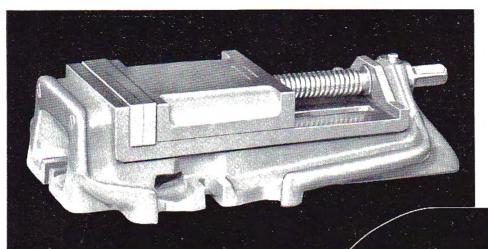
## PLAIN AND SWIVEL VISES



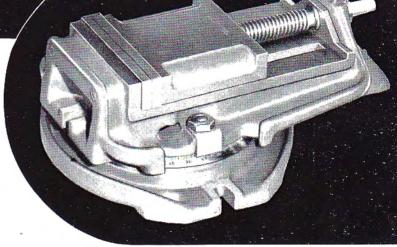
5", 6" and 7" Plain Vises

## MILLING MACHINE VISES

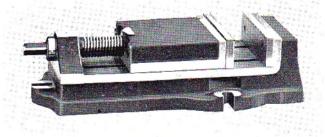
Milling machine vises are finding an increasing number of applications in the modern machine shop. In addition to their uses for milling, drilling, boring, and profiling operations, they are practical for dovetailing, slotting, plain milling of keyways and rack teeth, and shell end milling with small workpieces.

With the many recent improvements in milling machines, it has also been found necessary to modernize vises. Our engineers have improved their design and introduced several new refinements in construction and workmanship with the result that Milwaukee vises are more accurate and more rigid than ever before. The height has been reduced to the absolute minimum to bring the workpiece as close to the top of the milling machine table as possible, so that cutting stresses are reduced. The jaws are made of heat-treated tool steel, ground and casehardened, to withstand the pressure of heavy milling cuts and to prevent any pivotal action of the workpiece.

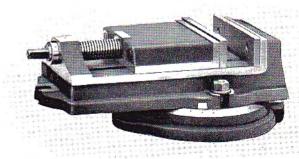
Both the plain and swivel vises in the 5", 6" and 7" sizes have been redesigned to include a new coolant trough as illustrated above. This trough provides a coolant return passage and is an important feature that will be appreciated both in your tool room and production line. The base of the swivel vise is accurately graduated throughout its plane of  $360^{\circ}$ . A crank and two holding down bolts with nuts and washers are furnished with each vise.



5", 6" and 7" Swivel Vises



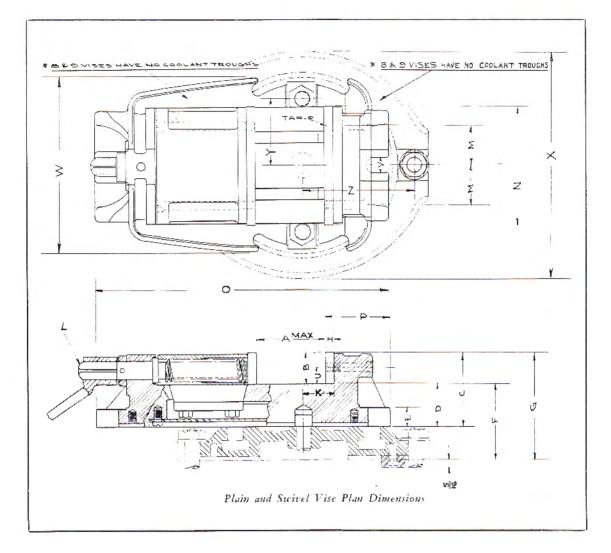
8" and 9" Plain Vises



8" and 9" Swirel Vises

## KEARNEY & TRECKER CORPORATION MILWAUKEE, WISCONSIN, U. S. A.

## DIMENSIONS AND SPECIFICATIONS



Size of Vise	A	в	с	D	Ē	2	F	G	н	к	L	м	N	о	I	•	R	υ	v	w	x	Y	z	Vise Weight	Vise and Swivel Weight	Code Word	Machin Used Or
5 Inches (With Coolant Trough)	3	1 7 ,	33	1 :	8 2	16 3	30 <sub>16</sub>	4 <sup>1</sup> (1)	5 8 8	1 3 5	5. <sup>5</sup> h	13,	51,	1211	10 3	;	<sub>8</sub> -16	8 4	Ч. <sub>й</sub>	725	10	2.5	4 : S	40	55	ATTDO	1H 2HL 2H
6 Inches (With Coolant Trough)	4	1 1 2	3 5	4 2 1	+	114	‡ <sup>3</sup> . њ	5 <sup>11</sup> b	12	2 * ;	<sup>0</sup> 8	21,	61,	15 %	.  3	1 <sub>4</sub> ī	√e−14	24, je	d R	9 : .	11 \	. 3 <sup>11</sup> .:	5 * 5	65	92	ATTAL	2H
7 Inches (With Coolant Trough)	5	2	4 8	. 2	. 1	4	17.16	6÷16	12	3 8 ,	17.	2 1	73.	181,	. 3	s.,	2-13	1-6	·- ie	11	13 1	1	61 <sub>8</sub>	111	149	ATTEP	2K 2KM
8 Inches	6	2 14	47	5.2 3	, 1	4	1.84	7	12	3:,,,		3	8.	19 8	3	1.2	- <u>1</u> 3	1415	11 16	*	12*	4%@	712	130	165	ΑΤΤΜΑ	3H 3K 3KM
9 Inches	7	2 3.	5:	s 2 3	, 1	-	5.9.5	7 * 5	12	4 1.	7.5	31	9 ° ,	24 [	2 4	1 <sub>4</sub>	ź-13	1 % 8	13 M	×	14*	47.	712	217	275	ATTUF	4H 4K 5H

The manufacturer reserves the right to improve, change, or modify the construction of these milling machines or attachments or any partthereof, as he may see fit, without incurring any obligation to make like changes on MILWAUKEE Milling Machines or attachments previously sold.

**KEARNEY & TRECKER CORPORATION** MILWAUKEE, WISCONSIN, U. S. A. FRINTED IN UNITED STATES OF AMERICA

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