



ZYAROCK® metallurgy roller

High quality steel strip production



VESUVIUS

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## High Quality Steel Strip Production

ZYAROCK® is the Vesuvius brand of all fused silica technical solutions developed for the glass and metal industry. The ZYAROCK® metallurgy roller is a ceramic based product used in horizontal continuous heat treatment processes for steel strip such as silicon steel treatment, galvanizing lines or other various annealing systems. The ZYAROCK® metallurgy roller has been engineered to optimize the conveying of the metal steel strip inside the furnace up to 1100° C improving the surface quality and increasing the line productivity.

## ZYAROCK® metallurgy roller benefits

- **Increased productivity and easy installation**  
Due to the outstanding resistance to thermal shock the product can be installed in hot furnaces without preheating and does not require furnace shut down, thus increasing the overall line efficiency.
- **Extended life time**  
No wear on the roller surface even after many changes to different widths of steel strips, resulting in a longer lifetime of the roller. We refurbish the roller by reconditioning the shaft and installing a new ceramic sleeve.
- **Cleaner surface**  
Surface build-up is greatly reduced compared to metal rollers. The high purity fused silica ceramic material used to manufacture the smooth and precise machined ceramic sleeve ensures a long standing performance with clean surface thus increasing production efficiency.
- **Engineered solution**  
Tailored design and years of experience lead to a product that matched highest operating conditions and line speed up to 180 m/min. Depending on operating conditions and care life time of 3 and more years is reached.

## Adapted solutions for your heat treatment applications

ZYAROCK® metallurgy roller offers exceptional material properties and a strong engineering service to develop the most suitable design both for your specific equipment and your requirements. The maximum roller length currently produced is equal to 4,5m and can be extended upon customer requirements.



## Where to find information about ZYAROCK® metallurgy roller?

Website: [www.vesuvius.com](http://www.vesuvius.com)

Contact us: [www.zyारock.com](http://www.zyारock.com)