

TOOL STEEL SUMMARY OF GRADES

GRADE	TYPICAL CHEMICAL COMPOSITION						Description and Typical Applications
	C%	Si%	Mn%	Cr%	Mo%	V%	
AISI H13	0.39	1.00	0.40	5.25	1.35	1.20	Hot worked tool steel with good tensile and wear resistance properties. Most commonly used for Aluminium extrusion dies.
AISI D2	1.55	0.25	0.35	12.00	0.80	0.90	Cold worked tool steel with a high carbon, high chromium which gives this grade good toughness. It is a tool steel with high dimensional stability in heat treatment and is particularly suited for air cooling. Commonly used for punches and dies and shear blades.
AISI P20	0.40	0.30	1.50	1.90	0.20	-	Plastic Mould Steel is pre hardened to 29-33HRC. Excellent weldability with least hardness elevation. Commonly used for medium to large size moulds and automotive parts.