

**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 Dicembre 2022- valid for December 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	EN 10263	23	25	28
38 Cr 2	EN 10263-4	32	35	39
34 - 41Cr 4	EN 10263-4	54	59	66
25 - 42 CrMo 4	EN 10263-4	144	157	176
30 -40 NiCrMo 2	EN 10263	253	276	311
38 NiCrMo 4	EN 10263	308	336	378
34 CrNiMo 6	EN 10263-4	482	526	592
40 NiCrMo 7	EN 10263	518	565	635
Acciai da bonifica / Hardening and tempering steels				
QS1105200		15	17	19
41 Cr 4	EN 10083.1	55	60	67
36 CrMn 4	UNI 7847	56	62	69
51 CrV 4	EN 10083.1	89	97	109
25 - 42 CrMo 4	EN 10083.1	144	157	176
20-25 MoCr4		206	225	253
40 NiCrMo 2	EN 10083.1	232	253	285
36CrNiMo4	EN 10083.1	332	362	408
39 NiCrMo 3	EN 10083.1	306	334	375
40 NiCrMo 7	UNI 6926	522	569	640
30CrNiMo 8	EN 10083.1	687	749	843
30 NiCrMo 12		850	927	1043
30 NiCrMoV 12	UNI 6787	885	966	1087
36 NiCrMo 16	EN 10083.1	1022	1115	1255
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	54	59	66
20 MnCr 5	EN 10084	63	69	78
SAE 94B17		136	149	167
18 CrMo 4	EN 10084	132	144	162
12 NiCr 3		167	182	205
16 - 20 CrNi 4	EN 10084	252	274	309
16 NiCr 11	EN 10084	605	660	743
16 - 20 NiCrMo 2	EN 10084	224	244	275
18 NiCrMo 5	EN 10084	409	447	503
17 CrNiMo 6	EN 10084	543	592	666
18 NiCrMo 7	EN 10084	560	611	687
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	290	316	356
31 CrMoV 9	EN 10085	219	239	269
34 - 41CrAlMo 7	EN 10085	219	239	268
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	53	58	65
36 CrMn 4	UNI 7847	58	64	72
41 CrMo 4	UNI 7847	129	141	159
40 NiCrMo 3	UNI 7847	309	337	379

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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	222	243	273
14 CrMo 3	EN 10216	260	283	319
18 CrMoSi 4	EN 10222	284	310	349
11 CrMo 9 10	EN 10222.2	493	538	605
16 CrMo 20 5	EN 10216.2	431	470	528
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	734	800	900
X 12 Ni 09	EN10222-4	1883	2054	2310
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	71	77	87
100 CrMo 7	EN 683.17	180	196	221
100 CrMn 4	EN 683.17	50	55	62
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	40	44	49
60 SiCr 8	EN 10089	58	63	71
52 SiCrNi 5	EN 10089	194	211	238
45 SiCrMo 6	EN 10089	137	150	168
55 Cr 3	EN 10089	42	46	52
50 CrV 4	EN 10089	87	95	107
51 CrMoV 4	EN 10089	162	177	199
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	39	42	47
19 - 46 MnVS 6	EN 10267	41	44	50
38MnSiVS6		44	48	54
D25M6		49	54	60
48MnV3		30	33	37
Acciai vari / Other steels				
1.0038	S235JR	4	4	5
1.0432	C21	8	9	10
1.0460	P250GH	5	5	6
1.0482	19Mn5	19	20	23
1.0503	C45	5	5	6
1.0511	C40	5	5	6
1.0528	C30	5	5	6
1.0535	C55	6	6	7
1.0540	C50	6	6	7
1.0553	S355J0	15	16	18
1.0565	P355NH	10	11	12
1.0566	P355NL1	10	11	12
1.0570	S355J2G3	10	11	13
1.0577	S355J2	14	15	17
1.0715	11SMn30	9	10	11
1.0721	10S20	11	12	13
1.0726	35S20	11	11	13
1.0764	36SMn14	11	13	14
1.1108	10Mn4	13	14	16
1.1121	C10E	9	10	11
1.1127	38Mn6	17	18	20
1.1132	C15E2C	9	10	11
1.1140	C15R	8	9	10
1.1141	C15E	8	9	10
1.1160	22Mn6	20	22	24
1.1167	36Mn5	10	11	13
1.1181	C35E	9	10	11
1.1191	C45E/CK45	10	11	12
1.1197	25MnV5	26	28	32
1.1201	C45R	5	5	6
1.1206	C50E	6	6	7
1.1213	CF53	4	5	5
1.1219	C56E2	6	6	7
1.1221	C60E	11	12	13
1.1231	C67S	11	12	13
1.1236	C66D2	7	8	9
1.1241	C50R	6	6	7
1.1301	19MnVS6	39	42	47
1.1302	30MnVS6	41	44	50
1.1303	38MnVS6	42	46	52

