

Material Cross Reference Chart

This chart references common tooling materials and their designations in various regions. Contact AST Technology at contact@ast-tech.de for materials not listed here.

Materials	UA SAE/AISI	Japan	Germany W.nbr	United Kingdom
Low Carbon Steels (up to .35% Carbon)	1018	S15C	1.0453	080A15
	4130	SCM2		708A30
	8620	SNCM220H	1.6523	805A20
Medium Carbon Steels (.35 - .50% Carbon)	P20		1.2311/1.2330	4659
	4140	SCM440	1.7225	708A42
	A-2	SKD12	1.2363	BA2
High Carbon & Tool Steels (up to 1.50% Carbon)	D-2	SKD11	1.2379	BD2
	H-13	SKD61	1.2344	BH13
	M-2	SKH51	1.3343	BM2
	O-1	SKS21	1.2510	BO1
	O-2	SKS93	1.2842	
	S-7	SKH3		BT4
Stainless Steel	303	SUS303	1.4305	303S21
	420	SUS420J1	1.4021	X20Cr13
	440C	SUS440C	1.4125	

METRIC TO INCH CONVERSION FORMULAS

Multiply By				Multiply By
0.0394	Inch	Millimeter	25.4	
0.0016	Inch ²	Millimeter ²	645.16	
0.061	Inch ³	Centimeter ³	16.3871	
62.43	Lbs/ft ³	g/cm ³	0.016	
1.8° C+32	°F	°C	(°F-32)/1.8	