

**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 Marzo 2023- valid for March 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	rbs billets, bars, coils, forged bars	Bright-steel, rough- turned and peeled
Acciai per bulloneria / Bolts and nuts steels				
38 Cr 1	EN 10263	18	20	22
38 Cr 2	EN 10263-4	24	27	30
34 - 41Cr 4	EN 10263-4	39	42	48
25 - 42 CrMo 4	EN 10263-4	220	240	270
30 -40 NiCrMo 2	EN 10263	350	381	429
38 NiCrMo 4	EN 10263	404	441	496
34 CrNiMo 6	EN 10263-4	597	652	733
40 NiCrMo 7	EN 10263	650	709	797
Acciai da bonifica / Hardening and tempering steels				
QS1105200		16	17	19
41 Cr 4	EN 10083.1	40	43	49
36 CrMn 4	UNI 7847	41	45	51
51 CrV 4	EN 10083.1	81	88	100
25 - 42 CrMo 4	EN 10083.1	220	240	270
20-25 MoCr4		378	412	464
40 NiCrMo 2	EN 10083.1	326	356	400
36CrNiMo4	EN 10083.1	413	451	507
39 NiCrMo 3	EN 10083.1	403	440	494
40 NiCrMo 7	UNI 6926	655	715	804
30CrNiMo 8	EN 10083.1	869	948	1066
30 NiCrMo 12		1111	1212	1364
30 NiCrMoV 12	UNI 6787	1153	1257	1415
36 NiCrMo 16	EN 10083.1	1231	1343	1511
Acciai da cementazione / Case hardening steels				
16 MnCr 5	EN 10084	40	44	49
20 MnCr 5	EN 10084	47	51	58
SAE 94B17		181	198	222
18 CrMo 4	EN 10084	196	214	241
12 NiCr 3		175	191	215
16 - 20 CrNi 4	EN 10084	264	288	324
16 NiCr 11	EN 10084	661	721	811
16 - 20 NiCrMo 2	EN 10084	310	338	381
18 NiCrMo 5	EN 10084	509	555	625
17 CrNiMo 6	EN 10084	684	746	839
18 NiCrMo 7	EN 10084	730	796	896
Acciai da nitrurazione / Nitriding steels				
31 CrMo 12	EN 10085	405	442	497
31 CrMoV 9	EN 10085	268	293	329
34 - 41CrAlMo 7	EN 10085	333	363	409
Acciai per tempra superficiale / Surface hardening steels				
38 Cr 4	UNI 7847	38	42	47
36 CrMn 4	UNI 7847	43	46	52
41 CrMo 4	UNI 7847	194	212	238
40 NiCrMo 3	UNI 7847	399	435	490

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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	441	481	542
14 CrMo 3	EN 10216	465	507	571
18 CrMoSi 4	EN 10222	484	528	594
11 CrMo 9 10	EN 10222.2	858	936	1053
16 CrMo 20 5	EN 10216.2	576	629	707
Acciai basse temperature / Steels for low temperatures				
18 Ni 14	EN 10216-4	821	896	1008
X 12 Ni 09	EN10222-4	2107	2299	2586
Acciai per cuscinetti / Bearing steels				
100 Cr 6	EN 683.17	49	53	60
100 CrMo 7	EN 683.17	253	276	310
100 CrMn 4	EN 683.17	37	40	45
Acciai per molle / Spring steels				
48 - 60 Si 7	EN 10089	38	41	47
60 SiCr 8	EN 10089	51	55	62
52 SiCrNi 5	EN 10089	195	212	239
45 SiCrMo 6	EN 10089	206	225	253
55 Cr 3	EN 10089	31	34	38
50 CrV 4	EN 10089	79	86	97
51 CrMoV 4	EN 10089	233	254	286
Acciai microlegati / Micro-alloyed steels				
19 - 46 MnV 6	EN 10267	43	47	53
