

**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 Agosto 2022- valid for August 2022 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	rps billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1 KB	EN 10263	35	38	43
38 Cr 2 KB	EN 10263-4	51	56	63
34 - 41Cr 4 KB	EN 10263-4	92	100	112
25 - 42 CrMo 4 KB	EN 10263-4	165	180	202
30 -40 NiCrMo 2 KB	EN 10263	236	258	290
38 NiCrMo 4 KB	EN 10263	296	323	363
34 CrNiMo 6 KB	EN 10263-4	469	512	576
40 NiCrMo 7 KB	EN 10263	473	516	581
Acciai da bonifica / Hardening and tempering steels				
QS1105200		20	21	24
41 Cr 4	EN 10083.1	92	101	113
36 CrMn 4	UNI 7847	94	103	116
51 CrV 4	EN 10083.1	136	148	167
25 - 42 CrMo 4	EN 10083.1	165	180	202
20-25 MoCr4		193	211	237
40 NiCrMo 2	EN 10083.1	218	238	268
36CrNiMo4	EN 10083.1	325	354	399
39 NiCrMo 3	EN 10083.1	292	319	359
40 NiCrMo 7	UNI 6926	475	518	583
30CrNiMo 8	EN 10083.1	660	720	810
30 NiCrMo 12		748	816	918
30 NiCrMoV 12	UNI 6787	790	862	969
36 NiCrMo 16	EN 10083.1	937	1022	1150
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	89	97	109
20 MnCr 5	EN 10084	106	115	129
SAE 94B17		137	149	168
18 CrMo 4	EN 10084	155	169	191
12 NiCr 3		167	182	205
16 - 20 CrNi 4	EN 10084	252	275	309
16 NiCr 11	EN 10084	549	598	673
16 - 20 NiCrMo 2	EN 10084	212	231	260
18 NiCrMo 5	EN 10084	387	422	474
17 CrNiMo 6	EN 10084	530	579	651
18 NiCrMo 7	EN 10084	511	558	628
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	363	396	445
31 CrMoV 9	EN 10085	297	324	365
34 - 41CrAlMo 7	EN 10085	253	276	310
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	89	97	109
36 CrMn 4	UNI 7847	98	107	120
41 CrMo 4	UNI 7847	151	164	185
40 NiCrMo 3	UNI 7847	295	322	362

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	185	202	227
14 CrMo 3	EN 10216	252	275	309
18 CrMoSi 4	EN 10222	291	318	357
11 CrMo 9 10	EN 10222.2	499	544	612
16 CrMo 20 5	EN 10216.2	558	609	685
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	624	681	766
X 12 Ni 09	EN10222-4	1599	1745	1963
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	122	134	150
100 CrMo 7	EN 683.17	224	244	274
100 CrMn 4	EN 683.17	86	93	105
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	52	57	64
60 SiCr 8	EN 10089	81	88	99
52 SiCrNi 5	EN 10089	213	232	261
45 SiCrMo 6	EN 10089	153	167	188
55 Cr 3	EN 10089	70	76	85
50 CrV 4	EN 10089	133	146	164
51 CrMoV 4	EN 10089	193	211	237
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	49	54	60
19 - 46 MnVS 6	EN 10267	52	56	64
38MnSiVS6		56	61	69
D25M6		68	74	83
48MnV3		38	42	47
Acciai vari / Other steels				
1.0038	S235JR	5	5	6
1.0432	C21	10	11	12
1.0460	P250GH	6	7	8
1.0482	19Mn5	24	26	29
1.0503	C45	6	7	8
1.0511	C40	6	7	8
1.0528	C30	6	7	8
1.0535	C55	7	8	9
1.0540	C50	7	8	9
1.0553	S355J0	19	20	23
1.0565	P355NH	12	13	15
1.0566	P355NL1	12	13	15
1.0570	S355J2G3	13	14	16
1.0577	S355J2	18	19	22
1.0715	11SMn30	11	12	14
1.0721	10S20	14	15	17
1.0726	35S20	13	14	16
1.0764	36SMn14	14	16	17
1.1108	10Mn4	16	18	20
1.1121	C10E	11	12	14
1.1127	38Mn6	21	23	26
1.1132	C15E2C	11	12	14
1.1140	C15R	11	12	13
1.1141	C15E	11	12	13
1.1160	22Mn6	27	30	33
1.1167	36Mn5	13	14	16
1.1181	C35E	12	13	14
1.1191	C45E/CK45	12	14	15
1.1197	25MnV5	33	36	41
1.1201	C45R	6	7	8
1.1206	C50E	7	8	9
1.1213	CF53	5	6	6
1.1219	C56E2	7	8	9
1.1221	C60E	14	15	17
1.1231	C67S	14	15	17
1.1236	C66D2	9	10	11
1.1241	C50R	7	8	9
1.1301	19MnVS6	49	54	60
1.1302	30MnVS6	52	56	64
1.1303	38MnVS6	54	59	66

