

**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 Febbraio 2019 - valid for February 2019 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
<b>Acciai per bulloneria / Bolts and nuts steels</b>				
38 Cr 1 KB	EN 10263	10	12	15
38 Cr 2 KB	EN 10263-4	14	16	20
34 - 41Cr 4 KB	EN 10263-4	21	24	31
25 - 42 CrMo 4 KB	EN 10263-4	58	65	84
30 -40 NiCrMo 2 KB	EN 10263	87	98	126
38 NiCrMo 4 KB	EN 10263	102	115	148
34 CrNiMo 6 KB	EN 10263-4	154	173	223
40 NiCrMo 7 KB	EN 10263	162	182	235
<b>Acciai da bonifica / Hardening and tempering steels</b>				
QS1105200		11	12	15
41 Cr 4	EN 10083.1	22	25	32
36 CrMn 4	UNI 7847	23	26	33
51 CrV 4	EN 10083.1	183	206	266
25 - 42 CrMo 4	EN 10083.1	57	64	83
20-25 MoCr4		85	95	123
40 NiCrMo 2	EN 10083.1	81	91	118
36CrNiMo4	EN 10083.1	107	121	156
39 NiCrMo 3	EN 10083.1	101	114	147
40 NiCrMo 7	UNI 6926	163	183	237
30CrNiMo 8	EN 10083.1	219	247	318
30 NiCrMo 12		266	299	387
30 NiCrMoV 12	UNI 6787	384	432	560
36 NiCrMo 16	EN 10083.1	308	347	448
<b>Acciai da cementazione / Case hardening steels</b>				
16 MnCr 5	EN 10084	23	26	33
20 MnCr 5	EN 10084	27	30	39
SAE 94B17		49	55	72
18 CrMo 4	EN 10084	53	60	77
12 NiCr 3		50	57	73
16 - 20 CrNi 4	EN 10084	76	86	111
16 NiCr 11	EN 10084	173	194	251
16 - 20 NiCrMo 2	EN 10084	77	87	113
18 NiCrMo 5	EN 10084	130	146	189
17 CrNiMo 6	EN 10084	175	197	254
18 NiCrMo 7	EN 10084	178	200	259

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<b>Acciai da nitrurazione / Nitriding steels</b>				
31 CrMo 12	EN 10085	112	126	161
31 CrMoV 9	EN 10085	206	232	299
34 - 42CrAlMo 7	EN 10085	78	88	113
<b>Acciai per tempra superficiale / Surface hardening steels</b>				
38 Cr 4	UNI 7847	21	24	30
36 CrMn 4	UNI 7847	24	27	35
41 CrMo 4	UNI 7847	52	58	75
40 NiCrMo 3	UNI 7847	101	114	147
<b>Acciai alte temperature / Creep resisting steels</b>				
16 Mo 5	EN 10216	92	104	134
14 CrMo 3	EN 10216	105	118	152
18 CrMoSi 4	EN 10222	113	127	164
11 CrMo 9 10	EN 10222.2	196	220	284
16 CrMo 20 5	EN 10216.2	163	183	234
<b>Acciai basse temperature / Steels for low temperatures</b>				
18 Ni 14	EN 10216-4	206	232	300
X 12 Ni 09	EN10222-4	526	591	766
<b>Acciai per cuscinetti / Bearing steels</b>				
100 Cr 6	EN 683.17	26	29	37
100 CrMo 7	EN 683.17	69	78	100
100 CrMn 4	EN 683.17	22	25	31
<b>Acciai per molle / Spring steels</b>				
48 - 60 Si 7	EN 10089	17	19	25
60 SiCr 8	EN 10089	23	26	34
52 SiCrNi 5	EN 10089	62	69	89
45 SiCrMo 6	EN 10089	55	61	79
55 Cr 3	EN 10089	18	20	26
50 CrV 4	EN 10089	174	196	253
51 CrMoV 4	EN 10089	192	216	280
<b>Acciai microlegati / Micro-alloyed steels</b>				
19 - 46 MnV 6	EN 10267	110	124	160
19 - 46 MnVS 6	EN 10267	111	124	161
38MnSiVS6		112	126	163
D25M6		122	138	178
48MnV3		97	109	141
<b>Acciai vari / Other steels</b>				
1.0038	S235JR	5	5	7
1.0432	C21	9	10	13
1.0460	P250GH	4	5	6
1.0482	19Mn5	11	13	16
1.0503	C45	4	5	6
1.0511	C40	4	5	6
1.0528	C30	4	5	6
1.0535	C55	7	7	10
1.0540	C50	5	6	7
1.0553	S355J0	11	13	17
1.0565	P355NH	11	12	16
1.0566	P355NL1	9	10	13
1.0570	S355J2G3	9	10	13
1.0577	S355J2	11	12	16
1.0721	10S20	7	8	11
1.0764	36SMn14	10	11	15
1.1108	10Mn4	9	10	13
1.1127	38Mn6	12	14	18
1.1132	C15E2C	5	6	7
1.1140	C15R	5	5	7
1.1141	C15E	4	5	6
1.1160	22Mn6	13	14	18
1.1167	36Mn5	9	10	13

