

**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 Febbraio 2022- valid for February 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	28	32	36
38 Cr 2 KB	EN 10263-4	36	41	45
34 - 41Cr 4 KB	EN 10263-4	53	59	66
25 - 42 CrMo 4 KB	EN 10263-4	131	147	164
30 -40 NiCrMo 2 KB	EN 10263	215	242	269
38 NiCrMo 4 KB	EN 10263	255	287	319
34 CrNiMo 6 KB	EN 10263-4	390	438	487
40 NiCrMo 7 KB	EN 10263	417	469	521
Acciai da bonifica / Hardening and tempering steels				
QS1105200		30	33	37
41 Cr 4	EN 10083.1	54	61	68
36 CrMn 4	UNI 7847	57	64	71
51 CrV 4	EN 10083.1	86	97	108
25 - 42 CrMo 4	EN 10083.1	131	147	164
20-25 MoCr4		188	211	235
40 NiCrMo 2	EN 10083.1	199	224	249
36CrNiMo4	EN 10083.1	272	306	340
39 NiCrMo 3	EN 10083.1	254	285	317
40 NiCrMo 7	UNI 6926	420	472	525
30CrNiMo 8	EN 10083.1	552	620	689
30 NiCrMo 12		680	765	850
30 NiCrMoV 12	UNI 6787	710	799	887
36 NiCrMo 16	EN 10083.1	804	905	1005
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	57	64	71
20 MnCr 5	EN 10084	66	74	82
SAE 94B17		122	138	153
18 CrMo 4	EN 10084	121	136	151
12 NiCr 3		137	154	171
16 - 20 CrNi 4	EN 10084	205	231	257
16 NiCr 11	EN 10084	472	531	590
16 - 20 NiCrMo 2	EN 10084	192	216	240
18 NiCrMo 5	EN 10084	333	375	416
17 CrNiMo 6	EN 10084	440	494	549
18 NiCrMo 7	EN 10084	452	508	565
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	247	278	309
31 CrMoV 9	EN 10085	189	213	237
34 - 41CrAlMo 7	EN 10085	194	218	242
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	52	59	66
36 CrMn 4	UNI 7847	59	66	73
41 CrMo 4	UNI 7847	118	132	147
40 NiCrMo 3	UNI 7847	255	287	319

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Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	203	228	253
14 CrMo 3	EN 10216	230	259	288
18 CrMoSi 4	EN 10222	259	291	324
11 CrMo 9 10	EN 10222.2	429	483	536
16 CrMo 20 5	EN 10216.2	359	404	448
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	566	636	707
X 12 Ni 09	EN10222-4	1446	1627	1808
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	62	70	78
100 CrMo 7	EN 683.17	156	175	195
100 CrMn 4	EN 683.17	49	55	61
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	74	83	92
60 SiCr 8	EN 10089	92	104	115
52 SiCrNi 5	EN 10089	183	206	229
45 SiCrMo 6	EN 10089	149	168	187
55 Cr 3	EN 10089	44	50	55
50 CrV 4	EN 10089	84	95	106
51 CrMoV 4	EN 10089	150	168	187
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	54	60	67
19 - 46 MnVS 6	EN 10267	57	64	72
38MnSiVS6		63	71	79
D25M6		60	68	75
48MnV3		39	44	49
Acciai vari / Other steels				
1.0038	S235JR	8	9	10
1.0432	C21	16	18	20
1.0460	P250GH	10	11	12
1.0482	19Mn5	35	40	44
1.0503	C45	10	11	12
1.0511	C40	10	11	12
1.0528	C30	10	11	12
1.0535	C55	11	13	14
1.0540	C50	11	13	14
1.0553	S355J0	29	33	36
1.0565	P355NH	19	22	24
1.0566	P355NL1	20	22	24
1.0570	S355J2G3	21	23	26
1.0577	S355J2	27	31	34
1.0715	11SMn30	18	20	22
1.0721	10S20	21	23	26
1.0726	35S20	17	19	21
1.0764	36SMn14	23	26	29
1.1108	10Mn4	25	28	31
1.1121	C10E	17	19	21
1.1127	38Mn6	32	36	40
1.1132	C15E2C	17	19	21
1.1140	C15R	16	18	20
1.1141	C15E	16	18	20
1.1160	22Mn6	33	38	42
1.1167	36Mn5	21	23	26
1.1181	C35E	17	19	22
1.1191	C45E/CK45	19	21	23
1.1197	25MnV5	39	44	49
1.1201	C45R	10	11	12
1.1206	C50E	11	13	14
1.1213	CF53	8	9	10
1.1219	C56E2	11	13	14
1.1221	C60E	20	23	25
1.1231	C67S	20	23	25
1.1236	C66D2	13	15	17
1.1241	C50R	11	13	14
1.1301	19MnVS6	54	60	67
1.1302	30MnVS6	57	64	72
1.1303	38MnVS6	59	66	74

