

**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 Gennaio 2022- valid for January 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	34	38	42
38 Cr 2 KB	EN 10263-4	42	47	52
34 - 41Cr 4 KB	EN 10263-4	58	66	73
25 - 42 CrMo 4 KB	EN 10263-4	136	153	170
30 -40 NiCrMo 2 KB	EN 10263	218	246	273
38 NiCrMo 4 KB	EN 10263	258	290	322
34 CrNiMo 6 KB	EN 10263-4	392	440	489
40 NiCrMo 7 KB	EN 10263	417	469	521
Acciai da bonifica / Hardening and tempering steels				
QS1105200		37	41	46
41 Cr 4	EN 10083.1	60	68	75
36 CrMn 4	UNI 7847	64	72	80
51 CrV 4	EN 10083.1	91	103	114
25 - 42 CrMo 4	EN 10083.1	136	153	170
20-25 MoCr4		191	215	239
40 NiCrMo 2	EN 10083.1	203	228	253
36CrNiMo4	EN 10083.1	275	309	344
39 NiCrMo 3	EN 10083.1	256	288	320
40 NiCrMo 7	UNI 6926	420	473	525
30CrNiMo 8	EN 10083.1	552	621	690
30 NiCrMo 12		677	761	846
30 NiCrMoV 12	UNI 6787	705	793	881
36 NiCrMo 16	EN 10083.1	800	900	1000
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	64	72	80
20 MnCr 5	EN 10084	74	83	92
SAE 94B17		127	143	159
18 CrMo 4	EN 10084	126	142	158
12 NiCr 3		140	158	176
16 - 20 CrNi 4	EN 10084	209	236	262
16 NiCr 11	EN 10084	471	530	589
16 - 20 NiCrMo 2	EN 10084	195	220	244
18 NiCrMo 5	EN 10084	335	377	419
17 CrNiMo 6	EN 10084	442	497	552
18 NiCrMo 7	EN 10084	452	508	564
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	253	285	317
31 CrMoV 9	EN 10085	195	219	243
34 - 41CrAlMo 7	EN 10085	200	225	250
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	59	66	73
36 CrMn 4	UNI 7847	65	74	82
41 CrMo 4	UNI 7847	123	138	153
40 NiCrMo 3	UNI 7847	257	290	322

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Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	205	230	256
14 CrMo 3	EN 10216	233	262	291
18 CrMoSi 4	EN 10222	268	302	336
11 CrMo 9 10	EN 10222.2	433	487	541
16 CrMo 20 5	EN 10216.2	366	411	457
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	559	629	699
X 12 Ni 09	EN10222-4	1428	1606	1785
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	68	77	85
100 CrMo 7	EN 683.17	160	180	201
100 CrMn 4	EN 683.17	53	60	66
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	97	109	121
60 SiCr 8	EN 10089	118	133	148
52 SiCrNi 5	EN 10089	201	227	252
45 SiCrMo 6	EN 10089	169	190	211
55 Cr 3	EN 10089	50	56	62
50 CrV 4	EN 10089	90	101	112
51 CrMoV 4	EN 10089	155	174	193
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	62	69	77
19 - 46 MnVS 6	EN 10267	66	75	83
38MnSiVS6		74	84	93
D25M6		67	75	84
48MnV3		44	49	55
Acciai vari / Other steels				
1.0038	S235JR	9	10	11
1.0432	C21	19	21	24
1.0460	P250GH	12	13	15
1.0482	19Mn5	44	50	56
1.0503	C45	12	13	15
1.0511	C40	12	13	15
1.0528	C30	12	13	15
1.0535	C55	13	15	17
1.0540	C50	13	15	17
1.0553	S355J0	35	40	44
1.0565	P355NH	23	26	28
1.0566	P355NL1	23	26	29
1.0570	S355J2G3	24	27	30
1.0577	S355J2	33	37	41
1.0715	11SMn30	21	24	26
1.0721	10S20	26	29	32
1.0726	35S20	19	22	24
1.0764	36SMn14	27	30	33
1.1108	10Mn4	30	34	38
1.1121	C10E	21	24	26
1.1127	38Mn6	39	44	49
1.1132	C15E2C	21	23	26
1.1140	C15R	20	22	25
1.1141	C15E	20	22	25
1.1160	22Mn6	40	45	50
1.1167	36Mn5	24	27	30
1.1181	C35E	22	24	27
1.1191	C45E/CK45	23	26	29
1.1197	25MnV5	45	51	57
1.1201	C45R	12	13	15
1.1206	C50E	13	15	17
1.1213	CF53	10	11	12
1.1219	C56E2	13	15	17
1.1221	C60E	25	29	32
1.1231	C67S	25	29	32
1.1236	C66D2	17	19	21
1.1241	C50R	13	15	17
1.1301	19MnVS6	62	69	77
1.1302	30MnVS6	66	75	83
1.1303	38MnVS6	68	76	85

