

**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 2023- valid for February 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	19	21	24
38 Cr 2	EN 10263-4	26	28	32
34 - 41Cr 4	EN 10263-4	41	45	50
25 - 42 CrMo 4	EN 10263-4	174	190	214
30 -40 NiCrMo 2	EN 10263	313	341	384
38 NiCrMo 4	EN 10263	370	404	454
34 CrNiMo 6	EN 10263-4	566	617	694
40 NiCrMo 7	EN 10263	620	677	761
Acciai da bonifica / Hardening and tempering steels				
QS1105200		16	18	20
41 Cr 4	EN 10083.1	42	46	51
36 CrMn 4	UNI 7847	44	48	53
51 CrV 4	EN 10083.1	81	88	99
25 - 42 CrMo 4	EN 10083.1	174	190	214
20-25 MoCr4		286	312	351
40 NiCrMo 2	EN 10083.1	288	314	354
36CrNiMo4	EN 10083.1	390	425	478
39 NiCrMo 3	EN 10083.1	369	402	453
40 NiCrMo 7	UNI 6926	626	683	768
30CrNiMo 8	EN 10083.1	814	888	999
30 NiCrMo 12		1043	1138	1280
30 NiCrMoV 12	UNI 6787	1083	1181	1329
36 NiCrMo 16	EN 10083.1	1206	1315	1480
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	42	46	52
20 MnCr 5	EN 10084	50	54	61
SAE 94B17		163	178	200
18 CrMo 4	EN 10084	157	171	193
12 NiCr 3		184	201	226
16 - 20 CrNi 4	EN 10084	277	302	340
16 NiCr 11	EN 10084	693	756	851
16 - 20 NiCrMo 2	EN 10084	276	301	339
18 NiCrMo 5	EN 10084	485	529	595
17 CrNiMo 6	EN 10084	639	697	785
18 NiCrMo 7	EN 10084	680	742	834
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	328	358	402
31 CrMoV 9	EN 10085	229	250	281
34 - 41CrAlMo 7	EN 10085	264	288	324
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	40	44	50
36 CrMn 4	UNI 7847	45	49	55
41 CrMo 4	UNI 7847	155	169	190
40 NiCrMo 3	UNI 7847	369	403	453

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Acciai alte temperature / Creep resisting steels				
16 Mo 5	EN 10216	327	357	402
14 CrMo 3	EN 10216	353	385	433
18 CrMoSi 4	EN 10222	373	407	458
11 CrMo 9 10	EN 10222.2	655	714	804
16 CrMo 20 5	EN 10216.2	471	514	578
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	861	939	1057
X 12 Ni 09	EN10222-4	2210	2411	2712
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	52	56	63
100 CrMo 7	EN 683.17	205	223	251
100 CrMn 4	EN 683.17	38	42	47
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	42	45	51
60 SiCr 8	EN 10089	55	60	68
52 SiCrNi 5	EN 10089	206	224	252
45 SiCrMo 6	EN 10089	169	184	207
55 Cr 3	EN 10089	33	36	40
50 CrV 4	EN 10089	79	86	96
51 CrMoV 4	EN 10089	191	209	235
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	43	46	52
19 - 46 MnVS 6	EN 10267	45	49	55
38MnSiVS6		48	52	59
D25M6		50	55	62
48MnV3		33	36	41
Acciai vari / Other steels				
1.0038	S235JR	4	5	5
1.0432	C21	9	10	11
1.0460	P250GH	5	6	7
1.0482	19Mn5	20	21	24
1.0503	C45	5	6	7
