

**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 Settembre 2023- valid for September 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	10	11	12
38 Cr 2	EN 10263-4	13	15	16
34 - 41Cr 4	EN 10263-4	22	24	27
25 - 42 CrMo 4	EN 10263-4	120	131	147
30 -40 NiCrMo 2	EN 10263	209	228	256
38 NiCrMo 4	EN 10263	245	267	301
34 CrNiMo 6	EN 10263-4	371	404	455
40 NiCrMo 7	EN 10263	407	444	499
Acciai da bonifica / Hardening and tempering steels				
QS1105200		8	8	9
41 Cr 4	EN 10083.1	23	25	28
36 CrMn 4	UNI 7847	23	25	29
51 CrV 4	EN 10083.1	50	54	61
25 - 42 CrMo 4	EN 10083.1	120	131	147
20-25 MoCr4		204	222	250
40 NiCrMo 2	EN 10083.1	193	211	237
36CrNiMo4	EN 10083.1	255	278	313
39 NiCrMo 3	EN 10083.1	244	267	300
40 NiCrMo 7	UNI 6926	411	448	504
30CrNiMo 8	EN 10083.1	536	585	658
30 NiCrMo 12		691	754	848
30 NiCrMoV 12	UNI 6787	719	784	882
36 NiCrMo 16	EN 10083.1	786	857	964
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	22	25	28
20 MnCr 5	EN 10084	26	29	32
SAE 94B17		107	117	131
18 CrMo 4	EN 10084	107	117	131
12 NiCr 3		115	125	141
16 - 20 CrNi 4	EN 10084	173	189	213
16 NiCr 11	EN 10084	441	481	541
16 - 20 NiCrMo 2	EN 10084	184	201	226
18 NiCrMo 5	EN 10084	317	346	389
17 CrNiMo 6	EN 10084	421	459	516
18 NiCrMo 7	EN 10084	450	491	553
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	223	244	274
31 CrMoV 9	EN 10085	153	167	187
34 - 41CrAlMo 7	EN 10085	182	198	223
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	22	24	27
36 CrMn 4	UNI 7847	24	26	30
41 CrMo 4	UNI 7847	106	116	130
40 NiCrMo 3	UNI 7847	244	266	299

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Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	237	259	291
14 CrMo 3	EN 10216	252	275	309
18 CrMoSi 4	EN 10222	262	286	321
11 CrMo 9 10	EN 10222.2	466	508	572
16 CrMo 20 5	EN 10216.2	319	348	392
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	551	601	676
X 12 Ni 09	EN10222-4	1415	1543	1736
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	28	31	35
100 CrMo 7	EN 683.17	139	152	171
100 CrMn 4	EN 683.17	21	23	26
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	18	19	22
60 SiCr 8	EN 10089	25	27	31
52 SiCrNi 5	EN 10089	123	134	151
45 SiCrMo 6	EN 10089	110	120	135
55 Cr 3	EN 10089	18	19	22
50 CrV 4	EN 10089	48	53	59
51 CrMoV 4	EN 10089	131	143	161
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	22	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	10	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	8	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	9
1.0715	11SMn30	5	5	6
1.0721	10S20	5	6	7
1.0726	35S20	7	7	8
1.0764	36SMn14	6	7	7
1.1108	10Mn4	6	7	8
1.1121	C10E	4	5	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	12
1.1167	36Mn5	5	6	7
1.1181	C35E	4	5	5
1.1191	C45E/CK45	5	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	6	6
1.1231	C67S	5	6	6
1.1236	C66D2	3	4	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	34
1.2007	70Cr2	16	17	20
1.2067	102Cr6	28	31	35
1.2242	59CrV4	38	42	47
1.2826	60MnSiCr4	17	18	20
1.3505	100Cr6	28	31	35
1.3520	100CrMnSi6-4	50	55	62
1.3531	16CrNiMo6	399	436	490
1.3536	100CrMo7-3	152	165	186
1.3537	100CrMo7	118	129	145
1.3538	100CrMo7-4	226	246	277
1.3539	100CrMnMoSi8-4-6	273	298	313
1.4021	X 20 Cr 13	228		280
1.4901	X10CrWMoVNb9-2	350		430
1.4903	X10CrMoVNb9-1	584		717
1.5066	30Mn5	8	8	9
1.5120	38MnSi4	12	13	15
1.5216	17MnV6	31	34	38
1.5217	20MnV6	31	34	38
1.5223	42MnV7	24	26	29
1.5231	38MnSiVS5	28	30	34
1.5232	27MnSiVS6	29	32	35
1.5233	44MnSiVS6	29	32	35
1.5243	42MnSiV3 - 3	22	24	27
1.5415	16Mo3	131	143	161
1.5423	16Mo5	235	257	289
1.5523	19MnB4	4	4	5
1.5526	30MNB4	9	10	11
1.5527	40MnB4	11	12	14
1.5532	38MnB5	5	6	6
1.5662	X 8 Ni 9	1414	1542	1735
1.5708	12NiCr3	113	123	139
1.5715	16NiCrS4	173	189	213
1.5752	15NiCr13	528	576	648
1.5810	18 NiCr 5-4	232	253	285
1.5918	17 CrNi 6-6	272	296	333
1.6510	39 NiCrMo 3	234	255	287
1.6511	36 CrNiMo 4	280	305	343
1.6522	20 NiCrMo 2	182	199	224
1.6523	20 NiCrMo 2-2	184	201	226
1.6526	20NiCrMoS2-2	183	200	225
1.6527	20NiCrMo3	221	241	272
1.6541	23 MnNiCrMo 5 2	205	224	252
1.6562	40 NiCrMo 8-4	453	495	557
1.6563	41 NiCrMo 7-3-2	411	448	504
1.6566	17 NiCrMo 6-4	317	346	389
1.6580	30 CrNiMo 8	536	585	658
1.6582	34 CrNiMo 6	388	423	476
1.6587	18 CrNiMo 7-6	421	459	516
1.6657	14 NiCrMo 13-4	675	736	828
1.6758	23 MnNiMoCr 5-4	403	439	494
1.6782	16NiCrMo12-6	646	705	793
1.6959	35 NiCrMoV 12-5	750	818	920
1.7016	17Cr3	19	21	24
1.7033	34Cr4	23	25	28
1.7034	37Cr4	23	25	28
1.7035	41Cr4	23	25	28
1.7039	41CrS4	23	25	28
1.7043	38Cr4	23	25	28
1.7076	32CrB4	20	22	25
1.7077	36CrB4	22	24	27
1.7117	52SiCrNi5	123	134	151
1.7131	16 MnCr 5	23	25	28
1.7137	60 MnCrB 3	19	20	23
1.7139	16 MnCrS 5	23	25	28
1.7147	20 MnCr 5	26	29	32
1.7148	30MnCrB4-2	26	29	32
1.7149	20 MnCrS 5	26	29	32

