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Table 3 - Mechanical properties at ambient temperature for normalized steel

Designation		Minimum yield strength R_{eH}[a] Mpa[b] Nominal thickness mm								Tensile strength Rm[a] Mpa[b] Nominal thickness mm			Minimum percentage elongation after fracture[a] % $L_0=5.65\sqrt{S_0}$ Nominal thickness mm					
According EN 10027-1 and CR 10260	According EN 10027-2	≤16	>16 ≤40	>40 ≤63	>63 ≤80	>80 ≤100	>100 ≤150	>150 ≤200	>200 ≤250	≤100	>100 ≤200	>200 ≤250	≤16	>16 ≤40	>40 ≤63	>63 ≤80	>80 ≤200	>200 ≤250
S275N	1.0490	275	265	255	245	235	225	215	205	370 to 510	350 to 480	350 to 480	24	24	24	23	23	23
S275NL	1.0491																	
S355N	1.0545	355	345	335	325	315	295	285	275	470 to 630	450 to 600	450 to 600	22	22	22	21	21	21
S355NL	1.0546																	
S420N	1.8902	420	400	390	370	360	340	330	320	520 to 680	500 to 650	500 to 650	19	19	19	18	18	18
S420NL	1.8912																	
S460N	1.8901	460	440	430	410	400	380	370	.....	540 to 720	530 to 710	.....	17	17	17	17	17	.....
S460NL	1.8903																	