1.0511	C40	5	6	7
1.0528	C30	5	6	7
1.0535	C55	6	7	8
1.0540	C50	6	7	8
1.0553	S355J0	16	17	20
1.0565	P355NH	11	11	13
1.0566	P355NL1	11	12	13
1.0570	S355J2G3	11	12	14
1.0577	S355J2	15	16	18
1.0715	11SMn30	10	11	12
1.0721	10S20	11	13	14
1.0726	35S20	12	13	14
1.0764	36SMn14	12	14	15
1.1108	10Mn4	14	15	17
1.1121	C10E	9	10	11
1.1127	38Mn6	18	19	22
1.1132	C15E2C	9	10	11
1.1140	C15R	9	10	11
1.1141	C15E	9	10	11
1.1160	22Mn6	20	21	24
1.1167	36Mn5	11	12	14
1.1181	C35E	10	10	12
1.1191	C45E/CK45	10	11	13
1.1197	25MnV5	28	31	35
1.1201	C45R	5	6	7
1.1206	C50E	6	7	8
1.1213	CF53	5	5	6
1.1219	C56E2	6	7	8
1.1221	C60E	11	12	14
1.1231	C67S	11	12	14
1.1236	C66D2	7	8	9
1.1241	C50R	6	7	8
1.1301	19MnVS6	43	46	52
1.1302	30MnVS6	45	49	55
1.1303	38MnVS6	47	51	57

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1.1304	46MnVD6	46	50	57
1.1305	46MnVS3	45	50	56
1.2007	70Cr2	30	33	37
1.2067	102Cr6	52	56	63
1.2242	59CrV4	64	70	79
1.2826	60MnSiCr4	35	38	43
1.3505	100Cr6	52	56	63
1.3520	100CrMnSi6-4	90	98	111
1.3531	16CrNiMo6	605	660	742
1.3536	100CrMo7-3	223	243	274
1.3537	100CrMo7	177	193	217
1.3538	100CrMo7-4	324	354	398
1.3539	100CrMnMoSi8-4-6	392	428	481
1.4021	X 20 Cr 13	401	438	492
1.4901	X10CrWMoVNB9-2	1217	1270	1494
1.4903	X10CrMoVNB9-1	881	961	1081
1.5066	30Mn5	16	18	20
1.5120	38MnSi4	27	29	33
1.5216	17MnV6	50	55	62
1.5217	20MnV6	50	54	61
1.5223	42MnV7	40	44	50
1.5231	38MnSiVS5	48	52	59
1.5232	27MnSiVS6	50	54	61
1.5233	44MnSiVS6	50	54	61
1.5243	42MnSiV3 - 3	45	49	55
1.5415	16Mo3	183	200	225
1.5423	16Mo5	322	352	396
1.5523	19MnB4	8	9	10
1.5526	30MNB4	17	19	21
1.5527	40MnB4	22	24	27
1.5532	38MnB5	11	12	13
1.5662	X 8 Ni 9	2208	2409	2710
1.5708	12NiCr3	179	195	220
1.5715	16NiCrS4	277	302	340
1.5752	15NiCr13	830	906	1019
1.5810	18 NiCr 5-4	367	401	451
1.5918	17 CrNi 6-6	431	470	528
1.6510	39 NiCrMo 3	352	384	432
1.6511	36 CrNiMo 4	423	461	519
1.6522	20 NiCrMo 2	271	295	332
1.6523	20 NiCrMo 2-2	276	301	339
1.6526	20NiCrMoS2-2	273	297	335
1.6527	20NiCrMo3	332	362	407
1.6541	23 MnNiCrMo 5 2	304	331	373
1.6562	40 NiCrMo 8-4	685	747	841
1.6563	41 NiCrMo 7-3-2	626	683	768
1.6566	17 NiCrMo 6-4	485	529	595
1.6580	30 CrNiMo 8	814	888	999
1.6582	34 CrNiMo 6	592	646	727
1.6587	18 CrNiMo 7-6	639	697	785
1.6657	14 NiCrMo 13-4	1039	1133	1275
1.6758	23 MnNiMoCr 5-4	587	640	720
1.6782	16NiCrMo12-6	983	1072	1206
1.6959	35 NiCrMoV 12-5	1128	1231	1385
1.7016	17Cr3	36	39	44
1.7033	34Cr4	42	46	51
1.7034	37Cr4	42	46	51
1.7035	41Cr4	42	46	51
1.7039	41CrS4	42	46	51
1.7043	38Cr4	42	46	51
1.7076	32CrB4	37	40	45
1.7077	36CrB4	39	43	48
1.7117	52SiCrNi5	206	224	252
