

**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 2023- valid for July 2023 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	rbs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1	EN 10263	13	14	16
38 Cr 2	EN 10263-4	18	20	22
34 - 41Cr 4	EN 10263-4	29	32	36
25 - 42 CrMo 4	EN 10263-4	122	133	150
30 -40 NiCrMo 2	EN 10263	214	234	263
38 NiCrMo 4	EN 10263	254	277	311
34 CrNiMo 6	EN 10263-4	387	423	475
40 NiCrMo 7	EN 10263	423	461	519
Acciai da bonifica / Hardening and tempering steels				
QS1105200		11	12	13
41 Cr 4	EN 10083.1	30	33	37
36 CrMn 4	UNI 7847	31	34	38
51 CrV 4	EN 10083.1	60	65	73
25 - 42 CrMo 4	EN 10083.1	122	133	150
20-25 MoCr4		199	217	244
40 NiCrMo 2	EN 10083.1	198	216	243
36CrNiMo4	EN 10083.1	267	291	328
39 NiCrMo 3	EN 10083.1	253	276	310
40 NiCrMo 7	UNI 6926	427	466	524
30CrNiMo 8	EN 10083.1	557	608	684
30 NiCrMo 12		711	776	873
30 NiCrMoV 12	UNI 6787	740	808	909
36 NiCrMo 16	EN 10083.1	821	896	1008
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	30	33	37
20 MnCr 5	EN 10084	35	39	43
SAE 94B17		112	122	137
18 CrMo 4	EN 10084	110	120	135
12 NiCr 3		125	136	153
16 - 20 CrNi 4	EN 10084	188	205	231
16 NiCr 11	EN 10084	469	512	576
16 - 20 NiCrMo 2	EN 10084	189	207	232
18 NiCrMo 5	EN 10084	331	361	406
17 CrNiMo 6	EN 10084	438	478	538
18 NiCrMo 7	EN 10084	465	507	570
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	231	252	284
31 CrMoV 9	EN 10085	164	179	202
34 - 41CrAlMo 7	EN 10085	185	202	227
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	29	32	36
36 CrMn 4	UNI 7847	32	35	40
41 CrMo 4	UNI 7847	108	118	133
40 NiCrMo 3	UNI 7847	253	276	310

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Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	227	248	279
14 CrMo 3	EN 10216	246	268	302
18 CrMoSi 4	EN 10222	260	283	319
11 CrMo 9 10	EN 10222.2	457	499	561
16 CrMo 20 5	EN 10216.2	333	364	409
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	582	634	714
X 12 Ni 09	EN10222-4	1492	1628	1832
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	38	41	46
100 CrMo 7	EN 683.17	144	157	177
100 CrMn 4	EN 683.17	28	30	34
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	27	29	33
60 SiCr 8	EN 10089	36	40	44
52 SiCrNi 5	EN 10089	139	152	171
45 SiCrMo 6	EN 10089	116	126	142
55 Cr 3	EN 10089	23	26	29
50 CrV 4	EN 10089	58	63	71
51 CrMoV 4	EN 10089	136	148	167
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	30	33	37
19 - 46 MnVS 6	EN 10267	32	35	39
38MnSiVS6		34	37	42
D25M6		36	40	45
48MnV3		24	26	30
Acciai vari / Other steels				
1.0038	S235JR	3	3	3
1.0432	C21	6	6	7
1.0460	P250GH	4	4	4
1.0482	19Mn5	13	14	16
1.0503	C45	4	4	4
1.0511	C40	4	4	4
1.0528	C30	4	4	4
1.0535	C55	4	5	5
1.0540	C50	4	5	5
1.0553	S355J0	11	11	13
1.0565	P355NH	7	8	9
1.0566	P355NL1	7	8	9
1.0570	S355J2G3	7	8	9
1.0577	S355J2	10	11	12
1.0715	11SMn30	6	7	8
1.0721	10S20	8	8	9
1.0726	35S20	8	9	10
1.0764	36SMn14	8	9	10
1.1108	10Mn4	9	10	11
1.1121	C10E	6	7	7
1.1127	38Mn6	12	13	14
1.1132	C15E2C	6	7	7
1.1140	C15R	6	6	7
1.1141	C15E	6	6	7
1.1160	22Mn6	13	14	16
1.1167	36Mn5	7	8	9
1.1181	C35E	6	7	8
1.1191	C45E/CK45	7	7	8
1.1197	25MnV5	20	22	25
1.1201	C45R	4	4	4
1.1206	C50E	4	5	5
1.1213	CF53	3	3	4
1.1219	C56E2	4	5	5
1.1221	C60E	7	8	9
1.1231	C67S	7	8	9
1.1236	C66D2	5	5	6
1.1241	C50R	4	5	5
1.1301	19MnVS6	30	33	37
1.1302	30MnVS6	32	35	39
1.1303	38MnVS6	33	36	41