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1.1304	46MnVD6	58	65	73
1.1305	46MnVS3	52	59	65
1.2007	70Cr2	42	47	52
1.2067	102Cr6	62	70	78
1.2242	59CrV4	74	83	92
1.2826	60MnSiCr4	57	64	71
1.3505	100Cr6	62	70	78
1.3520	100CrMnSi6-4	103	116	129
1.3531	16CrNiMo6	408	459	510
1.3536	100CrMo7-3	171	192	214
1.3537	100CrMo7	141	158	176
1.3538	100CrMo7-4	230	259	288
1.3539	100CrMnMoSi8-4-6	279	314	348
1.4021	X 20 Cr 13	447	502	558
1.4901	X10CrWMoVNB9-2	1159	1223	1449
1.4903	X10CrMoVNB9-1	674	759	843
1.5066	30Mn5	29	33	37
1.5120	38MnSi4	48	54	60
1.5216	17MnV6	59	67	74
1.5217	20MnV6	58	66	73
1.5223	42MnV7	52	59	65
1.5231	38MnSiVS5	63	71	79
1.5232	27MnSiVS6	64	72	80
1.5233	44MnSiVS6	64	72	80
1.5243	42MnSiV3 - 3	70	79	88
1.5415	16Mo3	118	133	148
1.5423	16Mo5	194	218	242
1.5523	19MnB4	15	17	19
1.5526	30MNB4	26	29	32
1.5527	40MnB4	35	39	43
1.5532	38MnB5	20	22	25
1.5662	X 8 Ni 9	1443	1623	1804
1.5708	12NiCr3	128	144	160
1.5715	16NiCrS4	205	231	257
1.5752	15NiCr13	563	633	703
1.5810	18 NiCr 5-4	260	293	325
1.5918	17 CrNi 6-6	308	346	384
1.6510	39 NiCrMo 3	238	268	297
1.6511	36 CrNiMo 4	286	322	358
1.6522	20 NiCrMo 2	182	205	228
1.6523	20 NiCrMo 2-2	191	215	238
1.6526	20NiCrMoS2-2	184	207	230
1.6527	20NiCrMo3	222	250	277
1.6541	23 MnNiCrMo 5 2	206	232	258
1.6562	40 NiCrMo 8-4	456	513	570
1.6563	41 NiCrMo 7-3-2	420	472	525
1.6566	17 NiCrMo 6-4	333	375	416
1.6580	30 CrNiMo 8	552	620	689
1.6582	34 CrNiMo 6	372	419	466
1.6587	18 CrNiMo 7-6	440	494	549
1.6657	14 NiCrMo 13-4	688	774	860
1.6758	23 MnNiMoCr 5-4	378	426	473
1.6782	16NiCrMo12-6	650	731	812
1.6959	35 NiCrMoV 12-5	744	837	930
1.7016	17Cr3	48	54	60
1.7033	34Cr4	54	61	68
1.7034	37Cr4	54	61	68
1.7035	41Cr4	54	61	68
1.7039	41CrS4	54	61	68
1.7043	38Cr4	54	61	68
1.7076	32CrB4	45	51	56
1.7077	36CrB4	48	54	60
1.7117	52SiCrNi5	183	206	229
1.7131	16 MnCr 5	58	65	72
1.7137	60 MnCrB 3	47	53	59
1.7139	16 MnCrS 5	58	65	72
1.7147	20 MnCr 5	66	74	82
1.7148	30MnCrB4-2	66	74	82
1.7149	20 MnCrS 5	66	74	82

