

**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 Maggio 2023- valid for May 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	rps billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1	EN 10263	16	17	20
38 Cr 2	EN 10263-4	22	24	27
34 - 41Cr 4	EN 10263-4	36	39	44
25 - 42 CrMo 4	EN 10263-4	138	151	170
30 -40 NiCrMo 2	EN 10263	237	259	291
38 NiCrMo 4	EN 10263	282	307	346
34 CrNiMo 6	EN 10263-4	429	468	527
40 NiCrMo 7	EN 10263	466	509	572
Acciai da bonifica / Hardening and tempering steels				
QS1105200		13	14	16
41 Cr 4	EN 10083.1	36	40	45
36 CrMn 4	UNI 7847	38	41	46
51 CrV 4	EN 10083.1	76	83	93
25 - 42 CrMo 4	EN 10083.1	138	151	170
20-25 MoCr4		222	242	272
40 NiCrMo 2	EN 10083.1	219	239	269
36CrNiMo4	EN 10083.1	296	323	363
39 NiCrMo 3	EN 10083.1	280	306	344
40 NiCrMo 7	UNI 6926	470	513	577
30CrNiMo 8	EN 10083.1	617	674	758
30 NiCrMo 12		782	854	960
30 NiCrMoV 12	UNI 6787	820	895	1007
36 NiCrMo 16	EN 10083.1	905	987	1110
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	36	40	44
20 MnCr 5	EN 10084	43	46	52
SAE 94B17		125	136	153
18 CrMo 4	EN 10084	125	136	153
12 NiCr 3		139	151	170
16 - 20 CrNi 4	EN 10084	209	228	256
16 NiCr 11	EN 10084	515	562	633
16 - 20 NiCrMo 2	EN 10084	210	229	258
18 NiCrMo 5	EN 10084	366	400	449
17 CrNiMo 6	EN 10084	486	531	597
18 NiCrMo 7	EN 10084	513	559	629
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	264	288	324
31 CrMoV 9	EN 10085	194	212	238
34 - 41CrAlMo 7	EN 10085	210	229	257
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	35	38	43
36 CrMn 4	UNI 7847	39	42	48
41 CrMo 4	UNI 7847	123	134	151
40 NiCrMo 3	UNI 7847	280	306	344

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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	252	275	309
14 CrMo 3	EN 10216	275	300	338
18 CrMoSi 4	EN 10222	292	319	358
11 CrMo 9 10	EN 10222.2	513	559	629
16 CrMo 20 5	EN 10216.2	382	416	468
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	635	693	780
X 12 Ni 09	EN10222-4	1630	1778	2001
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	46	50	56
100 CrMo 7	EN 683.17	164	179	202
100 CrMn 4	EN 683.17	33	36	41
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	32	35	39
60 SiCr 8	EN 10089	43	47	53
52 SiCrNi 5	EN 10089	157	171	192
45 SiCrMo 6	EN 10089	132	144	162
55 Cr 3	EN 10089	28	31	35
50 CrV 4	EN 10089	74	81	91
51 CrMoV 4	EN 10089	160	174	196
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	39	43	48
19 - 46 MnVS 6	EN 10267	41	44	50
38MnSiVS6		43	47	53
D25M6		46	51	57
48MnV3		31	34	38
Acciai vari / Other steels				
1.0038	S235JR	3	4	4
1.0432	C21	7	7	8
1.0460	P250GH	4	5	5