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1.1304	46MnVD6	33	36	40
1.1305	46MnVS3	33	36	40
1.2007	70Cr2	21	23	26
1.2067	102Cr6	38	41	46
1.2242	59CrV4	47	51	58
1.2826	60MnSiCr4	24	26	29
1.3505	100Cr6	38	41	46
1.3520	100CrMnSi6-4	63	69	78
1.3531	16CrNiMo6	415	453	509
1.3536	100CrMo7-3	157	171	192
1.3537	100CrMo7	125	136	153
1.3538	100CrMo7-4	227	248	279
1.3539	100CrMnMoSi8-4-6	274	299	336
1.4021	X 20 Cr 13	296	323	364
1.4901	X10CrWMoVNB9-2	390	425	478
1.4903	X10CrMoVNB9-1	610	665	748
1.5066	30Mn5	11	12	13
1.5120	38MnSi4	17	19	21
1.5216	17MnV6	36	40	45
1.5217	20MnV6	36	39	44
1.5223	42MnV7	29	31	35
1.5231	38MnSiVS5	34	37	42
1.5232	27MnSiVS6	35	38	43
1.5233	44MnSiVS6	35	38	43
1.5243	42MnSiV3 - 3	30	33	37
1.5415	16Mo3	127	138	155
1.5423	16Mo5	224	244	275
1.5523	19MnB4	5	6	7
1.5526	30MNB4	12	13	15
1.5527	40MnB4	15	17	19
1.5532	38MnB5	7	8	9
1.5662	X 8 Ni 9	1491	1627	1830
1.5708	12NiCr3	122	133	150
1.5715	16NiCrS4	188	205	231
1.5752	15NiCr13	562	613	690
1.5810	18 NiCr 5-4	250	273	307
1.5918	17 CrNi 6-6	294	320	360
1.6510	39 NiCrMo 3	241	263	296
1.6511	36 CrNiMo 4	290	316	356
1.6522	20 NiCrMo 2	186	203	228
1.6523	20 NiCrMo 2-2	189	207	232
1.6526	20NiCrMoS2-2	187	204	230
1.6527	20NiCrMo3	227	248	279
1.6541	23 MnNiCrMo 5 2	209	228	256
1.6562	40 NiCrMo 8-4	468	510	574
1.6563	41 NiCrMo 7-3-2	427	466	524
1.6566	17 NiCrMo 6-4	331	361	406
1.6580	30 CrNiMo 8	557	608	684
1.6582	34 CrNiMo 6	405	442	498
1.6587	18 CrNiMo 7-6	438	478	538
1.6657	14 NiCrMo 13-4	706	770	866
1.6758	23 MnNiMoCr 5-4	403	440	495
1.6782	16NiCrMo12-6	670	731	823
1.6959	35 NiCrMoV 12-5	773	843	949
1.7016	17Cr3	26	28	32
1.7033	34Cr4	30	33	37
1.7034	37Cr4	30	33	37
1.7035	41Cr4	30	33	37
1.7039	41CrS4	30	33	37
1.7043	38Cr4	30	33	37
1.7076	32CrB4	27	29	33
1.7077	36CrB4	28	31	35
1.7117	52SiCrNi5	139	152	171
1.7131	16 MnCr 5	30	33	37
1.7137	60 MnCrB 3	25	27	31
1.7139	16 MnCrS 5	30	33	37
1.7147	20 MnCr 5	35	39	43
1.7148	30MnCrB4-2	35	39	43
1.7149	20 MnCrS 5	35	39	43

