

Tool Steel A2 is an air-hardening, high-carbon, high-chromium alloy steel primarily used for tooling and machining applications. It belongs to the cold work tool steel category and is known for its excellent combination of toughness, wear resistance, and dimensional stability.

### Chemical Composition

Element	Maximum Unless Range is Specified
Silicon	.30
Carbon	1.50
Manganese	.30
Chromium	12.00
Molybdenum	.75
Vanadium	.90
Iron	Balance

### Physical Properties

Property	Maximum Unless Range is Specified
Density,lbs/in3	0.278
Specific Gravity	7.70
Modules of Elasticity ,ksi	30,000

### Mechanical Properties

Property	Maximum Unless Range is Specified
Machinability (based on carbon tool steel)	50%-60%
Hardness, Rockwell C	60

The material properties in this datasheet are provided by one of the manufacturers collaborating with Naxtry. Please note that material properties may slightly vary among different manufacturers. Naxtry can accommodate customer requests for specific materials or brands.