19 - 46 MnVS 6	EN 10267	45	49	56
38MnSiVS6		48	53	59
D25M6		51	56	63
48MnV3		34	37	42
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	19	20	23
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	19
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	10	12
1.0721	10S20	11	12	14
1.0726	35S20	12	13	15
1.0764	36SMn14	12	14	15
1.1108	10Mn4	13	14	16
1.1121	C10E	9	9	11
1.1127	38Mn6	17	19	21
1.1132	C15E2C	9	9	11
1.1140	C15R	8	9	10
1.1141	C15E	8	9	10
1.1160	22Mn6	19	21	23
1.1167	36Mn5	11	12	14
1.1181	C35E	9	10	11
1.1191	C45E/CK45	10	11	12
1.1197	25MnV5	29	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	13
1.1231	C67S	11	12	13
1.1236	C66D2	7	8	9
1.1241	C50R	6	7	8
1.1301	19MnVS6	43	47	53
1.1302	30MnVS6	45	49	56
1.1303	38MnVS6	47	52	58

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1.1304	46MnVD6	47	51	58
1.1305	46MnVS3	47	51	57
1.2007	70Cr2	29	31	35
1.2067	102Cr6	49	53	60
1.2242	59CrV4	64	69	78
1.2826	60MnSiCr4	33	36	40
1.3505	100Cr6	49	53	60
1.3520	100CrMnSi6-4	85	93	105
1.3531	16CrNiMo6	647	705	794
1.3536	100CrMo7-3	276	302	339
1.3537	100CrMo7	215	234	263
1.3538	100CrMo7-4	414	452	508
1.3539	100CrMnMoSi8-4-6	502	548	616
1.4021	X 20 Cr 13	379	414	466
1.4901	X10CrWMoVNb9-2	1298	1357	1593
1.4903	X10CrMoVNB9-1	1069	1166	1312
1.5066	30Mn5	16	17	19
1.5120	38MnSi4	25	27	31
1.5216	17MnV6	52	57	64
1.5217	20MnV6	51	56	63
1.5223	42MnV7	41	45	51
1.5231	38MnSiVS5	48	53	59
1.5232	27MnSiVS6	50	55	62
1.5233	44MnSiVS6	50	55	62
1.5243	42MnSiV3 - 3	42	46	51
1.5415	16Mo3	245	267	300
1.5423	16Mo5	437	476	536
1.5523	19MnB4	8	9	10
1.5526	30MNB4	17	18	21
1.5527	40MnB4	21	23	26
1.5532	38MnB5	11	12	13
1.5662	X 8 Ni 9	2106	2297	2584
1.5708	12NiCr3	171	186	209
1.5715	16NiCrS4	264	288	324
1.5752	15NiCr13	791	863	971
1.5810	18 NiCr 5-4	350	382	430
1.5918	17 CrNi 6-6	410	448	504
1.6510	39 NiCrMo 3	383	417	470
1.6511	36 CrNiMo 4	456	497	559
1.6522	20 NiCrMo 2	305	333	375
1.6523	20 NiCrMo 2-2	310	338	380
1.6526	20NiCrMoS2-2	307	335	377
1.6527	20NiCrMo3	364	397	446
1.6541	23 MnNiCrMo 5 2	349	380	428
1.6562	40 NiCrMo 8-4	735	802	902
1.6563	41 NiCrMo 7-3-2	655	715	804
1.6566	17 NiCrMo 6-4	509	555	625
1.6580	30 CrNiMo 8	869	948	1066
1.6582	34 CrNiMo 6	623	680	765
1.6587	18 CrNiMo 7-6	684	746	839
1.6657	14 NiCrMo 13-4	1048	1144	1287
1.6758	23 MnNiMoCr 5-4	689	752	845
1.6782	16NiCrMo12-6	1030	1124	1264
1.6959	35 NiCrMoV 12-5	1208	1318	1482
1.7016	17Cr3	34	37	42
1.7033	34Cr4	40	43	49
1.7034	37Cr4	40	43	49
1.7035	41Cr4	40	43	49
1.7039	41CrS4	40	43	49
1.7043	38Cr4	40	43	49
1.7076	32CrB4	35	38	43
1.7077	36CrB4	37	41	46
1.7117	52SiCrNi5	195	212	239
1.7131	16 MnCr 5	41	44	50
1.7137	60 MnCrB 3	33	36	41
