

**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 Ottobre 2023- valid for October 2023 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	EN 10263	9	10	12
38 Cr 2	EN 10263-4	13	14	16
34 - 41Cr 4	EN 10263-4	21	23	26
25 - 42 CrMo 4	EN 10263-4	125	137	154
30 -40 NiCrMo 2	EN 10263	212	231	260
38 NiCrMo 4	EN 10263	247	270	303
34 CrNiMo 6	EN 10263-4	371	404	455
40 NiCrMo 7	EN 10263	406	443	498
Acciai da bonifica / Hardening and tempering steels				
QS1105200		7	8	9
41 Cr 4	EN 10083.1	22	24	27
36 CrMn 4	UNI 7847	23	25	28
51 CrV 4	EN 10083.1	50	54	61
25 - 42 CrMo 4	EN 10083.1	125	137	154
20-25 MoCr4		215	235	264
40 NiCrMo 2	EN 10083.1	196	214	241
36CrNiMo4	EN 10083.1	255	279	313
39 NiCrMo 3	EN 10083.1	246	269	302
40 NiCrMo 7	UNI 6926	410	447	503
30CrNiMo 8	EN 10083.1	538	587	660
30 NiCrMo 12		693	756	850
30 NiCrMoV 12	UNI 6787	721	786	884
36 NiCrMo 16	EN 10083.1	779	850	957
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	22	24	27
20 MnCr 5	EN 10084	26	28	32
SAE 94B17		108	118	133
18 CrMo 4	EN 10084	112	122	137
12 NiCr 3		112	122	138
16 - 20 CrNi 4	EN 10084	169	184	208
16 NiCr 11	EN 10084	430	469	528
16 - 20 NiCrMo 2	EN 10084	187	204	230
18 NiCrMo 5	EN 10084	317	346	389
17 CrNiMo 6	EN 10084	422	461	518
18 NiCrMo 7	EN 10084	452	493	555
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	232	253	285
31 CrMoV 9	EN 10085	157	171	193
34 - 41CrAlMo 7	EN 10085	190	207	233
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	21	23	26
36 CrMn 4	UNI 7847	23	26	29
41 CrMo 4	UNI 7847	110	121	136
40 NiCrMo 3	UNI 7847	245	267	301

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	252	274	309
14 CrMo 3	EN 10216	266	290	326
18 CrMoSi 4	EN 10222	275	300	338
11 CrMo 9 10	EN 10222.2	491	535	602
16 CrMo 20 5	EN 10216.2	331	361	406
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	538	587	660
X 12 Ni 09	EN10222-4	1381	1507	1695
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	27	30	34
100 CrMo 7	EN 683.17	145	158	177
100 CrMn 4	EN 683.17	20	22	25
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	17	18	21
60 SiCr 8	EN 10089	24	26	29
52 SiCrNi 5	EN 10089	119	130	147
45 SiCrMo 6	EN 10089	114	124	140
55 Cr 3	EN 10089	17	19	21
50 CrV 4	EN 10089	48	53	59
51 CrMoV 4	EN 10089	136	148	167
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	25	28	31
19 - 46 MnVS 6	EN 10267	26	29	32
38MnSiVS6		28	30	34
D25M6		30	33	37
48MnV3		21	23	25
Acciai vari / Other steels				
1.0038	S235JR	2	2	2
1.0432	C21	4	5	5
1.0460	P250GH	3	3	3
1.0482	19Mn5	9	9	11
1.0503	C45	3	3	3
1.0511	C40	3	3	3
1.0528	C30	3	3	3
1.0535	C55	3	3	4
1.0540	C50	3	3	4
1.0553	S355J0	7	8	9
1.0565	P355NH	5	6	6
1.0566	P355NL1	5	6	6
1.0570	S355J2G3	5	6	7
1.0577	S355J2	7	8	8
1.0715	11SMn30	5	5	6
1.0721	10S20	5	6	6
1.0726	35S20	7	7	8
1.0764	36SMn14	6	6	7
1.1108	10Mn4	6	7	8
1.1121	C10E	4	4	5
1.1127	38Mn6	8	9	10
1.1132	C15E2C	4	4	5
1.1140	C15R	4	4	5
1.1141	C15E	4	4	5
1.1160	22Mn6	9	10	11
1.1167	36Mn5	5	6	7
1.1181	C35E	4	5	5
1.1191	C45E/CK45	4	5	6
1.1197	25MnV5	16	18	20
1.1201	C45R	3	3	3
1.1206	C50E	3	3	4
1.1213	CF53	2	2	3
1.1219	C56E2	3	3	4
1.1221	C60E	5	5	6
1.1231	C67S	5	5	6
1.1236	C66D2	3	3	4
1.1241	C50R	3	3	4
1.1301	19MnVS6	25	28	31
1.1302	30MnVS6	26	29	32
1.1303	38MnVS6	28	30	34

