

**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 2023- valid for August 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	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1	EN 10263	11	12	13
38 Cr 2	EN 10263-4	15	16	18
34 - 41Cr 4	EN 10263-4	25	27	30
25 - 42 CrMo 4	EN 10263-4	116	127	143
30 -40 NiCrMo 2	EN 10263	204	222	250
38 NiCrMo 4	EN 10263	241	263	295
34 CrNiMo 6	EN 10263-4	366	399	449
40 NiCrMo 7	EN 10263	401	437	492
Acciai da bonifica / Hardening and tempering steels				
QS1105200		8	9	10
41 Cr 4	EN 10083.1	25	28	31
36 CrMn 4	UNI 7847	26	29	32
51 CrV 4	EN 10083.1	53	58	65
25 - 42 CrMo 4	EN 10083.1	116	127	143
20-25 MoCr4		194	211	238
40 NiCrMo 2	EN 10083.1	188	205	231
36CrNiMo4	EN 10083.1	252	275	309
39 NiCrMo 3	EN 10083.1	240	262	294
40 NiCrMo 7	UNI 6926	404	441	496
30CrNiMo 8	EN 10083.1	528	576	648
30 NiCrMo 12		677	738	831
30 NiCrMoV 12	UNI 6787	705	769	865
36 NiCrMo 16	EN 10083.1	776	847	953
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	25	27	31
20 MnCr 5	EN 10084	30	32	36
SAE 94B17		105	115	129
18 CrMo 4	EN 10084	104	114	128
12 NiCr 3		116	126	142
16 - 20 CrNi 4	EN 10084	175	191	214
16 NiCr 11	EN 10084	440	480	540
16 - 20 NiCrMo 2	EN 10084	180	197	221
18 NiCrMo 5	EN 10084	313	341	384
17 CrNiMo 6	EN 10084	415	452	509
18 NiCrMo 7	EN 10084	442	482	542
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	219	239	269

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31 CrMoV 9	EN 10085	153	167	188
34 - 41CrAlMo 7	EN 10085	177	193	217
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	24	27	30
36 CrMn 4	UNI 7847	27	30	33
41 CrMo 4	UNI 7847	103	113	127
40 NiCrMo 3	UNI 7847	240	261	294

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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	223	243	274
14 CrMo 3	EN 10216	239	261	294
18 CrMoSi 4	EN 10222	251	274	308
11 CrMo 9 10	EN 10222.2	444	485	545
16 CrMo 20 5	EN 10216.2	315	344	386
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	547	597	672
X 12 Ni 09	EN10222-4	1405	1533	1725
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	32	35	39
100 CrMo 7	EN 683.17	137	149	168
100 CrMn 4	EN 683.17	23	25	29
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	21	23	26
60 SiCr 8	EN 10089	29	31	35
52 SiCrNi 5	EN 10089	126	138	155
45 SiCrMo 6	EN 10089	108	118	133
55 Cr 3	EN 10089	20	21	24
50 CrV 4	EN 10089	52	56	63
51 CrMoV 4	EN 10089	129	141	158
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	27	29	33
19 - 46 MnVS 6	EN 10267	28	30	34
38MnSiVS6		29	32	36
D25M6		32	35	39
48MnV3		22	24	26
Acciai vari / Other steels				
1.0038	S235JR	2	2	3
1.0432	C21	5	5	6
1.0460	P250GH	3	3	3
1.0482	19Mn5	10	11	12
1.0503	C45	3	3	3
1.0511	C40	3	3	3
1.0528	C30	3	3	3
1.0535	C55	3	4	4
1.0540	C50	3	4	4
1.0553	S355J0	8	9	10
1.0565	P355NH	5	6	7
1.0566	P355NL1	6	6	7
1.0570	S355J2G3	6	6	7
1.0577	S355J2	8	8	9
1.0715	11SMn30	5	5	6
1.0721	10S20	6	6	7
1.0726	35S20	7	8	8
1.0764	36SMn14	6	7	8
1.1108	10Mn4	7	8	9
1.1121	C10E	5	5	6
1.1127	38Mn6	9	10	11
1.1132	C15E2C	5	5	6
1.1140	C15R	4	5	5
1.1141	C15E	4	5	5
1.1160	22Mn6	10	11	13
1.1167	36Mn5	6	6	7
1.1181	C35E	5	5	6
1.1191	C45E/CK45	5	6	6
1.1197	25MnV5	17	19	21
1.1201	C45R	3	3	3
1.1206	C50E	3	4	4
1.1213	CF53	2	3	3

