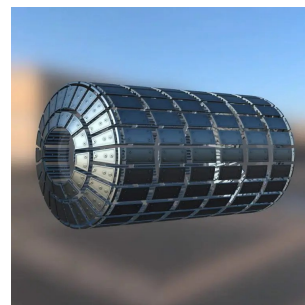


Ball Mill Liners - Shell, End & Grate

Product datasheet - grinding media and wear parts

A ball mill liner set is a system: the shell profile controls how the charge is lifted, the end liners absorb the cascade at the heads, and the grate sets the product size. Buying them from one foundry means the profiles and the bolt patterns are designed together.

Grindium casts ball mill shell liners in wave, step or classifying profile, plus feed and discharge end liners, grate plates and lifter bars, in Mn13Cr2, Mn18Cr2, Cr-Mo and high chrome Cr26, from 20 kg to 3 t per piece.



Material and profile selection

Position	Material	Profile	Typical life
1st chamber shell	Mn13Cr2 / Cr-Mo	Step, wave	8-14 months
2nd chamber shell	Cr-Mo / high chrome	Classifying, wave	12-24 months
Feed end liner	Mn13Cr2 / Mn18Cr2	Smooth	10-18 months
Discharge end liner	Mn13Cr2 / Cr-Mo	Smooth + grate	8-14 months
Grate plate	High chrome Cr26	Slotted	6-12 months

Specifications

Item	Range
Mill diameter	1.2-6.0 m
Plate thickness	30-120 mm
Single weight	20-3,000 kg
Bolt hole tolerance	+/-1.5 mm
Hardness	HB 180-220 (Mn) / HRC 58-62 (Cr26)

Typical applications

Pattern made from your drawing, or reverse-engineered from a worn liner; Lifter height and face angle set to mill speed and ball size; Plate joints staggered so no continuous wear groove forms; Set marked by position and packed chamber by chamber.

Ordering notes

Minimum order, lead time and packing are confirmed against the size mix or drawing in your enquiry. Each shipment carries a test report with chemistry, hardness, impact value and breakage rate for the heat. Payment terms: T/T with 30% deposit, or irrevocable L/C at sight. Shipping: FOB Qingdao, CIF or DAP.

Ordering and technical support

Send the mill type, media size or liner drawing, quantity and destination port. We reply with a quotation, packing plan and lead time within 12 hours.

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Product page: <https://grindium.com/products/mill-liner/ball-mill-liners/>

