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Industrial Machinery **Turbo Generator End Ring**

The diameter of the end ring of a turbo generator can be between 0.5 and 1.6 metres. The end ring must pass stringent tests to ensure it can operate without deformation at speeds of up to 3,600 revolutions per minute. Non-magnetic stainless steel reduces the losses in the ring that are caused by eddy currents and thermal stresses. The ring is cold formed to provide the highest yield strength and to ensure plastic deformation does not occur during operation.



Location/environment | WORLDWIDE/INDOOR

Product | FORGED RING

Fabrication process | FORGING AND MACHINING

Grade/surface | 18MN 18CR STAINLESS STEEL

Material thickness/diameter

Weight

Competing material

Date of completion

Manufacturer | ALSTOM SWITZERLAND SA

Material supplier

Source of information | ISSF LONG PRODUCTS COMMITTEE

Remarks