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1.1304	46MnVD6	27	30	34
1.1305	46MnVS3	28	31	35
1.2007	70Cr2	15	17	19
1.2067	102Cr6	27	30	34
1.2242	59CrV4	38	41	46
1.2826	60MnSiCr4	16	17	20
1.3505	100Cr6	27	30	34
1.3520	100CrMnSi6-4	49	53	60
1.3531	16CrNiMo6	401	437	492
1.3536	100CrMo7-3	158	172	193
1.3537	100CrMo7	123	134	150
1.3538	100CrMo7-4	236	258	290
1.3539	100CrMnMoSi8-4-6	286	312	313
1.4021	X 20 Cr 13	221	242	272
1.4901	X10CrWMoVNb9-2	976	1065	1198
1.4903	X10CrMoVNb9-1	629	686	772
1.5066	30Mn5	7	8	9
1.5120	38MnSi4	11	12	14
1.5216	17MnV6	31	34	38
1.5217	20MnV6	31	34	38
1.5223	42MnV7	24	26	30
1.5231	38MnSiVS5	28	30	34
1.5232	27MnSiVS6	29	32	35
1.5233	44MnSiVS6	29	32	35
1.5243	42MnSiV3 - 3	21	23	26
1.5415	16Mo3	139	152	171
1.5423	16Mo5	250	272	306
1.5523	19MnB4	4	4	5
1.5526	30MnB4	9	10	11
1.5527	40MnB4	11	12	13
1.5532	38MnB5	5	6	6
1.5662	X 8 Ni 9	1380	1506	1694
1.5708	12NiCr3	110	120	135
1.5715	16NiCrS4	169	184	208
1.5752	15NiCr13	515	562	633
1.5810	18 NiCr 5-4	227	247	278
1.5918	17 CrNi 6-6	265	289	325
1.6510	39 NiCrMo 3	235	257	289
1.6511	36 CrNiMo 4	281	307	345
1.6522	20 NiCrMo 2	185	202	227
1.6523	20 NiCrMo 2-2	187	204	230
1.6526	20NiCrMoS2-2	186	203	228
1.6527	20NiCrMo3	223	244	274
1.6541	23 MnNiCrMo 5 2	210	229	257
1.6562	40 NiCrMo 8-4	455	497	559
1.6563	41 NiCrMo 7-3-2	410	447	503
1.6566	17 NiCrMo 6-4	317	346	389
1.6580	30 CrNiMo 8	538	587	660
1.6582	34 CrNiMo 6	387	422	475
1.6587	18 CrNiMo 7-6	422	461	518
1.6657	14 NiCrMo 13-4	668	729	820
1.6758	23 MnNiMoCr 5-4	413	451	507
1.6782	16NiCrMo12-6	645	704	792
1.6959	35 NiCrMoV 12-5	753	821	924
1.7016	17Cr3	19	20	23
1.7033	34Cr4	22	24	27
1.7034	37Cr4	22	24	27
1.7035	41Cr4	22	24	27
1.7039	41CrS4	22	24	27
1.7043	38Cr4	22	24	27
1.7076	32CrB4	20	22	24
1.7077	36CrB4	21	23	26
1.7117	52SiCrNi5	119	130	147
1.7131	16 MnCr 5	22	24	27
1.7137	60 MnCrB 3	18	20	22
1.7139	16 MnCrS 5	22	24	27
1.7147	20 MnCr 5	26	28	32
1.7148	30MnCrB4-2	26	28	32
1.7149	20 MnCrS 5	26	28	32