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1.1304	46MnVD6	67	75	83
1.1305	46MnVS3	59	67	74
1.2007	70Cr2	48	54	60
1.2067	102Cr6	68	77	85
1.2242	59CrV4	80	90	100
1.2826	60MnSiCr4	71	80	89
1.3505	100Cr6	68	77	85
1.3520	100CrMnSi6-4	115	129	143
1.3531	16CrNiMo6	406	457	508
1.3536	100CrMo7-3	177	199	222
1.3537	100CrMo7	146	165	183
1.3538	100CrMo7-4	236	265	295
1.3539	100CrMnMoSi8-4-6	287	323	359
1.4021	X 20 Cr 13	466	524	583
1.4901	X10CrWMoVNB9-2	1167	1232	1458
1.4903	X10CrMoVNB9-1	683	769	854
1.5066	30Mn5	36	41	45
1.5120	38MnSi4	62	69	77
1.5216	17MnV6	66	74	83
1.5217	20MnV6	65	73	81
1.5223	42MnV7	59	66	74
1.5231	38MnSiVS5	74	84	93
1.5232	27MnSiVS6	75	84	94
1.5233	44MnSiVS6	75	84	94
1.5243	42MnSiV3 – 3	87	98	109
1.5415	16Mo3	121	137	152
1.5423	16Mo5	193	217	241
1.5523	19MnB4	17	20	22
1.5526	30MNB4	29	33	36
1.5527	40MnB4	41	46	51
1.5532	38MnB5	23	26	29
1.5662	X 8 Ni 9	1424	1602	1780
1.5708	12NiCr3	128	145	161
1.5715	16NiCrS4	209	236	262
1.5752	15NiCr13	561	631	701
1.5810	18 NiCr 5-4	260	293	326
1.5918	17 CrNi 6-6	308	346	385
1.6510	39 NiCrMo 3	238	267	297
1.6511	36 CrNiMo 4	286	321	357
1.6522	20 NiCrMo 2	182	205	228
1.6523	20 NiCrMo 2-2	194	218	242
1.6526	20NiCrMoS2-2	185	208	231
1.6527	20NiCrMo3	222	249	277
1.6541	23 MnNiCrMo 5 2	208	234	260
1.6562	40 NiCrMo 8-4	457	514	571
1.6563	41 NiCrMo 7-3-2	420	473	525
1.6566	17 NiCrMo 6-4	335	377	419
1.6580	30 CrNiMo 8	552	621	690
1.6582	34 CrNiMo 6	371	418	464
1.6587	18 CrNiMo 7-6	442	497	552
1.6657	14 NiCrMo 13-4	684	770	855
1.6758	23 MnNiMoCr 5-4	377	424	472
1.6782	16NiCrMo12-6	647	727	808
1.6959	35 NiCrMoV 12-5	740	832	925
1.7016	17Cr3	54	60	67
1.7033	34Cr4	60	68	75
1.7034	37Cr4	60	68	75
1.7035	41Cr4	60	68	75
1.7039	41CrS4	60	68	75
1.7043	38Cr4	60	68	75
1.7076	32CrB4	48	54	60
1.7077	36CrB4	52	58	65
1.7117	52SiCrNi5	201	227	252
1.7131	16 MnCr 5	65	73	82
1.7137	60 MnCrB 3	53	60	67
1.7139	16 MnCrS 5	65	73	82
1.7147	20 MnCr 5	74	83	92
1.7148	30MnCrB4-2	74	83	92
1.7149	20 MnCrS 5	74	83	92