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1.7160	16 MnCrB 5	27	29	33
1.7168	18 MnCrB 5	32	35	40
1.7176	55Cr3	28	31	35
1.7177	60Cr3	21	23	26
1.7182	27 MnCrB 5 2	17	18	20
1.7185	33 MnCrB 5 2	17	19	21
1.7213	25 CrMoS 4	119	130	146
1.7216	30 CrMo 4	118	129	145
1.7218	25CrMo4	122	133	150
1.7220	34 CrMo 4	122	133	150
1.7223	41 CrMo 4	122	133	150
1.7225	42CrMo4	122	133	150
1.7226	34 CrMoS 4	122	133	150
1.7227	42 CrMoS 4	122	133	150
1.7228	50 CrMo 4	122	133	150
1.7243	18 CrMo 4	110	120	135
1.7311	20CrMo2	160	175	197
1.7319	20 MoCrS 3	162	176	198
1.7321	20 MoCr 4	197	215	242
1.7323	20 MoCrS 4	197	215	242
1.7325	25 MoCr 4	199	217	244
1.7326	25 MoCrS 4	199	217	244
1.7335	13 CrMo 4-5	205	223	251
1.7337	16 CrMo 4-4	210	229	257
1.7362	X12CrMo5	331	361	406
1.7380	10 CrMo 9 10	455	496	559
1.7383	11 CrMo 9-10	455	497	559
1.7386	X 12 CrMo 9 1	616	672	756
1.7701	52CrMoV4	136	148	167
1.7765	32CrMoV12-10	518	565	635
1.8062	46SiCrMo6	126	138	155
1.8159	51CrV4	60	65	73
1.8161	58 CrV 4	55	60	68
1.8201	7CrWVMoNb9-6	162	177	199
1.8515	31 CrMo 12	229	250	281
1.8519	31 CrMoV 9	164	179	202
1.8550	34 CrAlNi 7-10	302	329	370
1.8871	P460QH	21	23	26
1.8901	S 460 N	212	231	260
1.8905	P 460 N	126	138	155
1.8907	StE 500	154	168	189
1.8915	P460NL1	131	143	161
1.8928	S690QL	331	361	406
92145		36	40	44
92216		35	38	43
92421		206	225	253
92520		331	361	406
92523,0		266	290	326
0078 A		180	196	221
1.1301-1.1302 mod		31	34	38
107-38MnV5		29	32	36
108-C40Mn		17	19	21
113-35CrB5		29	32	36
123-35MnCrB5		25	27	30
129		18	20	22
15CrNi6		289	315	354
18NCD4 RENAULT (C9)		210	229	258
18M		45	49	56
1DRB		59	64	72
15NICUMONB5		351	382	430
16NiCrMo12		665	725	816
20MNCr5F		103	112	126
20NiCr6		255	278	313
21CrMoV5.11		499	545	613
21CRMov5.7		350	382	429
22MnV6		68	74	83
23CrMoB3		150	164	184
23MCD5		110	120	135
23MnNiCrMo5.2		220	241	271