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1.7160	16 MnCrB 5	48	54	60
1.7168	18 MnCrB 5	60	68	75
1.7176	55Cr3	54	61	68
1.7177	60Cr3	37	42	46
1.7182	27 MnCrB 5 2	34	38	42
1.7185	33 MnCrB 5 2	35	39	44
1.7213	25 CrMoS 4	120	135	150
1.7216	30 CrMo 4	123	138	153
1.7218	25CrMo4	131	147	164
1.7220	34 CrMo 4	131	147	164
1.7223	41 CrMo 4	131	147	164
1.7225	42CrMo4	131	147	164
1.7226	34 CrMoS 4	131	147	164
1.7227	42 CrMoS 4	131	147	164
1.7228	50 CrMo 4	131	147	164
1.7243	18 CrMo 4	121	136	151
1.7311	20CrMo2	156	175	195
1.7319	20 MoCrS 3	163	183	204
1.7321	20 MoCr 4	185	208	231
1.7323	20 MoCrS 4	185	208	231
1.7325	25 MoCr 4	188	211	235
1.7326	25 MoCrS 4	188	211	235
1.7335	13 CrMo 4-5	195	219	244
1.7337	16 CrMo 4-4	203	228	254
1.7362	X12CrMo5	351	395	439
1.7380	10 CrMo 9 10	424	477	530
1.7383	11 CrMo 9-10	425	478	531
1.7386	X 12 CrMo 9 1	669	752	836
1.7701	52CrMoV4	150	168	187
1.7765	32CrMoV12-10	494	555	617
1.8062	46SiCrMo6	159	178	198
1.8159	51CrV4	86	97	108
1.8161	58 CrV 4	82	92	103
1.8201	7CrWVMoNb9-6	179	201	224
1.8515	31 CrMo 12	240	270	300
1.8519	31 CrMoV 9	189	213	237
1.8550	34 CrAlNi 7-10	305	343	381
1.8871	P460QH	42	48	53
1.8901	S 460 N	214	241	268
1.8905	P 460 N	142	160	178
1.8907	StE 500	172	193	215
1.8915	P460NL1	151	170	188
1.8928	S690QL	333	375	416
92145		62	69	77
92216		66	74	82
92421		200	225	250
92520		333	375	416
92523		275	310	344
0078 A		187	211	234
1 E 1286		71	80	89
1.1301-1.1302 mod		52	58	65
107-38MnV5		46	51	57
108-C40Mn		39	44	49
113-35CrB5		54	61	67
123-35MnCrB5		51	58	64
15CrNi6		307	345	384
18NCD4 RENAULT (C9)		228	256	285
18M		64	72	80
1DRB		81	91	101
1E0028		23	26	29
1E0359		18	20	23
1E0042		20	23	25
1E0361A/B/C/D		19	22	24
1E0447		53	60	66
1E0490		148	167	185
1E0509		120	135	150
1E0621		26	29	32
1E0669		23	26	29
1E0670		28	31	35

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
1E0686		28	32	36
1E0769		31	35	38
1E0778		132	149	165
1E0873		94	106	118
1E0951		93	105	117
1E0996		32	36	40
1E0997		100	112	125
1E1013		72	81	90
1E1054		155	175	194
1E1058		136	153	170
1E1120		94	106	117
1E1201		42	47	52
1E1239A		47	53	59
1E1239C		43	48	54
1E1239D		42	47	52
1E1239F		30	34	38
1E1239G		27	31	34
1E1239L		128	144	159
1E1239O		69	78	86
1E1286 - 1E1286B		71	80	89
1E1287		30	34	38
1E1482		33	37	42
1E1497		49	55	61
1E1632		42	48	53
1E1671		102	115	127
1E1848		120	135	149
1E1887		23	26	29
1E1901		62	70	78
1E1962		58	66	73
1E2757		389	437	486
1E2757 > 230		626	704	783
1E4146		170	192	213
1E4283		20	22	24
1E4336		382	429	477
1E4808		45	50	56
S355+V		36	40	44
1E1727		187	211	234
1E1371		242	272	302
1E1158		19	22	24
1E4787		421	473	526
16NiCrMo12		646	727	808
20MNCr5F		128	144	160
20NiCr6		272	306	340
21CrMoV5.11		455	511	568
22MnV6		92	103	115
23CrMoB3		152	171	190
23MCD5		134	150	167
23MnNiCrMo5.2		224	252	280
25CRNiMO2		271	305	339
28 CDV5.08		400	450	500
30 Cr Si Mo V 663		226	254	282
30CRMov10F		287	323	359
30NiCrMoV7		458	515	573
33MNCrMOB5		92	104	115
35MNB5		48	54	60
37MNCrMOB5		80	90	100
39MNCrB6		48	54	60
368.6		158	178	197
40-45CrMo4+Ni		203	228	254
4130M		159	179	199
41CrS4 Mod 27		86	97	107
42CrMo4 JMBK		164	185	205
42CRMO4 MOD.		220	248	276
42CrMo4 PBK		139	156	173
42CrMo4+Ni+V		210	237	263
4330		507	571	634
4330V		628	706	785
43crnimo4.6		364	409	455
4M		88	99	110

