



## SALZGITTER MANNESMANN STAINLESS TUBES QUALITY IN ROUND TERMS.

### Efficiency. Boost it with us

Increasing efficiency and reducing CO<sub>2</sub> are magic words for the energy sector. Modern thermal power plants count on

- excellent creep rupture strengths
  - controlled oxidation behaviour and
  - high corrosion resistance
- in their tubular products to withstand the challenging steam parameters. SMST-Tubes support these targets by offering the required high quality materials.

### Grades. Choose to your best benefit

Salzgitter Mannesmann Stainless Tubes offers several specific grades to meet your requirements on high quality boiler tubes:

- **DMV 304 HCu**  
Supplies you with excellent creep properties in comparison to conventional austenitic stainless steels. High temperature oxidation resistance is improved by shot peening of the inner tube surface. Thus, you find an economic material for tube applications between 600 and 650 °C (1110 and 1200 °F).
- **DMV 347 HFG**  
DMV 347 HFG is a fine-grained austenitic stainless steel exhibiting high steam-side oxidation

resistance. It is considered to be among the grades with the highest potential for use in super critical boilers with corrosive flue gases. Apart this, it also meets the higher demands on creep resistance.

- **DMV 310 N**  
With DMV 310 N, the disadvantage of conventional 310 stainless steels (low creep properties) is overcome. While retaining the high corrosion resistance, its strength is optimized for the use in superheater and reheater applications.

Further materials for specific boiler applications are available on request.

**Mannesmann DMV Stainless is now called  
Salzgitter Mannesmann Stainless Tubes.**  
Nothing else changes.

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