

Machinability Comparison Chart

Carbon Steels		Alloy steels:		Aluminum and Magnesium Alloys:	
1015	72%	2355 annealed	70%		
1018	78%	4130 annealed	72%	aluminum, cold drawn	360%
1020	72%	4140 annealed	66%	aluminum, cast	450%
1022	78%	4142 annealed	66%	aluminum, die cast	76%
1030	70%	41L42 annealed	77%	magnesium, cold drawn	480%
1040	64%	4150 annealed	60%	magnesium, cast	480%
1042	64%	4340 annealed	57%		
1050	54%	4620	66%	Nodular Iron:	
1095	42%	4820 annealed	49%	60-40-18 annealed	61%
1117	91%	52100 annealed	40%	65-45-12 annealed	61%
1137	72%	6150 annealed	60%	80-55-06	39%
1141	70%	8620	66%		
1141 annealed	81%	86L20	77%		
1144	76%	9310 annealed	51%		
1144 annealed	85%			Gray Cast Iron:	
1144 stressproof	83%	Tool Steels:		ASTM class 20 annealed	73%
1212	100%	A-2	42%	ASTM class 25	55%
1213	136%	A-6	33%	ASTM class 30	48%
12L14	170%	D-2	27%	ASTM class 35	48%
1215	136%	D-3	27%	ASTM class 40	48%
		M-2	39%	ASTM class 45	36%
		O-1	42%	ASTM class 50	36%
		O-2	42%		