



As stated before, hacksaw blades come in different TPI.

These TPI will be more suitable for some jobs than others. The TPI rating will be the same regardless of the overall length of the blade.

In addition to TPI, the blades can be made out of different materials as well, each one having its own set of properties and ideal working use.

TEETH PER INCH (25mm)	SUITABLE FOR CUTTING
14 TPI	LARGE SIZES, ALUMINIUM AND OTHER SOFT METALS.
18 TPI	SUITABLE FOR GENERAL WORKSHOP CUTTING.
24 TPI	FOR CUTTING STEEL PLATE UP TO 5/6mm.
32 TPI	FOR CUTTING HOLLOW SECTIONS AND TUBING.

Hacksaw blades are typically constructed from three types of metal: carbon steel, high speed steel, bimetal material, or special materials like tungsten carbide..

- Carbon steel (Low Alloy): A blade composed entirely of carbon steel, teeth included, is suitable for DIY and non-demanding jobs. The flexibility of carbon steel is suitable for work that cannot be clamped down or is in an awkward location. These blades wear faster than high speed steel, but are also less expensive.
- High speed steel (Hard): High speed steel has a higher temperature rating than carbon steel, and therefore is suitable for cutting through stronger material since the blade will wear more slowly.
- Bimetal: Bimetal blades combine the best attributes of carbon steel and high speed steel. These blades use carbon steel for the blade's body and high speed steel for the teeth. This gives the blade flexibility and durability. These blades are considerably more expensive than carbon steel and high speed steel blades.
- Tungsten carbide: A tungsten carbide hacksaw blade typically has a carbon steel body, high speed steel teeth, and tungsten carbide content throughout the teeth. These blades can cut forward and backward. They are suitable for cutting through ceramics, glass, marble, and other hard materials.

Hacksaw Blades



Carbon Steel Recommended for general use by engineers, mechanics, electricians, plumbers and maintenance men.

Tungsten Alloy Steel Resist breakage, longer wearing and give satisfaction where fast, dependable results are essential.

High Speed Steel Heat resistant and suitable for cutting tough alloy steel.

Choose the right blades for the right works.

14 Teeth Per 25.4 mm For cutting soft solid steel, iron, rails, brass, bronze, copper and aluminium.

18 Teeth Per 25.4 mm For cutting tool steels, iron pipes and light angle iron.

24 Teeth Per 25.4 mm For cutting drill rods, medium sheet metal, tubing and solid brass.

32 Teeth Per 25.4 mm For cutting thin sheet metal and thin wall tubing.

Unit Per Doz

CODE			Length mm	Teeth Per Inch
Carbon Steel	Tungsten Alloy Steel	High Speed Steel		
61 34 31	61 34 41	61 34 51	250	14
32	42	52		18
33	43	53		24
34	44	54		32
61 34 35	61 34 45	61 34 55	300	14
36	46	56		18
37	47	57		24
38	48	58		32

Machine/Power Saw Blades



Tungsten Alloy Steel

Unit Per Pc.

CODE	Specification		Thick- ness mm	Teeth Per Inch
	Length mm	Width mm		
61 34 61	300	25	1.25	9
62				10
63				14
61 34 64	300	25	1.65	9
65				10
66				14
61 34 67	350	25	1.25	8
68				9
69				10
61 34 70	350	25	1.65	8

High Speed Steel

CODE	Specification		Thick- ness mm	Teeth Per Inch
	Length mm	Width mm		
61 34 76	300	25	1.25	9
77				10
78				14
61 34 79	300	25	1.65	9
80				10
81				14
61 34 82	350	25	1.25	8
83				9
84				10
61 34 85	350	31	1.25	9
86				10
61 34 87	350	25	1.65	8
88				9
89				10
61 34 90	350	31	1.25	9
91				10