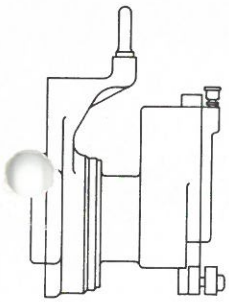
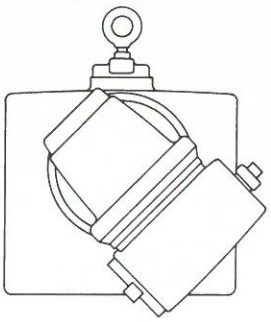
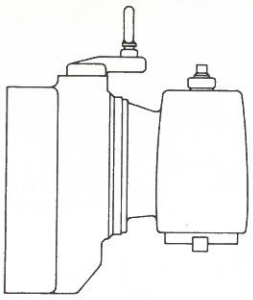
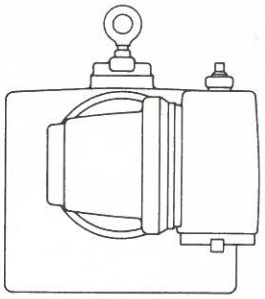
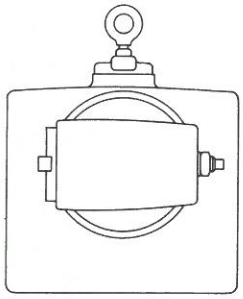
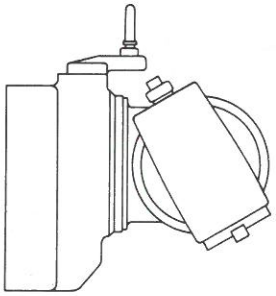
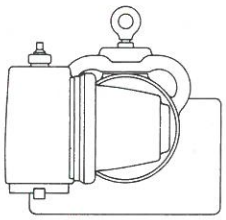
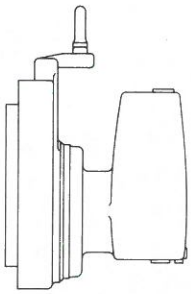
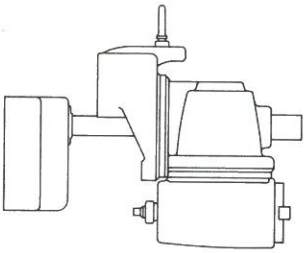
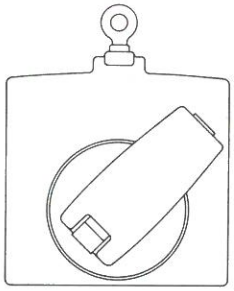
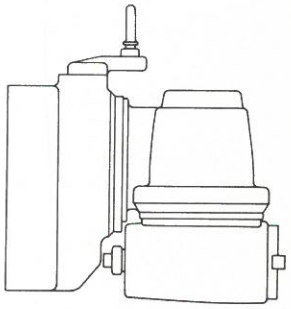
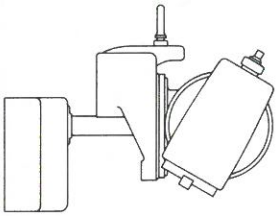








bulletin MH-66

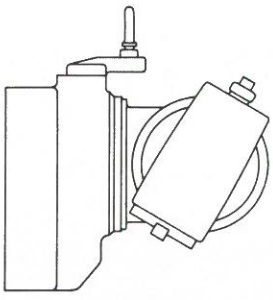
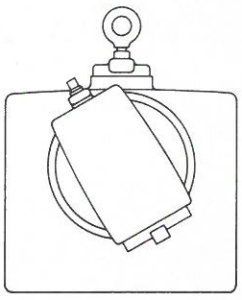





KEARNEY & TRECKER

MILWAUKEE®

MILLING and SLOTTING HEAD ATTACHMENTS and ACCESSORIES

. . . for added productivity on standard horizontal machines . . . angular and vertical milling operations without the investment for a vertical machine.

KEARNEY & TRECKER
MILWAUKEE®

MILLING MACHINE AND MILLING HEAD REFERENCE CHART

MACHINE	ATTACHMENT SERIES						
	Vertical	Universal	High Speed Adj. Universal	Heavy Duty High Speed Adj. Universal	Slotting	Manual Parking Unit	Power Parking Unit
1E, 2E, 2CE	5782 Page 2	5782 Page 6	5796 Page 12	—	4034 Page 14	4560 Page 17	—
1H, 2HL	5782 Page 2	5782 Page 6	5796 Page 12	—	4034 Page 14	4040 Page 17	—
1CH, 103CH, 2CHL, 203CH, 18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP	5782 Page 2	5782 Page 6	5796 Page 12	—	4034 Page 14	5008 Page 17	—
2H	5782 Page 2	5782 Page 6	5796 Page 12	—	4034 Page 14	4003 Page 17	—
2CH, 205CH	5782 Page 2	5782 Page 6	5796 Page 12	—	4034 Page 14	5009 Page 17	—
205SA, S-12	5782 Page 2	5782 Page 6	5796 Page 12	—	5770 Page 14	5749 Page 17	—
2K, 2KM, 3H, 3CE, 2CSM(20), 3CSM(20)	5812 Page 4	5812 Page 8	5796 Page 12	—	4033 Page 14	4004 Page 17	—
2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14, 210TF, 220TF, 310TF, 320TF	5812 Page 4	5812 Page 8	5796 Page 12	5111 Page 10	4033 Page 14	4004 Page 17	—
215TF-16, 220TF-16, 315TF-16, 320TF-16	5812 Page 4	5812 Page 8	5796 Page 12	5111 Page 10	4033 Page 14	4004 Page 17	5282 Page 10
S-15	5812 Page 4	5812 Page 8	5796 Page 12	—	5770 Page 14	5749 Page 17	7055 Page 16
3K, 3KM, 4H, 3CSM(30), 4CSM(30)	5812 Page 4	5812 Page 8	5796 Page 12	—	4033 Page 14	4005 Page 17	—
3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 315TF, 330TF, 415TF, 430TF	5812 Page 4	5812 Page 8	5796 Page 12	5111 Page 10	4033 Page 14	4005 Page 17	—
4K, 5H, 5HM, 4CSM(50), 5CSM(50), 6CSM(50)	5812 Page 4	5812 Page 8	5796 Page 12	—	4033 Page 14	5074 Page 17	—
320TF-17, 330TF-17, 420TF-17, 430TF-17	5812 Page 4	5812 Page 8	5796 Page 12	5111 Page 10	4033 Page 14	4005 Page 17	5282 Page 10
4CK, 5CK, 6CK, 425TF, 450TF, 525TF, 550TF, 625TF, 650TF	5812 Page 4	5812 Page 8	5796 Page 12	5111 Page 10	4033 Page 14	5074 Page 17	—
430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20	5812 Page 4	5812 Page 8	5796 Page 12	5111 Page 10	4033 Page 14	5074 Page 17	5282 Page 10

Note: Page number below each Series Number is the page on which the attachment is fully explained.

KEARNEY & TRECKER

MILWAUKEE®

VERTICAL

UNIVERSAL

HIGH SPEED

ADJUSTABLE

UNIVERSAL

MILLING HEADS

SLOTTING HEADS

MILLING HEAD PARKING UNITS

MANUAL

POWER

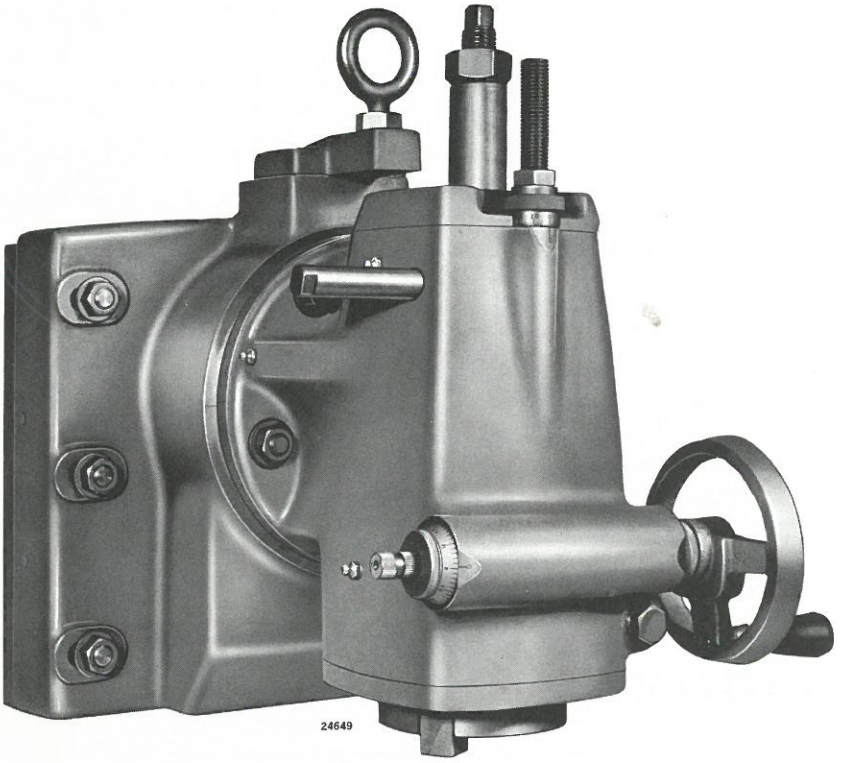
Consult chart for series number of attachment applicable to your milling machine

Series 5782

VERTICAL MILLING HEAD

FIXED OR ADJUSTABLE (3″) SPINDLE

KEARNEY & TRECKER MILWAUKEE®



Series 5782 Adjustable Spindle Vertical Milling Head

SPECIFICATIONS:

Fixed or adjustable (3″) spindle.
Head rotates 360° — parallel to table travel.
No. 50 taper spindle.
Spindle speeds same as machine spindle speeds.
Involute spline mounted gears throughout.
100% use of anti-friction bearings on all operating shafts.
Quill handwheel used on either side. Dials are graduated into 50 — .001″ increments. One revolution of handwheel advances spindle .050″.

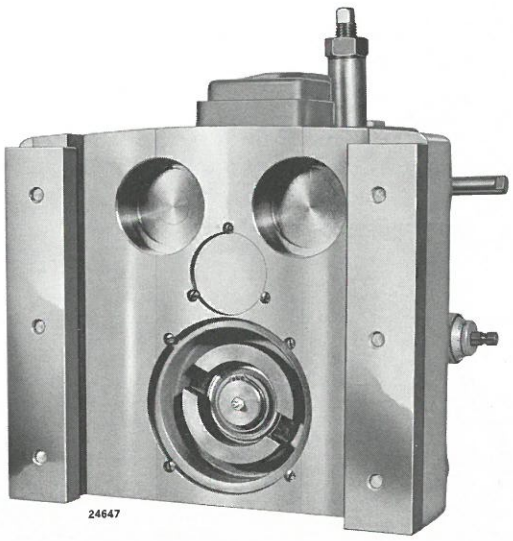
STANDARD EQUIPMENT:

1. Spindle drive keys.
2. Arbor draw-in rod.
3. Interchangeable quill handwheel. ①
4. Dual micrometer dials. ①
5. Keyed drive for machine spindle.
6. Coolant distributor mounting stud.

① Adjustable spindle model only.