1.0482	19Mn5	15	17	19
1.0503	C45	4	5	5
1.0511	C40	4	5	5
1.0528	C30	4	5	5
1.0535	C55	5	5	6
1.0540	C50	5	5	6
1.0553	S355J0	12	13	15
1.0565	P355NH	8	9	10
1.0566	P355NL1	8	9	10
1.0570	S355J2G3	9	9	11
1.0577	S355J2	12	13	14
1.0715	11SMn30	8	8	9
1.0721	10S20	9	10	11
1.0726	35S20	10	11	12
1.0764	36SMn14	10	11	12
1.1108	10Mn4	10	11	13
1.1121	C10E	7	8	9
1.1127	38Mn6	14	15	17
1.1132	C15E2C	7	8	9
1.1140	C15R	7	7	8
1.1141	C15E	7	7	8
1.1160	22Mn6	16	17	19
1.1167	36Mn5	9	9	11
1.1181	C35E	7	8	9
1.1191	C45E/CK45	8	9	10
1.1197	25MnV5	25	28	31
1.1201	C45R	4	5	5
1.1206	C50E	5	5	6
1.1213	CF53	4	4	4
1.1219	C56E2	5	5	6
1.1221	C60E	9	9	11
1.1231	C67S	9	9	11
1.1236	C66D2	6	6	7
1.1241	C50R	5	5	6
1.1301	19MnVS6	39	43	48
1.1302	30MnVS6	41	44	50
1.1303	38MnVS6	43	47	52

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1.1304	46MnVD6	42	46	52
1.1305	46MnVS3	43	47	52
1.2007	70Cr2	26	28	32
1.2067	102Cr6	46	50	56
1.2242	59CrV4	59	65	73
1.2826	60MnSiCr4	28	31	35
1.3505	100Cr6	46	50	56
1.3520	100CrMnSi6-4	75	81	91
1.3531	16CrNiMo6	460	501	564
1.3536	100CrMo7-3	179	195	219
1.3537	100CrMo7	143	156	175
1.3538	100CrMo7-4	256	280	315
1.3539	100CrMnMoSi8-4-6	309	337	379
1.4021	X 20 Cr 13	362	394	444
1.4901	X10CrWMoVNB9-2	461	503	566
1.4903	X10CrMoVNB9-1	705	769	865
1.5066	30Mn5	13	14	15
1.5120	38MnSi4	21	23	25
1.5216	17MnV6	47	51	58
1.5217	20MnV6	47	51	57
1.5223	42MnV7	37	40	45
1.5231	38MnSiVS5	43	47	53
1.5232	27MnSiVS6	45	49	55
1.5233	44MnSiVS6	45	49	55
1.5243	42MnSiV3 - 3	37	40	45
1.5415	16Mo3	141	154	173
1.5423	16Mo5	248	271	305
1.5523	19MnB4	6	7	8
1.5526	30MNB4	14	16	18
1.5527	40MnB4	18	20	22
1.5532	38MnB5	8	9	10
1.5662	X 8 Ni 9	1629	1777	1999
1.5708	12NiCr3	135	147	165
1.5715	16NiCrS4	209	228	256
1.5752	15NiCr13	617	673	757
1.5810	18 NiCr 5-4	276	301	339
1.5918	17 CrNi 6-6	325	355	399
1.6510	39 NiCrMo 3	267	292	328
1.6511	36 CrNiMo 4	321	350	394
1.6522	20 NiCrMo 2	206	225	253
1.6523	20 NiCrMo 2-2	210	229	258
1.6526	20NiCrMoS2-2	208	227	255
1.6527	20NiCrMo3	251	274	308
1.6541	23 MnNiCrMo 5 2	231	252	284
1.6562	40 NiCrMo 8-4	516	563	633
1.6563	41 NiCrMo 7-3-2	470	513	577
1.6566	17 NiCrMo 6-4	366	400	449
1.6580	30 CrNiMo 8	617	674	758
1.6582	34 CrNiMo 6	449	490	551
1.6587	18 CrNiMo 7-6	486	531	597
1.6657	14 NiCrMo 13-4	776	846	952
1.6758	23 MnNiMoCr 5-4	446	486	547
1.6782	16NiCrMo12-6	739	806	907
1.6959	35 NiCrMoV 12-5	858	936	1053
1.7016	17Cr3	31	34	38
1.7033	34Cr4	36	40	45
1.7034	37Cr4	36	40	45
1.7035	41Cr4	36	40	45
1.7039	41CrS4	36	40	45
1.7043	38Cr4	36	40	45
1.7076	32CrB4	32	35	40
1.7077	36CrB4	34	38	42
1.7117	52SiCrNi5	157	171	192
