

STEEL GRADE FOR TOOLS

ORI Martin produces special steels which are highly homogenous in the chemical composition and micro cleanness, in order to achieve consistent and reliable tool performance in products made by the final customers.



Steel grade

Steel grade	Corresponding standard			Average chemical composition						
	Werkstoff	ORI Martin	C	Mn	Cr	Ni	Mo	S	V	
C	C10E	1.1121	CC10X1	0,10	0,50	-	-	-	-	-
	C15E	1.1141	CC15L1	0,15	0,50	-	-	-	-	-
Cr	17Cr3	1.7016	C15C31	0,17	0,70	0,90	-	-	-	-
Mn Cr	16MnCr5	1.7131	C16U51	0,16	1,20	1,00	-	-	-	-
	16MnCrS5	1.7139	C16U52	0,16	1,20	1,00	-	-	0,03	-
	20MnCr5	1.7147	C20U51	0,20	1,25	1,10	-	-	-	-
	20MnCrS5	1.7149	C20U52	0,20	1,25	1,10	-	-	0,03	-
	27MnCr5		C27U51	0,27	1,25	1,20	-	-	-	-
Cr Mo	12CrMo4	1.7201	S12L41	0,12	0,75	1,05	-	0,20	-	-
	18CrMo4	1.7243	C18L41	0,18	0,70	1,00	-	0,20	-	-
	15-20CrMo5	1.7264		0,20	1,05	1,25	-	0,25	-	-
	13CrMo4-5	1.7335		0,13	0,70	0,93	-	0,50	-	-
	25MoCr4	1.7325		0,26	0,75	0,50	-	0,45	-	-
Ni Cr	25CrMo4	1.7218	C25L41L	0,25	0,75	1,05	-	0,22	-	-
	19CrNi5		C19R51L	0,20	0,90	1,00	1,00	-	-	-
	10NiCr6		C10R61L	0,10	0,70	1,05	1,28	-	-	-
	12NiCr3		C12R31	0,12	0,60	0,60	0,70	-	-	-
	16NiCr11		C16R11	0,15	0,45	0,75	2,75	-	-	-