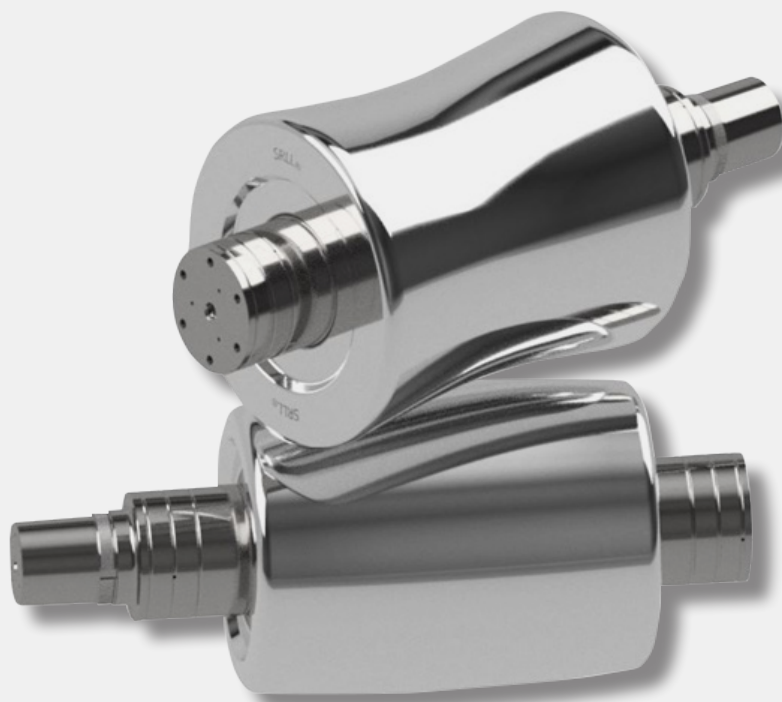
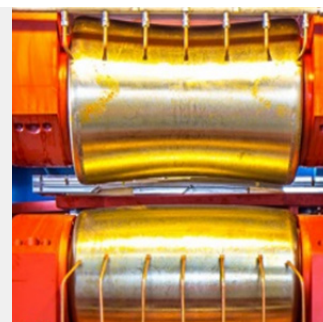


DANIELI HYPERBOLIC "S-RLL" ROLLS for 2-roll straightening machines



**Straightening by
two hyperbolic rolls**
Diameter range
5÷250 mm for
black and bright
bars, ferrous and
nonferrous bars.

For 2-Roll Straighteners, customized technical solutions are studied to improve roll performance depending on product type and material quality. These tailor-made solutions are available for both Danieli and non-Danieli 2-roll straighteners, improving the life and quality of existing systems.



S-RLL
>straightener
rolls<



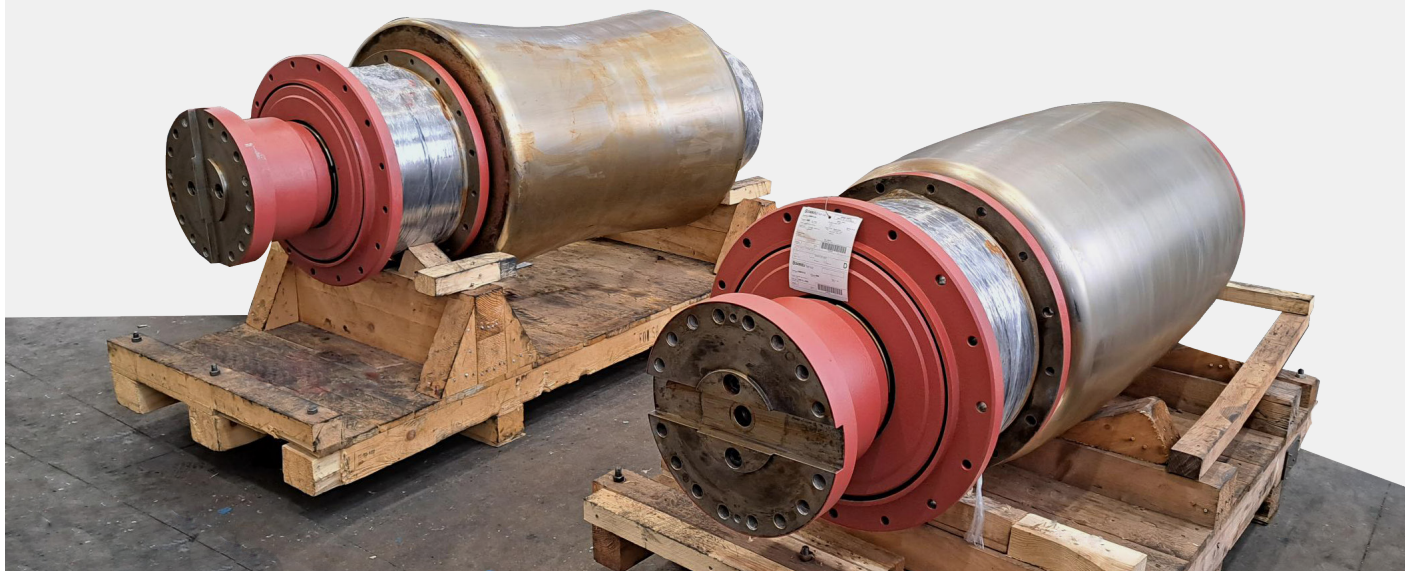
RE-ENGINEERING



LEAD TIME



MACHINE
IMPROVEMENTS



DANIELI HYPERBOLIC "S-RLL" ROLLS for 2-roll straightening machines

DanS-RLL
hyperbolic
straightening rolls

Produced thanks to more than 100 years of know-how in materials and specific heat treatments, continuous research and development and synergy with our customers.

Made of High-Cr tool steel according to a specific forging procedure, with particular attention to the austenitic grain size. This procedure is applied in order to maximize the structural uniformity and obtain the best possible mechanical properties after heat treatment.

All S-RLL rolls are heat treated to exact mechanical properties by means of vacuum furnaces with Danieli's standardized quenching procedure followed by multiple tempering. The aim is to improve structural uniformity throughout the entire roll and to allow multiple regrindings of the roll surface without shortening roll lifetime.

Roll profiles have been studied and tested in order to have superior lifetime performance in (> 30-50%) compared with standard rolls and to provide better final straightening quality.

Moreover, Danieli supplies a **Redressing Service** for worn out roll profiles.

Overhauling the complete set of roll profiles, bearings, labyrinths and supports means that redressed rolls are like new and ready for operation on the straightening machine.