1.7131	16 MnCr 5	37	40	45
1.7137	60 MnCrB 3	30	33	37
1.7139	16 MnCrS 5	37	40	45
1.7147	20 MnCr 5	43	46	52
1.7148	30MnCrB4-2	43	46	52
1.7149	20 MnCrS 5	43	46	52

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1.7160	16 MnCrB 5	32	35	40
1.7168	18 MnCrB 5	39	42	48
1.7176	55Cr3	34	37	42
1.7177	60Cr3	25	27	31
1.7182	27 MnCrB 5 2	20	22	24
1.7185	33 MnCrB 5 2	21	22	25
1.7213	25 CrMoS 4	135	147	165
1.7216	30 CrMo 4	134	146	164
1.7218	25CrMo4	138	151	170
1.7220	34 CrMo 4	138	151	170
1.7223	41 CrMo 4	138	151	170
1.7225	42CrMo4	138	151	170
1.7226	34 CrMoS 4	138	151	170
1.7227	42 CrMoS 4	138	151	170
1.7228	50 CrMo 4	138	151	170
1.7243	18 CrMo 4	125	136	153
1.7311	20CrMo2	179	196	220
1.7319	20 MoCrS 3	182	198	223
1.7321	20 MoCr 4	220	240	270
1.7323	20 MoCrS 4	220	240	270
1.7325	25 MoCr 4	222	242	272
1.7326	25 MoCrS 4	222	242	272
1.7335	13 CrMo 4-5	229	250	282
1.7337	16 CrMo 4-4	235	257	289
1.7362	X12CrMo5	378	413	464
1.7380	10 CrMo 9 10	510	557	626
1.7383	11 CrMo 9-10	511	557	627
1.7386	X 12 CrMo 9 1	706	770	867
1.7701	52CrMoV4	160	174	196
1.7765	32CrMoV12-10	593	647	728
1.8062	46SiCrMo6	144	157	176
1.8159	51CrV4	76	83	93
1.8161	58 CrV 4	70	76	86
1.8201	7CrWVMoNb9-6	195	213	240
1.8515	31 CrMo 12	261	285	321
1.8519	31 CrMoV 9	194	212	238
1.8550	34 CrAlNi 7-10	336	366	412
1.8871	P460QH	27	29	33
1.8901	S 460 N	242	264	297
1.8905	P 460 N	140	152	171
1.8907	StE 500	170	186	209
1.8915	P460NL1	146	159	179
1.8928	S690QL	366	400	449
92145		47	51	57
92216		43	46	52
92421		231	252	284
92520		366	400	449
92523,0		295	321	362
0078 A		204	222	250
1.1301-1.1302 mod		40	43	49
107-38MnV5		38	42	47
108-C40Mn		21	22	25
113-35CrB5		36	39	44
123-35MnCrB5		29	32	36
15CrNi6		320	349	393
18NCD4 RENAULT (C9)		232	254	285
18M		55	60	68
1DRB		68	74	83
15NICUMONB5		386	421	474
16NiCrMo12		732	798	898
20MNCR5F		117	128	144
20NiCr6		282	307	346
21CrMoV5.11		568	620	698
21CRMov5.7		402	439	494
22MnV6		81	89	100
23CrMoB3		169	184	207
23MCD5		125	137	154
23MnNiCrMo5.2		245	267	300
25CRNIMO2		305	333	374

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
27MnMoNiCr-AF		552	603	678
28 CDV5.08		479	523	588
30 Cr Si Mo V 663		211	230	259
30CRMOV10F		328	357	402
30NiCrMoV7		523	570	642
33MB		13	14	16
33MNCRMOB5		88	96	108
33MnCrMoB5-2 - AF		116	126	142
35MB4-2		16	17	19
35MNB5		27	29	33
37MNCRMOB5		74	80	90
39MNCRB6		26	29	32
368.6		161	176	198
40-45CrMo4+Ni		219	239	269
4130M		175	191	215
AISI 4130H		146	160	180
41CrS4 Mod 27		75	82	92
42CrMo4 JMBK		183	199	224
42CRMO4 MOD.		239	261	293
42CrMo4 PBK		148	162	182
42CrMo4+Ni+V		229	250	282
4330		581	634	713
4330V		750	819	921