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1.7160	16 MnCrB 5	20	22	25
1.7168	18 MnCrB 5	24	26	30
1.7176	55Cr3	21	23	26
1.7177	60Cr3	16	17	19
1.7182	27 MnCrB 5 2	12	14	15
1.7185	33 MnCrB 5 2	13	14	16
1.7213	25 CrMoS 4	118	128	144
1.7216	30 CrMo 4	117	128	144
1.7218	25CrMo4	120	131	147
1.7220	34 CrMo 4	120	131	147
1.7223	41 CrMo 4	120	131	147
1.7225	42CrMo4	120	131	147
1.7226	34 CrMoS 4	120	131	147
1.7227	42 CrMoS 4	120	131	147
1.7228	50 CrMo 4	120	131	147
1.7243	18 CrMo 4	107	117	131
1.7311	20CrMo2	163	178	200
1.7319	20 MoCrS 3	163	178	200
1.7321	20 MoCr 4	203	221	249
1.7323	20 MoCrS 4	203	221	249
1.7325	25 MoCr 4	204	222	250
1.7326	25 MoCrS 4	204	222	250
1.7335	13 CrMo 4-5	209	228	256
1.7337	16 CrMo 4-4	212	232	261
1.7362	X12CrMo5	317	346	390
1.7380	10 CrMo 9 10	465	507	570
1.7383	11 CrMo 9-10	465	507	570
1.7386	X 12 CrMo 9 1	588	641	721
1.7701	52CrMoV4	131	143	161
1.7765	32CrMoV12-10	520	568	639
1.8062	46SiCrMo6	121	132	148
1.8159	51CrV4	50	54	61
1.8161	58 CrV 4	46	50	56
1.8201	7CrWVMoNb9-6	152	166	186
1.8515	31 CrMo 12	222	242	272
1.8519	31 CrMoV 9	153	167	187
1.8550	34 CrAlNi 7-10	288	314	353
1.8871	P460QH	17	19	21
1.8901	S 460 N	209	228	257
1.8905	P 460 N	118	129	145
1.8907	StE 500	144	157	177
1.8915	P460NL1	123	135	152
1.8928	S690QL	317	346	389
92145		30	33	37
92216		26	29	32
92421		210	229	257
92520		317	346	389
92523,0		252	275	309
0078 A		175	191	215
1.1301-1.1302 mod		26	28	32
107-38MnV5		25	28	31
108-C40Mn		13	14	15
113-35CrB5		22	24	27
123-35MnCrB5		18	20	22
129		13	14	16
15CrNi6		266	290	326
18NCD4 RENAULT (C9)		193	211	237
18M		42	45	51
1DRB		54	59	66
15NICUMONB5		346	378	425
16NiCrMo12		640	698	785
20MNCR5F		94	102	115
20NiCr6		235	257	289
21CrMoV5.11		512	558	628
21CRMov5.7		353	385	433
22MnV6		60	65	73
23CrMoB3		150	164	185
23MCD5		101	111	124
23MnNiCrMo5.2		215	235	264