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
1.1181	C35E	5	6	8
1.1191	C45E/CK45	6	7	9
1.1197	25MnV5	63	71	93
1.1201	C45R	4	5	6
1.1206	C50E	5	6	7
1.1213	CF53	4	4	5
1.1219	C56E2	5	6	7
1.1231	C67S	7	8	10
1.1236	C66D2	4	5	6
1.1241	C50R	5	6	7
1.1301	19MnVS6	110	124	160
1.1302	30MnVS6	111	124	161
1.1303	38MnVS6	119	134	174
1.1304	46MnVD6	119	134	174
1.1305	46MnVS3	133	150	194
1.2007	70Cr2	16	19	24
1.2067	102Cr6	26	29	37
1.2242	59CrV4	112	126	163
1.2826	60MnSiCr4	17	19	25
1.3505	100Cr6	26	29	37
1.3520	100CrMnSi6-4	39	44	57
1.3531	16CrNiMo6	164	184	238
1.3536	100CrMo7-3	76	85	110
1.3537	100CrMo7	62	70	89
1.3538	100CrMo7-4	104	117	150
1.3539	100CrMnMoSi8-4-6	124	140	180
1.4903	X10CrMoVNb9-1	500	562	724
1.5066	30Mn5	11	12	16
1.5216	17MnV6	146	164	213
1.5217	20MnV6	145	164	212
1.5223	42MnV7	102	115	149
1.5231	38MnSiVS5	112	126	163
1.5232	27MnSiVS6	120	135	176
1.5233	44MnSiVS6	120	135	176
1.5415	16Mo3	53	59	77
1.5423	16Mo5	90	102	132
1.5523	19MnB4	7	7	10
1.5526	30MNB4	12	13	17
1.5532	38MnB5	9	10	13
1.5662	X 8 Ni 9	524	590	764
1.5708	12NiCr3	49	55	71
1.5715	16NiCrS4	76	86	111
1.5752	15NiCr13	206	231	300
1.5810	18 NiCr 5-4	98	111	143
1.5918	17 CrNi 6-6	117	132	170
1.6510	39 NiCrMo 3	96	109	140
1.6511	36 CrNiMo 4	116	130	168
1.6522	20 NiCrMo 2	75	85	110
1.6523	20 NiCrMo 2-2	77	87	113
1.6526	20NiCrMoS2-2	76	86	111
1.6527	20NiCrMo3	90	101	131
1.6541	23 MnNiCrMo 5 2	87	97	126
1.6562	40 NiCrMo 8-4	180	202	261
1.6563	41 NiCrMo 7-3-2	163	183	237
1.6566	17 NiCrMo 6-4	130	146	189
1.6580	30 CrNiMo 8	219	247	318
1.6582	34 CrNiMo 6	148	167	215
1.6587	18 CrNiMo 7-6	175	197	254
1.6657	14 NiCrMo 13-4	244	274	355
1.6758	23 MnNiMoCr 5-4	160	179	232
1.6782	16NiCrMo12-6	253	284	367

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
1.6959	35 NiCrMoV 12-5	408	459	594
1.7016	17Cr3	19	22	27
1.7033	34Cr4	22	25	32
1.7034	37Cr4	22	25	32
1.7035	41Cr4	22	25	32
1.7039	41CrS4	22	25	32
1.7043	38Cr4	22	25	32
1.7076	32CrB4	20	23	29
1.7077	36CrB4	21	24	30
1.7117	52SiCrNi5	62	69	89
1.7131	16 MnCr 5	23	26	34
1.7137	60 MnCrB 3	19	22	27
1.7139	16 MnCrS 5	23	26	34
1.7147	20 MnCr 5	27	30	39
1.7148	30MnCrB4-2	27	30	39
1.7149	20 MnCrS 5	27	30	39
1.7160	16 MnCrB 5	22	24	31
1.7168	18 MnCrB 5	25	28	35
1.7176	55Cr3	21	24	30
1.7177	60Cr3	17	19	24
1.7182	27 MnCrB 5 2	15	17	22
1.7185	33 MnCrB 5 2	16	18	23
1.7213	25 CrMoS 4	56	62	80
1.7216	30 CrMo 4	50	56	72
1.7218	25CrMo4	56	62	80
1.7220	34 CrMo 4	56	62	80
1.7223	41 CrMo 4	57	64	82
1.7225	42CrMo4	57	64	83
1.7226	34 CrMoS 4	57	64	83
1.7227	42 CrMoS 4	57	64	83
1.7228	50 CrMo 4	57	64	82
1.7243	18 CrMo 4	53	60	77
1.7311	20CrMo2	70	79	102
1.7319	20 MoCrS 3	73	82	106
1.7321	20 MoCr 4	84	94	122
1.7323	20 MoCrS 4	84	94	122
1.7325	25 MoCr 4	85	95	123
1.7326	25 MoCrS 4	85	95	123
1.7335	13 CrMo 4-5	88	99	128
1.7362	X12CrMo5	162	182	233
1.7380	10 CrMo 9 10	194	219	282
1.7383	11 CrMo 9-10	195	219	283
1.7386	X 12 CrMo 9 1	302	340	434
1.7701	52CrMoV4	192	216	280
1.8062	46SiCrMo6	59	66	86
1.8159	51CrV4	183	206	266
1.8161	58 CrV 4	156	176	227
1.8201	7CrWVMoNb9-6	285	321	415
1.8515	31 CrMo 12	111	124	159
1.8519	31 CrMoV 9	206	232	299
1.8550	34 CrAlNi 7-10	123	139	179
1.8871	P460QH	65	74	95
1.8901	S 460 N	229	258	334
1.8905	P 460 N	53	60	78
1.8907	StE 500	64	73	94
1.8915	P460NL1	57	64	83
1.8928	S690QL	130	146	189