1.7139	16 MnCrS 5	41	44	50
1.7147	20 MnCr 5	47	51	58
1.7148	30MnCrB4-2	47	51	58
1.7149	20 MnCrS 5	47	51	58

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1.7160	16 MnCrB 5	36	39	44
1.7168	18 MnCrB 5	43	47	53
1.7176	55Cr3	38	41	46
1.7177	60Cr3	28	30	34
1.7182	27 MnCrB 5 2	23	25	28
1.7185	33 MnCrB 5 2	24	26	29
1.7213	25 CrMoS 4	215	235	264
1.7216	30 CrMo 4	215	234	264
1.7218	25CrMo4	220	240	270
1.7220	34 CrMo 4	220	240	270
1.7223	41 CrMo 4	220	240	270
1.7225	42CrMo4	220	240	270
1.7226	34 CrMoS 4	220	240	270
1.7227	42 CrMoS 4	220	240	270
1.7228	50 CrMo 4	220	240	270
1.7243	18 CrMo 4	196	214	241
1.7311	20CrMo2	301	329	370
1.7319	20 MoCrS 3	301	328	369
1.7321	20 MoCr 4	376	410	462
1.7323	20 MoCrS 4	376	410	462
1.7325	25 MoCr 4	378	412	464
1.7326	25 MoCrS 4	378	412	464
1.7335	13 CrMo 4-5	385	420	473
1.7337	16 CrMo 4-4	392	427	481
1.7362	X12CrMo5	573	625	703
1.7380	10 CrMo 9 10	855	933	1050
1.7383	11 CrMo 9-10	856	933	1050
1.7386	X 12 CrMo 9 1	1061	1157	1302
1.7701	52CrMoV4	233	254	286
1.7765	32CrMoV12-10	941	1026	1155
1.8062	46SiCrMo6	226	247	278
1.8159	51CrV4	81	88	100
1.8161	58 CrV 4	75	82	92
1.8201	7CrWVMoNb9-6	262	286	321
1.8515	31 CrMo 12	402	439	493
1.8519	31 CrMoV 9	268	293	329
1.8550	34 CrAlNi 7-10	465	507	571
1.8871	P460QH	31	34	38
1.8901	S 460 N	360	393	442
1.8905	P 460 N	189	206	232
1.8907	StE 500	228	249	280
1.8915	P460NL1	202	220	248
1.8928	S690QL	509	555	625
92145		52	56	63
92216		47	51	58
92421		388	423	476
92520		509	555	625
92523,0		403	440	495
0078 A		306	334	375
1.1301-1.1302 mod		44	48	54
107-38MnV5		42	46	51
108-C40Mn		24	26	30
113-35CrB5		39	43	48
123-35MnCrB5		33	37	41
15CrNi6		403	439	494
18NCD4 RENAULT (C9)		294	321	361
18M		73	80	90
1DRB		99	108	122
15NICUMONB5		578	630	709
16NiCrMo12		1012	1104	1242
20MNCR5F		158	172	194
20NiCr6		357	389	438
21CrMoV5.11		931	1016	1143
21CRMV5.7		638	695	782
22MnV6		95	104	117
23CrMoB3		278	303	341
23MCD5		174	190	214
23MnNiCrMo5.2		365	398	448
25CRNIMO2		467	510	574

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
27MnMoNiCr-AF		887	968	1089
28 CDV5.08		775	845	951
30 Cr Si Mo V 663		305	332	374
30CRMV10F		478	521	586
30NiCrMoV7		742	810	911
33MB		16	17	19
33MNCRMOB5		139	152	171
33MnCrMoB5-2 - AF		188	205	230
35MB4-2		19	20	23
35MNB5		31	34	38
37MNCRMOB5		115	125	141
39MNCRB6		30	33	37
368.6		225	246	276
40-45CrMo4+Ni		323	352	396
4130M		284	310	349
AISI 4130H		226	247	278
41CrS4 Mod 27		106	115	130
42CrMo4 JMBK		298	326	366
42CRMO4 MOD.		354	386	434
42CrMo4 PBK		237	258	290
42CrMo4+Ni+V		330	360	405
4330		835	911	1025
4330V		1068	1165	1311
43crnimo4.6		560	611	688
45SiCrV6		92	101	113
