

Newsletter – September 2018



Once again we are facing one of the key elements for operation of a ball mill: the trunnion.

SATAREM team in Latin America in coordination with technical personnel from one of the Cementos Argos plants in Colombia, fabricated a trunnion for a 1,500HP ball mill, according to **ASTM 1025** standard.

For dimensioning functional elements were taken together with general drawings and component development drawings, thus avoiding future problems during installation or operation. The steel used has 230MPa Yield stress and 430MPa Tensile stress.

Material	C (%)	Si (%)	Mn (%)	P (%)	S (%)
ZG230-450	≤0,3	≤0,6	≤0,9	≤0,035	≤0,035

Quality control

Due to the complexity of operation ultrasound examination is carried out, which allows SATAREM to give reliability and safety of equipment, likewise a dimensional verification is done according to plan and manufacturing measures.



Shorter Delivery Time

Fabrication and delivery of equipment was completed in only **70 days** after the drawings approval by the client.

Accessories

In order to guarantee that the system works properly, the set of screws for fixing the element is provided. These elements are examined through material tests and dimensional check, ensuring that they do not have problems when installed.

Final Adjustment - Assembly support

When arriving at site the trunnion is intervened to give the final measurements of the perforations, this in order to guarantee that the mill will have a perfect coupling with the new manufactured part, the adjustment of the piece will be given by a specialized technician of SATAREM, which will give the approval both for the alignment and for the final measurements of the perforations, thus guaranteeing the optimal operation of the equipment.



Contact our specialists to answer any question about the needs of your grinding systems.