1.7131	16 MnCr 5	43	47	53
1.7137	60 MnCrB 3	35	38	43
1.7139	16 MnCrS 5	43	47	53
1.7147	20 MnCr 5	50	54	61
1.7148	30MnCrB4-2	50	54	61
1.7149	20 MnCrS 5	50	54	61

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1.7160	16 MnCrB 5	37	41	46
1.7168	18 MnCrB 5	45	49	55
1.7176	55Cr3	40	43	49
1.7177	60Cr3	29	32	35
1.7182	27 MnCrB 5 2	23	26	29
1.7185	33 MnCrB 5 2	24	26	30
1.7213	25 CrMoS 4	169	185	208
1.7216	30 CrMo 4	169	184	207
1.7218	25CrMo4	174	190	214
1.7220	34 CrMo 4	174	190	214
1.7223	41 CrMo 4	174	190	214
1.7225	42CrMo4	174	190	214
1.7226	34 CrMoS 4	174	190	214
1.7227	42 CrMoS 4	174	190	214
1.7228	50 CrMo 4	174	190	214
1.7243	18 CrMo 4	157	171	193
1.7311	20CrMo2	230	251	282
1.7319	20 MoCrS 3	232	253	285
1.7321	20 MoCr 4	284	310	348
1.7323	20 MoCrS 4	284	310	348
1.7325	25 MoCr 4	286	312	351
1.7326	25 MoCrS 4	286	312	351
1.7335	13 CrMo 4-5	294	321	361
1.7337	16 CrMo 4-4	300	328	369
1.7362	X12CrMo5	467	509	573
1.7380	10 CrMo 9 10	652	711	800
1.7383	11 CrMo 9-10	652	711	800
1.7386	X 12 CrMo 9 1	870	949	1068
1.7701	52CrMoV4	191	209	235
1.7765	32CrMoV12-10	734	801	901
1.8062	46SiCrMo6	184	200	225
1.8159	51CrV4	81	88	99
1.8161	58 CrV 4	75	82	92
1.8201	7CrWVMoNb9-6	224	245	275
1.8515	31 CrMo 12	324	354	398
1.8519	31 CrMoV 9	229	250	281
1.8550	34 CrAlNi 7-10	439	479	539
1.8871	P460QH	30	33	37
1.8901	S 460 N	304	332	374
1.8905	P 460 N	186	203	228
1.8907	StE 500	227	248	279
1.8915	P460NL1	193	211	237
1.8928	S690QL	485	529	595
92145		50	55	62
92216		49	54	61
92421		296	323	363
92520		485	529	595
92523		388	424	477
0078 A		258	282	317
1.1301-1.1302 mod		43	47	52
107-38MnV5		40	44	50
108-C40Mn		25	27	31
113-35CrB5		41	45	51
123-35MnCrB5		35	38	43
15CrNi6		423	462	519
18NCD4 RENAULT (C9)		309	337	379
18M		64	70	78
1DRB		84	92	104
15NICUMONB5		514	560	630
16NiCrMo12		976	1065	1198
20MNCR5F		149	162	182
20NiCr6		374	408	459
21CrMoV5.11		711	775	872
21CRMov5.7		496	541	608
22MnV6		96	105	118
23CrMoB3		215	235	264
23MCD5		158	173	194
23MnNiCrMo5.2		321	351	394
25CRNIMO2		399	436	490

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
27MnMoNiCr-AF		722	787	886
28 CDV5.08		598	653	734
30 Cr Si Mo V 663		257	281	316
30CRMV10F		396	433	487
30NiCrMoV7		689	751	845
33MB		16	18	20
33MNCRMOB5		111	122	137
33MnCrMoB5-2 - AF		148	161	181
35MB4-2		20	21	24
35MNB5		32	35	40
37MNCRMOB5		93	102	114
39MNCRB6		32	34	39
368.6		212	231	260
40-45CrMo4+Ni		283	309	348
4130M		222	242	273
AISI 4130H		181	198	223
41CrS4 Mod 27		92	100	113
42CrMo4 JMBK		232	253	285
42CRMO4 MOD.		310	338	380
42CrMo4 PBK		187	204	230
42CrMo4+Ni+V		289	316	355
