

EXAMPLES OF WORKPIECE MATERIALS FROM DIFFERENT STANDARDS

A full list of materials and comparisons between different standards can be found in Dormer Product Selector, available on CD or www.dormertools.com.

AMG	EN	W no.	DIN
1.1		1.1015, 1.1013	Rfe60, Rfe100
1.2	EN 10 025 – S235JRG2	1.1012, 1.1053, 1.7131	St37-2, 16MnCr5, St50-2
1.3	EN 10 025 – E295	1.1191, 1.0601	CK45, C60
1.4	EN 10 083-1 – 42 CrMo 4 EN 10 270-2	1.7225, 1.3505 1.6582, 1.3247	42CrMo4, 100Cr6 34CrNiMo6, S2-10-1-8
1.5	EN ISO 4957 – HS6-5-2 EN-ISO 4957 – HS6-5-2-5	1.2510, 1.2713 1.3247, 1.2080	100MnCrW12, 55NiCrMoV6 X210Cr12, S2-10-1-8
1.6	EN-ISO 4957 – HS2-9-1-8	1.2510, 1.2713 1.3247, 1.2080	100MnCrW12 X210Cr12, S2-10-1-8
1.7	EN-ISO 4957 – HS2-9-1-8	1.2510	100MnCrW4
1.8	EN-ISO 4957 – X40CrMoV5-1	1.3343, 1.2344	S6-5-2, GX40CrMoV5-1
2.1	EN 10 088-3 – X14CrMoS17	1.4305, 1.4104	X10CrNiS189, X12CrMoS17
2.2	EN 10 088-2,0 -3 – 1.4301+AT	1.4301, 1.4541 1.4571	X5CrNi189 X10CrNiMoTi1810
2.3	EN 10 088-3 – 1.4460	1.4460, 1.4512 1.4582	XBCrNiMo275, X4CrNiMoN6257
3.1	EN 1561 – EN-JL1030	0.6010, 0.6040	GG10, GG40
3.2	EN 1561 – EN-JL1050	0.6025, 0.6040	GG25, GG40
3.3	EN 1561 – EN-JL2040	0.7040, 0.7070 0.8145, 0.8045	GGG40, GGG70 GTS45-06, GTW45-07
3.4	EN 1561 – EN-JL2050	0.7040, 0.7070 0.8145, 0.8045	GGG40, GGG70 GTS45-06, GTW45-07
4.1		3.7024LN	Ti99,8
4.2		3.7164LN, 3.7119LN	TiAl6V4, TiAl55n2
4.3		3.7164LN 3.7174LN, 3.7184LN	TiAl6V4, TiAl6V5Sn2 TiAl4MoSn2
5.1		2.4060, 2.4066	Nickel 200, 270, Ni99,6
5.2		2.4630LN, 2.4602 2.4650LN	Nimonic 75, Monel 400 Hastelloy C, Inconel 600
5.3		2.4668LN, 2.4631LN 2.6554LN	Inconel 718 Nimonic 80A, Waspaloy
6.1	EN 1652 – CW004A	2.0060, 2.0070	E-Cu57, SE-Cu
6.2	EN 1652 – CW612N	2.0380, 2.0360 2.1030, 2.1080	CuZn39Pb2, CuZn40 CuSn8, CuSn6Zn
6.3	EN 1652 – CW508L	2.0321, 2.0260	CuZn37, CuZn28
6.4			Ampco 18, Ampco 25
7.1	EN 485-2 – EN AW-1070A	3.0255	Al99,5
7.2	EN 755-2 – EN AW-5005	3.1355, 3.3525	AlCuMg2, AlMg2Mn0,8
7.3	EN 1706 – EN AC-42000	3.2162.05, 3.2341.01	GD-AlSi8Cu, G-AlSi5Mg
7.4	SS-EN 1706 – EN AC-47000	3.2581.01	G-AlSi18, G-AlSi12
8.1			
8.2			
8.3			
9,1			
10.1			