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1E 836\1E 1120		49	55	71
1E 0778		59	66	86
1E 1054		71	79	102
1E 0769		12	13	17
1E 0509		50	57	73
1E 0621		8	9	12
1E 0686		10	12	15
1E 0951		41	46	59
1E1058		60	68	87
STE 690		194	218	282
1E 0669		8	9	12
1E1497		101	113	147
42CrMo4+Ni+V		169	191	246
F11		93	105	135
F22		191	215	277
B30		14	16	20
123-35MnCrB5		20	23	29
113-35CrB5		22	25	32
108-C40Mn		15	17	22
22MnV6		150	168	218
107-38MnV5		124	139	181
42CrMo4 PBK		62	69	89
42CrMo4 JMBK		74	83	107
X19NiCrMo4		284	320	414
30NiCrMoV7		231	259	336
21CrMoV5.11		453	509	659
A193 B16	ASTM	369	415	537
605M36		51	57	74
MTS 238 / SAE 1141/I		12	14	18
A320 L7		78	88	113
SAE 4320 JDM		159	179	231
A 1041 F		12	13	17
RES166380		43	49	63
RES 10460		19	21	28
8630/vgs		143	161	208
86B45 H		72	81	105
AMS 6418		192	216	280
AISI 8720		81	91	117
SAE 8627H		75	84	108
SAE 8822H		95	107	138
Steel 9313		234	263	341
B222-8		83	94	121
B222-5		48	54	69
B79		97	109	141
JDM 4320		154	173	224
PS65		21	23	30
B222-6(4122 MOD)		42	48	61
B63-2 (V2525-60)		90	102	131
VSCH CRNI 2525 HL		84	94	122
92421		90	102	131
92216		27	30	39
V 2525-50		100	112	145
23CrMoB3		68	76	99
92523		108	121	157
B46-1		133	150	194
B63-1		87	98	126
Aisi 4718		125	141	182
Aisi 4815		290	326	422
1.1301-1.1302 mod		118	133	172

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
23MCD5		56	63	80
1 E 1286		91	102	132
30 Cr Si Mo V 663		175	196	253
41CrS4 Mod 27		36	41	52
15CrNi6		115	129	167
ste890		179	202	261
23MnNiCrMo5.2		92	103	133
TK23F		49	55	72
S1060		200	225	291
25CRNIMO2		112	126	163
SAE 8620		77	87	113
D60SiMn5/ A1		22	24	31
39MNCRB6		19	21	28
P420 QH		92	104	135
SA 508 Gr. 3		127	143	185
SA 765 Gr. 4		66	74	96
A694 F65		77	86	112
A182 F1		92	104	135
33MNCRMOB5		39	44	57
37MNCRMOB5		34	39	50
35MNB5		19	22	28
1DRB		34	38	49
47TS2		14	15	20
PS30 SAE 4715		130	146	189
PS55		237	266	345
43crnimo4.6		143	160	207
X30Cr13		196	220	278
92520		130	146	189
TK28A		50	56	73
F22 MOD		217	244	315
TS45.02		5	6	7
86CrMoV7		137	154	198
56NiCrMoV7		286	321	416
V2906		83	93	121
V2908-95		16	18	24
V2525-70		85	96	123
V2527-70		125	141	181
VW 4227		24	27	34
VW 4521		165	186	240
VW1427		137	154	200
ZF 1		117	132	170
ZF 1 A		175	197	254
ZF 6		31	35	44
ZF 49		130	146	190
ZF 50		6	7	9
ZF 63		24	27	34
ZF 64		22	25	31
ZF 7 B		27	30	39