ATTACHMENT SPINDLE SPEEDS SAME AS MACHINE SPINDLE SPEEDS

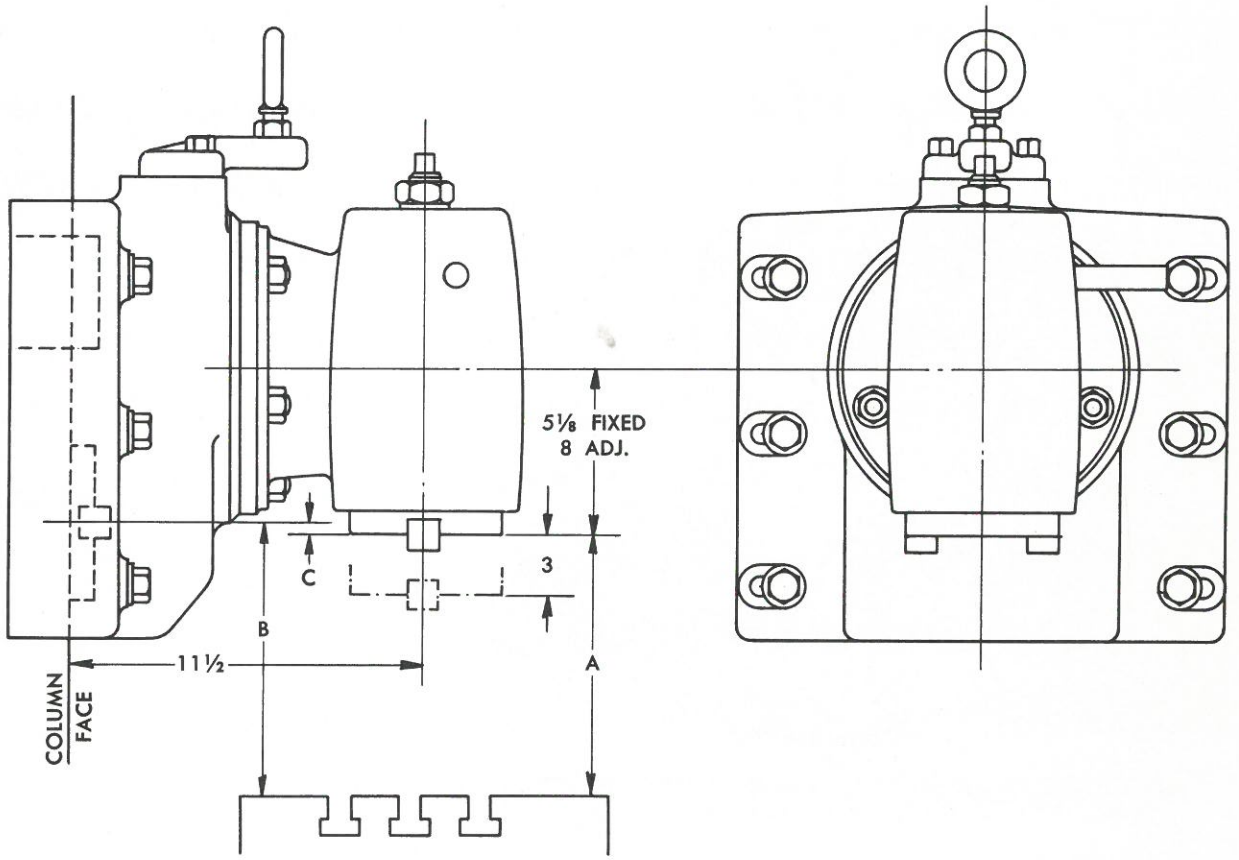
Keyed drive permits fast installation on machine column. Mount head on extended overarms, move head back to engage column face and mate the keyed drive with the machine spindle. Secure the base clamping gibs and head is ready for use. Thoughtful design and careful construction have made this head maintenance-free except for periodic lubrication.



Rear View — Showing Keyed Drive

CAPACITIES and MOUNTING DIMENSIONS

Series 5782 VERTICAL MILLING HEAD



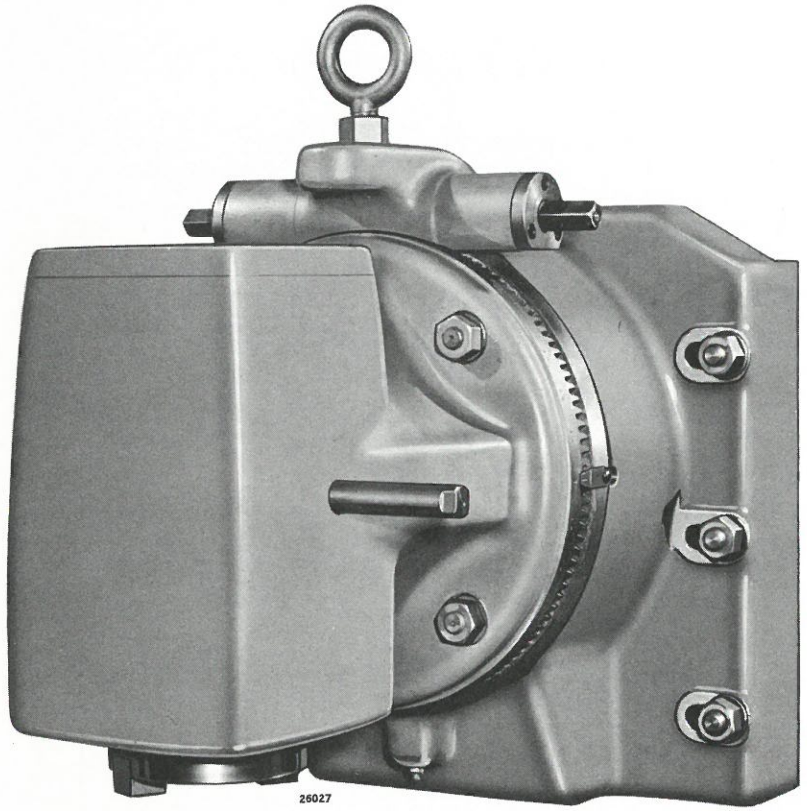
MACHINE	A FIXED PLAIN	A ADJ. PLAIN	A FIXED AC	A ADJ. AC	A FIXED UNIV.	A ADJ. UNIV.	B PLAIN	B PLAIN AC	B UNIV.	C FIXED	C ADJ.
1E, 2E	16⅝	13¾	—	—	15⅝	12¾	17⅜	—	16⅜	¾	3⅝
2CE	16¼	13⅜	—	—	15¼	12⅜	17	—	16	¾	3⅝
1H, 2HL	15½	12⅝	—	—	14½	11⅝	16¼	—	15¼	¾	3⅝
1CH, 103CH, 2CHL, 203CH	16½	13⅝	—	—	15½	12⅝	17¼	—	16¼	¾	3⅝
18AC, 18CH, 103CHP 24AC, 24CH, 203CHP	—	—	14¾	11⅞	—	—	—	15½	—	¾	3⅝
2H	17⅛	14¼	—	—	15⅞	13	17¼	—	16	⅛	3
2CH, 205CH, 205SA	18⅛	15¼	17⅜	14½	16¾	13⅞	18¼	17½	16⅞	⅛	3
205S-12, 307S-12	18⅛	15¼	18⅛	15¼	16½	13⅞	18¼	18¼	16⅝	⅛	3

FIXED = FIXED SPINDLE
ADJ. = ADJUSTABLE SPINDLE
PLAIN = PLAIN STYLE MACHINE
AC = MACHINES EQUIPPED WITH AUTOCYCLE
UNIV. = UNIVERSAL STYLE MACHINE

Series 5812

VERTICAL MILLING HEAD

FIXED OR ADJUSTABLE (3-1/2") SPINDLE



Series 5812 Fixed Spindle Vertical Milling Head

KEARNEY & TRECKER MILWAUKEE®

The smooth and quiet power transmission of Kearney & Trecker milling heads under all load conditions is attributed to heavy shafts, high capacity anti-friction bearings and involute spline-mounted, precision-cut gears. Installed on the machine, the milling head functions as an integral part of the machine thereby providing the concept of a solid construction vertical style milling machine.

SPECIFICATIONS:

Fixed or adjustable (3½") spindle.

Handcrank, worm and worm gear arrangement rotates head through 360° plane parallel to table travel.

No. 50 taper spindle.

Spindle speeds same as machine spindle speeds.

Involute spline mounted gears throughout.

100% use of anti-friction bearings on all operating shafts.

Quill handwheel used on either side. Dials are graduated into 50 — .001" increments. One revolution of handwheel advances spindle .050".

STANDARD EQUIPMENT:

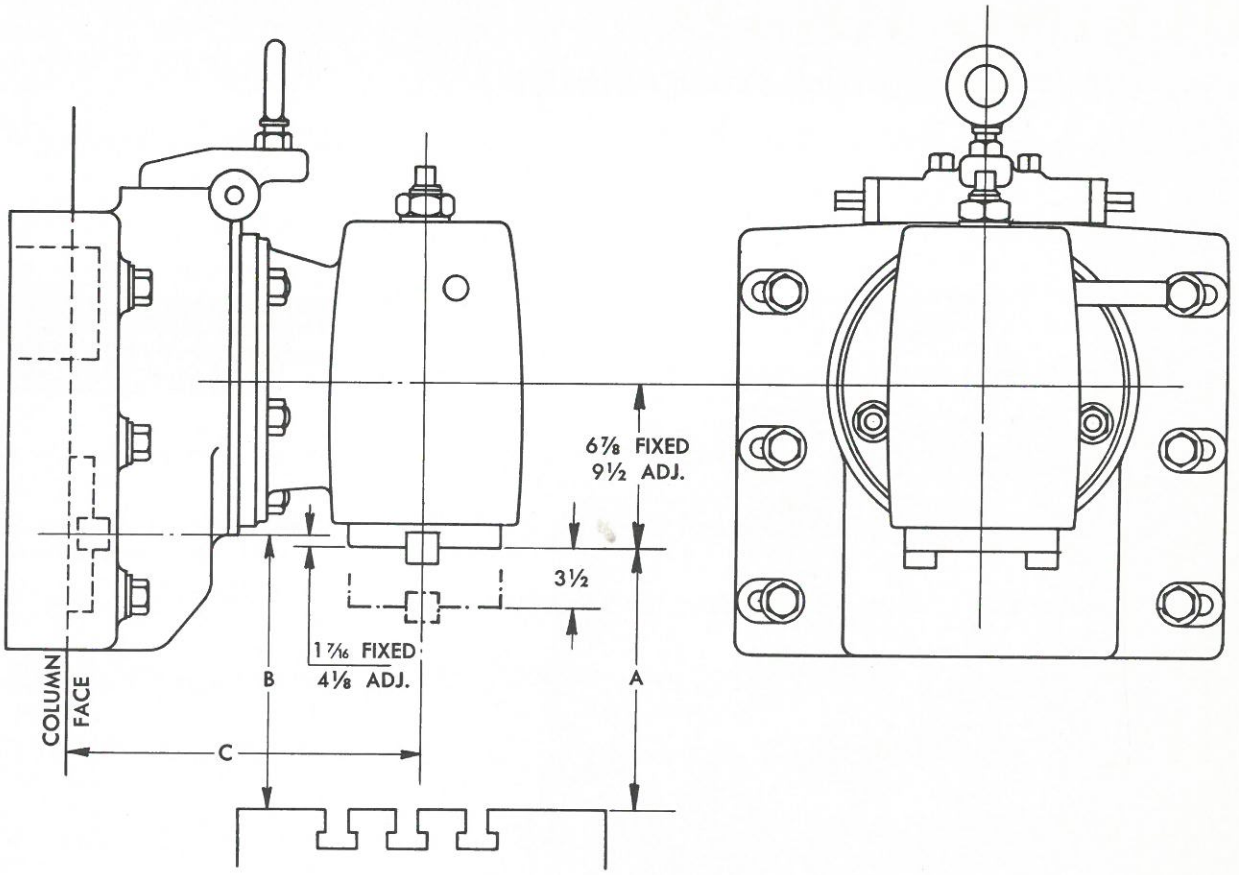
1. Spindle drive keys.
2. Arbor draw-in rod.
3. Interchangeable quill handwheel. ①
4. Dual micrometer dials. ①
5. Keyed drive for machine spindle.
6. Coolant distributor mounting stud.
7. Removable handcrank for head rotation.

① Adjustable spindle model only.

