

**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 Dicembre 2018 - valid for December 2018 shipment
da applicarsi a fine fattura in €/t - at the end of invoice in €/t

MARCA / GRADE	NORM	lingotti e colata continua	laminati e forgiati	lavorati a freddo
		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1 KB	EN 10263	10	12	15
38 Cr 2 KB	EN 10263-4	14	16	21
34 - 41Cr 4 KB	EN 10263-4	24	27	34
25 - 42 CrMo 4 KB	EN 10263-4	61	69	89
30 -40 NiCrMo 2 KB	EN 10263	93	104	135
38 NiCrMo 4 KB	EN 10263	111	125	161
34 CrNiMo 6 KB	EN 10263-4	169	190	245
40 NiCrMo 7 KB	EN 10263	177	199	257
Acciai da bonifica / Hardening and tempering steels				
QS1105200		8	10	12
41 Cr 4	EN 10083.1	24	27	34
36 CrMn 4	UNI 7847	25	28	36
51 CrV 4	EN 10083.1	189	212	274
25 - 42 CrMo 4	EN 10083.1	61	68	88
20-25 MoCr4		88	99	127
40 NiCrMo 2	EN 10083.1	86	97	125
36CrNiMo4	EN 10083.1	117	132	170
39 NiCrMo 3	EN 10083.1	110	124	160
40 NiCrMo 7	UNI 6926	178	200	259
30CrNiMo 8	EN 10083.1	241	271	350
30 NiCrMo 12		290	326	422
30 NiCrMoV 12	UNI 6787	412	463	600
36 NiCrMo 16	EN 10083.1	341	384	496
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	24	27	35
20 MnCr 5	EN 10084	29	32	41
SAE 94B17		52	58	75
18 CrMo 4	EN 10084	57	64	82
12 NiCr 3		56	63	81
16 - 20 CrNi 4	EN 10084	84	95	122
16 NiCr 11	EN 10084	192	217	280
16 - 20 NiCrMo 2	EN 10084	83	93	120
18 NiCrMo 5	EN 10084	142	160	206
17 CrNiMo 6	EN 10084	192	216	279
18 NiCrMo 7	EN 10084	194	219	283

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	122	138	176
31 CrMoV 9	EN 10085	218	245	316
34 - 42CrAlMo 7	EN 10085	85	95	122
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	23	26	33
36 CrMn 4	UNI 7847	26	29	37
41 CrMo 4	UNI 7847	55	62	80
40 NiCrMo 3	UNI 7847	110	123	159
Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	94	106	138
14 CrMo 3	EN 10216	110	123	159
18 CrMoSi 4	EN 10222	120	135	174
11 CrMo 9 10	EN 10222.2	208	234	301
16 CrMo 20 5	EN 10216.2	181	204	260
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	228	257	333
X 12 Ni 09	EN10222-4	584	657	852
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	30	34	43
100 CrMo 7	EN 683.17	76	85	109
100 CrMn 4	EN 683.17	23	26	33
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	17	19	25
60 SiCr 8	EN 10089	24	27	35
52 SiCrNi 5	EN 10089	68	76	99
45 SiCrMo 6	EN 10089	58	65	84
55 Cr 3	EN 10089	19	21	27
50 CrV 4	EN 10089	180	202	261
51 CrMoV 4	EN 10089	199	223	289
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	110	124	161
19 - 46 MnVS 6	EN 10267	111	125	162
38MnSiVS6		112	126	164
D25M6		123	139	180
48MnV3		97	110	142
Acciai vari / Other steels				
1.0038	S235JR	4	5	6
1.0432	C21	7	8	10
1.0460	P250GH	3	4	5
1.0482	19Mn5	10	11	14
1.0503	C45	3	4	5
1.0511	C40	3	4	5
1.0528	C30	3	4	5
1.0535	C55	5	6	8
1.0540	C50	4	4	5
1.0553	S355J0	9	10	13
1.0565	P355NH	9	10	13
1.0566	P355NL1	6	7	9
1.0570	S355J2G3	7	8	10
1.0577	S355J2	8	9	12
1.0721	10S20	6	7	9
1.0764	36SMn14	7	8	11
1.1108	10Mn4	7	8	11
1.1127	38Mn6	9	11	14
1.1132	C15E2C	4	5	6
1.1140	C15R	4	5	6
1.1141	C15E	4	4	6
1.1160	22Mn6	11	12	15
1.1167	36Mn5	7	8	10