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1.1304	46MnVD6	42	46	51
1.1305	46MnVS3	41	45	50
1.2007	70Cr2	38	41	46
1.2067	102Cr6	71	77	87
1.2242	59CrV4	75	81	92
1.2826	60MnSiCr4	38	41	47
1.3505	100Cr6	71	77	87
1.3520	100CrMnSi6-4	105	115	129
1.3531	16CrNiMo6	512	559	629
1.3536	100CrMo7-3	193	211	237
1.3537	100CrMo7	162	176	198
1.3538	100CrMo7-4	261	285	321
1.3539	100CrMnMoSi8-4-6	312	340	383
1.4021	X 20 Cr 13	567	619	696
1.4901	X10CrWMoVNB9-2	1268	1324	1557
1.4903	X10CrMoVNB9-1	802	875	985
1.5066	30Mn5	15	17	19
1.5120	38MnSi4	26	28	32
1.5216	17MnV6	45	49	56
1.5217	20MnV6	45	49	55
1.5223	42MnV7	36	40	45
1.5231	38MnSiVS5	44	48	54
1.5232	27MnSiVS6	45	49	56
1.5233	44MnSiVS6	45	49	56
1.5243	42MnSiV3 - 3	50	55	62
1.5415	16Mo3	125	137	154
1.5423	16Mo5	218	237	267
1.5523	19MnB4	7	8	9
1.5526	30MNB4	20	22	25
1.5527	40MnB4	25	27	31
1.5532	38MnB5	10	11	12
1.5662	X 8 Ni 9	1881	2052	2309
1.5708	12NiCr3	162	177	199
1.5715	16NiCrS4	252	274	309
1.5752	15NiCr13	723	788	887
1.5810	18 NiCr 5-4	331	362	407
1.5918	17 CrNi 6-6	394	430	483
1.6510	39 NiCrMo 3	293	320	360
1.6511	36 CrNiMo 4	355	387	436
1.6522	20 NiCrMo 2	219	239	268
1.6523	20 NiCrMo 2-2	224	245	275
1.6526	20NiCrMoS2-2	221	241	272
1.6527	20NiCrMo3	271	296	332
1.6541	23 MnNiCrMo 5 2	242	264	297
1.6562	40 NiCrMo 8-4	562	613	690
1.6563	41 NiCrMo 7-3-2	522	569	640
1.6566	17 NiCrMo 6-4	409	447	503
1.6580	30 CrNiMo 8	687	749	843
1.6582	34 CrNiMo 6	506	552	621
1.6587	18 CrNiMo 7-6	543	592	666
1.6657	14 NiCrMo 13-4	876	956	1076
1.6758	23 MnNiMoCr 5-4	452	493	554
1.6782	16NiCrMo12-6	820	894	1006
1.6959	35 NiCrMoV 12-5	927	1012	1138
1.7016	17Cr3	46	51	57
1.7033	34Cr4	55	60	67
1.7034	37Cr4	55	60	67
1.7035	41Cr4	55	60	67
1.7039	41CrS4	55	60	67
1.7043	38Cr4	55	60	67
1.7076	32CrB4	50	54	61
1.7077	36CrB4	53	58	65
1.7117	52SiCrNi5	194	211	238
1.7131	16 MnCr 5	54	59	67
1.7137	60 MnCrB 3	45	49	55
1.7139	16 MnCrS 5	54	59	67
1.7147	20 MnCr 5	63	69	78
1.7148	30MnCrB4-2	63	69	78
1.7149	20 MnCrS 5	63	69	78