ATTACHMENT SPINDLE SPEEDS
SAME AS MACHINE SPINDLE SPEEDS

CAPACITIES and MOUNTING DIMENSIONS

Series 5812 VERTICAL MILLING HEAD



MACHINE	A FIXED PLAIN	A ADJ. PLAIN	A FIXED AC	A ADJ. AC	A FIXED UNIV.	A ADJ. UNIV.	B PLAIN	B AC	B UNIV.	C
2K, 2KM, 3H	15⅝	12 15/16	—	—	14¼	11 9/16	17 1/16	—	15 11/16	14¾
2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14	15 9/16	12⅞	14 9/16	11⅞	14 3/16	11½	17	16	15⅝	14¾
2CSM(20), 3CSM(20)	15 9/16	12⅞	14 9/16	11⅞	—	—	17	16	—	14¾
210TF, 215TF-16, 220TF, 220TF-16, 310TF, 315TF-16, 320TF, 320TF-16	—	—	15 9/16	12⅞	12 11/16	10	—	17	14⅛	14¾
3CE	16 9/16	13⅞	—	—	15 9/16	12⅞	18	—	17	14¾
310S-15, 315S-15, 410S-15, 415S-15	18 7/16	15¾	18 7/16	15¾	16 1/16	13 7/16	19⅞	19⅞	17⅝	14¾
3K, 3KM, 4H	16 11/16	14	—	—	15 1/16	12⅜	18⅛	—	16½	14¾
3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16	16 9/16	13⅞	15 15/16	13⅛	15 1/16	12⅜	18	17⅜	16½	14¾
3CSM(30), 4CSM(30)	16 9/16	13⅞	15 15/16	13⅛	—	—	18	17⅜	—	14¾
315TF, 320TF-17, 330TF, 330TF-17, 415TF, 420TF-17, 430TF, 430TF-17	—	—	16 9/16	13⅞	13 11/16	11	—	18	15⅛	14¾
4K, 5H, 5HM	18 9/16	15⅞	—	—	16 11/16	14	20	—	18⅛	17¾
430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20	—	—	19 9/16	16⅞	16 11/16	14	—	21	18⅛	17¾

FIXED = FIXED SPINDLE
ADJ. = ADJUSTABLE SPINDLE

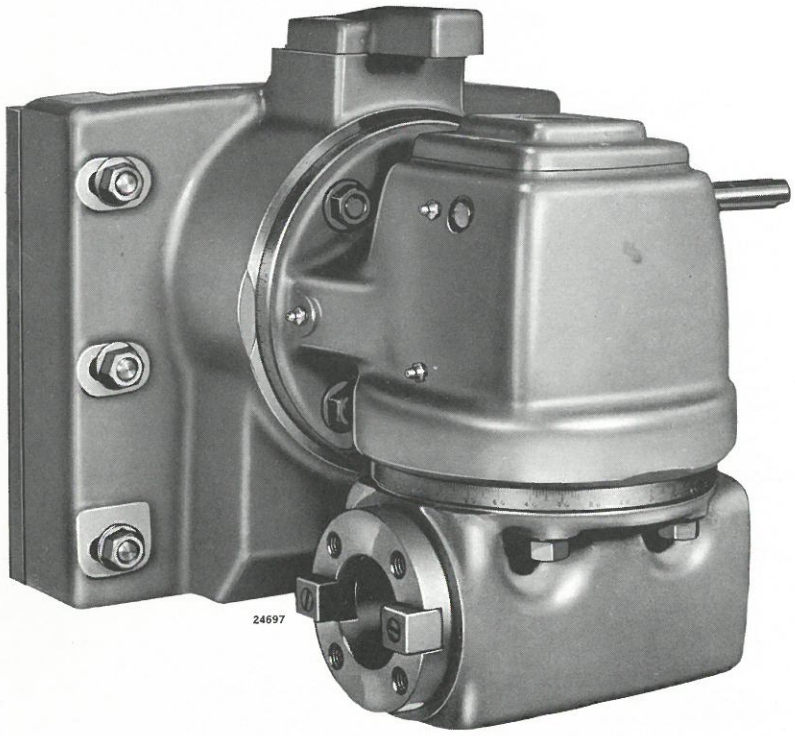
PLAIN = PLAIN STYLE MACHINE
AC = MACHINES EQUIPPED WITH AUTOCYCLE

UNIV. = UNIVERSAL STYLE MACHINE

Series 5782

UNIVERSAL MILLING HEAD

FIXED OR ADJUSTABLE (3″) SPINDLE



Series 5782 Fixed Spindle Universal Milling Head

KEARNEY & TRECKER MILWAUKEE®

Unusual flexibility . . . yet the rigidity of the vertical style machine when the milling head is installed on a horizontal machine. The combination of machine and milling head form an unsurpassed unit for angular and vertical milling operations in all planes. The keyed drive design permits the head to be installed and removed quickly and easily. Other than periodic lubrication, the unit is maintenance free.

ATTACHMENT SPINDLE SPEEDS
SAME AS MACHINE SPINDLE SPEEDS

SPECIFICATIONS:

Fixed or adjustable (3″) spindle.

Head and swivel rotate at right angles to each other, both through 360°. Spindle and cutter can be set at any compound angle in any plane.

No. 50 taper spindle.

Spindle speeds same as machine spindle speed.

Involute spline mounted gears throughout.

100% use of anti-friction bearings on all operating shafts.

Quill handcrank used on either side. Dials are graduated into 50 — .001″ increments. One revolution of handcrank advances spindle .050″.

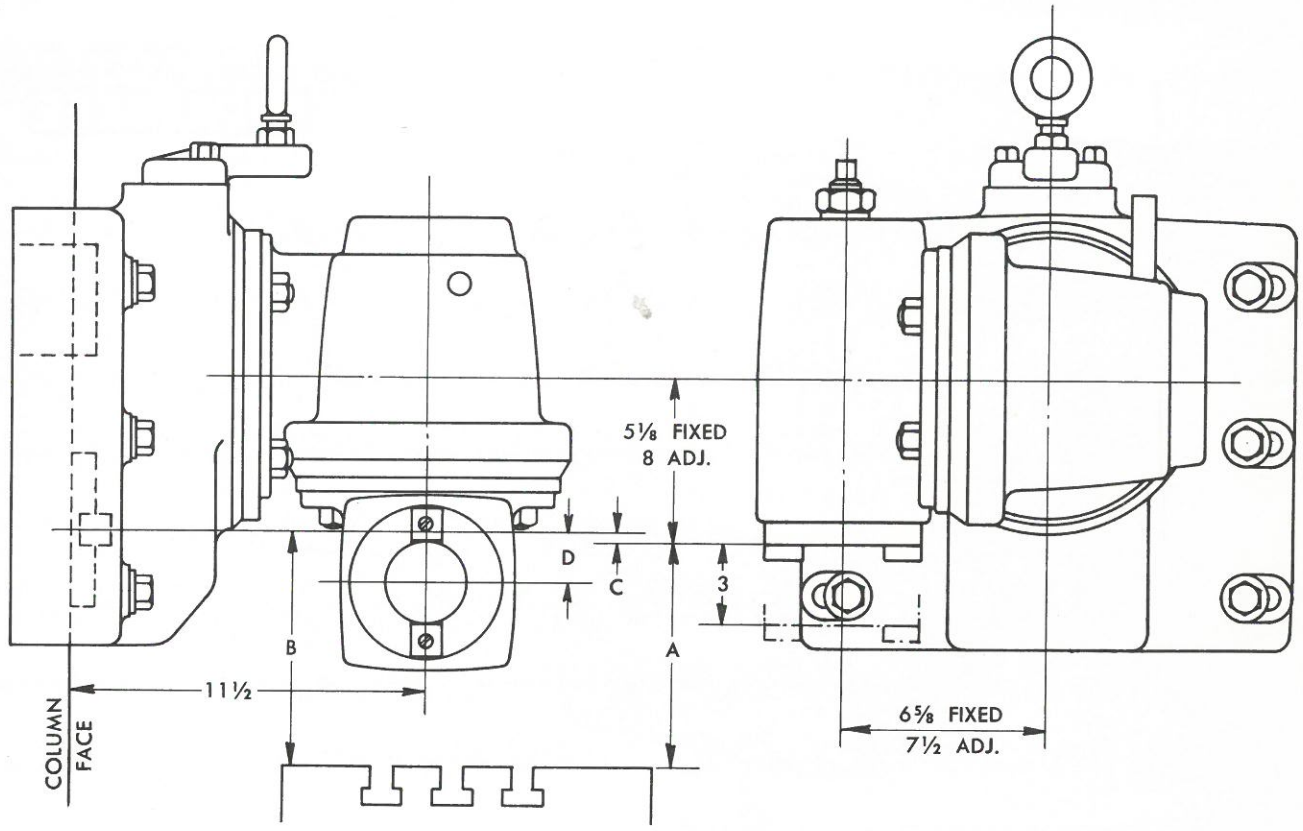
STANDARD EQUIPMENT:

1. Spindle drive keys.
2. Arbor draw-in rod.
3. Interchangeable quill handcrank. ①
4. Dual micrometer dials. ①
5. Keyed drive for machine spindle.
6. Coolant distributor mounting stud.

① Adjustable spindle model only.

CAPACITIES and MOUNTING DIMENSIONS

Series 5782 UNIVERSAL MILLING HEAD



MACHINE	A FIXED PLAIN	A ADJ. PLAIN	A FIXED AC	A ADJ. AC	A FIXED UNIV.	A ADJ. UNIV.	B PLAIN	B AC	B UNIV.	C FIXED	C ADJ.	D FIXED	D ADJ.
1E, 2E	16⅝	13¾	—	—	15⅝	12¾	17⅜	—	16⅜	¾	3⅝	2¼	3⅛
2CE	16¼	13⅜	—	—	15¼	12⅜	17	—	16	¾	3⅝	2¼	3⅛
1H, 2HL	15½	12⅝	—	—	14½	11⅝	16¼	—	15¼	¾	3⅝	2¼	3⅛
1CH, 103CH, 2CHL, 203CH	16½	13⅝	—	—	15½	12⅝	17¼	—	16¼	¾	3⅝	2¼	3⅛
18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP	—	—	14¾	11⅞	—	—	—	15½	—	¾	3⅝	2¼	3⅛
2H	17⅛	14¼	—	—	15⅞	13	17¼	—	16	⅛	3	1⅝	2½
2CH, 205CH, 205SA	18⅛	15¼	17⅜	14½	16¾	13⅞	18¼	17½	16⅞	⅛	3	1⅝	2½
205S-12, 307S-12	18⅛	15¼	18⅛	15¼	16½	13⅞	18¼	18¼	16⅝	⅛	3	1⅝	2½

FIXED = FIXED SPINDLE
ADJ. = ADJUSTABLE SPINDLE
PLAIN = PLAIN STYLE MACHINE
AC = MACHINES EQUIPPED WITH AUTOCYCLE
UNIV. = UNIVERSAL STYLE MACHINE

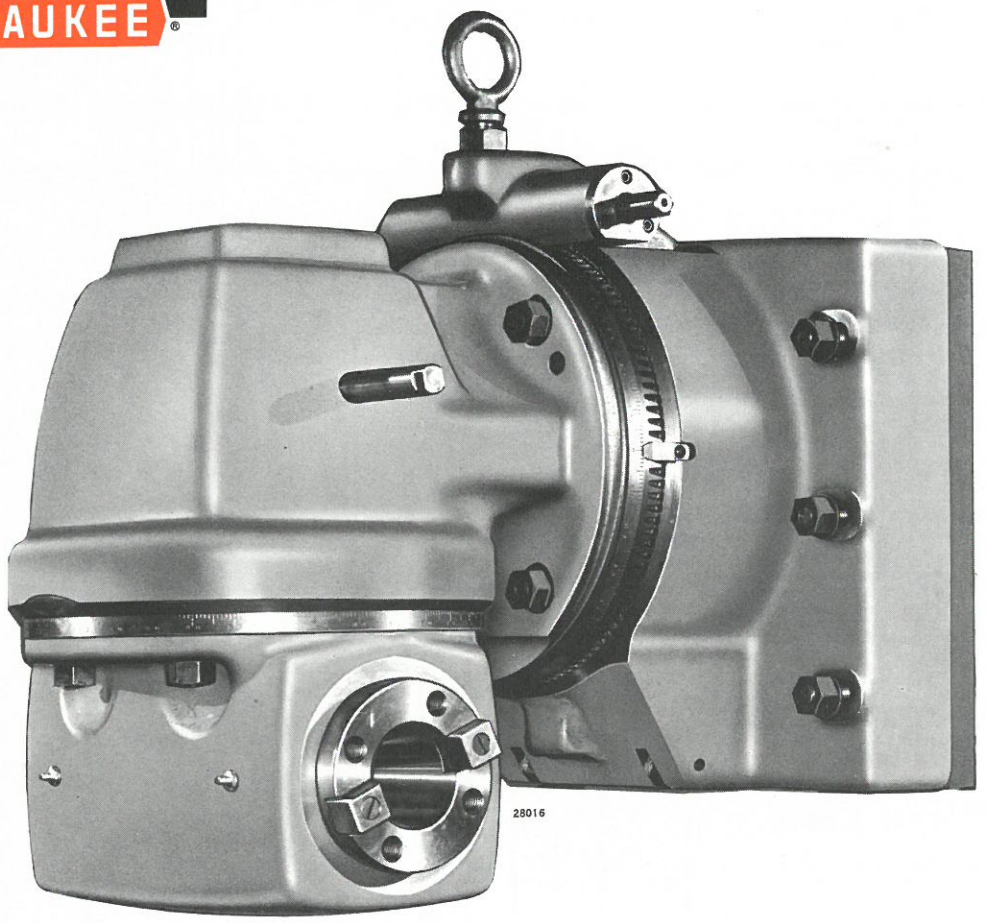
Series 5812

ATTACHMENT SPINDLE SPEEDS SAME AS MACHINE SPINDLE SPEEDS

UNIVERSAL MILLING HEAD

FIXED OR ADJUSTABLE (3-1/2″) SPINDLE

KEARNEY & TRECKER MILWAUKEE®



Series 5812 Fixed Spindle Universal Milling Head

SPECIFICATIONS:

Fixed or adjustable (3½″) spindle.

