



# Micro-alloyed cold rolled steel strip



Standard		DIN EN 10268						
Grades		HC260LA	HC300LA	HC340LA	HC380LA	HC420LA	HC460LA	HC500LA
Chemical cast analysis	C (max)	0.100	0,120	0,120	0,120	0,140	0,140	0,140
	Si (max)	0.500	0,500	0,500	0,500	0,500	0,600	0,600
	Mn (max)	1,000	1,400	1,500	1,600	1,600	1,800	1,800
	P (max)	0,030	0,030	0,030	0,030	0,030	0,030	0,030
	S (max)	0,025	0,025	0,025	0,025	0,025	0,025	0,025
	Al (min)	0,015	0,015	0,015	0,015	0,015	0,015	0,015
	Ti (max)	0,150	0,150	0,150	0,150	0,150	0,150	0,150
	Nb (max)	0,090	0,090	0,090	0,090	0,090	0,090	0,090
Strip thicknesses [mm]		0.20 - 5.20						
Strip widths [mm]		4 - 810 <sup>(2)</sup>						
Mechanical properties in LC								
Tensile strength R <sub>m</sub> [MPa]	Longitudinal testing	340 - 420	370 - 470	400 - 500	430 - 550	460 - 580	480 - 630	520 - 690
Yield strength R <sub>p0,2</sub> [MPa]		240 - 310	280 - 360	320 - 410	350 - 450	390 - 500	420 - 560	460 - 600
Elongation A <sub>80</sub> [%]		min. 27	min. 24	min. 22	min. 20	min. 18	min. 14	min. 13
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							
Specialities	Tolerance range for mechanical properties can be reduced further if necessary. Measuring on longitudinal test specimen preferred, transverse testing by agreement.							
<sup>(1)</sup> MB for thicknesses 0.2 - 2.0 mm, thicker dimensions on request <sup>(2)</sup> Maximum width only for NK								

