

## STEEL GRADE FOR WELDING APPLICATIONS

After high drawing they are steels intended to manufacture wires for electrodes and for welding with gas or dust protection. Strict control of the manufacturing process allows us to guarantee an analysis with low sulphur, copper and nitrogen content, together with a uniform structure, which guarantees excellent drawability.



ORI Martin is a constant presence in the market of the leading manufacturers thanks to:

- the production of more than 30 different qualities of low to medium alloy steels, according to customised analyses and individual castings of 70 tons.
- production flexibility with small rolling batches according to customer needs.

### Steel grade

Steel grade	Corresponding standard	Average chemical composition							
		ORI Martin	C	Mn	Si	Cr	Ni	Mo	Cu
T20Mo	AFF2D1B	0,10	1,00	0,12	-	-	0,50	-	
T15CrMo4	AFF2L1B	0,11	0,75	0,17	1,20	-	0,55	-	
11NiMN5-4	AFF2N1B	0,11	1,00	0,10	-	0,90	-	-	
T20	AFF201B	0,10	1,00	0,10	-	-	-	-	
T20Si	AFF204B	0,10	1,10	0,17	-	-	-	-	
T25	AFF302B	0,11	1,55	0,20	-	-	-	-	
T25Mo	AFF3D1B	0,13	1,50	0,12	-	-	0,50	-	
T25Ni	AFF3N2B	0,10	1,00	0,17	-	2,20	-	-	
T25NiMo4	AFF3Q2B	0,12	1,55	0,17	-	0,90	0,52	-	
T30	AFF401B	0,12	1,95	0,07	-	-	-	-	
T30Mo	AFF4D1N	0,11	1,95	0,15	-	-	0,55	-	
S2NiCu	AFF2W1B	0,10	1,10	0,20	-	0,73	-	0,25	
X5CrMo3	AX5C31C	0,07	0,63	0,24	2,40	-	0,95	-	
X5CrMo6	AX5C51C	0,05	0,55	0,40	5,75	-	0,55	-	
SG2	ECO202	0,07	1,40	0,80	-	-	-	-	
SG3	ECO302	0,07	1,65	0,90	-	-	-	-	
SGNi2-5	ECO1N1C	0,08	1,10	0,52	-	2,20	-	-	
CO2Mo	ECO2D1C	0,09	1,10	0,60	-	-	0,45	-	
CO2CrMo1Si	ECO2L1C	0,09	1,00	0,65	1,17	-	0,50	-	
CO2NiMo	ECO2N2C	0,09	1,10	0,60	-	0,90	0,25	-	



**ORI**  
**MARTIN**

Steel grade	Corresponding standard	Average chemical composition							
		ORI Martin	C	Mn	Si	Cr	Ni	Mo	Cu
CO2NiMo8	ECO2N4C	0,07	1,70	0,40	-	2,00	0,35	-	
Mn3NiCrMo	ECO2H1C	0,08	1,40	0,68	0,48	0,58	0,20	-	
Mn3Ni1CrMo	ECO2J1C	0,08	1,63	0,60	0,30	1,48	0,25	-	
Mn4Ni2CrMo	ECO2N3C	0,09	1,83	0,78	0,35	1,85	0,55	-	
Mn4Ni2-5CrMo	ECO2H8L	0,13	1,90	0,85	0,55	2,40	0,55	-	
G4Mo	ECO3D1N	0,08	1,90	0,73	-	-	0,45	-	
G3Ni1	ECO2W3C	0,08	1,43	0,83	0,28	0,79	-	0,25	