Handcrank, worm and worm gear arrangement rotates head and swivel through a plane parallel to table travel. Head and swivel rotate at right angles to each other, both through 360°. Spindle and cutter can be set at any compound angle in any plane.

No. 50 taper spindle.

Spindle speeds same as machine spindle speeds.

Involute spline mounted gears throughout.

100% use of anti-friction bearings on all operating shafts.

Quill handcrank used on either side. Dials are graduated into 50 — .001″ increments. One revolution of handcrank advances spindle .050″.

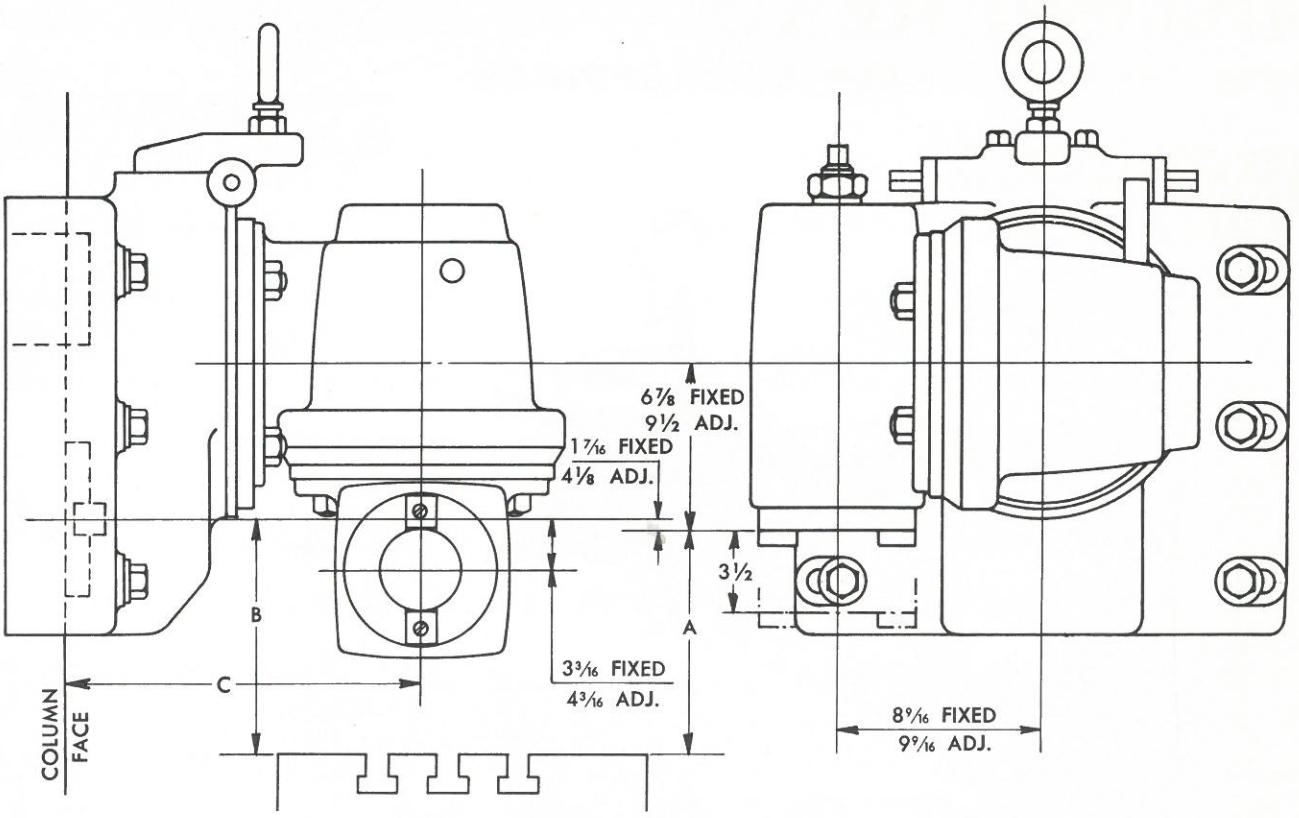
STANDARD EQUIPMENT:

1. Spindle drive keys.
2. Arbor draw-in rod.
3. Interchangeable quill handcrank. ①
4. Dual micrometer dials. ①
5. Keyed drive for machine spindle.
6. Coolant distributor mounting stud.
7. Removable handcrank for head rotation.

① Adjustable spindle model only.

CAPACITIES and MOUNTING DIMENSIONS

Series 5812 UNIVERSAL MILLING HEAD



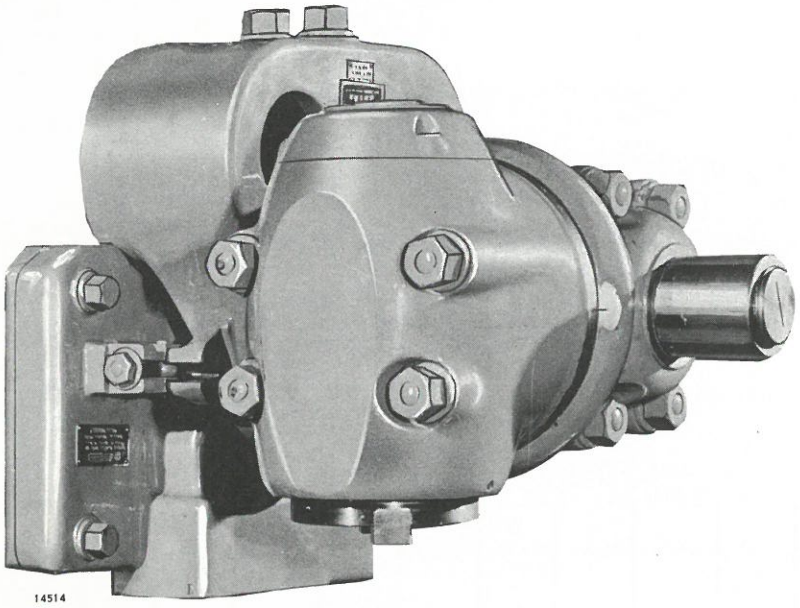
MACHINE	A FIXED PLAIN	A ADJ. PLAIN	A FIXED AC	A ADJ. AC	A FIXED UNIV.	A ADJ. UNIV.	B PLAIN	B AC	B UNIV.	C
2K, 2KM, 3H	15⅞	12 15⁄16	—	—	14¼	11⁹⁄₁₆	17 1⁄16	—	15 11⁄16	14¾
2CK, 21OCH, 21OCH-14, 3CH, 31OCH, 31OCH-14	15⁹⁄₁₆	12⅞	14⁹⁄₁₆	11⅞	14³⁄₁₆	11½	17	16	15⅝	14¾
2CSM(2O), 3CSM(2O)	15⁹⁄₁₆	12⅞	14⁹⁄₁₆	11⅞	—	—	17	16	—	14¾
21OTF, 215TF-16, 22OTF, 22OTF-16, 31OTF, 315TF-16, 32OTF, 32OTF-16	—	—	15⁹⁄₁₆	12⅞	12 11⁄16	10	—	18	14⅛	14¾
3CE	16⁹⁄₁₆	13⅞	—	—	15⁹⁄₁₆	12⅞	18	—	17	14¾
31OS-15, 315S-15, 41OS-15, 415S-15	18⅞	15¾	18⅞	15¾	16⅛	13⅞	19⅞	19⅞	17⅝	14¾
3K, 3KM, 4H	16 11⁄16	14	—	—	15⅛	12⅜	18⅛	—	16½	14¾
3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16	16⁹⁄₁₆	13⅞	15 15⁄16	13⅛	15⅛	12⅜	18	17⅜	16½	14¾
3CSM(3O), 4CSM(3O)	16⁹⁄₁₆	13⅞	15 15⁄16	13⅛	—	—	18	17⅜	—	14¾
315TF, 32OTF-17, 33OTF, 33OTF-17, 415TF, 42OTF-17, 43OTF, 43OTF-17	—	—	16⁹⁄₁₆	13⅞	13 11⁄16	11	—	18	15⅛	14¾
4K, 5H, 5HM	18⁹⁄₁₆	15⅞	—	—	16 11⁄16	14	20	—	18⅛	17¾
4CSM(5O), 5CSM(5O), 6CSM(5O), 4CK, 5CK, 6CK	19⁹⁄₁₆	16⅞	19 5⁄16	16	17 11⁄16	15	21	20¾	19⅛	17¾
425TF, 43OTF-20, 45OTF, 45OTF-20, 525TF, 53OTF-20, 55OTF, 55OTF-20, 625TF, 63OTF-20, 65OTF, 65OTF-20	—	—	19⁹⁄₁₆	16⅞	16 11⁄16	14	—	21	18⅛	17¾

FIXED = FIXED SPINDLE
ADJ. = ADJUSTABLE SPINDLE
PLAIN = PLAIN STYLE MACHINE
AC = MACHINES EQUIPPED WITH AUTOCYCLE
UNIV. = UNIVERSAL STYLE MACHINE

Series 5111
HIGH SPEED
UNIVERSAL MILLING HEAD
FIXED SPINDLE

HEAVY DUTY SERIES
WITH CROSS ADJUSTMENT

KEARNEY & TRECKER MILWAUKEE®



Series 5111 High Speed Universal Milling Head

SPECIFICATIONS:

Fixed spindle only.

Head and swivel rotate at right angles to each other, both through 360°. Spindle and cutter can be set at any compound angle in any plane.

Head has cross movement of 11".

No. 50 taper spindle.

Spindle speeds — see accompanying spindle speed chart.

100% use of anti-friction bearings throughout.

STANDARD EQUIPMENT:

1. Spindle drive keys.
2. Arobr draw-in rod.
3. Drive gear for machine spindle.
4. Coolant distributor mounting stud.

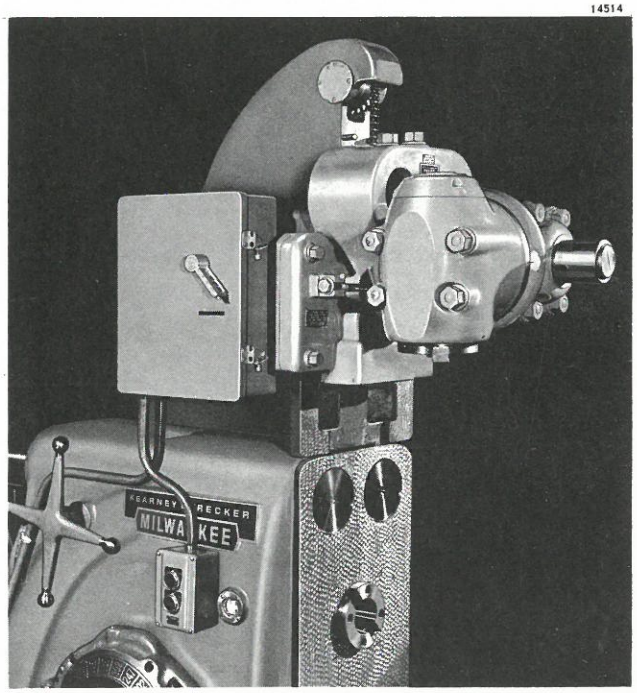
Series 5282
POWER PARKING UNIT

(FACTORY INSTALLED ON TF MACHINES ONLY)

STANDARD EQUIPMENT:

