



Standard	DIN EN 10132 and special analysis					
Grades	C10E	C15E	16MnCr5	17Cr3		
Chemical cast analysis	C	0.070 - 0.130	0.120 - 0.180	0.140 - 0.190	0.140 - 0.200	
	Si	max. 0.400	max. 0.400	max. 0.400	max. 0.400	
	Mn	0.300 - 0.600	0.300 - 0.600	1.000 - 1.300	0.600 - 0.900	
	P	max. 0.025	max. 0.025	max. 0.025	max. 0.025	
	S	max. 0.035	max. 0.035	max. 0.035	max. 0.035	
	Cr	max. 0.400	max. 0.400	0.800 - 1.100	0.700 - 1.250	
	Mo	max. 0.100	max. 0.100			
	Ni	max. 0.400	max. 0.400			
	Cu	max. 0.300	max. 0.300	max. 0.400	max. 0.400	
	Strip thicknesses [mm]	Delivery condition LC, (A): 0.20 - 5.20; Delivery condition CR: 0.20 - 5.50				
Strip widths [mm]	4 - 810 <sup>(2)</sup>					
Delivery conditions	LC; A; AC; CR					
Mechanical properties for delivery condition LC and longitudinal testing:						
Tensile strength R <sub>m</sub> [MPa]	max. 430	max. 450	max. 550	max. 550		
Yield strength R <sub>p0,2</sub> [MPa]	max. 345	max. 360	max. 420	max. 420		
Elongation A <sub>80</sub> [%]	min. 26	min. 25	min. 21	min. 21		
Hardness [HV]	max. 135	max. 140	max. 170	max. 170		
Surfaces (appearance + finish)	MA with finish RR, RM, RL acc. to DIN EN 10139					
	MB <sup>(1)</sup> with finish RL, RM acc. to DIN EN 10139					
Dimensional tolerances	Acc. to DIN EN 10140 and special agreement					
Delivery forms	Coils and cut to lengths					

<sup>(1)</sup> MB for thicknesses 0.2 - 2.0 mm, thicker dimensions on request <sup>(2)</sup> Maximum width only for NK