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1.1219	C56E2	3	4	4
1.1221	C60E	6	6	7
1.1231	C67S	6	6	7
1.1236	C66D2	4	4	5
1.1241	C50R	3	4	4
1.1301	19MnVS6	27	29	33

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1.1302	30MnVS6	28	30	34
1.1303	38MnVS6	29	32	36
1.1304	46MnVD6	29	32	36
1.1305	46MnVS3	29	32	36
1.2007	70Cr2	18	19	22
1.2067	102Cr6	32	35	39
1.2242	59CrV4	41	45	51
1.2826	60MnSiCr4	19	21	23
1.3505	100Cr6	32	35	39
1.3520	100CrMnSi6-4	55	60	67
1.3531	16CrNiMo6	393	429	483
1.3536	100CrMo7-3	148	162	182
1.3537	100CrMo7	117	128	144
1.3538	100CrMo7-4	218	238	268
1.3539	100CrMnMoSi8-4-6	263	287	313
1.4021	X 20 Cr 13	255	278	440
1.4901	X10CrWMoVNb9-2	358	391	708
1.4903	X10CrMoVNb9-1	577	629	748
1.5066	30Mn5	8	9	10
1.5120	38MnSi4	14	15	17
1.5216	17MnV6	33	36	40
1.5217	20MnV6	32	35	40
1.5223	42MnV7	25	28	31
1.5231	38MnSiVS5	29	32	36
1.5232	27MnSiVS6	31	34	38
1.5233	44MnSiVS6	31	34	38
1.5243	42MnSiV3 - 3	25	27	30
1.5415	16Mo3	124	135	152
1.5423	16Mo5	221	241	271
1.5523	19MnB4	4	5	5
1.5526	30MNB4	10	11	12
1.5527	40MnB4	12	14	15
1.5532	38MnB5	6	6	7
1.5662	X 8 Ni 9	1405	1532	1724
1.5708	12NiCr3	113	124	139
1.5715	16NiCrS4	175	191	214
1.5752	15NiCr13	527	575	647
1.5810	18 NiCr 5-4	233	254	286
1.5918	17 CrNi 6-6	273	298	335
1.6510	39 NiCrMo 3	229	250	281
1.6511	36 CrNiMo 4	275	300	338
1.6522	20 NiCrMo 2	177	194	218
1.6523	20 NiCrMo 2-2	180	197	221
1.6526	20NiCrMoS2-2	179	195	219
1.6527	20NiCrMo3	216	236	266
1.6541	23 MnNiCrMo 5 2	199	218	245
1.6562	40 NiCrMo 8-4	445	485	546
1.6563	41 NiCrMo 7-3-2	404	441	496
1.6566	17 NiCrMo 6-4	313	341	384
1.6580	30 CrNiMo 8	528	576	648
1.6582	34 CrNiMo 6	383	418	470
1.6587	18 CrNiMo 7-6	415	452	509
1.6657	14 NiCrMo 13-4	667	728	819
1.6758	23 MnNiMoCr 5-4	388	424	477
1.6782	16NiCrMo12-6	636	694	781
1.6959	35 NiCrMoV 12-5	736	802	903
1.7016	17Cr3	22	24	26
1.7033	34Cr4	25	28	31
1.7034	37Cr4	25	28	31
1.7035	41Cr4	25	28	31
1.7039	41CrS4	25	28	31

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1.7043	38Cr4	25	28	31
1.7076	32CrB4	23	25	28
1.7077	36CrB4	24	26	30
1.7117	52SiCrNi5	126	138	155
1.7131	16 MnCr 5	25	28	31
1.7137	60 MnCrB 3	21	23	26