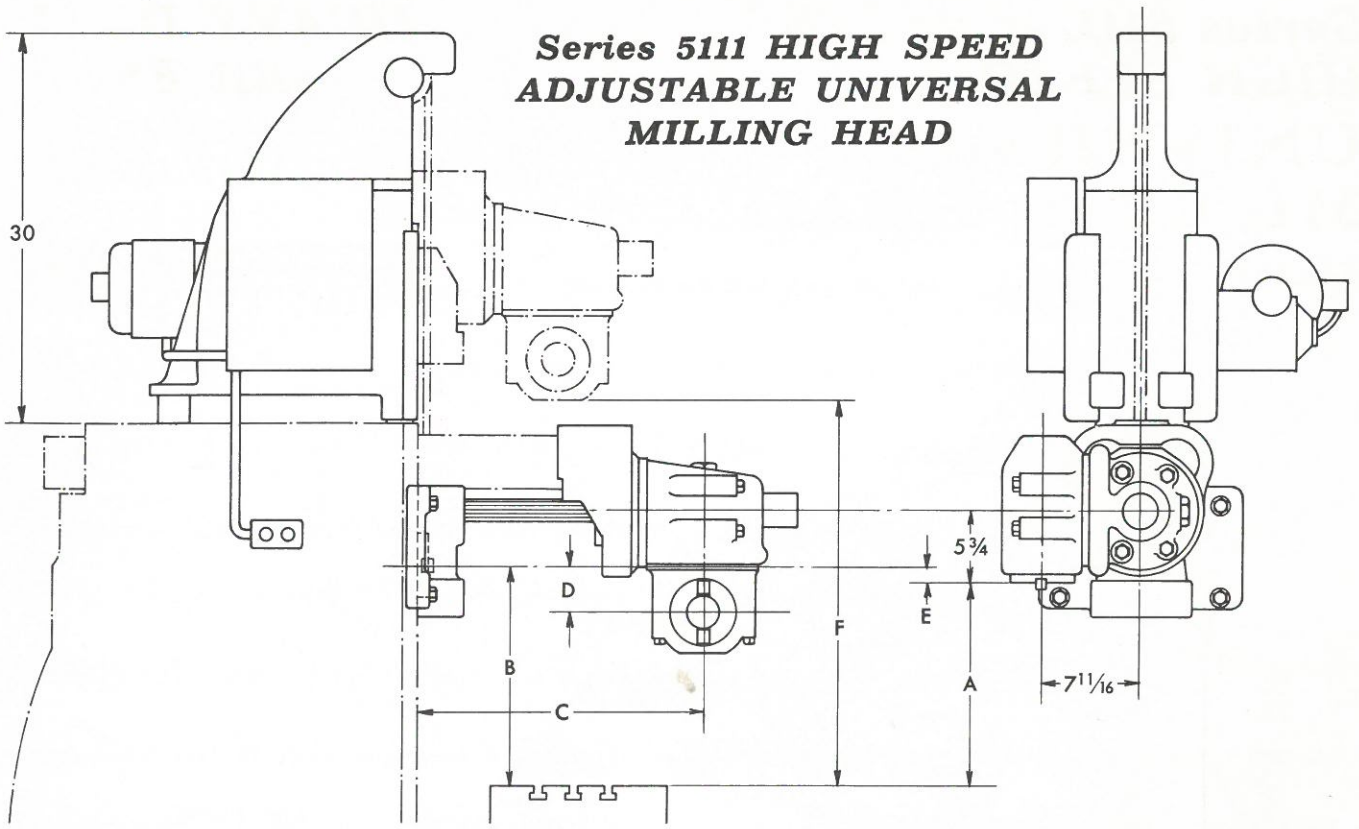
¼hp motor.
Pin and roller elevating chain.
Upper and lower positive limit stops.
Removable ways.

Press the switch . . . in a matter of seconds the milling head lowers into position on the column face, ready for hook-up and operation. Conversely, after detachment, pressing the switch causes the milling head to move up, into the park position, ready for quick-action, future use.



Series 5282 Power Parking Unit with Series 5111 High Speed Universal Milling Head.

CAPACITIES and MOUNTING DIMENSIONS



MACHINE	A PLAIN	A AC	A UNIV.	B PLAIN	B AC	B UNIV.	C MIN.	C MAX.	D	E	F MAX.
2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14	15⁹⁄₁₆	14⁹⁄₁₆	14³⁄₁₆	17	16	15⅝	11⅝	22⅝	3⅜	1⁷⁄₁₆	—
210TF, 215TF-16, 220TF, 220TF-16, 310TF, 315TF-16, 320TF, 320TF-16	—	15⁹⁄₁₆	12¹¹⁄₁₆	—	17	14⅛	11⅝	22⅝	3⅜	1⁷⁄₁₆	29
3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16	16¹⁵⁄₁₆	16⁵⁄₁₆	15⁷⁄₁₆	18	17⅜	16½	11³²⁄₃₂	22³²⁄₃₂	3	1¹⁄₁₆	—
315TF, 320TF-17, 330TF, 330TF-17, 415TF, 420TF-17, 430TF, 430TF-17	—	16¹⁵⁄₁₆	14¹⁄₁₆	—	18	15⅛	11³²⁄₃₂	22³²⁄₃₂	3	1¹⁄₁₆	33¹¹⁄₁₆
4CK, 5CK, 6CK	20⁵⁄₁₆	20¹⁄₁₆	18⁷⁄₁₆	21	20¾	19⅛	11⅝	22⅝	2⅝	¹¹⁄₁₆	—
425TF, 430TF-20, 450TF, 450TF-20, 525TF, 530TF-20, 550TF, 550TF-20, 625TF, 650TF-20, 650TF, 650TF-20	—	20⁵⁄₁₆	17⁷⁄₁₆	—	21	18⅛	11⅝	22⅝	2⅝	¹¹⁄₁₆	38¼

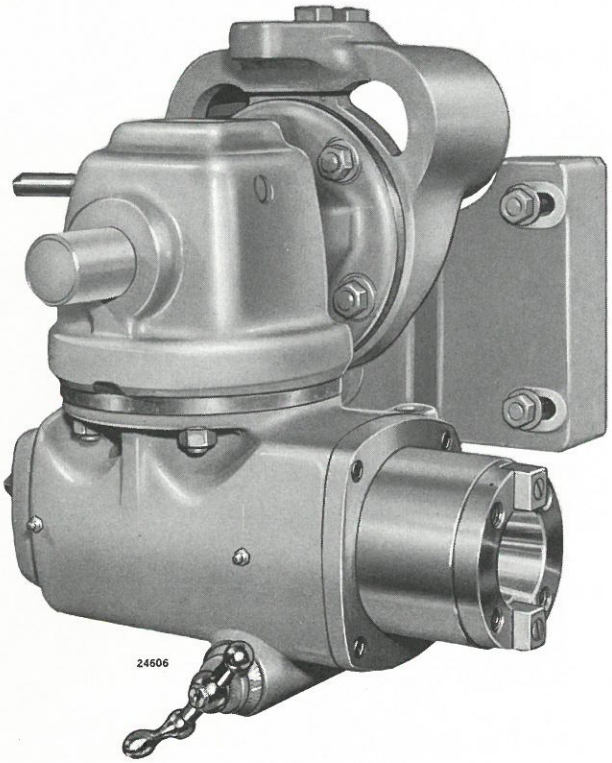
SPINDLE SPEEDS

MACHINE	MACHINE SPINDLE SPEED (RPM)	HEAD SPINDLE SPEED (RPM)
2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14, 3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 210TF, 310TF, 315TF, 415TF, 215TF-16, 220TF-16, 315TF-16, 320TF-16, 320TF-17, 330TF-17, 420TF-17, 430TF-17	15-1500	20-2000
220TF, 320TF	50-1250	67-1675
330TF, 430TF	50-1250	67-1680
4CK, 5CK, 6CK, 425TF, 525TF, 625TF	13-1300	20-2000
450TF, 550TF, 650TF	50-1250	77-1920
430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20	15-1500	23-2300

Series 5796 HIGH SPEED UNIVERSAL MILLING HEAD

WITH CROSS ADJUSTMENT

FIXED OR ADJUSTABLE (3″) SPINDLE



Series 5796 Adjustable Spindle High Speed Universal Milling Head

SPECIFICATIONS:

Fixed or adjustable (3″) spindle.

Head and swivel rotate at right angles to each other, both through 360°. Spindle and cutter can be set at any compound angle in any plane.

Head has cross movement of 10″.

No. 50 taper spindle.

Spindle speeds — see accompanying spindle speed chart.

Involute spline mounted gears throughout.

100% use of anti-friction bearings on all operating shafts.

Quill handcrank used on either side. Dials are graduated into 50 — .001″ increments. One revolution of handcrank advances spindle .050″.

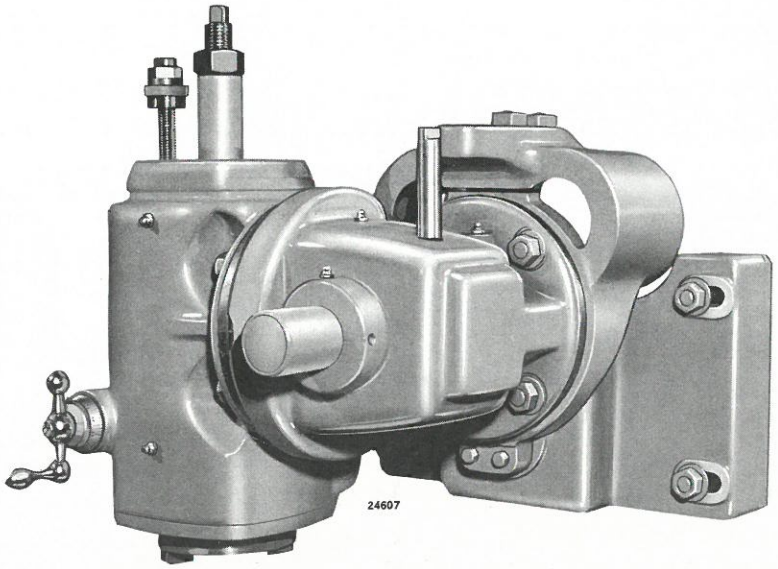
STANDARD EQUIPMENT:

1. Spindle drive keys.
2. Arbor draw-in rod.
3. Interchangeable quill handcrank. ①
4. Dual micrometer dials. ①
5. Keyed drive for machine spindle.
6. Coolant distributor mounting stud.

① Adjustable spindle model only.

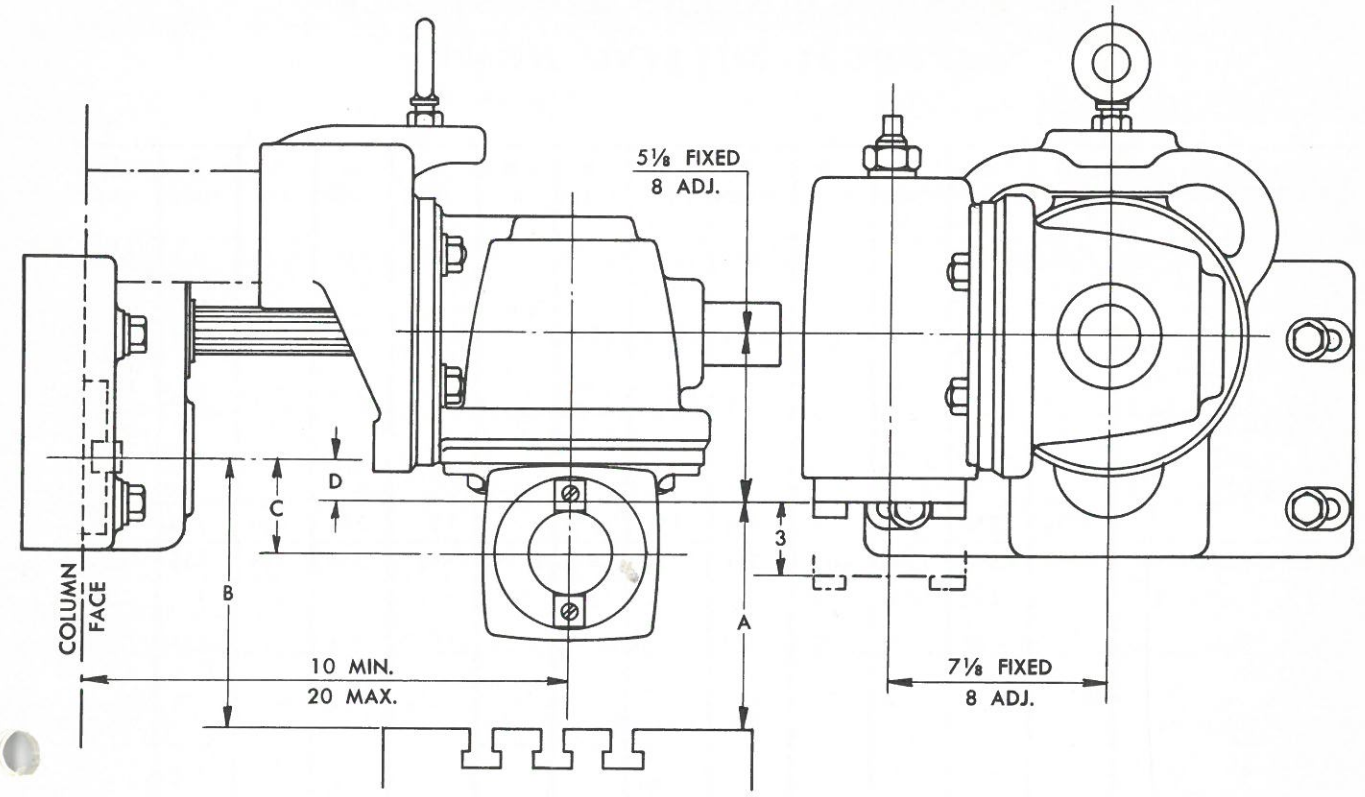
The Series 5796 head is universally used on all of the Kearney & Trecker machines shown on the opposite page together with respective head spindle speed ranges. The addition of this head transforms a horizontal machine into a versatile, high performance vertical model.

