

BUTTING HeRo[®] of impressive size

The BUTTING HeRo[®] (**Heat-resisting Roller**) has been used since the mid-1990s very successfully by the world's leading steel producers. As a transport roller, it is an integral part of heat treatment facilities and is constructed and produced individually for the relevant annealing task. External diameters from DN 100 up to DN 700 and wall thicknesses of up to 60 mm are always possible.

Now a customer has ordered the largest size ever produced by BUTTING: 400 x 35 mm, and 5,530 mm in length.



The benefits of the BUTTING HeRo[®] convinced our customer, whose order was for 10 furnace rollers. The roller body, at the heart of the HeRo, consists of a high-quality BUTTING pipe made from plate with optimum forming and storage tolerances, made from the material 2.4633. This is suitable for very high temperatures of up to 1,200°C. A single furnace roller weighs an impressive amount: more than 1,600 kg. The overall volume for the order thus amounts to more than 16 t.

The 10 HeRos were delivered at the beginning of November. They will be used in a heat treatment facility for steel plates with wall thicknesses from 6-150 mm and temperatures from 600-1,160°C. Since this facility is in operation on a daily basis 24/7 for 365 days a year, a good deal is riding on the robust BUTTING HeRos[®]: Furnace downtimes because of changing the roller are to be minimized, thus reducing the cost of maintenance measures and downtimes.

The individual design of the BUTTING HeRo[®] brings crucial benefits to the customer. These include its outstanding durability through the use of materials resistant to high temperatures and with a low oxidation tendency and good wear resistance. In addition, we offer careful processing until the product is ready to be installed, the lowest possible tolerances required by the manufacturing process and the high running accuracy which this ensures. Furthermore, if after many years in use there is any loss of straightness and roundness tolerances, there is a possibility of reprocessing by special straightening and calibration procedures. The prerequisite for this is provided by the mechanical properties of the material selected, the roller bodies formed from steel plate.

However, the crucial advantage of HeRo is that no water cooling is required, which is sometimes necessary with traditional furnace rollers; this considerably reduces energy costs. Thus the amortisation period of a BUTTING HeRo[®] is distinctly shorter than for other materials.

Let the BUTTING HeRo[®] convince you!

BUTTING – Progress by Tradition