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1.1181	C35E	5	5	7
1.1191	C45E/CK45	5	6	7
1.1197	25MnV5	63	71	92
1.1201	C45R	3	4	5
1.1206	C50E	4	4	5
1.1213	CF53	3	3	4
1.1219	C56E2	4	4	5
1.1231	C67S	6	6	8
1.1236	C66D2	4	4	5
1.1241	C50R	4	4	5
1.1301	19MnVS6	110	124	161
1.1302	30MnVS6	111	125	162
1.1303	38MnVS6	120	135	175
1.1304	46MnVD6	120	135	175
1.1305	46MnVS3	135	152	197
1.2007	70Cr2	17	19	25
1.2067	102Cr6	30	34	43
1.2242	59CrV4	116	131	169
1.2826	60MnSiCr4	17	19	25
1.3505	100Cr6	30	34	43
1.3520	100CrMnSi6-4	43	49	62
1.3531	16CrNiMo6	180	203	262
1.3536	100CrMo7-3	82	92	118
1.3537	100CrMo7	68	77	98
1.3538	100CrMo7-4	111	125	160
1.3539	100CrMnMoSi8-4-6	132	149	191
1.4903	X10CrMoVNb9-1	536	603	776
1.5066	30Mn5	9	10	13
1.5216	17MnV6	147	165	214
1.5217	20MnV6	146	165	213
1.5223	42MnV7	102	114	148
1.5231	38MnSiVS5	112	126	164
1.5232	27MnSiVS6	121	136	177
1.5233	44MnSiVS6	121	136	177
1.5415	16Mo3	54	60	78
1.5423	16Mo5	92	104	135
1.5523	19MnB4	5	5	7
1.5532	38MnB5	6	7	9
1.5662	X 8 Ni 9	583	656	851
1.5708	12NiCr3	54	61	78
1.5715	16NiCrS4	84	95	122
1.5752	15NiCr13	229	258	334
1.5810	18 NiCr 5-4	109	123	159
1.5918	17 CrNi 6-6	131	147	190
1.6510	39 NiCrMo 3	105	118	152
1.6511	36 CrNiMo 4	126	142	183
1.6522	20 NiCrMo 2	80	91	117
1.6523	20 NiCrMo 2-2	83	93	120
1.6526	20NiCrMoS2-2	82	92	119
1.6527	20NiCrMo3	97	109	141
1.6541	23 MnNiCrMo 5 2	91	102	132
1.6562	40 NiCrMo 8-4	195	220	284
1.6563	41 NiCrMo 7-3-2	178	200	259
1.6566	17 NiCrMo 6-4	142	160	206
1.6580	30 CrNiMo 8	241	271	350
1.6582	34 CrNiMo 6	163	183	237
1.6587	18 CrNiMo 7-6	192	216	279
1.6657	14 NiCrMo 13-4	269	303	392
1.6758	23 MnNiMoCr 5-4	169	190	246
1.6782	16NiCrMo12-6	278	313	405

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1.6959	35 NiCrMoV 12-5	438	493	638
1.7016	17Cr3	21	23	29
1.7033	34Cr4	24	27	34
1.7034	37Cr4	24	27	34
1.7035	41Cr4	24	27	34
1.7039	41CrS4	24	27	34
1.7043	38Cr4	24	27	34
1.7076	32CrB4	22	25	32
1.7077	36CrB4	23	26	32
1.7117	52SiCrNi5	68	76	99
1.7131	16 MnCr 5	25	28	35
1.7137	60 MnCrB 3	20	23	29
1.7139	16 MnCrS 5	25	28	35
1.7147	20 MnCr 5	29	32	41
1.7148	30MnCrB4-2	29	32	41
1.7149	20 MnCrS 5	29	32	41
1.7160	16 MnCrB 5	22	25	32
1.7168	18 MnCrB 5	26	29	37
1.7176	55Cr3	22	25	32
1.7177	60Cr3	17	20	25
1.7182	27 MnCrB 5 2	14	16	20
1.7185	33 MnCrB 5 2	15	16	21
1.7213	25 CrMoS 4	59	66	85
1.7216	30 CrMo 4	54	60	77
1.7218	25CrMo4	59	66	85
1.7220	34 CrMo 4	59	66	85
1.7223	41 CrMo 4	60	68	87
1.7225	42CrMo4	61	68	88
1.7226	34 CrMoS 4	61	68	88
1.7227	42 CrMoS 4	61	68	88
1.7228	50 CrMo 4	60	68	87
1.7243	18 CrMo 4	57	64	82
1.7311	20CrMo2	73	82	106
1.7319	20 MoCrS 3	76	85	110
1.7321	20 MoCr 4	87	97	126
1.7323	20 MoCrS 4	87	97	126
1.7325	25 MoCr 4	88	99	127
1.7326	25 MoCrS 4	88	99	127
1.7335	13 CrMo 4-5	93	104	134
1.7362	X12CrMo5	180	202	258
1.7380	10 CrMo 9 10	207	232	300
1.7383	11 CrMo 9-10	207	233	300
1.7386	X 12 CrMo 9 1	337	379	484
1.7701	52CrMoV4	199	223	289
1.8062	46SiCrMo6	62	70	90
1.8159	51CrV4	189	212	274
1.8161	58 CrV 4	162	182	235
1.8201	7CrWVMoNb9-6	298	335	433
1.8515	31 CrMo 12	121	137	175
1.8519	31 CrMoV 9	218	245	316
1.8550	34 CrAlNi 7-10	136	153	197
1.8871	P460QH	64	72	94
1.8901	S 460 N	235	264	342
1.8905	P 460 N	56	63	81
1.8907	StE 500	68	76	99
1.8915	P460NL1	59	67	86
1.8928	S690QL	142	160	206