KEARNEY & TRECKER MILWAUKEE®



Series 5796 Adjustable Spindle High Speed Universal Milling Head

CAPACITIES and MOUNTING DIMENSIONS



SPINDLE SPEEDS

MACHINE	MACHINE SPINDLE SPEED (RPM)	HEAD SPINDLE SPEED (RPM)
1E, 2E	24-600	29-725
2CE	25-1300	30-1571
1H, 2HL, 12″1H, 18″1H, 12″2H, 18″2H, 2H	35-1400	58-2313
1CH, 103CH, 2CHL, 203CH, 18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP	25-1500	29-1758
2CH, 205CH, 205SA	25-1500	41-2478
S-12, S-15	25-2000	31-2480
2K, 2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14, 3K, 3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 210TF, 310TF, 315TF, 415TF, 215TF-16, 220TF-16, 315TF-16, 320TF-16, 320TF-17, 330TF-17, 420TF-17, 430TF-17, 430TF-20, 530TF-20, 630TF-20, 450TF-20, 550TF-20, 650TF-20	15-1500	25-2455
2KM, 3KM	15-750	25-1227
3H, 4H	20-1000	33-1636
2CSM, 220TF, 3CSM(20), 320TF, 3CSM(30), 330TF, 4CSM(30), 430TF	50-1250	83-2083
]CE	25-1300	41-2127
4K, 5H	13-1300	21-2127
5HM	12½-500	20-818

Series 5796 HIGH SPEED ADJUSTABLE UNIVERSAL MILLING HEAD

MACHINE	A FIXED PLAIN	A ADJ. PLAIN	A FIXED AC	A ADJ. AC	A FIXED UNIV.	A ADJ. UNIV.	B PLAIN	B AC	B UNIV.	C FIXED	C ADJ.	D FIXED	D ADJ.
1E, 2E	15 3/16	12 5/16	—	—	14 3/16	11 5/16	17 3/8	—	16 3/8	4 3/16	5 1/16	2 3/16	5 1/16
2CE	14 13/16	11 15/16	—	—	13 13/16	10 15/16	17	—	16	4 3/16	5 1/16	2 3/16	5 1/16
1H, 2HL	14 1/16	11 3/16	—	—	13 1/16	10 3/16	16 1/4	—	15 1/4	4 3/16	5 1/16	2 3/16	5 1/16
1CH, 103CH, 2CHL, 203CH	15 1/16	12 3/16	—	—	14 1/16	11 3/16	17 1/4	—	16 1/4	4 3/16	5 1/16	2 3/16	5 1/16
18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP	—	—	13 5/16	10 7/16	—	—	—	15 1/2	—	4 3/16	5 1/16	2 3/16	5 1/16
2H	15 5/8	12 3/4	—	—	14 3/8	11 1/2	17 1/4	—	16	3 5/8	4 1/2	1 5/8	4 1/2
2CH, 205CH, 205SA	16 5/8	13 3/4	15 7/8	13	15 1/4	11 3/8	18 1/4	17 1/2	16 7/8	3 5/8	4 1/2	1 5/8	4 1/2
205S-12, 307S-12	17 1/4	14 3/8	17 1/4	14 3/8	15 5/8	12 3/4	18 1/4	18 1/4	16 5/8	3	4	1	3 7/8
2K, 2KM, 3H	15 15/16	13 1/16	—	—	14 9/16	11 11/16	17 1/16	—	15 11/16	3 1/8	4	1 1/8	4
2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14	15 7/8	13	14 7/8	12	14 1/2	11 5/8	17	16	15 5/8	3 1/8	4	1 1/8	4
2CSM(20), 3CSM(20)	15 7/8	13	14 7/8	12	—	—	17	16	—	3 1/8	4	1 1/8	4
210TF, 215TF-16, 220TF, 220TF-16, 310TF, 315TF-16, 320TF, 320TF-16	—	—	15 7/8	13	13	10 1/8	—	18	14 1/8	3 1/8	4	1 1/8	4
3CE	16 7/8	14	—	—	16 7/8	13	18	—	17	3 1/8	4	1 1/8	4
310S-15, 315S-15, 410S-15, 415S-15	18 7/8	16	18 7/8	16	16 5/8	—	19 7/8	19 7/8	17 5/8	3	3 7/8	1	3 7/8
3K, 3KM, 4H	17	14 1/8	—	—	17	12 1/2	18 1/8	—	16 1/2	3 1/8	4	1 1/8	4
3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16	16 7/8	14	16 1/4	12 1/2	15 3/8	—	18	17 3/8	16 1/2	3 1/8	4	1 1/8	4
3CSM(3C), 4CSM(30)	16 7/8	14	16 1/4	12 1/2	—	—	18	17 3/8	—	3 1/8	4	1 1/8	4
315TF, 320TF-17, 330TF, 330TF-17, 415TF, 420TF-17, 430TF, 430TF-17	—	—	16 7/8	14	14	11 1/8	—	18	15 1/8	3 1/8	4	1 1/8	4
4K, 5H, 5HM	18 7/8	16	—	—	17	14 1/8	20	—	18 1/8	3 1/8	4	1 1/8	4
430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20	—	—	19 7/8	17	17	14 1/8	—	21	18 1/8	3 1/8	4	1 1/8	4

FIXED = FIXED SPINDLE

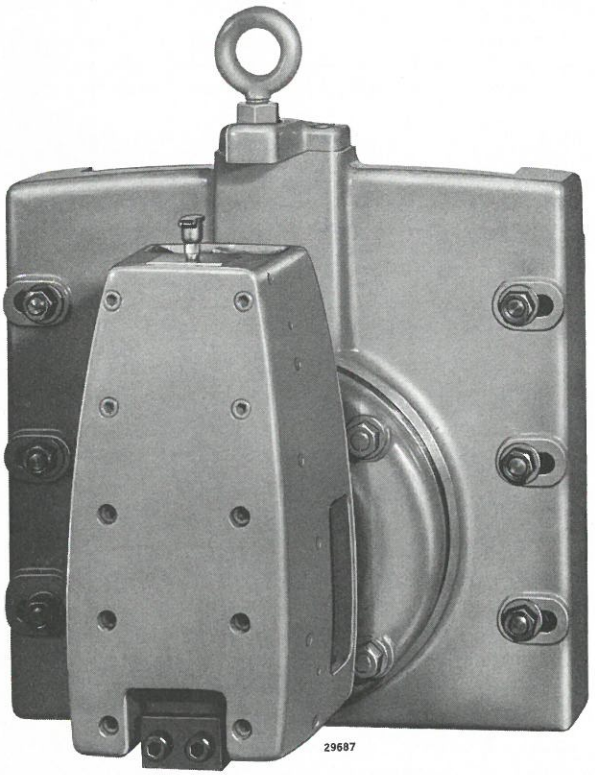
ADJ. = ADJUSTABLE SPINDLE

PLAIN = PLAIN STYLE MACHINE

AC = MACHINES EQUIPPED WITH AUTOCYCLE

UNIV. = UNIVERSAL STYLE MACHINE

Series 5770
SLOTTING HEAD



Series 5770 Slotting Head

KEARNEY & TRECKER
MILWAUKEE®

SPECIFICATIONS:

Infinitely adjustable stroke from 0 to 4".

Strokes per minute — same as revolutions per minute of machine spindle.

Head swivels through 360° in a vertical plane parallel to table travel.

STANDARD EQUIPMENT:

1. Keyed drive for machine spindle.
2. Hardened steel V-jaws and backing plate.

1 TO 1 SPINDLE RATIO

Series 4033 and 4034
SLOTTING HEAD

SPECIFICATIONS:

Infinitely adjustable stroke within its range.

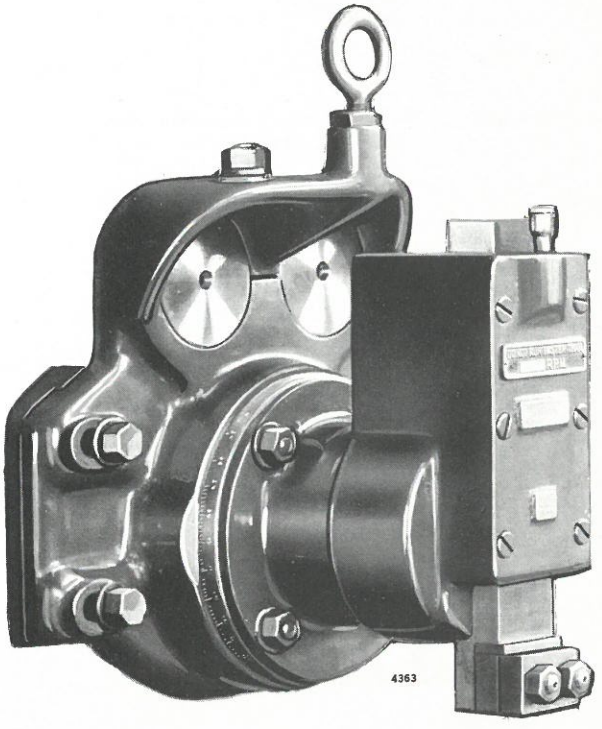
Length of stroke — 0 to 2½" or 0 to 4" depending on machine model. See accompanying dimensional chart.

Strokes per minute — same as revolutions per minute of machine spindle.

Head swivels through 360° in a vertical plane parallel to table travel.

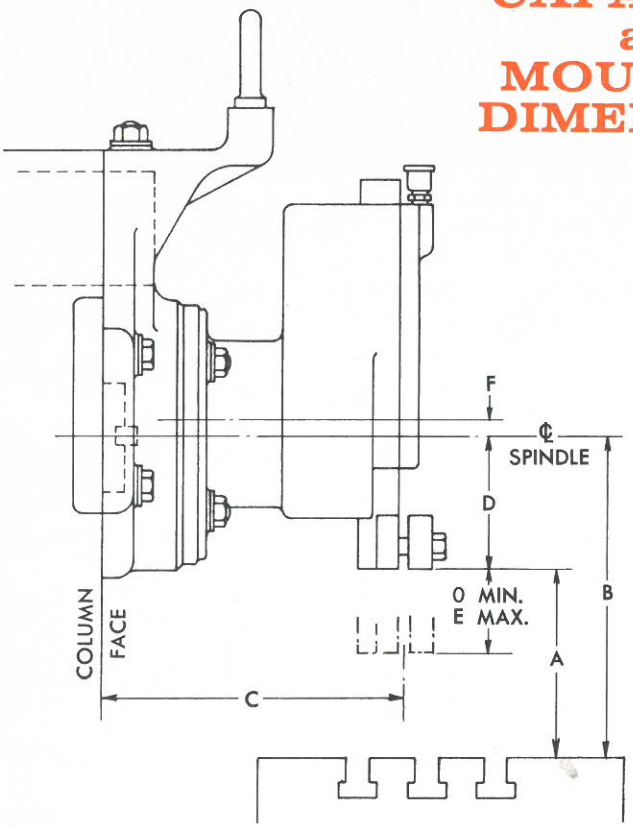
STANDARD EQUIPMENT:

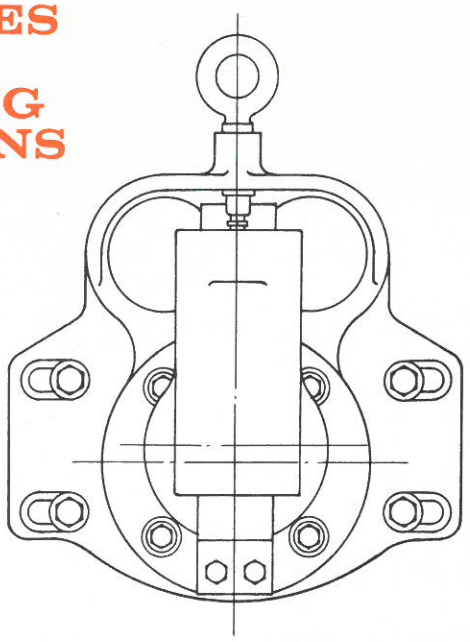
1. Keyed drive for machine spindle.
2. Hardened steel V-jaws and backing plate.