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1.7160	16 MnCrB 5	20	22	24
1.7168	18 MnCrB 5	23	26	29
1.7176	55Cr3	20	22	25
1.7177	60Cr3	15	17	19
1.7182	27 MnCrB 5 2	12	13	15
1.7185	33 MnCrB 5 2	13	14	15
1.7213	25 CrMoS 4	123	134	151
1.7216	30 CrMo 4	122	134	150
1.7218	25CrMo4	125	137	154
1.7220	34 CrMo 4	125	137	154
1.7223	41 CrMo 4	125	137	154
1.7225	42CrMo4	125	137	154
1.7226	34 CrMoS 4	125	137	154
1.7227	42 CrMoS 4	125	137	154
1.7228	50 CrMo 4	125	137	154
1.7243	18 CrMo 4	112	122	137
1.7311	20CrMo2	172	187	211
1.7319	20 MoCrS 3	171	187	210
1.7321	20 MoCr 4	214	234	263
1.7323	20 MoCrS 4	214	234	263
1.7325	25 MoCr 4	215	235	264
1.7326	25 MoCrS 4	215	235	264
1.7335	13 CrMo 4-5	220	240	270
1.7337	16 CrMo 4-4	224	244	274
1.7362	X12CrMo5	329	359	404
1.7380	10 CrMo 9 10	490	534	601
1.7383	11 CrMo 9-10	490	534	601
1.7386	X 12 CrMo 9 1	609	664	747
1.7701	52CrMoV4	136	148	167
1.7765	32CrMoV12-10	546	596	670
1.8062	46SiCrMo6	126	137	154
1.8159	51CrV4	50	54	61
1.8161	58 CrV 4	45	49	56
1.8201	7CrWVMoNb9-6	156	170	192
1.8515	31 CrMo 12	231	252	283
1.8519	31 CrMoV 9	157	171	193
1.8550	34 CrAlNi 7-10	288	314	353
1.8871	P460QH	17	19	21
1.8901	S 460 N	215	235	264
1.8905	P 460 N	117	128	144
1.8907	StE 500	142	155	175
1.8915	P460NL1	123	134	151
1.8928	S690QL	317	346	389
92145		31	33	38
92216		26	28	31
92421		221	241	271
92520		317	346	389
92523,0		251	274	308
0078 A		180	196	221
1.1301-1.1302 mod		26	28	32
107-38MnV5		26	28	31
108-C40Mn		12	13	15
113-35CrB5		21	23	26
123-35MnCrB5		18	19	22
129		13	14	16
15CrNi6		259	283	318
18NCD4 RENAULT (C9)		189	206	232
18M		43	47	52
1DRB		55	60	68
15NICUMONB5		351	383	431
16NiCrMo12		637	695	782
20MNCr5F		94	102	115
20NiCr6		230	250	282
21CrMoV5.11		540	589	662
21CRMov5.7		371	405	455
22MnV6		59	65	73
23CrMoB3		158	172	194
23MCD5		103	112	126
23MnNiCrMo5.2		219	239	269

