

ZYAROCK® glass tempering roll

Reliability and consistent performance over time

VESUVIUS

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Consistant high performance over time

ZYAROCK® is the VESUVIUS brand of all fused silica products and technical solutions developed for the glass industry. VESUVIUS is the market leader in the supply of fused silica rolls for demanding applications such as flat glass and steel strip annealing. ZYAROCK® glass tempering rolls are used to convey flat glass through a horizontal tempering furnace at about 700° C. The rolls are designed to fit process requirements and manufactured with tight tolerance and control on surface roughness and dimensional accuracy.

ZYAROCK® glass tempering roll benefits

- **Consistent performance in use**
  The high level of material purity and the specific manufacturing process leads to a homogenous and solid ceramic body with tightest dimensional tolerances, finest surface finishing and excellent hot rigidity. The strict limitation of trace elements in the composition of ZYAROCK® material ensures a perfect thermodynamic behavior resulting in stable TIR, hot and cold.

- **Smooth and safe conveying process**
  Appropriate end cap technology and material selection is applied to ensure a reliable and robust connection that also guarantees stable roll TIR performance. The unique and patented SMARTLY DRIVEN® end cap technology is the ultimate choice and delivers the most advanced and reliable technology that combines safety in use with environmental protection.

- **Increased value, lower costs**
  glass quality improvements and reduced production downtime is achieved through long term stability that matches operating conditions and requirements. Engineering work is paid on every roll at its initial design stage to select best ceramic design end end cap technology to match the operational requirements.

Reliable solution for your requirements

VESUVIUS designs and manufactures ZYAROCK® glass tempering rolls to fit your applications and requirements. Typical roll diameters are from 15 up to 120 mm and overall length up to 4000 mm but it can be extended upon customer requirements. ZYAROCK® glass tempering rolls are mainly delivered with assembled metal caps used to connect the roll to the furnace drive system. The VESUVIUS patented SMARTLY DRIVEN® end cap attachment system provides the best solution for a permanent and robust attachment between ceramic roll and furnace drive system and offers an environmentally friendly solution.



All ceramic design options available



Patented VESUVIUS
SMARTLY DRIVEN® end cap

Where to find information about ZYAROCK® glass tempering roll?

Contact us: www.zyarock.com
Website: www.vesuvius.com

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VESUVIUS ZYAROCK® glass tempering roll /FE/Mar2014/ EN
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