

Carbon Steels and Alloy Steels

DIN 17210

Chemical Composition, %

Steel Grade	C	Si Max	Mn	P Max	S Max	Cr	Mo	Ni
C 10	.07/.13	.15/.35	.30/.60	0.045	0.045	—	—	—
C 15	.12/.18	.15/.35	.30/.60	0.045	0.045	—	—	—
Ck 10	.07/.13	.15/.35	.30/.60	0.035	0.035	—	—	—
Ck 15	.12/.18	.15/.35	.30/.60	0.035	0.035	—	—	—
15 Cr 3	.12/.18	.15/.40	.40/.60	0.035	0.035	.40/.70	—	—
16 MnCr 5	.14/.19	.15/.40	1.00/1.30	0.035	0.035	.80/1.10	—	—
20 MnCr 5	.17/.22	.15/.40	1.10/1.40	0.035	0.035	1.00/1.30	—	—
20 MoCr 4	.17/.22	.15/.40	.60/.90	0.035	0.035	.30/.50	.40/.50	—
25 MoCr 4	.23/.29	.15/.40	.60/.90	0.035	0.035	.40/.60	.40/.50	—
15 CrNi 6	.12/.17	.15/.40	.40/.60	0.035	0.035	1.40/1.70	—	1.40/1.70
17 CrNiMo 6	.14/.19	.15/.40	.40/.60	0.035	0.035	1.50/1.80	.25/.35	1.40/1.70

* Alloy steels intended for direct quenching shall contain at least 0.02% by weight of metallic (acid soluble) aluminum.