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1E 836\1E 1120		50	57	73
1E 0778		61	69	89
1E 1054		74	83	107
1E 0769		9	10	13
1E 0509		53	59	76
1E 0621		7	7	10
1E 0686		8	9	12
1E 0951		41	46	60
1E1058		64	72	93
STE 690		204	229	297
1E 0669		7	7	10
1E1497		102	114	148
42CrMo4+Ni+V		178	200	259
F11		99	111	143
F22		203	228	294
B30		13	14	18
123-35MnCrB5		20	22	28
113-35CrB5		24	27	34
108-C40Mn		14	16	20
22MnV6		152	171	222
107-38MnV5		125	141	183
42CrMo4 PBK		65	74	95
42CrMo4 JMBK		78	87	113
X19NiCrMo4		316	355	460
30NiCrMoV7		248	279	360
21CrMoV5.11		468	527	682
A193 B16	ASTM	381	428	554
605M36		50	56	73
MTS 238 / SAE 1141/I		10	11	14
A320 L7		83	94	121
SAE 4320 JDM		174	195	253
A 1041 F		9	10	13
RES166380		44	49	64
RES 10460		16	17	23
8630/vgs		153	172	222
86B45 H		77	86	111
AMS 6418		206	232	301
AISI 8720		86	97	125
SAE 8627H		80	90	116
SAE 8822H		100	113	146
Steel 9313		260	292	378
B222-8		87	98	126
B222-5		49	55	71
B79		103	115	149
JDM 4320		168	189	245
PS65		21	24	31
B222-6(4122 MOD)		43	49	63
B63-2 (V2525-60)		98	111	142
VSCH CRNI 2525 HL		92	103	133
92421		94	106	137
V 2525-50		108	122	157
23CrMoB3		71	80	103
92523		118	132	171
B46-1		145	164	211
B63-1		96	108	139
Aisi 4718		134	151	195
Aisi 4815		315	354	459
1.1301-1.1302 mod		118	133	173

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23MCD5		59	67	85
1 E 1286		94	106	136
30 Cr Si Mo V 663		184	207	268
41CrS4 Mod 27		39	44	56
15CrNi6		129	146	188
ste890		196	220	285
23MnNiCrMo5.2		96	109	140
TK23F		52	59	76
S1060		218	245	317
25CRNIMO2		119	134	173
SAE 8620		83	93	120
D60SiMn5/ A1		22	25	32
39MNCRB6		18	20	26
P420 QH		96	108	140
SA 508 Gr. 3		132	148	192
SA 765 Gr. 4		66	75	97
A694 F65		76	86	111
A182 F1		94	106	138
33MNCRMOB5		40	45	58
37MNCRMOB5		35	39	50
35MNB5		18	21	26
1DRB		34	39	50
47TS2		13	14	18
PS30 SAE 4715		138	155	200
PS55		254	286	370
43crnimo4.6		156	176	227
X30Cr13		235	264	333
92520		142	160	206
TK28A		53	59	76
F22 MOD		232	261	336
V2906		84	94	122
V2908-95		14	16	21
V2525-70		94	106	136
V2527-70		140	157	203
VW 4227		25	28	35
VW 4521		180	202	262
VW1427		138	155	201
ZF 1		131	147	190
ZF 1 A		191	215	278
ZF 6		32	36	46
ZF 49		132	148	192
ZF 50		5	6	7
ZF 63		26	29	37
ZF 64		24	27	34
ZF 7 B		29	32	41