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
1.7139	16 MnCrS 5	25	28	31
1.7147	20 MnCr 5	30	32	36
1.7148	30MnCrB4-2	30	32	36
1.7149	20 MnCrS 5	30	32	36
1.7160	16 MnCrB 5	23	25	28
1.7168	18 MnCrB 5	27	29	33
1.7176	55Cr3	23	26	29
1.7177	60Cr3	18	19	22
1.7182	27 MnCrB 5 2	14	15	17
1.7185	33 MnCrB 5 2	14	15	17
1.7213	25 CrMoS 4	114	124	140
1.7216	30 CrMo 4	113	124	139
1.7218	25CrMo4	116	127	143
1.7220	34 CrMo 4	116	127	143
1.7223	41 CrMo 4	116	127	143
1.7225	42CrMo4	116	127	143
1.7226	34 CrMoS 4	116	127	143
1.7227	42 CrMoS 4	116	127	143
1.7228	50 CrMo 4	116	127	143
1.7243	18 CrMo 4	104	114	128
1.7311	20CrMo2	155	169	191
1.7319	20 MoCrS 3	156	170	191
1.7321	20 MoCr 4	192	210	236
1.7323	20 MoCrS 4	192	210	236
1.7325	25 MoCr 4	194	211	238
1.7326	25 MoCrS 4	194	211	238
1.7335	13 CrMo 4-5	199	217	244
1.7337	16 CrMo 4-4	203	222	249
1.7362	X12CrMo5	313	341	384
1.7380	10 CrMo 9 10	443	483	543
1.7383	11 CrMo 9-10	443	483	544
1.7386	X 12 CrMo 9 1	581	634	713
1.7701	52CrMoV4	129	141	158
1.7765	32CrMoV12-10	501	547	615
1.8062	46SiCrMo6	119	129	146
1.8159	51CrV4	53	58	65
1.8161	58 CrV 4	49	53	60
1.8201	7CrWVMoNb9-6	153	166	187
1.8515	31 CrMo 12	218	237	267
1.8519	31 CrMoV 9	153	167	188
1.8550	34 CrAlNi 7-10	285	310	349
1.8871	P460QH	18	20	22
1.8901	S 460 N	203	221	249
1.8905	P 460 N	118	128	144
1.8907	StE 500	143	157	176
1.8915	P460NL1	122	134	150
1.8928	S690QL	313	341	384
92145		32	35	39
92216		30	32	36
92421		200	218	246
92520		313	341	384
92523,0		250	273	307
0078 A		171	187	210
1.1301-1.1302 mod		27	30	33
107-38MnV5		27	29	33
108-C40Mn		14	15	17
113-35CrB5		25	27	30
123-35MnCrB5		20	22	25
129		15	16	18
15CrNi6		268	293	329
18NCD4 RENAULT (C9)		195	213	239

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
18M		42	45	51
1DRB		54	59	66
15NICUMONB5		336	366	412
16NiCrMo12		630	687	773
20MNCr5F		95	103	116
20NiCr6		237	258	291

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
21CrMoV5.11		488	532	598
21CRMOV5.7		339	370	416
22MnV6		62	67	76
23CrMoB3		144	158	177
23MCD5		102	111	125
23MnNiCrMo5.2		210	229	258
25CRNIMO2		263	287	323
27MnMoNiCr-AF		483	526	592
28 CDV5.08		408	445	501
30 Cr Si Mo V 663		168	184	207
30CRMOV10F		268	293	329
30NiCrMoV7		449	489	551
33MB		9	9	11
33MNCRMOb5		73	80	90
33MnCrMoB5-2 - AF		98	107	120
35MB4-2		11	11	13
35MNB5		18	20	23
37MNCRMOb5		61	66	74
39MNCRB6		18	19	22
368.6		136	148	167
40-45CrMo4+Ni		186	202	228
4130M		149	163	183
4140 MOD		155	169	190
AISI 4130H		122	133	149
41CrS4 Mod 27		59	65	73
42CrMo4 JMBK		156	170	191
42CRMO4 MOD.		203	221	249
42CrMo4 PBK		125	136	153
42CrMo4+Ni+V		191	208	234
4330		499	544	612
4330V		646	705	793
43crnimo4.6		344	375	422
45CRNIS+MO		96	105	118
45SiCrV6		59	64	72
4M		69	75	84
47TS2		13	14	16
50CRNIMOV4		193	211	237
50NICR13		527	575	647
56NiCrMoV7		497	543	610
605M36		108	118	133
61CrSiV5		54	59	66
8630/vgs		337	367	413
86B45 H		163	178	200
86CrMoV7		140	153	172
90MnCrV8		37	40	45
92523 Crown Wheel		250	273	307
92523 Pinion		245	268	301
9310 H		575	628	706
9313,0		600	655	736
A105/LF2/F52		39	42	48
A 1041 F		9	10	11
A182 F1		223	243	274
A182 F22 MOD.		443	483	543
A182F22 MOD 2		477	521	586
A193 B16	ASTM	278	303	341
A193 B7		116	127	143
A320 L7		168	184	207
A350 LF2/A105		6	6	7
A694 F65		20	22	24
A707L3 CL.3		60	66	74

