

	Product forms				Tolerances on nominal dimensions <sup>b</sup>	Symbol <sup>c</sup>	Condition		Recommended use and observations
	Semi-finished products	Rods	Wires	Bars, sections			Type of process route	Surface finish	
Cold processed	-	-	x	x	Bars: IT 8 to 11 <sup>d</sup> /EN 10278 Wire: T3 or T4 /EN 10218-2	2H	Finishes 1E, 1D or 1X, cold processed <sup>i</sup> , coated (optional).	Smooth and matt or bright. Not necessarily polished. Not free of surface imperfections <sup>i</sup> .	In products formed by cold drawing without subsequent heat treatment, the tensile strength is substantially increased, particularly in austenitic materials, depending on the degree of cold processing. The surface hardness may be higher than the centre hardness.
	-	-	x	x	Bars: IT 8 to 11 <sup>d</sup> /EN 10278 Wire: T3 or T4 /EN 10218-2	2D	Finish 2H, heat treated <sup>e</sup> , pickled and skin-passed (optional), coated (optional).	Smooth and matt or bright. Not free of surface imperfections <sup>i</sup> .	This finish allows the restoration of the mechanical properties after cold processing. Products with good ductility (extrusion) and specific magnetic properties.
	-	-	-	x	Bars: IT 8 to 11 <sup>d</sup> /EN 10278	2B	Finishes 1E, 1D or 1X, cold processed <sup>i</sup> , mechanically smoothed <sup>k</sup> .	Smooth, uniform and bright. Free of surface imperfections.	Products used in their present condition or intended for better finishing. In products formed by cold drawing without subsequent heat treatment, the tensile strength is substantially increased, particularly in austenitic materials, depending on the degree of cold processing. The surface hardness may be higher than the centre hardness.
	-	-	-	x	IT ≤ 9 <sup>d</sup> /EN 10278	2G	Finishes 2H, 2D or 2B, centreless ground, mechanically smoothed (optional) <sup>l</sup> .	Smooth, uniform and bright. Free of surface defects.	Finish for close tolerances. Unless otherwise agreed, the surface roughness shall be Ra ≤ 1,2.
	-	-	-	x	IT < 11 <sup>d</sup> /EN 10278	2P	Finishes 2H, 2D, 2B or 2G, specular polishing <sup>l</sup> .	Smother and brighter than finish 2B or 2G. Free of surface defects.	Products showing a well-groomed surface appearance. Surface roughness shall be specified at the time of enquiry and order.
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