

## HILAN®

### Bright nickel-plated steel

Tata Steel's HILAN® is a cold-rolled steel strip product electroplated with bright nickel. Bright nickel creates an extra hard and extra bright surface.

Because HILAN® keeps its good looks, it is ideal for decorative products. Its durability also makes it a popular choice for hard-working components. HILAN® can be processed with ease and provides several advantages over stainless steel.

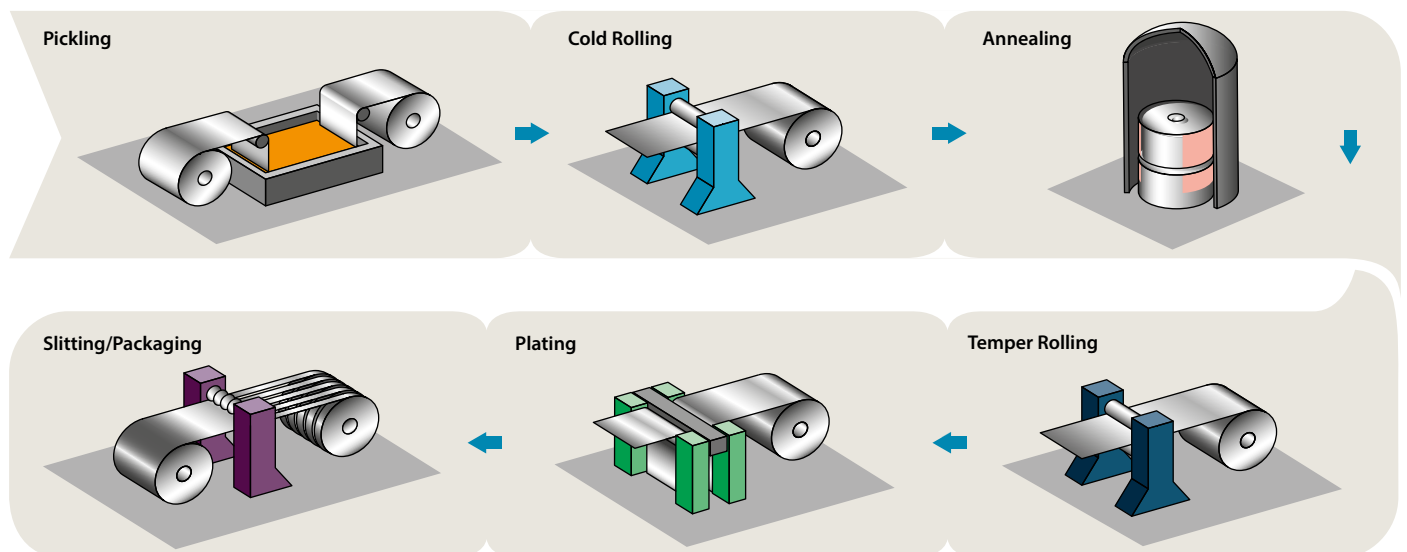


HILAN® is produced to tight dimensional tolerances for uniform products and repeatable processing. Stringent process control ensures an optimised layer of bright nickel - delivering a hard-wearing surface with good resistance to scratches and abrasion. It is available in a choice of surface finishes to suit your applications.

HILAN® is suitable for stamping and deep-drawing operations. It also offers good welding and brazing properties that are superior to those of stainless steel. HILAN® provides a cost-effective alternative to stainless steel. It also provides further scope for cost savings in your processing. It forms a good basis for chrome piece-plating – reducing the need for processing steps such as post-plating and pre-polishing.

For added benefits, we can tailor HILAN® products to meet your exact processing and end-product requirements.

### Production Process



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### Main benefits of HILAN® include:

- end-products of consistent and reliable quality
- improved product performance
- trouble-free, repeatable processing
- opportunities to reduce processing steps
- longer tool life
- opportunities for cost savings

### Applications

- Office equipment including: ring binder components, lever-arch mechanisms
- Decorative household products including: piece-plated chromed parts, vacuum cleaner components

### 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		Thickness range		Plating thickness		Width range	
		mm	inch	µm	µ"	mm	inch
LC, C290, C340, C390, C440, C490, C590, C690	2T, 3T, 4T, 5T	0.100 – 1.500	0.008 – 0.060	0,5 – 3,0	20 - 120	3 – 660	0.1 – 26
C999 (DC01 only)	1T (full hard)	0.250 – 1.500	0.008 – 0.060	0,5 – 3,0	20 - 120	3 – 630	0.1 – 24.8

### For sales enquiries and technical support in the USA, please contact:

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