

1.2394 Tool Steel

Cold work tool steels

Designation by Standards

Brand Name	LH No.	Mat. No.
OH252	252	1.2394

Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	V
0.50	0.90	0.80	7.90	1.50	1.70

Description

Medium alloyed cold work steel tool steel with high toughness and wear resistance.

Applications

Severely stressed machine blades for cellulose and paper industry, woodworking milling cutters, flat and circular blades for cutting sheets/plates of thickness 5 to 15 mm.

Physical properties (average values) at ambient temperature

Module of elasticity [103 x N/mm²]: 210

Density [g/cm³]: 7.80

Hardening

Harden from a temperature of 1080-1120°C followed by oil quenching.

Forging

Hot forming temperature: 1100-900°C.