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25CRNIMO2		275	300	337
27MnMoNiCr-AF		498	543	611
28 CDV5.08		420	458	516
30 Cr Si Mo V 663		181	197	222
30CRMV10F		282	307	346
30NiCrMoV7		472	514	579
33MB		11	12	13
33MNCRMOB5		77	84	95
33MnCrMoB5-2 - AF		103	112	126
35MB4-2		13	14	16
35MNB5		23	25	28
37MNCRMOB5		65	71	79
39MNCRB6		22	24	27
368.6		145	158	178
40-45CrMo4+Ni		196	213	240
4130M		155	169	190
4140 MOD		161	176	198
AISI 4130H		128	139	157
41CrS4 Mod 27		65	71	79
42CrMo4 JMBK		162	177	199
42CRM04 MOD.		214	233	262
42CrMo4 PBK		131	143	161
42CrMo4+Ni+V		202	220	247
4330		523	571	642
4330V		678	739	832
43crnimo4.6		363	397	446
45CRNIS+MO		102	111	125
45SiCrV6		68	75	84
4M		73	80	90
47TS2		16	17	20
50CRNIMOV4		204	222	250
50NICR13		562	613	690
56NiCrMoV7		521	569	640
605M36		112	122	137
61CrSiV5		63	68	77
8630/vgs		352	384	432
86B45 H		171	187	210
86CrMoV7		148	161	182
90MnCrV8		42	46	51
92523 Crown Wheel		266	290	326
92523 Pinion		261	285	321
9310 H		612	667	751
9313,0		638	696	783
A105/LF2/F52		41	45	51
A 1041 F		11	13	14
A182 F1		227	247	278
A182 F22 MOD.		455	496	558
A182F22 MOD 2		490	535	602
A193 B16	ASTM	287	313	352
A193 B7		122	133	150
A320 L7		177	193	217
A350 LF2/A105		7	8	9
A694 F65		23	25	28
A707L3 CL.3		64	70	79
ABSBAIN20		142	155	174
ABSBAIN20Eco		117	127	143
ABSBAIN40		145	159	178
AAR GRADE F		57	62	69
AISI 4140 MOD.80/110KSI		131	143	161
AISI 4145 MOD. 125KSI		187	203	229
Aisi 4130 MOD. R		172	187	211
AISI 4130H/UNS H41300		107	117	132
Aisi 4718		319	348	392
Aisi 4815		687	749	843
Aisi 8630 MOD		337	367	413
AISI 8720		196	214	241
AISI410		323	352	397
AISI/SAE 4037 MOD		88	96	108

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
AMS 66320		217	237	267
AMS 6418		496	541	609
B222-5		96	105	118
B222-6(4122 MOD)		85	93	105
B222-7		88	96	108
B222-8		190	207	233
B30		16	17	19
B46-1		339	370	417
B63-1		213	232	261
B63-2 (V2525-60)		216	235	265
B79		236	257	289
C38N2		19	21	23
C38MNS6+AL		19	21	23
C50+MO		28	31	35
D60SiMn5/ A1		30	33	37
F11		215	235	264
F22		450	490	552
F22 MOD		517	564	634
Grade 50R		201	219	247
HMS 60		374	408	459
ITM 129		18	20	22
JDM 4320H		411	448	504
MTS 238 / SAE 1141/I		12	14	15
P420 QH		164	179	201
PS30 SAE 4715		352	384	433
PS55		616	672	756
PS65		27	29	33
RES 10460		10	11	12
RES166380		86	94	106
S1060		511	557	627
S460NL		95	104	117
S690QL1 1.8988		298	325	366
SA 508 Gr. 3		319	348	391
SA 765 Gr. 4		47	51	57
SAE 1017 MOD		13	14	16
SAE 4130 MOD2		186	203	228
SAE 4140		102	112	126
SAE 4320 JDM		423	462	520
SAE 4820		694	757	851
SAE 8620		189	207	232
SAE 8627H		181	198	222
SAE 8822H		231	252	283
STE460		83	90	101
STE 690		366	399	449
STE 690V		269	293	330
STE500/GSA10		41	45	51
ste890		460	502	565
Steel 9313		624	680	765
TK23F		112	122	137
TK28A		112	122	137
TS45.02		4	5	5
UC1		7	8	9
V 2525-50		242	264	297
V2525-70		210	229	257
V2527-70		314	342	385
V2905-95		21	23	26
V2906		22	24	27
V2908-95		19	21	23
VSCH CRNI 2525 HL		202	220	248
VSCH-CRNI(S)-2525-U/HH+		206	225	253
VSCH-MNCR(S)-2158-U-HM		61	67	75
VSCH-MNCR(S)-2158-U-HH		68	75	84
VW 4227		30	32	36
VW 4521		433	472	531
VW1427		36	39	44
X19NiCrMo4		822	896	1008
X30Cr13		288	315	354
ZF 1		294	320	360

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ZF 1 A		438	477	537
ZF 49		27	29	33
ZF 50		7	7	8
ZF 6		50	55	62
ZF 63		32	35	39
ZF 64		30	33	37
ZF 7 B		35	39	43