4M		128	139	157
47TS2		22	24	27
50CRNIMOV4		335	365	411
50NICR13		791	863	971
56NiCrMoV7		838	914	1029
605M36		213	232	261
61CrSiV5		84	92	103
8630/vgs		593	647	728
86B45 H		284	310	349
86CrMoV7		254	277	312
92523 Crown Wheel		403	440	495
92523 Pinion		393	428	482
9310 H		886	967	1088
9313		925	1009	1136
A105/LF2/F52		76	83	94
A 1041 F		17	18	21
A182 F1		441	481	541
A182 F22 MOD.		855	932	1049
A193 B16	ASTM	518	565	636
A193 B7		220	240	270
A320 L7		302	329	370
A350 LF2/A105		11	12	13
A694 F65		33	36	40
ABSBAIN20		231	251	283
ABSBAIN20Eco		195	213	239
ABSBAIN40		263	287	323
AAR GRADE F		80	87	98
AISI 4140 MOD.80/110KSI		237	259	291
AISI 4145 MOD. 125KSI		344	375	422
Aisi 4130 MOD. R		290	316	356
AISI 4130H/UNS H41300		193	210	237
Aisi 4718		524	572	644
Aisi 4815		1024	1117	1257
Aisi 8630 MOD		561	612	688
AISI 8720		319	348	392
AISI410		418	456	513
AMS 6418		788	859	967
B222-5		174	190	214
B222-6(4122 MOD)		155	169	190
B222-7		159	174	195
B222-8		341	372	418
B30		22	24	27
B46-1		525	573	644

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		Ingots & continuous casting	rcs billets, bars, coils, forged bars	Bright-steel, rough-turned and peeled
B63-1		298	325	365
B63-2 (V2525-60)		326	355	400
B79		404	440	495
C38N2		27	29	33
C38MNS6+AL		27	29	33
C50+MO		53	58	65
D60SiMn5/ A1		42	46	51
F11		402	438	493
F22		848	925	1040
F22 MOD		942	1028	1156
Grade 50R		353	385	433
HMS 60		682	744	837
ITM 129		25	28	31
JDM 4320H		634	691	778
MTS 238 / SAE 1141/I		18	20	22
P420 QH		253	276	311
PS30 SAE 4715		606	661	743
PS55		1027	1120	1260
PS65		36	39	44
RES 10460		15	16	18
RES166380		156	170	191
S1060		798	871	980
S460NL		134	146	165
S690QL1 1.8988		453	494	556
SA 508 Gr. 3		560	611	687
SA 765 Gr. 4		66	72	81
SAE 1017 MOD		18	20	22
SAE 4130 MOD2		308	336	378
SAE 4140		181	198	223
SAE 4320 JDM		651	711	799
SAE 4820		1034	1128	1269
SAE 8620		310	338	381
SAE 8627H		296	323	364
SAE 8822H		399	435	489
STE460		125	137	154
STE 690		625	682	767
STE 690V		425	464	522
STE500/GSA10		59	64	72
ste890		713	777	875
Steel 9313		903	985	1108
TK23F		157	171	193
TK28A		166	181	203
TS45.02		6	7	8
UC1		11	12	13
V 2525-50		378	413	464
V2525-70		294	320	360
V2527-70		450	490	552
V2905-95		30	32	36
V2906		31	34	38
V2908-95		27	29	33
VSCH CRNI 2525 HL		296	322	363
VSCH-CRNI(S)-2525-U/HH+		289	315	355
VSCH-MNCR(S)-2158-U-HM		84	91	103
VSCH-MNCR(S)-2158-U-HH		93	102	114
VW 4227		39	43	48
VW 4521		682	744	837
VW1427		51	56	63
X19NiCrMo4		1204	1314	1478
X30Cr13		368	402	452
ZF 1		410	448	504
ZF 1 A		683	745	839
ZF 49		38	42	47
ZF 50		10	11	12
ZF 6		80	88	99
ZF 63		42	46	52
ZF 64		40	43	49
ZF 7 B		47	51	58