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Quenched and tempered steels













Standard DIN EN 1013	2
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	rempering seeds. 622E 600E, 23eHVI04 30eHVI04
Grades	Boron-alloyed steels: 27MnCrB5-2 and similar
	Spring steels: C55S - C100S, 75Cr1 - 95Cr1, 51CrV4 - 80CrV2, 68CrNiMo33,
	75Ni8: 102Cr6

Chemical cast analysis Based on DIN EN 10132 and also special analysis

Strip thicknesses [mm] (1)	Martensite: 0.30 - 5.10	
Strip widths [mm] (2) (3)	Martensite: 35 - 720	
Delivery conditions	QT - martensitic guenched and tempered	

NA (1)	Martensite:	Spring steels	Hardness 30 - 54 HRC
Mechanical properties (1)		Tempering steels	Hardness 30 - 48 HRC
Hardness range		Boron-alloyed steels	Hardness 30 - 44 HRC

Surfaces (appearance + finish)	Bright, grey-blue, polished and yellow tempered, brush-polished	
Edge conditions	GK - slit edges, SK - special edges (machined or edge-rolled)	

Dimensional tolerances	Dimensional taleranees	General tolerances:	acc. to DIN EN 10140 and special agreement
	Dimensional tolerances	Canting and data and a new conserva-	and to enceded agreement only

Flatness with C-contents of 0.67 - 1.00 %,

Max. 1.5 - 2.0 $\mu m/mm$ width for boron-alloyed grades and tempering steels.

Delivery forms	Coils and cut to lengths	
Cut to length dimensions (2)	Width 80 - 720 mm	Length: 400 - 4000 mm
Specialities		el with very good flatness values. sections with especially wide and thick dimensions. ss upon agreement.

⁽¹⁾ Variations depending on grade and dimension to be taken into account (2) Further dimensions upon agreement





 $^{^{(3)}}$ Strip width < 35 mm only available in slit-after-hardening condition in strip thickness \leq 0.80 mm