

Styles and finishes

Abbreviation		Style	Finish	Product form						Comments
DIN EN 10088-2	DIN 17440/41			Cold-rolled flat products	Hot-rolled flat products	Drawn wire	Rod	Semi-finished	Tube	
1U	a1	Hot worked, not heat-treated, not descaled	Has rolling skin and possibly scales					•		Only suitable for further hot treatment.
	a2	Hot worked, not heat-treated, milled on all sides	Rough finish					•		
1C	b or lc	Hot worked, heat-treated, not descaled	Has rolling skin	•			•	•		Only suitable for parts that are descaled or processed from all sides after manufacturing.
1E	c1 or IIa	Hot worked, heat-treated, mechanically descaled	Free of mill scale				•	•	•	The kind of mechanical descaling chosen (e.g. milling, blasting or peeling) depends on the product form, and unless otherwise specified, it is left to the manufacturer.
1D	c2 or IIa	Hot worked, heat-treated, pickled			•		•		•	
1X	e	Hot worked, heat-treated, pre-processed by machining	Metallic mill finish				•			
2H	f or IIIa	Heat-treated, mechanically or chemically descaled, then cold worked	Smooth and bright, much smoother than c2 or IIa	•			•	•		Cold working without subsequent heat treatment will change the properties, depending on the extent to which it is worked.
2D	h or IIIb	Mechanically or chemically descaled, cold worked, heat-treated, pickled	Smother than c2 or IIa	• ¹⁾			•		•	Matte
2R	m or IIIc	Mechanically or chemically descaled, cold rolled, bright annealed or bright annealed and then slightly cold rolled or drawn	Shiny and smoother than h or IIIb	•			•		•	Well suited for grinding and polishing.
2B	n or IIIc	Mechanically or chemically descaled, heat-treated, pickled, skin passed	Matte and smoother than h or IIIb	•			•		•	This style is somewhat harder than h or IIIb, m or IIIc; it is ideal for grinding, brushing or polishing.
1G or 2G	o or IV	Mill finish	The kind, degree and extent of the milling or polishing are to be specified upon ordering	•			•			Commonly based on styles b or lc, c1 or IIa, f or IIIa, n or IIIc, m or IIIc.
1K or 2K	p or V	polished					•	•		
1J or 2J	q	brushed		•						
1) Only upon request										

[Statements about the properties or applications are provided as a description.]