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1.7160	16 MnCrB 5	52	59	65
1.7168	18 MnCrB 5	67	76	84
1.7176	55Cr3	62	70	78
1.7177	60Cr3	40	45	50
1.7182	27 MnCrB 5 2	37	42	47
1.7185	33 MnCrB 5 2	39	44	49
1.7213	25 CrMoS 4	122	138	153
1.7216	30 CrMo 4	126	142	158
1.7218	25CrMo4	136	153	170
1.7220	34 CrMo 4	136	153	170
1.7223	41 CrMo 4	136	153	170
1.7225	42CrMo4	136	153	170
1.7226	34 CrMoS 4	136	153	170
1.7227	42 CrMoS 4	136	153	170
1.7228	50 CrMo 4	136	153	170
1.7243	18 CrMo 4	126	142	158
1.7311	20CrMo2	160	180	200
1.7319	20 MoCrS 3	168	189	210
1.7321	20 MoCr 4	189	212	236
1.7323	20 MoCrS 4	189	212	236
1.7325	25 MoCr 4	191	215	239
1.7326	25 MoCrS 4	191	215	239
1.7335	13 CrMo 4-5	198	223	248
1.7337	16 CrMo 4-4	207	233	258
1.7362	X12CrMo5	355	400	444
1.7380	10 CrMo 9 10	426	479	533
1.7383	11 CrMo 9-10	427	480	534
1.7386	X 12 CrMo 9 1	683	769	854
1.7701	52CrMoV4	155	174	193
1.7765	32CrMoV12-10	494	556	618
1.8062	46SiCrMo6	178	200	223
1.8159	51CrV4	91	103	114
1.8161	58 CrV 4	88	99	110
1.8201	7CrWVMoNb9-6	180	202	225
1.8515	31 CrMo 12	243	273	304
1.8519	31 CrMoV 9	195	219	243
1.8550	34 CrAlNi 7-10	305	343	381
1.8871	P460QH	49	55	61
1.8901	S 460 N	218	245	272
1.8905	P 460 N	149	167	186
1.8907	StE 500	178	201	223
1.8915	P460NL1	159	179	199
1.8928	S690QL	335	377	419
92145		70	79	88
92216		74	83	92
92421		204	229	255
92520		335	377	419
92523		278	313	348
0078 A		192	216	239
1 E 1286		77	87	97
1.1301-1.1302 mod		58	66	73
107-38MnV5		50	57	63
108-C40Mn		47	52	58
113-35CrB5		60	68	75
123-35MnCrB5		59	67	74
15CrNi6		310	349	387
18NCD4 RENAULT (C9)		232	261	290
18M		70	79	88
1DRB		89	100	111
1E0028		29	33	36
1E0359		22	25	28
1E0042		25	29	32
1E0361A/B/C/D		24	27	30
1E0447		60	67	75
1E0490		153	172	191
1E0509		125	141	156
1E0621		32	36	39
1E0669		29	33	36
1E0670		34	39	43

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
1E0686		35	39	44
1E0769		37	42	47
1E0778		136	153	170
1E0873		100	113	125
1E0951		99	112	124
1E0996		39	44	48
1E0997		106	119	132
1E1013		79	89	98
1E1054		159	178	198
1E1058		140	158	175
1E1120		98	110	122
1E1201		48	54	61
1E1239A		55	62	69
1E1239C		50	57	63
1E1239D		48	55	61
1E1239F		37	41	46
1E1239G		33	37	41
1E1239L		133	149	166
1E1239O		75	85	94
1E1286 - 1E1286B		78	88	97
1E1287		37	41	46
1E1482		39	44	49
1E1497		54	61	68
1E1632		49	56	62
1E1671		108	122	136
1E1848		125	141	156
1E1887		29	33	36
1E1901		70	78	87
1E1962		66	74	82
1E2757		390	439	488
1E2757 > 230		626	704	782
1E4146		177	199	222
1E4283		24	28	31
1E4336		384	432	480
1E4808		53	59	66
S355+V		41	46	51
1E1727		189	212	236
1E1371		264	297	330
1E1158		24	27	30
1E4787		421	474	526
16NiCrMo12		644	725	805
20MNCr5F		135	152	168
20NiCr6		275	309	344
21CrMoV5.11		453	510	567
22MnV6		99	111	124
23CrMoB3		157	176	196
23MCD5		141	158	176
23MnNiCrMo5.2		228	257	286
25CRNiMO2		276	310	344
28 CDV5.08		404	454	505
30 Cr Si Mo V 663		246	277	308
30CRMov10F		287	323	359
30NiCrMoV7		457	514	572
33MNCrMOB5		99	111	124
35MNB5		56	63	70
37MNCrMOB5		87	97	108
39MNCrB6		55	62	69
368.6		163	184	204
40-45CrMo4+Ni		207	233	259
4130M		164	185	205
41CrS4 Mod 27		93	104	116
42CrMo4 JMBK		169	190	211
42CRMO4 MOD.		225	253	281
42CrMo4 PBK		143	161	179
42CrMo4+Ni+V		214	241	267
4330		507	570	634
4330V		621	699	777
43crnimo4.6		365	411	457
4M		93	105	117