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25CRNIMO2		278	304	342
27MnMoNiCr-AF		523	570	642
28 CDV5.08		448	488	550
30 Cr Si Mo V 663		173	189	213
30CRMV10F		283	308	347
30NiCrMoV7		460	502	565
33MB		8	8	9
33MNCRMOB5		78	85	96
33MnCrMoB5-2 - AF		106	116	130
35MB4-2		9	10	11
35MNB5		16	18	20
37MNCRMOB5		64	70	79
39MNCRB6		16	17	19
368.6		137	150	169
40-45CrMo4+Ni		193	210	237
4130M		162	177	199
4140 MOD		169	184	207
AISI 4130H		130	142	160
41CrS4 Mod 27		60	65	73
42CrMo4 JMBK		170	186	209
42CRMO4 MOD.		211	230	259
42CrMo4 PBK		135	147	165
42CrMo4+Ni+V		198	216	243
4330		515	561	631
4330V		664	725	815
43crnimo4.6		348	380	428
45CRNIS+MO		98	107	120
45SiCrV6		52	56	63
4M		72	79	89
47TS2		11	12	14
50CRNIMOV4		201	219	247
50NICR13		515	562	633
56NiCrMoV7		514	561	631
605M36		120	131	148
61CrSiV5		48	53	59
8630/vgs		355	387	435
86B45 H		170	185	209
86CrMoV7		147	160	180
90MnCrV8		34	38	42
92523 Crown Wheel		251	274	308
92523 Pinion		245	268	301
9310 H		569	621	699
9313.0		594	648	729
A105/LF2/F52		42	46	52
A 1041 F		8	9	10
A182 F1		252	274	309
A182 F22 MOD.		489	534	601
A182F22 MOD 2		528	576	648
A193 B16	ASTM	303	330	372
A193 B7		125	137	154
A320 L7		177	193	218
A350 LF2/A105		5	6	6
A694 F65		19	21	23
A707L3 CL.3		59	64	72
ABSBAIN20		132	144	163
ABSBAIN20Eco		108	118	133
ABSBAIN40		149	162	183
AAR GRADE F		51	55	62
AISI 4140 MOD.80/110KSI		135	147	166
AISI 4145 MOD. 125KSI		196	214	240
Aisi 4130 MOD. R		171	187	210
AISI 4130H/UNS H41300		110	120	135
Aisi 4718		319	348	391
Aisi 4815		654	713	802
Aisi 8630 MOD		338	368	414
AISI 8720		193	211	237
AISI410		250	273	307
AISI/SAE 4037 MOD		95	104	117

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
AMS 66320		219	239	268
AMS 6418		482	526	592
B222-5		98	107	121
B222-6(4122 MOD)		87	95	107
B222-7		90	98	110
B222-8		197	215	242
B30		11	12	14
B46-1		326	356	400
B63-1		191	209	235
B63-2 (V2525-60)		202	221	248
B79		240	262	294
C38N2		13	14	16
C38MNS6+AL		13	14	16
C50+MO		30	33	37
D60SiMn5/ A1		21	23	26
F11		229	250	281
F22		486	530	596
F22 MOD		546	596	671
Grade 50R		206	225	253
HMS 60		397	433	487
ITM 129		13	14	16
JDM 4320H		397	433	487
MTS 238 / SAE 1141/I		9	9	10
P420 QH		156	171	192
PS30 SAE 4715		362	394	444
PS55		623	679	764
PS65		19	21	24
RES 10460		7	8	9
RES166380		88	96	108
S1060		494	539	606
S460NL		86	93	105
S690QL1 1.8988		283	309	347
SA 508 Gr. 3		332	362	407
SA 765 Gr. 4		40	44	49
SAE 1017 MOD		9	10	11
SAE 4130 MOD2		184	200	226
SAE 4140		103	112	126
SAE 4320 JDM		408	445	501
SAE 4820		660	720	810
SAE 8620		187	204	230
SAE 8627H		179	195	219
SAE 8822H		236	257	290
STE460		77	84	95
STE 690		375	409	461
STE 690V		260	283	319
STE500/GSA10		36	39	44
ste890		443	483	544
Steel 9313		579	632	711
TK23F		99	108	122
TK28A		102	111	125
TS45.02		3	3	4
UC1		5	5	6
V 2525-50		232	254	285
V2525-70		189	206	232
V2527-70		287	313	352
V2905-95		18	20	22
V2906		18	20	23
V2908-95		13	14	16
VSCH CRNI 2525 HL		186	203	228
VSCH-CRNI(S)-2525-U/HH+		186	203	229
VSCH-MNCR(S)-2158-U-HM		51	56	62
VSCH-MNCR(S)-2158-U-HH		55	61	68
VW 4227		22	24	27
VW 4521		423	462	519
VW1427		31	33	37
X19NiCrMo4		771	841	946
X30Cr13		214	233	263
ZF 1		265	289	325
ZF 1 A		422	460	517
ZF 49		25	27	30
ZF 50		5	5	6
ZF 6		45	49	55
ZF 63		23	25	29
ZF 64		22	24	27

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ZF 7 B		26	28	32