

**EXTRA LEGA - ACCIAI DA COSTRUZIONE, PER MOLLE E CUSCINETTI
IN SEMILAVORATI, BILLETTE, BARRE, ROTOLI E LAVORATI A FREDDO**

**ALLOY SURCHARGE - ENGINEERING STEELS, STEELS FOR SPRINGS AND BEARINGS
IN SEMIS, R.C.S. BILLETS, ROLLED AND FORGED ROUND BARS, COILS**

valido per Luglio 2021- valid for July 2021 shipment
da applicarsi a fine fattura in €/t - at the end of invoice in €/t

MARCA / GRADE	NORM	lingotti e colata continua	billette, barre e rotoli e forgiati	lavorati a freddo
		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1 KB	EN 10263	16	18	21
38 Cr 2 KB	EN 10263-4	20	22	26
34 - 41Cr 4 KB	EN 10263-4	27	30	36
25 - 42 CrMo 4 KB	EN 10263-4	86	97	115
30 -40 NiCrMo 2 KB	EN 10263	153	172	204
38 NiCrMo 4 KB	EN 10263	179	202	239
34 CrNiMo 6 KB	EN 10263-4	273	307	364
40 NiCrMo 7 KB	EN 10263	299	336	398
Acciai da bonifica / Hardening and tempering steels				
QS1105200		19	22	26
41 Cr 4	EN 10083.1	28	32	37
36 CrMn 4	UNI 7847	30	34	41
51 CrV 4	EN 10083.1	65	73	86
25 - 42 CrMo 4	EN 10083.1	86	97	115
20-25 MoCr4		134	151	179
40 NiCrMo 2	EN 10083.1	141	159	188
36CrNiMo4	EN 10083.1	190	214	253
39 NiCrMo 3	EN 10083.1	179	201	238
40 NiCrMo 7	UNI 6926	301	339	402
30CrNiMo 8	EN 10083.1	389	437	518
30 NiCrMo 12		495	557	661
30 NiCrMoV 12	UNI 6787	526	592	701
36 NiCrMo 16	EN 10083.1	577	649	769
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	31	35	42
20 MnCr 5	EN 10084	36	40	48
SAE 94B17		85	95	113
18 CrMo 4	EN 10084	79	88	105
12 NiCr 3		93	105	125
16 - 20 CrNi 4	EN 10084	141	159	189
16 NiCr 11	EN 10084	338	380	451
16 - 20 NiCrMo 2	EN 10084	136	153	181
18 NiCrMo 5	EN 10084	236	265	314
17 CrNiMo 6	EN 10084	307	346	410
18 NiCrMo 7	EN 10084	324	365	432
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	156	175	208
31 CrMoV 9	EN 10085	127	143	169
34 - 41CrAlMo 7	EN 10085	126	142	168
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	27	31	36
36 CrMn 4	UNI 7847	31	35	42
41 CrMo 4	UNI 7847	77	86	102
40 NiCrMo 3	UNI 7847	179	202	239