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1.7160	16 MnCrB 5	49	53	60
1.7168	18 MnCrB 5	58	63	71
1.7176	55Cr3	50	55	61
1.7177	60Cr3	38	42	47
1.7182	27 MnCrB 5 2	28	31	35
1.7185	33 MnCrB 5 2	29	32	36
1.7213	25 CrMoS 4	139	151	170
1.7216	30 CrMo 4	137	150	169
1.7218	25CrMo4	144	157	176
1.7220	34 CrMo 4	144	157	176
1.7223	41 CrMo 4	144	157	176
1.7225	42CrMo4	144	157	176
1.7226	34 CrMoS 4	144	157	176
1.7227	42 CrMoS 4	144	157	176
1.7228	50 CrMo 4	144	157	176
1.7243	18 CrMo 4	132	144	162
1.7311	20CrMo2	171	186	210
1.7319	20 MoCrS 3	177	193	217
1.7321	20 MoCr 4	204	222	250
1.7323	20 MoCrS 4	204	222	250
1.7325	25 MoCr 4	206	225	253
1.7326	25 MoCrS 4	206	225	253
1.7335	13 CrMo 4-5	219	239	269
1.7337	16 CrMo 4-4	228	249	280
1.7362	X12CrMo5	426	465	523
1.7380	10 CrMo 9 10	490	535	602
1.7383	11 CrMo 9-10	491	535	602
1.7386	X 12 CrMo 9 1	802	875	984
1.7701	52CrMoV4	162	177	199
1.7765	32CrMoV12-10	575	627	705
1.8062	46SiCrMo6	148	161	181
1.8159	51CrV4	89	97	109
1.8161	58 CrV 4	84	91	103
1.8201	7CrWVMoNb9-6	212	232	261
1.8515	31 CrMo 12	287	313	352
1.8519	31 CrMoV 9	219	239	269
1.8550	34 CrAlNi 7-10	382	417	469
1.8871	P460QH	28	30	34
1.8901	S 460 N	235	256	288
1.8905	P 460 N	158	172	193
1.8907	StE 500	194	212	238
1.8915	P460NL1	162	177	199
1.8928	S690QL	409	447	503
92145		46	50	56
92216		63	69	78
92421		221	241	271
92520		409	447	503
92523		336	366	412
0078 A		215	235	264
1.1301-1.1302 mod		38	42	47
107-38MnV5		36	39	44
108-C40Mn		28	31	34
113-35CrB5		53	58	66
123-35MnCrB5		42	46	51
15CrNi6		389	424	477
18NCD4 RENAULT (C9)		280	305	343
18M		52	57	64
1DRB		78	85	95
1E0028		12	13	15
1E0359		9	10	12
1E0042		11	12	13
1E0361A/B/C/D		10	11	13
1E0447		50	55	62
1E0490		161	176	198
1E0509		129	141	158
1E0621		13	15	16
1E0669		12	13	15
1E0670		14	16	18

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1E0686		15	16	18
1E0769		16	17	19
1E0778		145	158	178
1E0873		95	103	116
1E0951		94	102	115
1E0996		16	18	20
1E0997		101	111	124
1E1013		67	73	82
1E1054		172	188	211
1E1058		151	165	185
1E1120		99	108	122
1E1201		34	37	42
1E1239A		36	39	44
1E1239C		32	35	40
1E1239D		32	35	39
1E1239F		18	20	22
1E1239G		17	18	21
1E1239L		140	153	172
1E1239O		66	72	81
1E1286 - 1E1286B		71	77	87
1E1287		20	21	24
1E1482		24	26	30
1E1497		39	42	47
1E1632		32	35	39
1E1671		102	111	125
1E1848		129	141	158
1E1887		12	13	15
1E1901		50	55	62
1E1962		44	48	54
1E2757		464	506	569
1E2757 > 230		776	847	952
1E4146		175	191	215
1E4283		10	11	13
1E4336		473	516	580
1E4808		33	36	41
S355+V		24	26	29
1E1727		211	230	259
1E1371		248	270	304
1E1158		10	11	12
1E4787		522	569	640
15NICUMONB5		400	436	491
16NiCrMo12		813	887	998
20MNCr5F		141	153	173
20NiCr6		339	370	416
21CrMoV5.11		518	565	636
21CRMov5.7		377	412	463
22MnV6		88	96	108
23CrMoB3		166	181	204
23MCD5		147	160	180
23MnNiCrMo5.2		258	281	316
25CRNIMO2		314	343	386
27MnMoNiCr-AF		541	590	664
28 CDV5.08		450	491	552
30 Cr Si Mo V 663		230	251	283
30CRMov10F		340	371	418
30NiCrMoV7		565	616	693
33MB		17	18	21
33MNCrMOB5		90	99	111
33MnCrMoB5-2 - AF		116	126	142
35MB4-2		21	23	25
35MNB5		38	41	46
37MNCrMOB5		78	85	96
39MNCrB6		36	40	45
368.6		181	198	223
40-45CrMo4+Ni		238	259	292
4130M		177	193	217
AISI 4130H		151	165	185
41CrS4 Mod 27		91	99	111
42CrMo4 JMBK		182	199	224