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1.1304	46MnVD6	53	58	66
1.1305	46MnVS3	52	57	64
1.2007	70Cr2	62	67	76
1.2067	102Cr6	122	134	150
1.2242	59CrV4	118	128	144
1.2826	60MnSiCr4	55	60	68
1.3505	100Cr6	122	134	150
1.3520	100CrMnSi6-4	158	173	194
1.3531	16CrNiMo6	497	542	610
1.3536	100CrMo7-3	236	257	290
1.3537	100CrMo7	209	228	257
1.3538	100CrMo7-4	291	318	358
1.3539	100CrMnMoSi8-4-6	341	372	419
1.4021	X 20 Cr 13	1002	1093	1230
1.4901	X10CrWMoVNB9-2	1581	1662	1940
1.4903	X10CrMoVNB9-1	1027	1121	1261
1.5066	30Mn5	19	21	24
1.5120	38MnSi4	33	36	41
1.5216	17MnV6	58	63	71
1.5217	20MnV6	57	62	70
1.5223	42MnV7	46	51	57
1.5231	38MnSiVS5	56	61	69
1.5232	27MnSiVS6	58	63	71
1.5233	44MnSiVS6	58	63	71
1.5243	42MnSiV3 - 3	75	82	93
1.5415	16Mo3	106	116	130
1.5423	16Mo5	179	195	219
1.5523	19MnB4	9	10	11
1.5526	30MNB4	31	34	39
1.5527	40MnB4	38	41	47
1.5532	38MnB5	12	13	15
1.5662	X 8 Ni 9	1598	1743	1961
1.5708	12NiCr3	161	175	197
1.5715	16NiCrS4	252	275	309
1.5752	15NiCr13	651	710	798
1.5810	18 NiCr 5-4	325	354	399
1.5918	17 CrNi 6-6	397	433	488
1.6510	39 NiCrMo 3	279	305	343
1.6511	36 CrNiMo 4	341	373	419
1.6522	20 NiCrMo 2	205	223	251
1.6523	20 NiCrMo 2-2	212	232	261
1.6526	20NiCrMoS2-2	209	228	257
1.6527	20NiCrMo3	249	272	306
1.6541	23 MnNiCrMo 5 2	225	246	276
1.6562	40 NiCrMo 8-4	509	556	625
1.6563	41 NiCrMo 7-3-2	475	518	583
1.6566	17 NiCrMo 6-4	387	422	474
1.6580	30 CrNiMo 8	660	720	810
1.6582	34 CrNiMo 6	492	536	603
1.6587	18 CrNiMo 7-6	530	579	651
1.6657	14 NiCrMo 13-4	783	854	961
1.6758	23 MnNiMoCr 5-4	399	435	490
1.6782	16NiCrMo12-6	748	816	918
1.6959	35 NiCrMoV 12-5	845	922	1037
1.7016	17Cr3	77	84	95
1.7033	34Cr4	92	101	113
1.7034	37Cr4	92	101	113
1.7035	41Cr4	92	101	113
1.7039	41CrS4	92	101	113
1.7043	38Cr4	92	101	113
1.7076	32CrB4	86	94	106
1.7077	36CrB4	91	99	111
1.7117	52SiCrNi5	213	232	261
1.7131	16 MnCr 5	89	98	110
1.7137	60 MnCrB 3	74	81	91
1.7139	16 MnCrS 5	89	98	110
1.7147	20 MnCr 5	106	115	129
1.7148	30MnCrB4-2	106	115	129
1.7149	20 MnCrS 5	106	115	129

