

TOOL BITS / HOLDERS / BORING BARS



Tool Bits

Eclipse H5 tool bits have a 5% cobalt content to give optimum hardness, grindability and cutting performance. Square tool bits can be used in lathes and shaping machines. Round tool bits used in internal boring bars and slotting machines. Tool bits manufactured to ISO5421

H5 Square Part No.	H5 Round Part No.	Dimensions Section	Length	Pack Size
	TE70D/10	4.8mm ($\frac{3}{16}$ "	51mm (2")	10
	5 TE74B/10	4.8mm ($\frac{3}{16}$ "	76mm (3")	10
TD109R/10		6.4mm ($\frac{1}{4}$ "	76mm (3")	10
1 TD111M/10	TE111C/10	6.4mm ($\frac{1}{4}$ "	102mm (4")	10
TD149M/10		76mm (3")	76mm (3")	10
TD151N/10	TE151D/10	7.9mm ($\frac{5}{16}$ "	102mm (4")	10
2 TD189N/10	6 TE189J	9.5mm ($\frac{3}{8}$ "	76mm (3")	10
TD191W/10		9.5mm ($\frac{3}{8}$ "	102mm (4")	10
3 TD195C/10		9.5mm ($\frac{3}{8}$ "	153mm (6")	10
TD271F	TE271E	12.7mm ($\frac{1}{2}$ "	102mm (4")	5
TD275B/10		12.7mm ($\frac{1}{2}$ "	153mm (6")	5
TD311E/10		15.9mm ($\frac{5}{8}$ "	102mm (4")	5
TD315M		15.9mm ($\frac{5}{8}$ "	153mm (6")	5
4 TD351R/10		19.0mm ($\frac{3}{4}$ "	102mm (4")	5
TD355N/10		19.0mm ($\frac{3}{4}$ "	153mm (6")	5

Diameters quoted are approximate, actual diameters being slightly more than the nominals quoted.
We recommend that tool bits be ground under a copious flow of coolant to prevent build-up of heat.

Tool Bit Holders

Eclipse tool bit holders are designed to optimise toolbit performance. Eclipse holders clamp the tool bit securely and rigidly. Supplied complete with an Allen key and one Eclipse H5 tool bit

Part No.	Capacity mm	Capacity in	Shank Size mm	Shank Size in	Overall Length	Pack Size
524SL	5-7	$\frac{3}{16}$ - $\frac{1}{4}$	11.1 x 25.4	$\frac{7}{16}$ x 1	130mm (5 $\frac{1}{8}$ ")	1
7 534SL	8-10	$\frac{5}{16}$ - $\frac{3}{8}$	15.9 x 31.8	$\frac{5}{8}$ x 1 $\frac{1}{4}$	155mm (6")	1
544SL	10-12.7	$\frac{3}{8}$ - $\frac{1}{2}$	22.2 x 38	$\frac{7}{8}$ x 1 $\frac{1}{2}$	230mm (9")	1
8 523S	5-7	$\frac{3}{16}$ - $\frac{1}{4}$	14.3 x 19	$\frac{5}{16}$ x $\frac{3}{8}$	125mm (5")	1
533S	8-10	$\frac{5}{16}$ - $\frac{3}{8}$	17.5 x 25.4	1 $\frac{1}{8}$ x 1	155mm (6")	1

Holders with the suffix 'SL' are designed for use in American type (slotted pillar) tool posts. Holders with suffix 'S' are of more robust construction and are designed for use on English type lathes with flat tool rests, or 4 way turret tool posts.

Boring Bars

Made from H5 cobalt high speed steel. Shank ground on underside to provide a flat surface for ease of setting and to ensure rigidity when used in a tool post. Ends ground ready for use

Part No	Diameter	Length	Pack Size
9 TK105B	5mm ($\frac{3}{16}$ "	114mm (4 $\frac{1}{2}$ ")	10
TK146C/10	6.5mm ($\frac{1}{4}$ "	127mm (5")	10
TK188P/10	8mm ($\frac{5}{16}$ "	153mm (6")	10
10 TK230J/10	9.5mm ($\frac{3}{8}$ "	178mm (7")	10