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Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	150	169	200
14 CrMo 3	EN 10216	162	183	216
18 CrMoSi 4	EN 10222	174	196	232
11 CrMo 9 10	EN 10222.2	298	335	397
16 CrMo 20 5	EN 10216.2	221	248	294
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	418	470	557
X 12 Ni 09	EN10222-4	1067	1201	1423
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	30	34	40
100 CrMo 7	EN 683.17	97	110	130
100 CrMn 4	EN 683.17	28	32	38
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	32	36	43
60 SiCr 8	EN 10089	41	46	54
52 SiCrNi 5	EN 10089	111	125	148
45 SiCrMo 6	EN 10089	87	98	116
55 Cr 3	EN 10089	24	27	32
50 CrV 4	EN 10089	63	71	84
51 CrMoV 4	EN 10089	111	125	148
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	44	49	58
19 - 46 MnVS 6	EN 10267	45	51	60
38MnSiVS6		48	54	63
D25M6		49	55	65
48MnV3		34	38	45
Acciai vari / Other steels				
1.0038	S235JR	9	10	12
1.0432	C21	16	18	22
1.0460	P250GH	8	9	11
1.0482	19Mn5	21	23	27
1.0503	C45	8	9	11
1.0511	C40	8	9	11
1.0528	C30	8	9	11
1.0535	C55	12	14	16
1.0540	C50	9	10	12
1.0553	S355J0	21	23	27
1.0565	P355NH	19	22	26
1.0566	P355NL1	16	18	21
1.0570	S355J2G3	16	18	22
1.0577	S355J2	19	22	26
1.0715	11SMn30	13	15	18
1.0721	10S20	14	15	18
1.0726	35S20	15	17	20
1.0764	36SMn14	18	21	24
1.1108	10Mn4	17	19	22
1.1127	38Mn6	22	25	29
1.1132	C15E2C	9	11	13
1.1140	C15R	9	10	12
1.1141	C15E	8	9	11
1.1160	22Mn6	22	25	29
1.1167	36Mn5	16	18	22
1.1181	C35E	10	11	13
1.1191	C45E/CK45	11	12	15
1.1197	25MnV5	30	34	40
1.1201	C45R	8	9	11
1.1206	C50E	9	10	12
1.1213	CF53	7	8	9
1.1219	C56E2	9	10	12
1.1231	C67S	12	14	17
1.1236	C66D2	8	8	10
1.1241	C50R	9	10	12
1.1301	19MnVS6	44	49	58
1.1302	30MnVS6	45	51	60
1.1303	38MnVS6	47	53	63
1.1304	46MnVD6	47	52	62
1.1305	46MnVS3	43	49	58

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1.2007	70Cr2	23	26	30
1.2067	102Cr6	30	34	40
1.2242	59CrV4	50	56	66
1.2826	60MnSiCr4	29	32	38
1.3505	100Cr6	30	34	40
1.3520	100CrMnSi6-4	56	63	74
1.3531	16CrNiMo6	289	325	385
1.3536	100CrMo7-3	109	122	145
1.3537	100CrMo7	86	96	114
1.3538	100CrMo7-4	154	173	205
1.3539	100CrMnMoSi8-4-6	186	209	248
1.4021	X 20 Cr 13	215	242	287
1.4901	X10CrWMoVNB9-2	870	911	1160
1.4903	X10CrMoVNB9-1	447	503	596
1.5066	30Mn5	20	22	26
1.5120	38MnSi4	25	28	33
1.5216	17MnV6	52	59	70
1.5217	20MnV6	51	58	68
1.5223	42MnV7	44	49	59
1.5231	38MnSiVS5	48	54	63
1.5232	27MnSiVS6	49	55	65
1.5233	44MnSiVS6	49	55	65
1.5243	42MnSiV3 - 3	38	43	50
1.5415	16Mo3	86	97	115
1.5423	16Mo5	147	165	196
1.5523	19MnB4	12	13	16
1.5526	30MNB4	18	20	23
1.5527	40MnB4	21	23	28
1.5532	38MnB5	16	18	21
1.5662	X 8 Ni 9	1065	1198	1420
1.5708	12NiCr3	90	101	120
1.5715	16NiCrS4	141	159	189
1.5752	15NiCr13	405	455	540
1.5810	18 NiCr 5-4	183	206	245
1.5918	17 CrNi 6-6	214	240	285
1.6510	39 NiCrMo 3	170	192	227
1.6511	36 CrNiMo 4	204	229	272
1.6522	20 NiCrMo 2	132	148	176
1.6523	20 NiCrMo 2-2	135	152	180
1.6526	20NiCrMoS2-2	133	150	177
1.6527	20NiCrMo3	161	181	215
1.6541	23 MnNiCrMo 5 2	150	169	201
1.6562	40 NiCrMo 8-4	329	370	438
1.6563	41 NiCrMo 7-3-2	301	339	402
1.6566	17 NiCrMo 6-4	236	265	314
1.6580	30 CrNiMo 8	389	437	518
1.6582	34 CrNiMo 6	263	296	351
1.6587	18 CrNiMo 7-6	307	346	410
1.6657	14 NiCrMo 13-4	498	561	664
1.6758	23 MnNiMoCr 5-4	279	314	372
1.6782	16NiCrMo12-6	466	524	622
1.6959	35 NiCrMoV 12-5	548	617	731
1.7016	17Cr3	25	28	33
1.7033	34Cr4	28	32	37
1.7034	37Cr4	28	32	37
1.7035	41Cr4	28	32	37
1.7039	41CrS4	28	32	37
1.7043	38Cr4	28	32	37
1.7076	32CrB4	25	28	33
1.7077	36CrB4	27	30	36
1.7117	52SiCrNi5	111	125	148
1.7131	16 MnCr 5	32	36	42
1.7137	60 MnCrB 3	26	29	34
1.7139	16 MnCrS 5	32	36	42
1.7147	20 MnCr 5	36	40	48
1.7148	30MnCrB4-2	36	40	48
1.7149	20 MnCrS 5	36	40	48
1.7160	16 MnCrB 5	28	32	37
1.7168	18 MnCrB 5	33	37	44