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1.7160	16 MnCrB 5	82	90	101
1.7168	18 MnCrB 5	96	105	118
1.7176	55Cr3	82	90	101
1.7177	60Cr3	64	70	79
1.7182	27 MnCrB 5 2	46	50	56
1.7185	33 MnCrB 5 2	47	51	57
1.7213	25 CrMoS 4	158	173	194
1.7216	30 CrMo 4	155	169	190
1.7218	25CrMo4	165	180	202
1.7220	34 CrMo 4	165	180	202
1.7223	41 CrMo 4	165	180	202
1.7225	42CrMo4	165	180	202
1.7226	34 CrMoS 4	165	180	202
1.7227	42 CrMoS 4	165	180	202
1.7228	50 CrMo 4	165	180	202
1.7243	18 CrMo 4	155	169	191
1.7311	20CrMo2	168	183	206
1.7319	20 MoCrS 3	181	197	222
1.7321	20 MoCr 4	189	206	232
1.7323	20 MoCrS 4	189	206	232
1.7325	25 MoCr 4	193	211	237
1.7326	25 MoCrS 4	193	211	237
1.7335	13 CrMo 4-5	217	237	266
1.7337	16 CrMo 4-4	233	254	286
1.7362	X12CrMo5	553	603	678
1.7380	10 CrMo 9 10	495	540	607
1.7383	11 CrMo 9-10	495	540	608
1.7386	X 12 CrMo 9 1	1048	1144	1287
1.7701	52CrMoV4	193	211	237
1.7765	32CrMoV12-10	618	675	759
1.8062	46SiCrMo6	163	177	199
1.8159	51CrV4	136	148	167
1.8161	58 CrV 4	129	141	159
1.8201	7CrWVMoNb9-6	287	313	352
1.8515	31 CrMo 12	360	393	442
1.8519	31 CrMoV 9	297	324	365
1.8550	34 CrAlNi 7-10	390	426	479
1.8871	P460QH	35	38	43
1.8901	S 460 N	221	241	272
1.8905	P 460 N	146	159	179
1.8907	StE 500	182	198	223
1.8915	P460NL1	153	167	188
1.8928	S690QL	387	422	474
92145		58	64	71
92216		105	115	129
92421		219	238	268
92520		387	422	474
92523		330	360	405
0078 A		232	253	285
1 E 1286		113	123	138
1.1301-1.1302 mod		49	53	60
107-38MnV5		46	50	57
108-C40Mn		42	46	52
113-35CrB5		90	98	110
123-35MnCrB5		66	72	81
15CrNi6		397	433	487
18NCD4 RENAULT (C9)		278	303	341
18M		59	65	73
1DRB		100	110	123
1E0028		15	17	19
1E0359		12	13	15
1E0042		14	15	17
1E0361A/B/C/D		13	14	16
1E0447		84	91	103
1E0490		169	184	207
1E0509		149	163	183
1E0621		17	18	21
1E0669		15	17	19
1E0670		18	20	22

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1E0686		19	20	23
1E0769		20	22	24
1E0778		156	170	191
1E0873		104	113	127
1E0951		104	114	128
1E0996		21	23	25
1E0997		110	120	135
1E1013		82	89	100
1E1054		182	198	223
1E1058		167	182	205
1E1120		108	118	133
1E1201		53	58	66
1E1239A		55	60	68
1E1239C		50	54	61
1E1239D		49	53	60
1E1239F		25	28	31
1E1239G		23	26	29
1E1239L		162	176	198
1E1239O		82	90	101
1E1286 - 1E1286B		113	123	139
1E1287		28	31	35
1E1482		37	40	45
1E1497		52	57	64
1E1632		49	54	61
1E1671		112	122	138
1E1848		149	162	183
1E1887		15	17	19
1E1901		73	80	90
1E1962		56	61	69
1E2757		443	484	544
1E2757 > 230		701	765	861
1E4146		161	175	197
1E4283		13	14	16
1E4336		462	504	566
1E4808		51	56	63
S355+V		30	33	37
1E1727		213	232	261
1E1371		293	320	360
1E1158		13	14	16
1E4787		475	518	583
16NiCrMo12		729	795	894
20MNCr5F		170	185	209
20NiCr6		336	366	412
21CrMoV5.11		497	543	610
21CRMOV5.7		389	425	478
22MnV6		102	111	125
23CrMoB3		175	191	214
23MCD5		178	194	219
23MnNiCrMo5.2		241	263	296
25CRNIMO2		293	320	360
27MnMoNiCr-AF		483	527	593
28 CDV5.08		454	496	558
30 Cr Si Mo V 663		291	317	357
30CRMOV10F		403	439	494
30NiCrMoV7		517	564	635
33MB		23	26	29
33MNCrMOB5		101	110	124
33MnCrMoB5-2 - AF		124	135	152
35MB4-2		29	32	36
35MNB5		59	64	72
37MNCrMOB5		90	98	111
39MNCrB6		56	61	69
368.6		182	198	223
40-45CrMo4+Ni		247	269	303
4130M		194	211	238
41CrS4 Mod 27		125	137	154
42CrMo4 JMBK		196	214	241
42CRMO4 MOD.		266	290	327
42CrMo4 PBK		174	190	214