43crnimo4.6		402	439	494
45CRNIS+MO		114	124	139
45SiCrV6		85	93	104
4M		84	91	103
47TS2		19	21	23
50CRNIMOV4		232	253	284
50NICR13		617	673	757
56NiCrMoV7		581	633	712
605M36		124	136	153
61CrSiV5		78	85	96
8630/vgs		391	426	480
86B45 H		191	208	234
86CrMoV7		172	187	211
92523 Crown Wheel		295	321	362
92523 Pinion		290	316	356
9310 H		673	734	826
9313		702	766	862
A105/LF2/F52		46	51	57
A 1041 F		14	15	17
A182 F1		252	275	309
A182 F22 MOD.		510	556	626
A193 B16	ASTM	333	363	408
A193 B7		138	151	170
A320 L7		198	216	243
A350 LF2/A105		8	9	10
A694 F65		29	32	36
A707L3 CL.3		73	79	89
ABSBAIN20		169	184	207
ABSBAIN20Eco		134	147	165
ABSBAIN40		165	179	202
AAR GRADE F		65	70	79
AISI 4140 MOD.80/110KSI		148	162	182
AISI 4145 MOD. 125KSI		210	229	258
Aisi 4130 MOD. R		193	210	236
AISI 4130H/UNS H41300		122	133	149
Aisi 4718		353	385	433
Aisi 4815		754	823	926
Aisi 8630 MOD		374	408	459
AISI 8720		218	238	267
AISI410		387	422	474
AMS 6418		548	598	672
B222-5		109	119	134
B222-6(4122 MOD)		97	105	119
B222-7		100	109	122
B222-8		212	232	261

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
B30		19	21	23
B46-1		375	409	461
B63-1		236	257	289
B63-2 (V2525-60)		240	262	294
B79		262	286	321
C38N2		23	25	28
C38MNS6+AL		22	24	28
C50+MO		31	34	39
D60SiMn5/ A1		37	40	45
F11		242	264	297
F22		504	549	618
F22 MOD		578	631	710
Grade 50R		225	246	276
HMS 60		430	469	527
ITM 129		22	23	26
JDM 4320H		452	493	555
MTS 238 / SAE 1141/I		15	16	18
P420 QH		182	199	224
PS30 SAE 4715		390	426	479
PS55		680	742	835
PS65		32	35	39
RES 10460		12	13	15
RES166380		98	106	120
S1060		565	616	693
S460NL		105	115	129
S690QL1 1.8988		329	359	404
SA 508 Gr. 3		352	384	432
SA 765 Gr. 4		54	59	67
SAE 1017 MOD		16	17	19
SAE 4130 MOD2		210	229	257
SAE 4140		116	127	143
SAE 4320 JDM		466	508	572
SAE 4820		760	829	932
SAE 8620		210	229	258
SAE 8627H		201	220	247
SAE 8822H		256	280	315
STE460		99	108	122
STE 690		407	444	500
STE 690V		301	328	369
STE500/GSA10		54	59	66
ste890		509	555	624
Steel 9313		686	749	842
TK23F		124	136	153
TK28A		125	136	153
TS45.02		5	5	6
UC1		9	9	11
V 2525-50		269	293	330
V2525-70		232	253	285
V2527-70		348	380	427
V2905-95		27	30	33
V2906		28	31	34
V2908-95		22	25	28
VSCH CRNI 2525 HL		224	245	275
VSCH-CRNI(S)-2525-U/HH+		228	249	280
VSCH-MNCR(S)-2158-U-HM		71	77	87
VSCH-MNCR(S)-2158-U-HH		79	86	97
VW 4227		36	39	44
VW 4521		477	521	586
VW1427		47	51	57
X19NiCrMo4		903	985	1108
X30Cr13		351	382	430
ZF 1		325	355	399
ZF 1 A		485	530	596
ZF 49		36	39	44
ZF 50		8	9	10
ZF 6		58	64	72
ZF 63		39	42	47
ZF 64		36	40	45
ZF 7 B		43	46	52