TENMAT specially developed FEROFORM rollers for hot and cold applications as a superior replacement for both steel and polyurethane rollers.

FEROFORM rollers increase revenues for users as they are non-marking to protect metal quality. Materials costs are reduced as FEROFORM rollers have an increased operating temperature, and last longer than rubber and PU. FEROFORM rollers also avoid costly plant downtime by being maintenance-free.

The unique blend of finely-woven high-performance fibres builds an extremely tough, smooth, and resilient roller.

FEROFORM rollers are successfully used by many leading manufacturers around the world.

FEROFORM rollers avoid the frequent replacement of polyurethane and rubber rollers. Installing FEROFORM rollers eliminates the time-consuming grinding and cleaning of production lines which is associated with metal rollers.

Customer Benefits
- Protect the surface quality of products
- Reduce production costs
- Reduced downtime
- No marking of metal strip
- Longer life compared to rubber ad PU
- No pick up of contaminants
- High resistance to elevated temperature

Selected References:
- Aleris Rolled Products
- Novelis
- Hydro Rolling Group
- Elval Hellenic
- South Korea’s largest foil mill
- EU’s largest flat steel products mill
- EU’s leading annealing furnace OEM

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FEROFORM Rollers for Rolling Applications

Install into any roller position, which requires FEROFORM roll surface to:

(a) have anti-scratch properties
(b) protect surface quality of product
(c) withstand high contact temperatures
(d) withstand high levels of abrasion / wear

This includes:
1. Hot rolling table rollers (non-ferrous only)
2. Deflector roller
3. Tensioning roller
4. Coil support rollers
5. Strip support rollers
6. Ironing roller
7. Nip roller
8. Furnace entry rollers
9. General transport rollers

<table>
<thead>
<tr>
<th>Mill Location</th>
<th>Industry</th>
<th>Area</th>
<th>Roller Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>Aluminium</td>
<td>Hot rolling</td>
<td>Hot table rollers</td>
</tr>
<tr>
<td>Switzerland</td>
<td>Aluminium</td>
<td>Cold rolling</td>
<td>Tensioning rollers</td>
</tr>
<tr>
<td>USA</td>
<td>Aluminium</td>
<td>Hot rolling</td>
<td>Hot table rollers</td>
</tr>
<tr>
<td>Greece</td>
<td>Aluminium</td>
<td>Cold rolling</td>
<td>Deflector roller</td>
</tr>
<tr>
<td>Norway</td>
<td>Aluminium</td>
<td>Hot rolling</td>
<td>Hot table rollers</td>
</tr>
<tr>
<td>Italy</td>
<td>Aluminium</td>
<td>Cold rolling</td>
<td>Hot table rollers</td>
</tr>
<tr>
<td>Oman</td>
<td>Aluminium</td>
<td>Hot rolling</td>
<td>Hot table rollers</td>
</tr>
<tr>
<td>Germany</td>
<td>Aluminium</td>
<td>Hot rolling</td>
<td>Sliding plates and bearings</td>
</tr>
<tr>
<td>China</td>
<td>Carbon Steel</td>
<td>Cold rolling</td>
<td>Entrance rollers annealing furnace</td>
</tr>
<tr>
<td>Russia</td>
<td>Aluminium</td>
<td>Cold rolling</td>
<td>Ironing roller on coiler unit</td>
</tr>
<tr>
<td>South Korea</td>
<td>Aluminium</td>
<td>Cold rolling</td>
<td>Ironing roller on coiler unit</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>UNITS</th>
<th>F57</th>
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</thead>
<tbody>
<tr>
<td>Maximum Continuous Operating Strip Temperature</td>
<td>°C</td>
<td>500</td>
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<tr>
<td>Compressive Strength</td>
<td>MPa (Ambient)</td>
<td>380</td>
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<tr>
<td>Compressive Yield</td>
<td>% at 68.9 MPa</td>
<td>1.75</td>
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<tr>
<td>Impact Strength</td>
<td>kJ/m²</td>
<td>63</td>
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<tr>
<td>Hardness</td>
<td>Shore D</td>
<td>90</td>
</tr>
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</table>