General Information

	BS	SS	USA	UNS
1.1	230Mo7, 050A12	1160	Leaded Steels	G12120
1.2	060A35, 080M40, 4360-50B	1312, 1412, 1914	135, 30	G10100
1.3	080M46, 080A62	1550, 2142, 2172	1024, 1060, 1061	G10600
1.4	708M40/42, 817M40 534A99, BM2, BT42	1672-04, 2090 2244-02, 2541-02	4140, A2, 4340 M42, M2	G41270, G41470 T30102, T11342
1.5	B01, BM2, BT42 826 M40, 830M31	2244-04, 2541-03 2550, 2722, 2723	01, L6, M42, D3, A2 M2, 4140, 8630	G86300, T30102 T11302, T30403 T11342
1.6	801 826 M40, 830M31	2244-05, 2541-05 HARDOX 400	01, L6, M42, D3 4140, 8130	T30403, G41400 J14047
1.7	BO1, BD3, BH13	HARDOX 500		
1.8	BM2, BH13	2242 HARDOX 600		
2.1	303 S21 416 S37	2301, 2312, 2314 2346, 2380	303, 416 430F	S30300, S41600 S43020
2.2	304 S15, 321 S17 316 S, 320 S12	2310, 2333, 2337 2343, 2353, 2377	304, 321, 316	S30400, S32100 S31600
2.3	317 S16, 316 S16	2324, 2387, 2570	409, 430, 436	S40900, S4300, S43600
3.1	Grade150, Grade 400	0120, 0212, 0814	ASTM A48 class 20	F11401, F12801
3.2	Grade200, Grade 400	0125, 0130, 0140, 0217	ASTM A48 class 40 ASTM A48 class 60	F12801, F14101
3.3	420/12, P440/7 700/2, 30g/72	0219, 0717, 0727 0732, 0852	ASTM A220 grade 40010 ASTM A602 grade M4504	F22830 F20001
3.4	420/12, P440/7 700/2, 30g/72	0221, 0223 0737, 0854	ASTM A220 grade 90001 ASTM A602 grade M8501	F26230 F20005
4.1	TA1 to 9	Ti99,8	ASTM B265 grade 1	R50250
4.2	TA10 to 14, TA17	TiAl6V4, TiAl5Sn2	AMS4928	R54790
4.3	TA10 to 13, TA28	TiAl6V5Sn2	AMS4928, AMS4971	R56400, R54790
5.1	NA 11, NA12	Ni200, Ni270	Nickel 200, Nickel 230	N02200, N02230
5.2	HR203 3027-76		Nimonic 75, Monel400 Hastelloy, Inconel600	N06075, N10002 N04400, N06600
5.3	HR8 HR401, 601		Inconel 718, 625 Nimonic 80	N07718, N07080 N06625
6.1	C101	5010	101	C10100, C1020
6.2	CZ120, CZ109, PB104	5168		C28000, C37710
6.3	CZ108, CZ106	5150		C2600, C27200
6.4	AB1 type	5238, JM7-20		
7.1	LMO, 1 B (1050A)	4005	EC, 1060, 1100	A91060, A91100
7.2	LM5, 10, 12, N4 (5251)	4106, 4212	380, 520.0, 520.2, 2024, 6061	A03800, A05200, A92024
7.3	LM2, 4, 16, 18, 21, 22, 24, 25, 26, 27, L109	4244	319.0, 333.0 319.1, 356.0	A03190, A03330 C35600
7.4	LM6, 12, 13, 20, 28, 29, 30	4260, 4261, 4262	4032, 222.1, A332.0	A94032, A02220, A13320
8.1	Polystyrene, Nylon, PVC Cellulose, Acetate & Nitrate		Polystyrene, Nylon PVC	
8.2	Ebonite, Tufnol, Bakelite		Bakelite	
8.3	Kevlar Printed Circuit boards		Kevlar	
9,1	Ferrotic Ferrotitanit			
10.1				