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
42CRMO4 MOD.		259	282	317
42CrMo4 PBK		153	167	188
42CrMo4+Ni+V		244	266	299
4330		620	676	761
4330V		806	879	989
43crnimo4.6		450	490	552
45SiCrV6		111	122	137
4M		91	100	112
47TS2		26	28	32
50CRNIMOV4		245	267	300
50NICR13		723	788	887
56NiCrMoV7		617	673	758
605M36		113	123	139
8630/vgs		407	444	500
86B45 H		202	221	248
86CrMoV7		185	202	227
92523 Crown Wheel		336	366	412
92523 Pinion		333	363	408
9310 H		778	849	955
A105/LF2/F52		44	48	54
A 1041 F		16	18	20
A182 F1		222	242	273
A182 F22 MOD.		490	535	602
A193 B16	ASTM	309	337	379
A193 B7		144	157	176
A320 L7		210	230	258
A350 LF2/A105		10	11	12
A694 F65		29	31	35
ABSBAIN20		184	201	226
ABSBAIN20Eco		155	169	191
ABSBAIN40		169	184	207
AAR GRADE F		72	78	88
AISI 4140 MOD.80/110KSI		153	167	188
AISI 4145 MOD. 125KSI		209	228	256
Aisi 4130 MOD. R		206	225	253
Aisi 4718		371	404	455
Aisi 4815		838	914	1029
Aisi 8630 MOD		392	428	482
AISI 8720		234	255	287
AISI410		593	647	728
AMS 6418		589	642	723
B222-5		112	122	137
B222-6(4122 MOD)		99	108	121
B222-7		102	111	125
B222-8		212	231	260
B30		25	28	31
B46-1		418	455	512
B63-1		285	311	349
B63-2 (V2525-60)		277	302	340
B79		268	293	330
C38N2		29	32	36
C50+MO		29	32	35
D60SiMn5/ A1		50	55	62
F11		235	256	288
F22		481	525	590
F22 MOD		570	622	700
Grade 50R		232	253	285
HMS 60		401	438	492
ITM 129		29	32	36
JDM 4320		495	540	608
MTS 238 / SAE 1141/I		18	19	22
P420 QH		199	217	244
PS30 SAE 4715		396	432	485
PS55		703	767	863
PS65		47	51	58
RES 10460		28	31	34
RES166380		100	109	122
S1060		623	679	764
S460NL		124	136	153

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S690QL1 1.8988		371	405	456
SA 508 Gr. 3		345	376	423
SA 765 Gr. 4		62	67	76
SAE 1017 MOD		22	24	26
SAE 4130 MOD2		225	245	276
SAE 4140		124	136	153
SAE 4320 JDM		513	560	630
SAE 4820		846	923	1039
SAE 8620		224	244	275
SAE 8627H		216	235	265
SAE 8822H		260	284	319
STE460		100	109	123
STE 690		409	447	502
STE 690V		328	358	403
STE500/GSA10		51	56	63
ste890		564	616	693
Steel 9313		795	867	976
TK23F		150	164	184
TK28A		145	158	178
TS45.02		6	6	7
UC1		11	12	13
V 2525-50		300	327	368
V2525-70		280	306	344
V2527-70		415	453	509
V2905-95		26	28	32
V2906		27	30	34
V2908-95		29	32	36
VSCH CRNI 2525 HL		264	288	324
VSCH-CRNI(S)-2525-U/HH+		274	299	336
VSCH-MNCR(S)-2158-U-HM		96	104	117
VSCH-MNCR(S)-2158-U-HH		108	118	132
VW 4227		54	59	66
VW 4521		519	566	636
VW1427		46	50	56
X19NiCrMo4		1032	1126	1266
X30Cr13		558	608	685
ZF 1		394	430	483
ZF 1 A		541	590	664
ZF 49		32	35	39
ZF 50		10	11	12
ZF 6		72	79	88
ZF 63		58	63	71
ZF 64		55	60	67
ZF 7 B		63	69	78