

## Cold-rolled steel and HIBRITE®

### Reliable products with a wide choice of surface finish

Tata Steel's cold-rolled steel strip offers consistent quality that you can rely on. It delivers benefits for your end-products and processes

We can deliver cold-rolled steel in a wide choice of surface appearance to suit your applications. Finish options include Tata Steel's HIBRITE® - available as a bright finish or mirror finish. HIBRITE® finishes can also be supplied with our nickel-plated steel products.

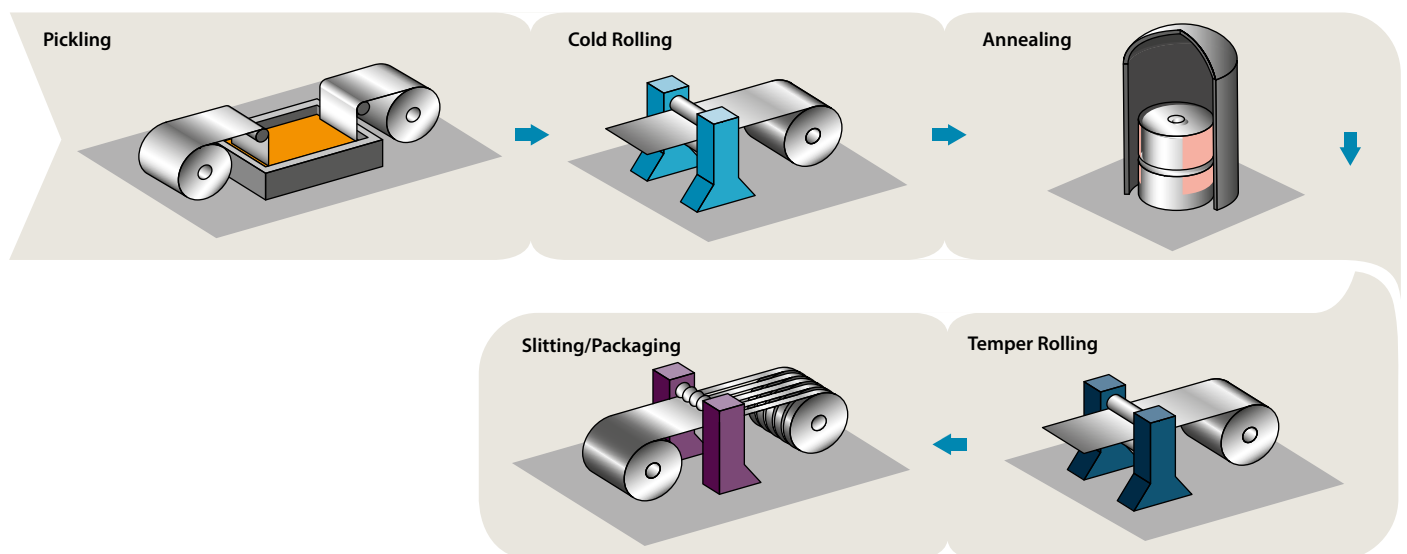


Tata Steel supplies cold-rolled strip steel products in a range of standard and high-strength grades and a choice of material thickness. Our steel products offer consistent formability for reliable processing. The fine-grained structure of these steels is ideal for stamping and deep-drawing. Tight tolerances – exceeding the requirements in EN 10139 & ATSM A 109 – help you to deliver uniform end-products and minimise waste.

Tata Steel's HIBRITE® cold-rolled steel and nickel-plated steel products offer a superb surface finish in a choice of 'bright' or 'mirror'. HIBRITE® finishes exceed the industry norms of 'MC' standard for mirror finish and 'MB' standard for bright finish. For added benefits, we can tailor HIBRITE® and other cold-rolled steel products to meet your exact processing and end-product requirements.

A choice of surface finish means our products are suitable for a wide variety of applications. It also provides scope for optimizing your manufacturing processes. For example, bright and mirror finishes negate the need for grinding and polishing. Our cold-rolled steel products with brilliant surfaces are also ideal for electroplating with chrome, copper or bright nickel.

### Production Process



# Cold-rolled steel and HIBRITE®

## Reliable products with a wide choice of surface finish

### Main benefits of our surface-finished steel include:

- end-products of consistent and reliable quality
- improved product performance
- trouble-free, repeatable processing
- opportunities to reduce processing steps
- minimized waste
- control of substrate and base metal properties

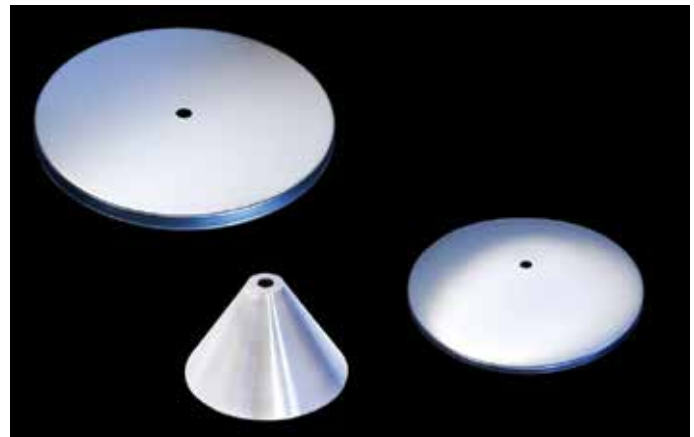
### Applications

- Automotive chromed components
- Decorative household products including: curtain poles, lamp parts, giftware, tableware, toasters

### Surface appearance

Mirror finish (MF): (Ra ≤ 0, 1 µm)	exceptionally smooth surface
Bright finish (BF): (Ra ≤ 0, 2 µm)	very smooth surface
Fine stone finish: (Ra ≤ 0, 6 µm)	smooth surface
Rough finish: (Ra. min 0, 6 max. 2, 5 µm)	matt surface (rough - matt finish)
Satin finish	similar to brush finish

We can also lacquer satin-finished products on request – please consult us.



### Delivery conditions

Delivery condition / Available temper		Thickness range		Width Range	
		mm	inch	mm	inch
LC, C290, C340, C390, C440, C490, C590, C690	1T (full hard), 2T, 3T, 4T, 5T	0.100 – 1.500	0.004 – 0.060	3 – 724	0.10 – 28.5
C999 (DC01 only)	1T (full hard)	0.250 – 1.500	0.010 – 0.060	3 – 660	0.10 – 26
<b>HIBRITE®</b>					
LC, C290, C340, C390	4T, 5T	0.200 – 1.000	0.008 – 0.040	3 – 630	0.10 – 25

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English Language TSP09:500:UK:10/2013

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