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
47TS2		37	41	46
50NICR13		563	633	703
56NiCrMoV7		505	568	632
605M36		115	130	144
8630/vgs		345	388	431
86B45 H		176	198	221
86CrMoV7		161	181	201
92523 Crown Wheel		275	310	344
92523 Pinion		273	307	341
A 1041 F		32	36	40
A182 F1		202	228	253
A182 F22 MOD.		422	474	527
A193 B16	ASTM	275	309	343
A193 B7		131	147	164
A320 L7		183	206	229
A694 F65		41	46	51
AISI 4140 MOD.80/110KSI		140	158	175
AISI 4145 MOD. 125KSI		190	214	238
Aisi 4130 MOD. R		179	201	223
Aisi 4718		310	349	388
Aisi 4815		662	744	827
Aisi 8630 MOD		329	371	412
AISI 8720		199	224	249
AISI410		453	509	566
AMS 6418		509	573	636
B222-5		109	123	136
B222-6(4122 MOD)		97	109	121
B222-7		100	113	125
B222-8		190	214	238
B30		37	41	46
B46-1		340	383	425
B63-1		229	258	287
B63-2 (V2525-60)		227	256	284
B79		231	260	289
C50+MO		31	35	39
D60SiMn5/ A1		70	79	88
F11		211	237	264
F22		411	463	514
F22 MOD		483	544	604
Grade 50R		202	227	252
HMS 60		353	397	442
ITM 129		42	47	52
JDM 4320		398	448	498
MTS 238 / SAE 1141/I		34	39	43
P420 QH		175	197	219
PS30 SAE 4715		333	375	725
PS55		580	652	
PS65		51	58	64
RES 10460		48	54	60
RES166380		99	112	124
S1060		506	570	633
S460NL		108	121	135
SA 508 Gr. 3		301	339	377
SA 765 Gr. 4		66	74	83
SAE 1017 MOD		29	33	36
SAE 4130 MOD		192	217	241
SAE 4320 JDM		413	464	516
SAE 4820		667	751	834
SAE 8620		192	216	240
SAE 8627H		184	207	230
SAE 8822H		226	254	282
STE460		102	115	127
STE 690		341	384	427
STE 690V		280	315	350

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STE500/GSA10		65	73	81
ste890		457	514	571
Steel 9313		624	702	780
TK23F		132	148	165
TK28A		131	147	164
TS45.02		11	13	14
UC1		20	23	25
V 2525-50		248	279	310
V2525-70		225	253	281
V2527-70		330	371	412
V2905-95		33	37	41
V2906		37	41	46
V2908-95		48	54	60
VSCH CRNI 2525 HL		215	242	269
VSCH-CRNI(S)-2525-U/HH+		218	245	272
VSCH-MNCR(S)-2158-U-HM		84	94	104
VSCH-MNCR(S)-2158-U-HH		100	113	125
VW 4227		53	59	66
VW 4521		415	467	519
VW1427		61	69	77
X19NiCrMo4		758	853	948
X30Cr13		438	493	547
ZF 1		308	346	384
ZF 1 A		439	494	549
ZF 49		36	41	45
ZF 50		19	21	24
ZF 6		73	82	91
ZF 63		58	65	73
ZF 64		54	61	68
ZF 7 B		66	74	82