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# FERRITIC STEELS – MATERIAL DATA SHEET

SCHOELLER | NOV 2024

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# Ferritic Steels

The specified mechanical properties refer to an annealed tube version. Other comparable materials are available upon request.

Steel grade	Standard	C max. [%]	Cr [%]	Mo [%]	Ni [%]	Others [%]	Rp0,2 min. [MPa]	Rm min. [MPa]	A5/A <sup>***</sup> min. [%]
1.4016	EN 10296-2	0.080	16.00 – 18.00	-	-	-	240	430	20
TP 430	ASTM A 268	0.120	16.00 – 18.00	-	-	-	240	415	20*
1.4509	EN 10296-2	0.030	17.50 – 18.50	-	-	Nb 3xC+0.30 to 1.00 / Ti 0.10 – 0.69	230	430	18
1.4510	EN 10296-2	0.050	16.00 – 18.00	-	-	Ti 4x(C+N)+0.15 to 0.80	230	420	23
TP 439	ASTM A 268	0.070	17.00 – 19.00	-	≤ 0.50	Ti 4x(C+N)+0.20 to 1.10 / Al bis 0.15 / N to 0.04	205	415	20*
1.4512	EN 10296-2	0.030	10.50 – 12.50	-	-	Ti 6x(C+N) to 0.65 / N to 0.03	210	380	25
TP 409	ASTM A 268	0.080	10.50 – 11.70	-	≤ 0.50	Ti 6xC to 0.75	170	380	20*
1.4520	EN 10088-2	0.025	16.00 – 18.00	-	-	Ti 4x(C+N) to 0.80 / N to 0.015	180	380 - 530	24
1.4521	EN 10296-2	0.025	17.00 – 20.00	1.80 – 2.50	-	Ti 4x(C+N)+0.15 to 0.80 / N to 0.03	280	400	20
1.4720	SEW 470	0.080	10.50 – 12.50	-	-	Ti 6xC to 1.00	210	400 - 600	25