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
42CrMo4+Ni+V		260	283	319
4330		567	618	695
4330V		723	789	887
43crnimo4.6		428	467	525
4M		112	123	138
47TS2		39	43	48
50CRNIMOV4		258	281	316
50NICR13		651	710	798
56NiCrMoV7		575	627	705
605M36		99	108	122
8630/vgs		385	420	472
86B45 H		197	215	241
86CrMoV7		232	253	285
92523 Crown Wheel		330	360	405
92523 Pinion		328	358	402
9310 H		714	779	876
A105/LF2/F52		42	46	52
A 1041 F		21	23	25
A182 F1		185	202	227
A182 F22 MOD.		495	540	608
A193 B16	ASTM	319	348	392
A193 B7		165	180	202
A320 L7		221	241	271
A350 LF2/A105		12	13	15
A694 F65		37	40	45
ABSBAIN20		239	261	293
ABSBAIN20Eco		202	220	248
ABSBAIN40		188	205	231
AAR GRADE F		69	75	85
AISI 4140 MOD.80/110KSI		173	188	212
AISI 4145 MOD. 125KSI		223	243	274
Aisi 4130 MOD. R		218	238	267
Aisi 4718		332	363	408
Aisi 4815		719	785	883
Aisi 8630 MOD		368	401	452
AISI 8720		223	243	274
AISI410		996	1086	1222
AMS 6418		523	571	642
B222-5		125	136	153
B222-6(4122 MOD)		109	119	134
B222-7		112	123	138
B222-8		211	230	259
B30		38	41	46
B46-1		393	429	483
B63-1		286	312	351
B63-2 (V2525-60)		281	307	345
B79		252	275	309
C50+MO		26	28	32
D60SiMn5/ A1		75	82	93
F11		240	262	294
F22		480	524	590
F22 MOD		568	619	697
Grade 50R		240	262	295
HMS 60		411	448	504
ITM 129		44	48	53
JDM 4320		443	484	544
MTS 238 / SAE 1141/I		23	25	28
P420 QH		183	200	225
PS30 SAE 4715		357	389	438
PS55		616	672	756
PS65		77	84	95
RES 10460		38	42	47
RES166380		110	120	135
S1060		584	638	717
S460NL		119	129	146
SA 508 Gr. 3		292	319	358
SA 765 Gr. 4		69	75	84
SAE 1017 MOD		33	36	40
SAE 4130 MOD2		236	258	290

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SAE 4140		148	162	182
SAE 4320 JDM		456	497	559
SAE 4820		719	784	882
SAE 8620		212	231	260
SAE 8627H		207	225	253
SAE 8822H		243	265	298
STE460		111	121	136
STE 690		368	401	452
STE 690V		324	353	397
STE500/GSA10		65	71	80
ste890		527	575	647
Steel 9313		734	801	901
TK23F		153	167	188
TK28A		148	161	181
TS45.02		7	8	9
UC1		14	15	17
V 2525-50		297	324	364
V2525-70		281	306	345
V2527-70		419	457	514
V2905-95		33	36	40
V2906		35	38	43
V2908-95		40	44	50
VSCH CRNI 2525 HL		268	292	328
VSCH-CRNI(S)-2525-U/HH+		271	295	332
VSCH-MNCR(S)-2158-U-HM		131	143	161
VSCH-MNCR(S)-2158-U-HH		150	164	184
VW 4227		91	99	111
VW 4521		467	509	573
VW1427		58	63	71
X19NiCrMo4		931	1016	1143
X30Cr13		990	1080	1216
ZF 1		397	433	488
ZF 1 A		527	574	646
ZF 49		41	44	50
ZF 50		13	14	16
ZF 6		102	111	125
ZF 63		98	107	120
ZF 64		93	101	114
ZF 7 B		105	115	129