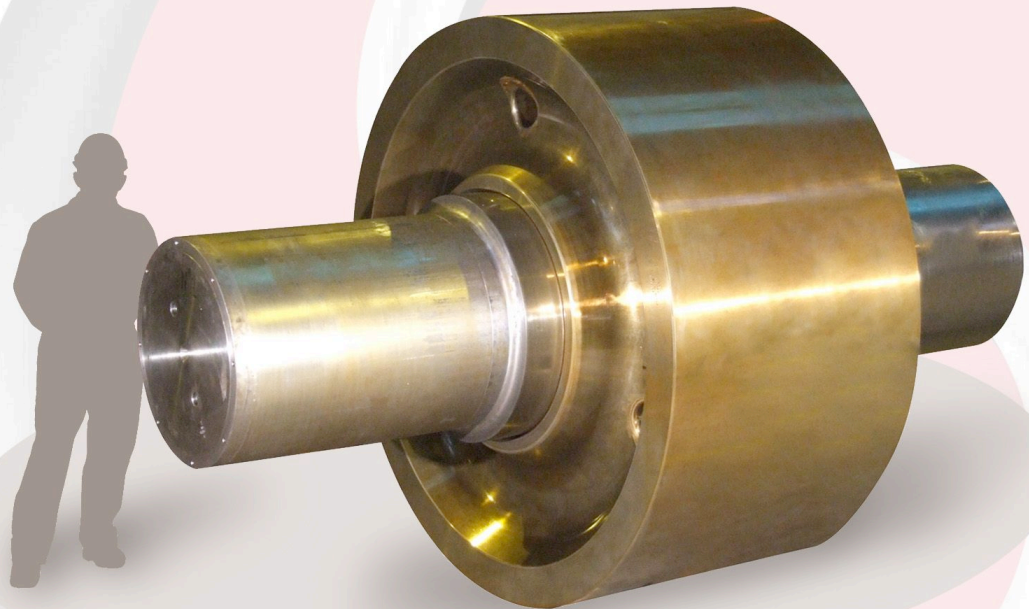


Kiln Support Rollers

for the Cement & Mineral Industries



Kiln support rollers are an important integral part of all modern Cement plants. Increasing kiln dimensions and continuous operation require absolutely reliable rollers of greater size and weight. Modern practice is moving towards the specification of steel forgings for both the tyre and the shaft, but in addition SfarSteel is also able to offer traditional cast rollers.

Pairs of kiln support rollers are normally of a unique size, and cannot be obtained from stock.



SIZE & WEIGHT RANGE

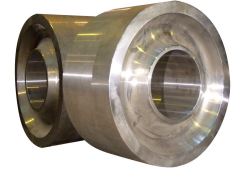
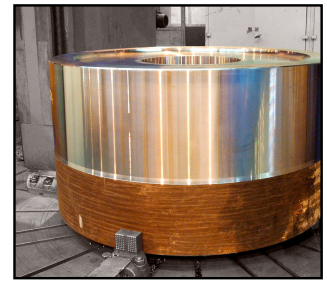
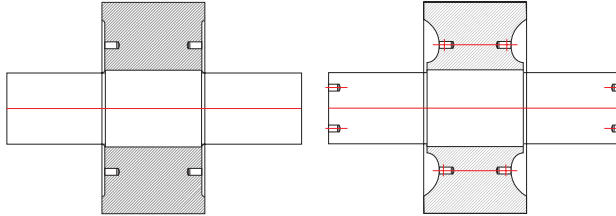
With a maximum shaft length capacity of 10 metres and a lifting capacity of 140 tonnes, SfarSteel can accommodate all sizes of kiln support rollers.

QUALITY OF STEELS

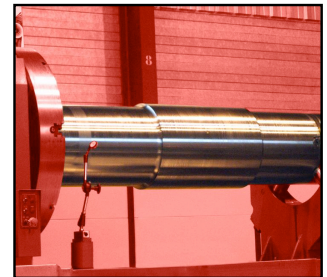
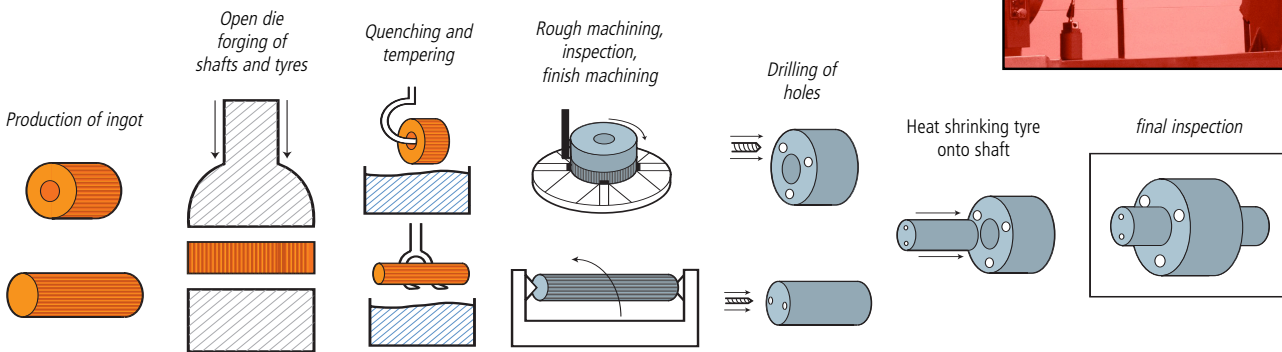
A wide range of steels is available, but qualities normally supplied include 42 CrMo4, 36Mn5 etc.

DESIGN

The designs of the rollers are tried and tested, with the 'flat sided' and 'hollow faced' designs being the main variants.



MANUFACTURING PROCESS



INSPECTION STANDARDS

Sfarsteel is willing to discuss the use of a range of quality standards, but normally employs those standards cited below:

None destructive testing

Ultrasonic testing is carried out after rough machining, and complies with European Standard EN 10228-3 May 1998

Magnetic Particle inspection is carried out after final machining, and complies with European Standard EN 10228-1 March 1999

Mechanical testing

Hardness testing, tensile testing, chemical analysis, roughness measurements and other conventional measurements are carried according to the requirements of European Standard NF EN 10083-1

REFERENCES

Lafarge, Holcim, Italcementi, Heidelberg, FLS, Polysius, FCB, Technip, and many other major companies.