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
25CRNIMO2		271	296	333
27MnMoNiCr-AF		504	550	618
28 CDV5.08		426	465	523
30 Cr Si Mo V 663		168	184	206
30CRM0V10F		273	298	335
30NiCrMoV7		458	499	562
33MB		8	8	10
33MNCRM0B5		75	82	92
33MnCrMoB5-2 - AF		101	110	124
35MB4-2		9	10	12
35MNB5		17	18	20
37MNCRM0B5		62	67	76
39MNCRB6		16	18	20
368.6		137	150	168
40-45CrMo4+Ni		189	206	232
4130M		154	169	190
4140 MOD		161	175	197
AISI 4130H		125	136	153
41CrS4 Mod 27		58	64	72
42CrMo4 JMBK		162	177	199
42CRM04 MOD.		207	226	254
42CrMo4 PBK		129	141	158
42CrMo4+Ni+V		194	212	238
4330		510	556	626
4330V		660	721	811
43crnimo4.6		348	380	428
45CRNIS+MO		97	106	120
45SiCrV6		53	58	65
4M		70	76	85
47TS2		12	13	14
50CRNIMOV4		197	215	242
50NICR13		528	576	648
56NiCrMoV7		509	555	624
605M36		114	124	140
61CrSiV5		49	54	60
8630/vgs		347	378	426
86B45 H		167	182	205
86CrMoV7		142	155	174
90MnCrV8		34	38	42
92523 Crown Wheel		252	275	309
92523 Pinion		247	269	303
9310 H		579	631	710
9313,0		603	658	741
A105/LF2/F52		40	44	50
A 1041 F		8	9	10
A182 F1		237	259	291
A182 F22 MOD.		464	507	570
A182F22 MOD 2		501	546	615
A193 B16	ASTM	289	315	354
A193 B7		120	131	147
A320 L7		173	188	212
A350 LF2/A105		5	6	6
A694 F65		19	21	23
A707L3 CL.3		60	66	74
ABSRAIN20		129	141	159
ABSRAIN20Eco		106	115	130
ABSRAIN40		143	155	175
AAR GRADE F		52	56	63
AISI 4140 MOD.80/110KSI		129	141	158
AISI 4145 MOD. 125KSI		187	203	229
Aisi 4130 MOD. R		167	182	205
AISI 4130H/UNS H41300		105	115	129
Aisi 4718		314	342	385
Aisi 4815		660	720	810
Aisi 8630 MOD		331	361	406
AISI 8720		191	208	234
AISI410		258	281	316
AISI/SAE 4037 MOD		90	98	110

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		Ingots & continuous casting	billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
AMS 66320		214	234	263
AMS 6418		479	523	588
B222-5		94	103	116
B222-6(4122 MOD)		83	91	102
B222-7		86	94	106
B222-8		189	207	233
B30		11	13	14
B46-1		326	355	400
B63-1		196	214	241
B63-2 (V2525-60)		203	222	250
B79		233	255	287
C38N2		13	15	16
C38MNS6+AL		13	15	16
C50+MO		28	31	35
D60SiMn5/ A1		22	24	27
F11		218	237	267
F22		461	503	565
F22 MOD		523	570	642
Grade 50R		199	217	244
HMS 60		378	412	464
ITM 129		13	14	16
JDM 4320H		397	433	487
MTS 238 / SAE 1141/I		9	10	11
P420 QH		156	170	192
PS30 SAE 4715		352	384	432
PS55		611	667	750
PS65		20	22	24
RES 10460		7	8	9
RES166380		84	92	103
S1060		492	537	604
S460NL		88	96	108
S690QL1 1.8988		284	310	349
SA 508 Gr. 3		321	350	394
SA 765 Gr. 4		41	45	50
SAE 1017 MOD		9	10	12
SAE 4130 MOD2		180	196	221
SAE 4140		99	108	121
SAE 4320 JDM		409	446	502
SAE 4820		667	728	819
SAE 8620		184	201	226
SAE 8627H		176	192	216
SAE 8822H		229	250	281
STE460		76	83	94
STE 690		365	399	449
STE 690V		258	281	316
STE500/GSA10		36	39	44
ste890		443	483	544
Steel 9313		589	643	723
TK23F		102	111	125
TK28A		103	113	127
TS45.02		3	3	4
UC1		5	6	6
V 2525-50		232	253	284
V2525-70		194	211	238
V2527-70		292	319	358
V2905-95		18	20	22
V2906		18	20	23
V2908-95		13	15	16
VSCH CRNI 2525 HL		188	206	231
VSCH-CRNI(S)-2525-U/HH+		191	208	235
VSCH-MNCR(S)-2158-U-HM		52	57	64
VSCH-MNCR(S)-2158-U-HH		57	62	70
VW 4227		22	24	28
VW 4521		421	460	517
VW1427		30	33	37
X19NiCrMo4		782	853	960
X30Cr13		221	241	271
ZF 1		272	296	333
ZF 1 A		420	458	516
ZF 49		24	26	30

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ZF 50		5	5	6
ZF 6		44	48	54
ZF 63		24	26	29
ZF 64		23	25	28
ZF 7 B		26	29	32