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1.7176	55Cr3	29	32	38
1.7177	60Cr3	21	24	29
1.7182	27 MnCrB 5 2	22	25	29
1.7185	33 MnCrB 5 2	23	26	31
1.7213	25 CrMoS 4	82	92	109
1.7216	30 CrMo 4	81	91	108
1.7218	25CrMo4	86	97	115
1.7220	34 CrMo 4	86	97	115
1.7223	41 CrMo 4	86	97	115
1.7225	42CrMo4	86	97	115
1.7226	34 CrMoS 4	86	97	115
1.7227	42 CrMoS 4	86	97	115
1.7228	50 CrMo 4	86	97	115
1.7243	18 CrMo 4	79	88	105
1.7311	20CrMo2	109	123	146
1.7319	20 MoCrS 3	114	128	152
1.7321	20 MoCr 4	133	149	177
1.7323	20 MoCrS 4	133	149	177
1.7325	25 MoCr 4	134	151	179
1.7326	25 MoCrS 4	134	151	179
1.7335	13 CrMo 4-5	136	153	182
1.7337	16 CrMo 4-4	141	158	187
1.7362	X12CrMo5	219	246	292
1.7380	10 CrMo 9 10	296	333	395
1.7383	11 CrMo 9-10	297	334	396
1.7386	X 12 CrMo 9 1	408	459	543
1.7701	52CrMoV4	111	125	148
1.7765	32CrMoV12-10	362	408	483
1.8062	46SiCrMo6	94	106	125
1.8159	51CrV4	65	73	86
1.8161	58 CrV 4	59	67	79
1.8201	7CrWVMoNb9-6	132	148	175
1.8515	31 CrMo 12	153	172	204
1.8519	31 CrMoV 9	127	143	169
1.8550	34 CrAlNi 7-10	212	238	282
1.8871	P460QH	34	38	45
1.8901	S 460 N	169	190	225
1.8905	P 460 N	101	113	134
1.8907	StE 500	122	137	162
1.8915	P460NL1	106	119	141
1.8928	S690QL	236	265	314
92145		51	57	67
92216		36	40	48
92421		140	158	187
92520		236	265	314
92523		193	217	257
0078 A		130	146	173
1 E 1286		46	52	62
1.1301-1.1302 mod		44	50	59
107-38MnV5		41	46	54
108-C40Mn		24	27	32
113-35CrB5		29	32	38
123-35MnCrB5		30	34	40
15CrNi6		210	236	279
18NCD4 RENAULT (C9)		157	177	210
18M		53	60	71
1DRB		50	57	67
1E0042		12	14	17
1E 0509		79	88	105
1E 0621		17	19	22
1E 0669		15	17	20
1E 0686		19	21	25
1E 0769		21	24	28
1E 0778		91	103	122
1E 0951		63	71	84
1E0997		68	76	91
1E 1054		107	121	143
1E 836\1E 1120		76	86	102
1E1058		90	102	120

