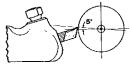
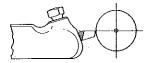
CUTTING TOOLS DATA

This Cutting Tool Data also available in chart form 12x16 inch size. Price 15¢

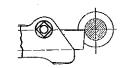
CORRECT HEIGHT OF THE CUTTING EDGE



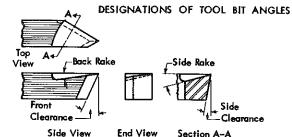




TAPER TURNING, THREAD CUTTING, BRASS TURNING



CUTTING OFF



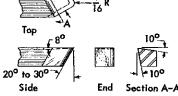
de	View	End View	Section A-A	

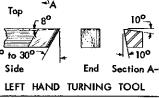
APPLICATIONS

APPLICATIONS

AN GLES T00L BIT

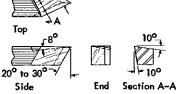


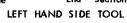


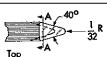


58° Point

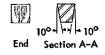




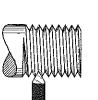


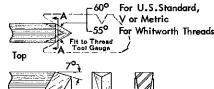






ROUND NOSED TURNING TOOL





Side End Section A-A SCREW THREAD CUTTING TOOL

Dry Sul.Base

Aluminum	300-400	Comp. or	Malleable Iron	80-130	Ð
		Kerosene			(
Brass, leaded	300-700	Dry or	Mang. Bronze	150-300	
		Ċомр.	Mang.Steel	20-40	C
Brass, red &	150-300	Comp.	Moly.Steel	100-120	(
yellow			Monel Metal	100-125	Co
Bronze, leaded	300-700	Comp.			5u
 Bronze, phosphor	75-150	Comp.	Nickel Silver	75~150	C
 Cast Iron	50-110	Dry	18%	1	}
Cast Steel	45-90	Comp.	Nickel Silver,	150-300	
Copper, leaded	300-700	Comp.	leaded	1	
Copper, electro.	75-150	Comp.	Nickel Steel	85-110	S
Chrome Steel	65-115	Comp.		1	Sυ
Die Castings	225~350°	Com-	Plastics, hot-	200-600	

Ft. per Minute

Cutting Speeds for Turning With High Speed Steel Cutting Tools

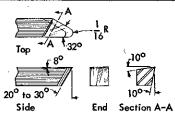
70-130 70-130 85-120 The above speeds have been work, Special conditions ma

Tungsten Steel

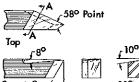
HONING the CUTTER BIT



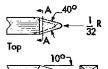
After grinding, hone cutting edge of tool on oil stone. It will improve cutting quality of cutter

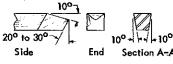


RIGHT HAND TURNING TOOL

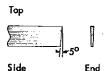


Side Section A-A RIGHT HAND SIDE TOOL



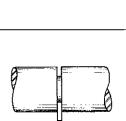


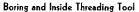
BRASS TURNING TOOL



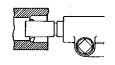
CUTTING OFF TOOL

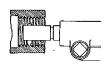
Cutting off tool cannot be ground in block











The boring tool is ground exactly the same as the left hand turning tool except the front clearance of boring tool must be ground at a slightly greater angle so that the heel of the tool will not rub in the hole of the work. The inside threading tool is ground the same as the screw thread cutting tool except that the front clearance must be increased for the same reason as for the boring tool.

NOTE: These are suggested starting angles for general work. Slightly smaller or larger angles may prove more efficient, depending on the texture of the material machined, finish required, cutting speed and the type of cutting tool used.



275-400

SOUTH BEND LATHE SOUTH BEND