Series 4034 Slotting Head

CAPACITIES and MOUNTING DIMENSIONS



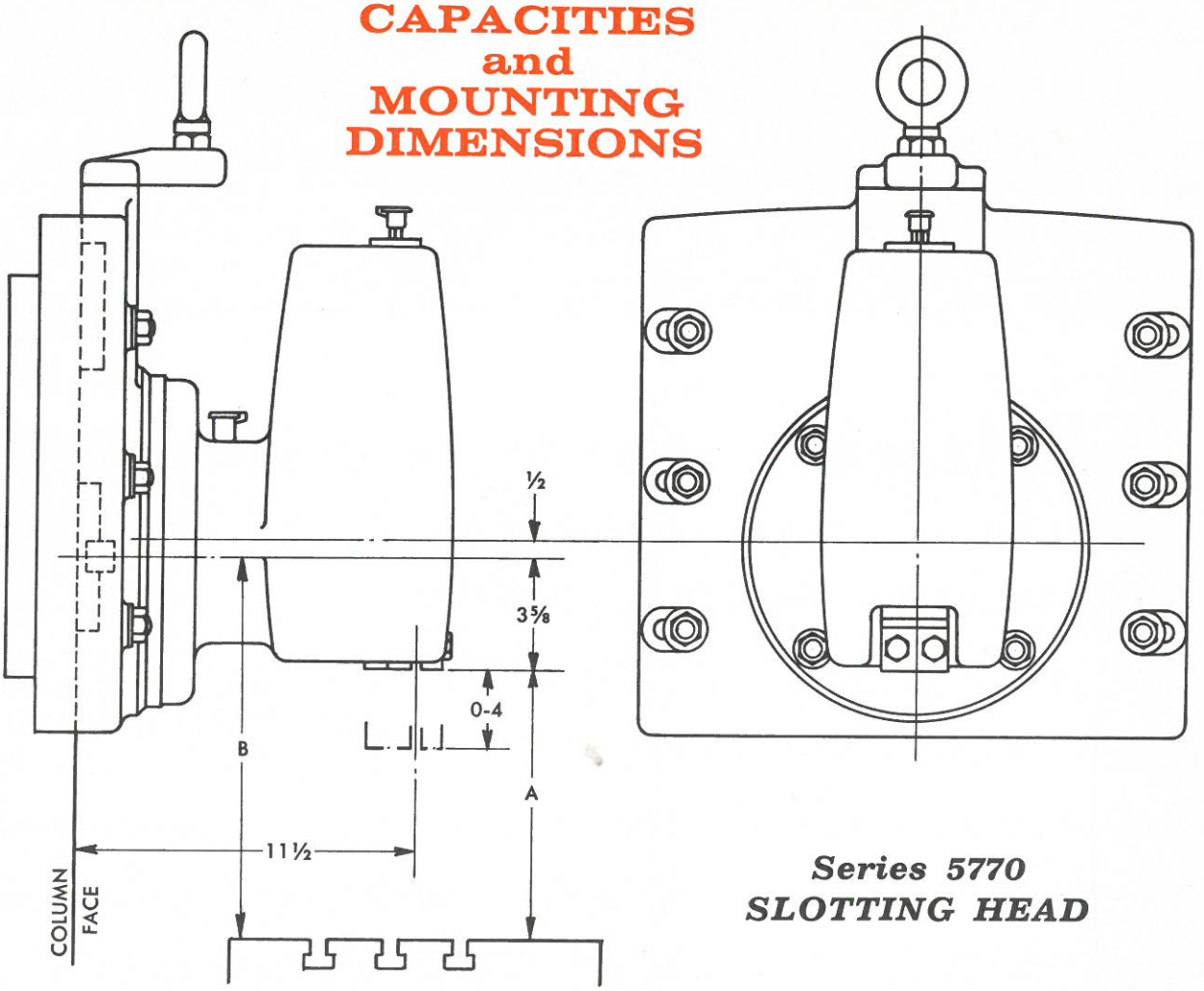


Series 4033 and 4034
SLOTTING HEADS

MACHINE	A MAX. PLAIN	A MAX. AC	A MAX. UNIV.	B PLAIN	B AC	B UNIV.	C	D MIN.	D MAX.	E MAX. STROKE	F
1E, 2E	14 1/4	—	13 1/4	17 3/8	—	16 3/8	9 7/8	3 1/8	5 5/8	2 1/2	0
2CE	13 7/8	—	12 7/8	17	—	16	9 7/8	3 1/8	5 5/8	2 1/2	0
1H, 2HL	13 1/8	—	12 1/8	16 1/4	—	15 1/4	9 7/8	3 1/8	5 5/8	2 1/2	0
1CH, 103CH, 2CHL, 203CH	14 1/8	—	13 1/8	17 1/4	—	16 1/4	9 7/8	3 1/8	5 5/8	2 1/2	0
12″IH, 18″IH	—	11 7/8	—	—	15	—	9 7/8	3 1/8	5 5/8	2 1/2	0
18AC, 18CH, 103CHP 24AC, 24CH, 203CHP	—	12 3/8	—	—	15 1/2	—	9 7/8	3 1/8	5 5/8	2 1/2	0
18″2H, 24″2H	—	13 5/8	—	—	17	—	9 7/8	3 1/8	5 5/8	2 1/2	0
2H	14 1/8	—	12 7/8	17 1/4	—	16	9 7/8	3 1/8	5 5/8	2 1/2	0
2CH, 205CH	15 1/8	14 3/8	13 3/4	18 1/4	17 1/2	16 7/8	9 7/8	3 1/8	5 5/8	2 1/2	0
2K, 2KM, 3H	13 11/16	—	12 5/16	17 1/16	—	15 11/16	10 5/8	3 3/8	7 3/8	4	1/2
2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14	13 5/8	12 5/8	12 1/4	17	16	15 5/8	10 5/8	3 3/8	7 3/8	4	1/2
2CSM(20), 3CSM(20)	13 5/8	12 5/8	—	17	16	—	10 5/8	3 3/8	7 3/8	4	1/2
210TF, 215TF-16, 220TF, 220TF-16, 310TF, 315TF-16, 320TF, 320TF-16	—	13 5/8	10 3/4	—	17	14 1/8	10 5/8	3 3/8	7 3/8	4	1/2
3CE	14 5/8	—	13 5/8	18	—	17	10 5/8	3 3/8	7 3/8	4	1/2
3K, 3KM, 4H	14 3/4	—	13 1/8	18 1/8	—	16 1/2	12 1/8	3 3/8	7 3/8	4	1/2
3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16	14 5/8	14	13 1/8	18	17 3/8	16 1/2	12 1/8	3 3/8	7 3/8	4	1/2
3CSM(30), 4CSM(30)	14 5/8	14	—	18	17 3/8	—	12 1/8	3 3/8	7 3/8	4	1/2
315TF, 320TF-17, 330TF, 330TF-17, 415TF, 420TF-17, 430TF, 430TF-17	—	14 5/8	11 3/4	—	18	15 1/8	12 1/8	3 3/8	7 3/8	4	1/2
4K, 5H, 5HM	16 5/8	—	14 3/4	20	—	18 1/8	16 5/8	3 3/8	7 3/8	4	1/2
4CSM(50), 5CSM(50), 6CSM(50), 4CK, 5CK, 6CK	17 5/8	17 3/8	15 3/4	21	20 3/4	19 1/8	16 5/8	3 3/8	7 3/8	4	1/2
425TF, 430TF-20, 450TF, 450TF-20, 525TF, 530TF-20, 550TF, 550TF-20, 625TF, 650TF-20, 650TF, 650TF-20	—	17 5/8	14 3/4	—	21	18 1/8	16 5/8	3 3/8	7 3/8	4	1/2

PLAIN = PLAIN STYLE MACHINE UNIV. = UNIVERSAL STYLE MACHINE AC = MACHINES EQUIPPED WITH AUTOCYCLE

CAPACITIES and MOUNTING DIMENSIONS



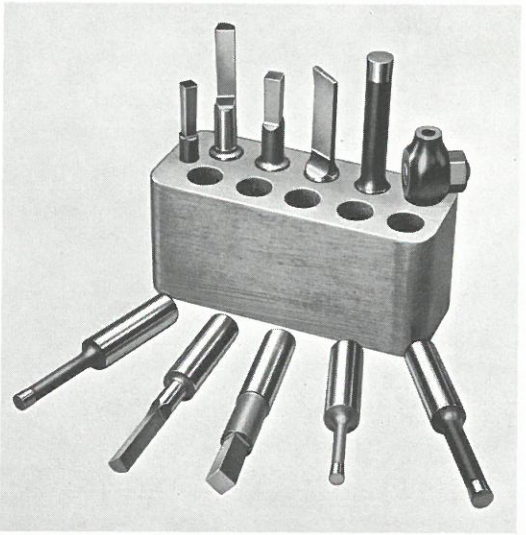
Series 5770
SLOTTING HEAD

MACHINE	A PLAIN	A UNIVERSAL	B PLAIN	B UNIVERSAL
SA	14⅝	13¼	18¼	16⅞
S-12	14⅝	13	18¼	16⅝
S-15	16¼	14	19⅞	17⅝

SLOTTING TOOLS
FOR UNITS 4033, 4034, 5770

One set with ½″ shanks for Series 4034 and 5770 and another set with ⅝″ shanks for Series 4033. Each set includes 2 angle tools, 4 round tools, 3 square tools, parting tool and collet, and wood packing block.

KEARNEY & TRECKER MILWAUKEE®



16972

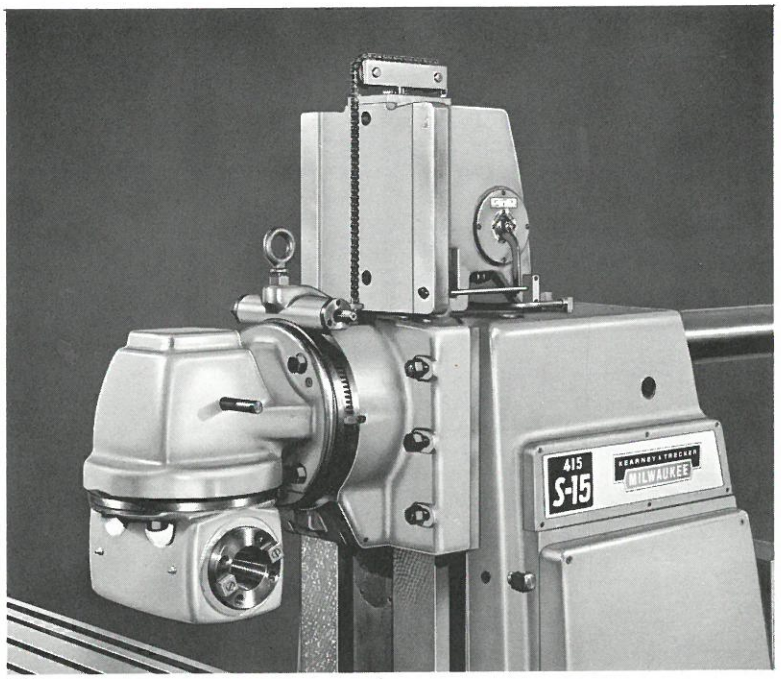
Series 7055
VERTICAL and UNIVERSAL MILLING HEAD
POWER PARKING UNIT

KEARNEY & TRECKER
MILWAUKEE®

The Series 7055 power parking unit is used in combination with Series 5812 vertical and universal milling heads on S-15 machines. Heads are moved to and from the operating area quickly and with no effort with this hydraulically operated unit.