4330		763	833	937
4330V		990	1079	1214
43crnimo4.6		532	580	652
45SiCrV6		96	105	118
4M		105	114	128
47TS2		23	26	29
50CRNIMOV4		292	319	359
50NICR13		830	906	1019
56NiCrMoV7		759	828	931
605M36		162	176	198
8630/vgs		512	558	628
86B45 H		249	272	306
86CrMoV7		209	227	256
92523 Crown Wheel		388	424	477
92523 Pinion		382	417	469
9310 H		901	983	1105
9313		939	1024	1153
A105/LF2/F52		60	66	74
A 1041 F		17	19	21
A182 F1		327	357	402
A182 F22 MOD.		651	710	799
A193 B16	ASTM	406	442	498
A193 B7		174	190	214
A320 L7		255	278	313
A350 LF2/A105		11	12	13
A694 F65		32	35	39
ABSBAIN20		200	219	246
ABSBAIN20Eco		167	183	205
ABSBAIN40		208	227	256
AAR GRADE F		83	90	102
AISI 4140 MOD.80/110KSI		188	205	230
AISI 4145 MOD. 125KSI		267	291	328
Aisi 4130 MOD. R		248	270	304
AISI 4130H/UNS H41300		153	167	188
Aisi 4718		467	509	573
Aisi 4815		1011	1103	1241
Aisi 8630 MOD		490	535	602
AISI 8720		286	312	351
AISI410		443	483	544
AMS 6418		729	795	895
B222-5		138	151	170
B222-6(4122 MOD)		123	134	151
B222-7		126	138	155
B222-8		274	299	336
B30		23	25	28
B46-1		497	542	610
B63-1		312	341	383

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B63-2 (V2525-60)		315	343	386
B79		342	373	420
C38N2		29	31	35
C38MNS6+AL		28	31	35
C50+MO		41	44	50
D60SiMn5/ A1		45	49	55
F11		309	337	379
F22		644	702	790
F22 MOD		743	810	912
Grade 50R		290	316	355
HMS 60		530	578	650
ITM 129		26	29	32
JDM 4320H		603	658	740
MTS 238 / SAE 1141/I		19	21	23
P420 QH		240	262	295
PS30 SAE 4715		512	559	629
PS55		900	981	1104
PS65		37	41	46
RES 10460		28	30	34
RES166380		124	135	152
S1060		747	814	916
S460NL		140	153	172
S690QL1 1.8988		436	476	535
SA 508 Gr. 3		464	506	570
SA 765 Gr. 4		68	74	83
SAE 1017 MOD		19	21	23
SAE 4130 MOD2		268	292	329
SAE 4140		146	159	179
SAE 4320 JDM		622	678	763
SAE 4820		1023	1116	1256
SAE 8620		276	301	339
SAE 8627H		264	288	324
SAE 8822H		335	365	411
STE460		117	128	144
STE 690		531	579	651
STE 690V		391	426	480
STE500/GSA10		57	62	70
ste890		674	735	827
Steel 9313		918	1001	1126
TK23F		165	180	202
TK28A		164	179	201
TS45.02		6	7	8
UC1		11	12	14
V 2525-50		352	385	433
V2525-70		308	336	378
V2527-70		460	502	564
V2905-95		29	31	35
V2906		30	33	37
V2908-95		28	31	35
VSCH CRNI 2525 HL		295	322	362
VSCH-CRNI(S)-2525-U/HH+		303	331	372
VSCH-MNCR(S)-2158-U-HM		88	96	108
VSCH-MNCR(S)-2158-U-HH		98	107	120
VW 4227		41	45	50
VW 4521		634	691	778
VW1427		50	55	62
X19NiCrMo4		1209	1319	1484
X30Cr13		391	426	479
ZF 1		431	470	528
ZF 1 A		639	697	784
ZF 49		36	39	44
ZF 50		10	11	13
ZF 6		71	78	88
ZF 63		45	49	55
ZF 64		42	46	52
ZF 7 B		50	54	61