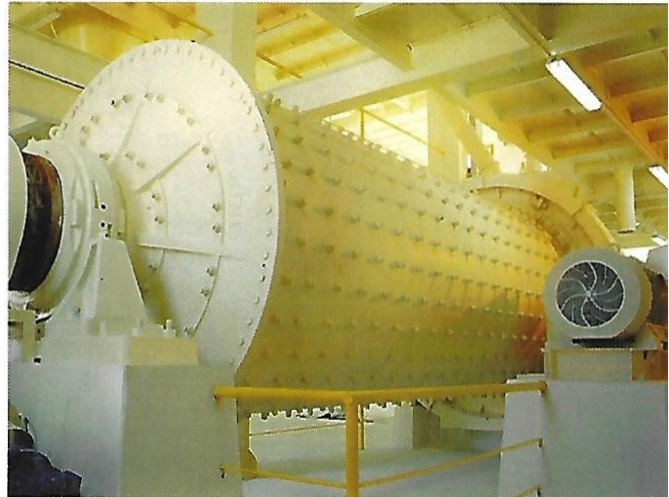
## Ball Mill

### Application:

- ,... Mineral powders
- ,... Construction materials
- ,... Refractory materials
- ,... Ceramic fillers
- ,... Chemical products

### Performance:

Drive power: from 15 to 3.000 kW  
Mill sizes: Dia from 1 m to 5m  
Length from 2 m to 10m



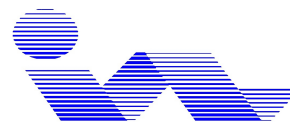
### Features:

- ,... Robust construction with controlled manufacturing quality
- ,... Various lining materials
- ,... Various shapes and materials for grinding media
- ,... Also special designs are possible
- ,... Pre assembled for fast erection
- ,... Low costs for foundation on site

### Typical Mill Configurations:

Grate discharge ball mills  
Airswept ball mills  
Overflow discharge ball mills  
Conical airswept ball mills  
Conical overflow discharge ball mills  
End peripheral discharge rod mills

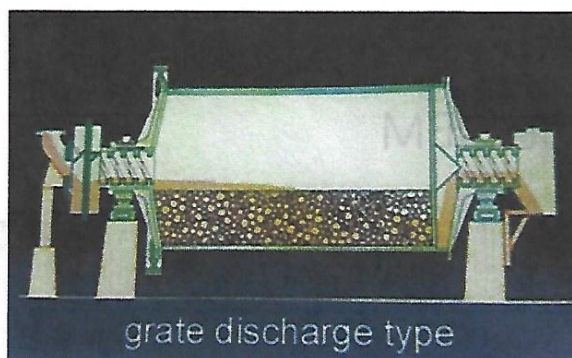




Due to low speed rotation, ball mills are ideal for hard and abrasive materials as well as for grinding soft minerals like Calcium Carbonate.

The mechanism of grinding takes places with minimum of impact and attrition energy.

IVA ball mill are mainly designed with great discharge and supported on cylindrical roller bearing.



IVA ball mill drives are optimal adapted to the grinding energy as 5 to 8% lower energy consumption by roller bearing and exact designing of driving system.

## Technical data

Model	Cylinder		Grinding ball (ton)	Speed (rpm)	Motor power (KW)	Weight (ton)
	Diameter(m)	Length(m)				
IBM1836	1.8	3.6	16	25	110	35
2448	2.4	4.8	30	21	360	47
3060	3.0	6.0	57	18	900	135
3570	3.4	7.5	92	17	1,400	166
4080	4.0	8.0	138	16	2,200	231

## Typical mill configuration

- Grate discharge ball mill
- Airswept ball mill
- Overflow discharge ball mill
- Conical airswep ball mill
- Conical overflow discharge ball mill
- End peripheral discharge rod mill

## Continuos milling system

- Open- circuit grinding
- Closed-circuit grinding
- Airswept milling
- Combined drying and grinding
- Iron-free grinding