



TABLE OF STEELS FOR WELDED AND SEAMLESS HOLLOW SECTIONS

The following steelgrades, codified by the European norms EN 10210 and EN 10219, are available for hot finished and cold finished seamless and welded hollow sections.

CHEMICAL ANALYSIS

Steelgrade	Chemical elements (% on mass)													
	C max.	Si	Mn	P max.	S max.	Nb max.	V max.	Al min.	Ti max.	Cr max.	Ni max.	Mo max.	Cu max.	N max.
S235JRH	0.17	-	max. 1.40	0.040	0.040	-	-	-	-	-	-	-	-	0.009
S275J0H	0.20	-	max. 1.50	0.035	0.035	-	-	-	-	-	-	-	-	0.009
S275J2H	0.20	-	max. 1.50	0.030	0.030	-	-	-	-	-	-	-	-	-
S355J0H	0.22	max. 0.55	max. 1.60	0.035	0.035	-	-	-	-	-	-	-	-	0.009
S355J2H	0.22	max. 0.55	max. 1.60	0.030	0.030	-	-	-	-	-	-	-	-	-
S355K2H	0.22	max. 0.55	max. 1.60	0.030	0.030	-	-	-	-	-	-	-	-	-
S275NH	0.20	max. 0.40	0.50 – 1.40	0.035	0.030	0.050	0.08	0.020	0.03	0.30	0.30	0.10	0.35	0.015
S275NLH				0.030	0.025									
S355NH	0.20	max. 0.50	0.90 – 1.65	0.035	0.030	0.050	0.12	0.020	0.03	0.30	0.50	0.10	0.35	0.020
S355NLH				0.18	0.030									
S420NH	0.22	max. 0.60	1.00 – 1.70	0.035	0.030	0.050	0.20	0.020	0.03	0.30	0.80	0.10	0.70	0.025
S420NLH				0.030	0.025									
S460NH	0.22	max. 0.60	1.00 – 1.70	0.035	0.030	0.050	0.20	0.020	0.03	0.30	0.80	0.10	0.70	0.025
S460NLH				0.030	0.025									
S275MH	0.13	max. 0.50	max. 1.50	0.035	0.030	0.050	0.08	0.020	0.05	-	0.30	0.20	-	0.020
S275MLH				0.030	0.025									
S355MH	0.14	max. 0.50	max. 1.50	0.035	0.030	0.050	0.10	0.020	0.050	-	0.30	0.20	-	0.020
S355MLH				0.030	0.025									
S420MH	0.16	max. 0.50	max. 1.70	0.035	0.030	0.050	0.12	0.020	0.050	-	0.30	0.20	-	0.020
S420MLH				0.030	0.025									
S460MH	0.16	max. 0.60	max. 1.70	0.035	0.030	0.050	0.12	0.020	0.050	-	0.30	0.20	-	0.025
S460MLH				0.030	0.025									

- Steels according to EN 10210 for hot finished hollow sections.
- Steels according to EN 10210 and EN 10219 for hot finished and cold finished hollow sections.
- Steels according to EN 10219 for cold finished hollow sections.