SECU WARM
CUT-OFF WHEELS FOR WARM CUTTING IN THE STEEL INDUSTRY
(FOR SEMI-FINISHED PRODUCTS WITH TEMPERATURES OF 100 - 600°C)
SECUR WARM

The cutting tool is subjected to enormous loads during warm cutting and particularly during traverse cutting. With the SECUR product line, TYROLIT offers a tool that meets the specific requirements of the rolling mill. The use of a high-strength bond system significantly increases the stability of the cut-off wheel throughout the entire cutting process, even when subjected to high lateral forces.

Application
Traverse cutting in the rolling mill

Product range

<table>
<thead>
<tr>
<th>Conical cut-off wheels</th>
<th>Diameter</th>
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<td></td>
<td>mm</td>
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<td>SECUR Shape 41KON for high-performance machines</td>
<td>800 - 2000</td>
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<tr>
<td>SECUR Super Thin Shape 41ST for low-performance machines</td>
<td>1000 - 2000</td>
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Optimum profile design: Even with materials that are difficult to cut (e.g. manganese steels), the risk of tapering towards the periphery is reduced and the cut-off wheel can be used to it’s final diameter.

Maximum cutting performance: The optimised bond system allows for stronger bonding of the high-quality zirconia alumina. This increases the lifetime by up to 25 percent.

Maximum stability: The compact cut-off wheel design ensures the highest possible stability throughout the entire cutting process, even when subjected to high lateral forces.

Schematic diagram of a conical cut-off wheel for warm cutting

TYROLIT SCHLEIFMITTELWERKE SWAROVSKI K.G.
Swarovskistraße 33 | 6130 Schwaz | Austria | Tel: +43 5242 606-0 | Fax: +43 5242 63398