



# High strength micro-alloyed fine-grain steels



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Standard	Based on DIN EN 10268							
Grades	Possible grades: RiWi 600 - RiWi 1400							
Chemical cast analysis	Based on DIN EN 10268 with modifications							
Strip thicknesses [mm]	0.80 - 5.50 <sup>(1)</sup>							
Strip widths [mm]	4 - 810 <sup>(2)</sup>							
Grades	RiWi 600	RiWi 700	RiWi 800	RiWi 900	RiWi 1000	RiWi 1100	RiWi 1400	
Mechanical properties:	Longitudinal testing							
Tensile strength R <sub>m</sub> [MPa]		630 - 780	730 - 880	830 - 980	920 - 1070	1020 - 1170	1110 - 1260	1410 - 1560
Yield strength R <sub>p0.2</sub> [MPa]		600 - 720	700 - 820	800 - 920	900 - 1020	1000 - 1150	1100 - 1250	1400 - 1550
Elongation A <sub>80</sub> [%] <sup>(4)</sup>		min. 10	min. 10	min. 9	min. 7	min. 5	min. 3	
Surfaces (appearance + finish)	MA, MB <sup>(3)</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	Intermediary grades on request, measuring on longitudinal test specimen preferred.							
<sup>(1)</sup> Other thicknesses on request <sup>(2)</sup> Maximum width only for NK								
<sup>(3)</sup> MB for thicknesses 0.2 - 2.0 mm, thicker dimensions on request <sup>(4)</sup> Elongation on request								