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
ABS BAIN20		131	143	160
ABS BAIN20Eco		107	116	131
ABS BAIN40		138	151	170
AAR GRADE F		52	57	64
AISI 4140 MOD.80/110KSI		125	136	153
AISI 4145 MOD. 125KSI		179	196	220

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Aisi 4130 MOD. R		163	178	200
AISI 4130H/UNS H41300		102	112	125
Aisi 4718		305	333	375
Aisi 4815		651	710	799
Aisi 8630 MOD		322	351	395
AISI 8720		186	203	229
AISI410		282	308	347
AISI/SAE 4037 MOD		85	93	105
AMS 66320		208	227	255
AMS 6418		470	513	577
B222-5		92	100	112
B222-6(4122 MOD)		81	88	99
B222-7		84	91	102
B222-8		182	199	224
B30		13	14	16
B46-1		321	350	394
B63-1		198	215	242
B63-2 (V2525-60)		202	221	248
B79		226	246	277
C38N2		15	16	18
C38MNS6+AL		15	16	18
C50+MO		27	29	33
D60SiMn5/ A1		25	27	30
F11		208	227	256
F22		438	478	538
F22 MOD		501	547	615
Grade 50R		193	210	236
HMS 60		363	396	445
ITM 129		15	16	18
JDM 4320H		390	425	479
MTS 238 / SAE 1141/I		10	11	12
P420 QH		154	168	189
PS30 SAE 4715		339	370	417
PS55		592	646	726
PS65		22	24	27
RES 10460		8	9	10
RES166380		82	89	100
S1060		484	528	594
S460NL		88	96	108
S690QL1 1.8988		281	306	345
SA 508 Gr. 3		308	336	378
SA 765 Gr. 4		42	46	52
SAE 1017 MOD		11	12	13
SAE 4130 MOD2		176	193	217
SAE 4140		97	106	119
SAE 4320 JDM		402	438	493
SAE 4820		657	717	807
SAE 8620		180	197	221
SAE 8627H		172	188	211
SAE 8822H		221	242	272
STE460		77	84	94
STE 690		353	385	433
STE 690V		254	277	312
STE500/GSA10		37	41	46
ste890		436	476	535
Steel 9313		586	639	719
TK23F		103	112	126
TK28A		103	113	127
TS45.02		3	4	4
UC1		6	6	7

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V 2525-50		228	249	280
V2525-70		195	213	239
V2527-70		293	320	359
V2905-95		19	20	23
V2906		19	21	24
V2908-95		15	16	18
VSCH CRNI 2525 HL		188	206	231
VSCH-CRNI(S)-2525-U/HH+		192	209	236
VSCH-MNCR(S)-2158-U-HM		55	60	67
VSCH-MNCR(S)-2158-U-HH		60	66	74
VW 4227		25	27	31
VW 4521		412	450	506
VW1427		32	35	39
X19NiCrMo4		775	845	951
X30Cr13		248	270	304
ZF 1		273	298	335
ZF 1 A		414	452	508
ZF 49		25	27	31
ZF 50		5	6	7
ZF 6		45	49	55
ZF 63		27	29	33
ZF 64		25	28	31
ZF 7 B		30	32	36