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
47TS2		44	49	55
50NICR13		561	631	701
56NiCrMoV7		505	568	631
605M36		121	136	151
8630/vgs		348	392	436
86B45 H		181	203	226
86CrMoV7		165	186	207
92523 Crown Wheel		278	313	348
92523 Pinion		276	311	345
A 1041 F		39	44	48
A182 F1		204	230	255
A182 F22 MOD.		423	476	529
A193 B16	ASTM	276	310	345
A193 B7		136	153	170
A320 L7		188	211	235
A694 F65		46	52	58
AISI 4140 MOD.80/110KSI		146	164	182
AISI 4145 MOD. 125KSI		196	220	245
Aisi 4130 MOD. R		183	206	229
Aisi 4718		312	351	390
Aisi 4815		657	739	821
Aisi 8630 MOD		332	374	415
AISI 8720		202	228	253
AISI410		466	524	582
AMS 6418		525	591	656
B222-5		115	130	144
B222-6(4122 MOD)		103	116	129
B222-7		106	119	132
B222-8		194	219	243
B30		43	49	54
B46-1		342	385	428
B63-1		232	261	290
B63-2 (V2525-60)		230	259	288
B79		234	264	293
C50+MO		33	37	41
D60SiMn5/ A1		87	98	109
F11		217	244	271
F22		410	461	513
F22 MOD		484	545	605
Grade 50R		206	232	257
HMS 60		354	398	442
ITM 129		49	55	62
JDM 4320		398	448	498
MTS 238 / SAE 1141/I		42	47	53
P420 QH		180	202	225
PS30 SAE 4715		335	376	724
PS55		579	651	
PS65		58	65	73
RES 10460		57	64	71
RES166380		106	119	132
S1060		509	572	636
S460NL		110	124	138
SA 508 Gr. 3		304	342	380
SA 765 Gr. 4		72	81	90
SAE 1017 MOD		35	39	43
SAE 4130 MOD		196	221	245
SAE 4320 JDM		413	465	516
SAE 4820		663	746	829
SAE 8620		195	220	244
SAE 8627H		188	211	235
SAE 8822H		229	258	286
STE460		107	121	134
STE 690		339	382	424
STE 690V		285	321	357

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STE500/GSA10		72	81	90
ste890		458	516	573
Steel 9313		622	700	777
TK23F		137	154	172
TK28A		137	155	172
TS45.02		13	15	17
UC1		25	29	32
V 2525-50		250	282	313
V2525-70		227	255	284
V2527-70		332	374	415
V2905-95		37	41	46
V2906		42	47	52
V2908-95		59	67	74
VSCH CRNI 2525 HL		218	245	273
VSCH-CRNI(S)-2525-U/HH+		219	246	274
VSCH-MNCR(S)-2158-U-HM		87	98	109
VSCH-MNCR(S)-2158-U-HH		108	122	135
VW 4227		57	64	72
VW 4521		412	464	515
VW1427		70	79	87
X19NiCrMo4		753	847	941
X30Cr13		458	515	572
ZF 1		308	346	385
ZF 1 A		442	497	552
ZF 49		37	42	47
ZF 50		24	26	29
ZF 6		80	90	100
ZF 63		65	73	81
ZF 64		61	68	76
ZF 7 B		74	83	92