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1E1286 - 1E1286B		46	52	62
1E1497		40	44	53
16NiCrMo12		467	525	622
20MNCr5F		82	92	109
20NiCr6		188	212	251
21CrMoV5.11		350	394	467
22MnV6		73	82	97
23CrMoB3		104	117	139
23MCD5		86	97	115
23MnNiCrMo5.2		160	180	214
25CRNiMO2		193	217	257
28 CDV5.08		296	334	395
30 Cr Si Mo V 663		140	157	186
30CRMOV10F		210	237	280
30NiCrMoV7		335	377	446
33MNCrMOB5		62	69	82
35MNB5		29	33	39
37MNCrMOB5		53	60	71
39MNCrB6		29	33	39
368.6		109	122	145
41CrS4 Mod 27		51	57	68
42CrMo4 JMBK		111	125	149
42CrMo4 PBK		92	103	122
42CrMo4+Ni+V		151	170	202
43crnimo4.6		257	289	343
4M		56	63	74
47TS2		22	25	29
50NICR13		405	455	540
56NiCrMoV7		370	416	493
605M36		85	95	113
8630/vgs		244	275	326
86B45 H		124	139	165
86CrMoV7		108	121	143
92523 Crown Wheel		193	217	257
92523 Pinion		190	214	254
A 1041 F		21	24	28
A182 F1		151	170	201
A182 F22 MOD.		436	490	581
A193 B16	ASTM	216	243	288
A193 B7		86	97	115
A320 L7		126	141	167
A694 F65		33	37	44
Aisi 4130 MOD. R		121	137	162
Aisi 4718		224	252	299
Aisi 4815		489	550	652
Aisi 8630 MOD		235	264	313
AISI 8720		141	158	188
AISI410		223	251	298
AMS 6418		357	402	476
B222-5		73	82	98
B222-6(4122 MOD)		65	74	87
B222-7		68	76	90
B222-8		134	150	178
B30		23	26	30
B46-1		241	271	322
B63-1		160	180	213
B63-2 (V2525-60)		158	178	211
B79		165	185	220
C50+MO		24	27	32
D60SiMn5/ A1		34	38	46
F11		143	160	190
F22		291	327	388
F22 MOD		339	382	452
Grade 50R		139	156	185
HMS 60		272	306	363
ITM 129		25	29	34
JDM 4320		288	324	384
MTS 238 / SAE 1141/I		22	25	30
P420 QH		128	144	171

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
PS30 SAE 4715		242	272	322
PS55		424	476	565
PS65		29	32	38
RES 10460		33	37	44
RES166380		67	76	90
S1060		360	405	480
S460NL		79	88	105
SA 508 Gr. 3		223	251	297
SA 765 Gr. 4		49	55	65
SAE 1017 MOD		17	19	22
SAE 4320 JDM		298	335	398
SAE 4820		491	553	655
SAE 8620		136	153	181
SAE 8627H		130	146	173
SAE 8822H		161	181	215
STE460		84	95	113
STE 690		255	287	340
STE 690V		200	225	266
STE500/GSA10		58	65	77
ste890		326	367	435
Steel 9313		446	501	594
TK23F		91	102	121
TK28A		90	101	120
TS45.02		9	10	12
UC1		12	14	17
V 2525-50		175	196	233
V2525-70		156	176	209
V2527-70		226	254	302
V2905-95		29	32	38
V2906		30	34	41
V2908-95		28	32	37
VSCH CRNI 2525 HL		150	168	200
VSCH-CRNI(S)-2525-U/HH+		154	173	205
VSCH-MNCR(S)-2158-U-HM		52	59	70
VSCH-MNCR(S)-2158-U-HH		60	67	80
VW 4227		31	35	41
VW 4521		302	340	403
VW1427		50	57	67
X19NiCrMo4		547	615	729
X30Cr13		206	231	274
ZF 1		214	240	285
ZF 1 A		308	346	411
ZF 49		37	42	50
ZF 50		11	13	15
ZF 6		44	50	59
ZF 63		30	34	40
ZF 64		28	31	37
ZF 7 B		36	40	48