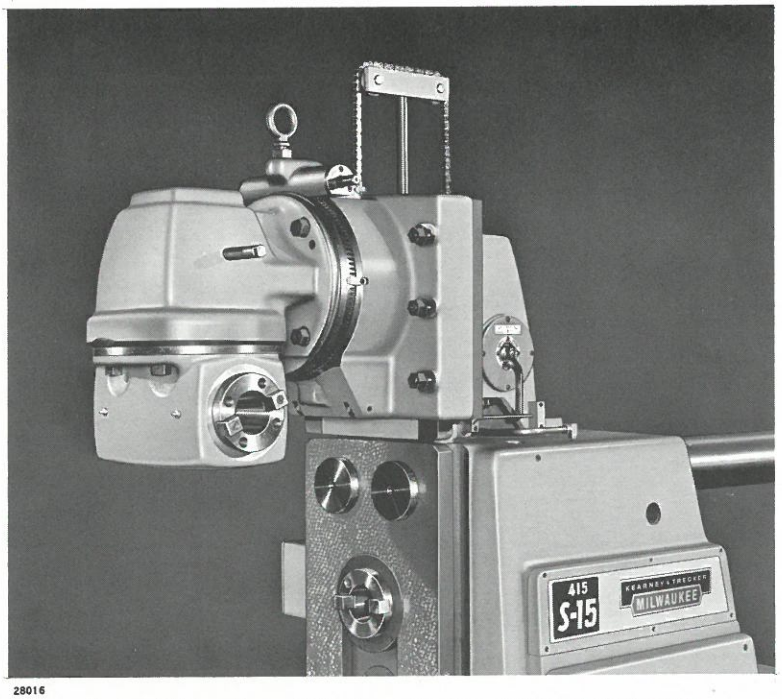
It is controlled by a mono-lever valve and is inexpensive relative to the elimination of the time normally consumed in moving and storing milling heads away from the machine.

S-15 MACHINES ONLY



28019

Series 5812 Universal Milling Head on S-15 Machine



28016

Series 5812 on Series 7055 Power Parking Unit on S-15 Machine

With the head fully lowered in the operating position, the drive gears are engaged and the mounting base is supported on the extended overarms. A chip guard on the bottom of the base prevents entry of chips into the drive gear compartment.

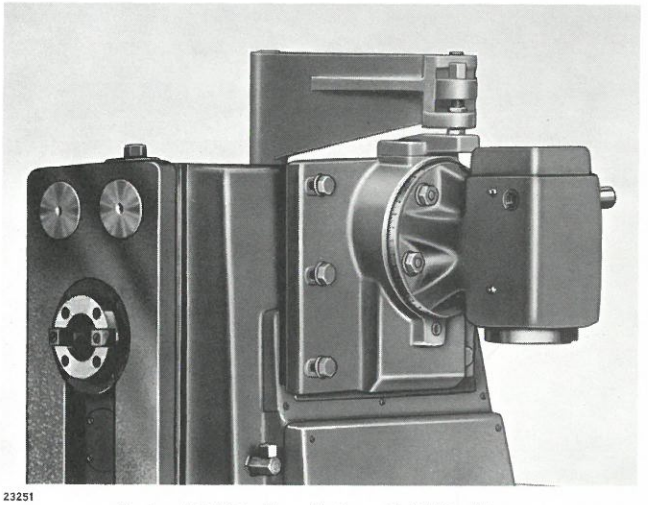
When not in use the milling head is parked on extended ways above the machine spindle, out of the horizontal milling area. The machine overarms are then free for use with the arbor supports. Inadvertent downward travel of the head is prevented by a safety latch.

MILLING HEAD
PARKING UNITS
MANUAL TYPE

KEARNEY & TRECKER MILWAUKEE®

Milling head parking cranes and parking brackets provide near-by parking of the milling head for instant availability when it is needed. Time normally lost due to removal and storage of milling heads away from the machine is eliminated. The head is removed from its operating position and readily parked on the right side of the column. with very little time and effort. The units are efficient and sturdily constructed, yet are inexpensive.

MACHINE	PARKING UNIT SERIES
1E, 2E, 2CE	4560
1H, 2HL	4040
2H	4003
1CH, 103CH, 2CHL, 203CH, 18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP	5008
2CH, 205CH	5009
205 SA, S-12, S-15	5749
2K, 2KM, 3H, 2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14, 2CSM(20), 3CSM(20), 210TF, 220TF, 310TF, 320TF, 215TF-16, 220TF-16, 315TF-16, 320TF-16	4004
3CE	4710
3K, 3KM, 4H, 3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 3CSM(30), 4CSM(30), 315TF, 330TF, 415TF, 430TF, 320TF-17, 330TF-17, 420TF-17, 430TF-17	4005
4K, 5H, 5HM	4111
4CSM(50), 5CSM(50), 6CSM(50), 4CK, 5CK, 6CK, 425TF, 450TF, 525TF, 550TF, 625TF, 650TF, 430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20	5074



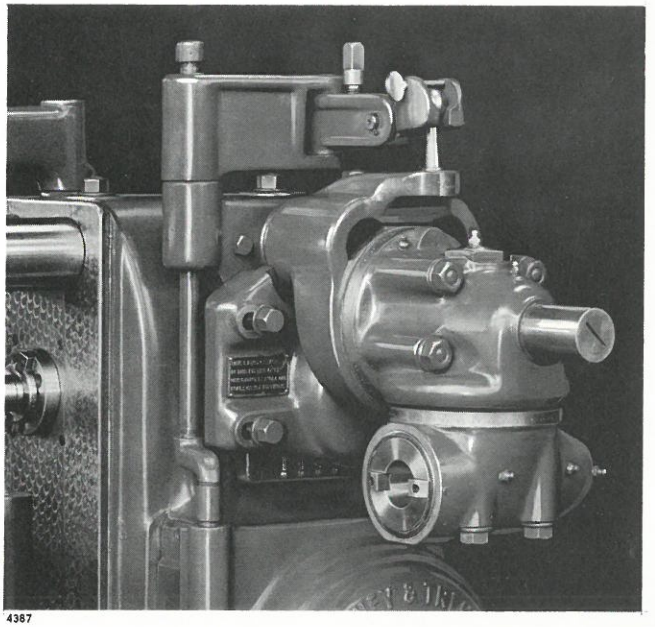
23251

Series 5749 Parking Unit on S-12 Machine

When used on SA and S-12 machines, the Series 5749 parking unit is used ONLY in combination with milling heads 5782 and 5796.

When used on S-15 machines, the Series 5749 parking unit is used ONLY in combination with milling head 5796.

On all machines other than SA, S-12 and S-15, the respective parking unit (see chart on this page) is used ONLY in combination with current milling head 5796 and non-current heads 4002 and 4099.



4387

Crane and Parking Bracket on Non-current Machine and With Non-current Head

— DIRECT FACTORY SALES OFFICES —
U. S. A.

CLEVELAND, O. 44115
Kearney & Trecker Corp.
2136 B. F. Keith Bldg.
Euclid Ave. & E. 17th St.

DETROIT, MICH.
Kearney & Trecker Corp.
23875 Northwestern Highway
Southfield, Mich. 48075

MILWAUKEE, WIS. 53214
Kearney & Trecker Corp.
11000 Theodore Trecker Way

NEW YORK, N. Y.
Kearney & Trecker Corp.
616 Palisade Ave.
Englewood Cliffs, N. J. 07632

PHILADELPHIA, PENNA.
Kearney & Trecker Corp.
Suburban Square Bldg.
Ardmore, Penna. 19003

PITTSBURGH, PENNA. 15238
Kearney & Trecker Corp.
1122 Freeport Road

— SALES REPRESENTATIVES —
U. S. A.

ATLANTA, GA. 30308
Scott Machine Tool Co.
411 Williams St., N.W.

BATON ROUGE, LA. 70815
Oliver H. VanHorn Co., Inc.
6301 Choctaw Street

BIRMINGHAM, ALA. 35209
Modern Machinery Associates
1824 29th Ave., South

BOSTON, MASS. 02215
Stedfast & Roulston, Inc.
11 Deerfield St.

BUFFALO, N. Y. 14223
Syracuse Supply Company
1965 Sheridan Drive

CHARLOTTE, N. C. 28203
Smith-Courtney Company
1529 South Tryon

CHATTANOOGA, TENN. 37411
Scott Machine Tool Co.
116 Dauphin Way

CHICAGO, ILL. 60656
Jackson-Fotsch Co.
7350 West Lawrence Ave.

CINCINNATI, O. 45202
The E. A. Kinsey Co.
327-335 W. Fourth St.

COLUMBUS, O. 43212
The E. A. Kinsey Co.
1020 W. Fifth St.

DALLAS, TEX. 75235
Greene Machinery Co.
Frito-Lay Tower, Suite 839

DAYTON, O. 45409
The E. A. Kinsey Co.
1580 W. Dorothy Lane

DENVER, COLO.
F. J. Leonard Co.
No. 10 Garden Center
Broomfield, Colorado 80020

GREENSBORO, N. C. 27402
Smith-Courtney Co.
814-820 Winston St.

HICKORY, N. C. 28601
Smith Courtney Co.
103 3rd Street, S.W.

HOUSTON, TEX. 77023
Steel & Machine Tool Sales
4747 Gulf Freeway

HONOLULU, HAWAII
C & F Machinery Corporation
P. O. Box 238
Ewa Beach, Hawaii 96706

INDIANAPOLIS, IND. 46207
The E. A. Kinsey Co.
1550 Stadium Drive

JACKSON, MISSISSIPPI
Oliver H. VanHorn Co., Inc.
451 N. Gallatin Street

JACKSONVILLE, FLORIDA 32205
Scott Machine Tool Co.
1111 Legay Avenue

KANSAS CITY, MO. 64138
Nuetzel Machinery Co.
9140 E. 50 Highway

LOS ANGELES, CALIF. 90022
Germain-Moore Machinery Company
3200 South Garfield Avenue

NEW ORLEANS, LA. 70150
Oliver H. VanHorn Co., Inc.
1742 St. Charles Ave.

OMAHA, NEB. 68110
Fuchs Mach. & Supply Co.
2401 N. Eleventh St.

PHOENIX, ARIZ. 85034
Germain-Moore Machinery Company
15 North 40th Place

PORTLAND, ORE. 97232
Harry M. Euler Co.
2811 N.E. Glisan St.

RICHMOND, VA. 23211
Smith-Courtney Co.
Seventh & Bainbridge Streets

ROCK ISLAND, ILLINOIS 61201
Jackson-Fotsch Co.
22 Watch Hill Road

ROCHESTER, N. Y.
Syracuse Supply Company
3380 Monroe Ave.

ST. LOUIS, MO. 63108
Nuetzel Machinery Co.
3713 Washington Ave.

ST. PAUL, MINN. 55114
Sales Service Mach. Tool Co.
2363 University Ave.

SALT LAKE CITY, UTAH 84101
Todd Machinery Co.
165 So. Fourth West Street

SAN FRANCISCO, CALIF.
Moore Machinery Company
Hollis at Powell Sts.
Emeryville, Calif. 94608

SEATTLE, WASH. 98134
Buckner-Weatherby Co.,Inc.
5931 Fourth Ave., S.

SHREVEPORT, LA. 71102
Oliver H. VanHorn Co., Inc.
228 Spring Street

SYRACUSE, N. Y. 13201
Syracuse Supply Company
P.O. Box 1044

TULSA, OKLA. 74114
Kansas-Oklahoma Machine Tools, Inc.
3216 E. 21 Street

WICHITA, KAN. 67202
Kansas-Oklahoma Machine Tools, Inc.
2234 South Mead

— SALES REPRESENTATIVES • CANADA —

MONTREAL **TORONTO** **OTTAWA**
QUEBEC **WINDSOR**
Williams & Wilson Ltd.

KEARNEY & TRECKER
MILWAUKEE®

KEARNEY & TRECKER CORPORATION

MILWAUKEE, WISCONSIN, U.S.A. 53214

Phone 414-476-8300 • Telex 026-663 • Cable Treckermil

7-66 5M CO

LITHO IN U.S.A.