

Film-Tech

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KELMAR RTV-7500 REWIND SYSTEM INSTALLATION OPERATING INSTRUCTIONS

General Comments:

The RTV-7500 includes a rugged mode and direction selector switch, plus an infinitely variable DC motor and deluxe motor control module. The RTV-7500 allows for precision speed adjustment for inspection, rewinding, and shipping out to small diameter exchange reels. A wide variety of interchangeable shafts makes the RTV-7500 suitable for use in all situations.

RTV-7500 Installation Instructions:

1. Start installation by unpacking the table and all components. Verify all components, etc. against the hardware list.
2. Locate the table top (white side up) and set on blocks so that the cutout is at the lower right. Install the eight 1/4-20 x 1-3/4" long square neck (carriage) bolts through the top in the eight holes as shown on drawing.
3. Turn the top over so that the cutout is at the lower left (white side down). Be certain to protect the top from scratching.
4. Both leg units are identical. It should be noted that the holes for braces should be located toward the top (away from the cutout).
5. Position a leg assembly over the two 1/4-20 bolts and the blind hole on the left side of the top so that the smooth side of the angle faces the edge of the top. Fasten this unit to the top using one lag bolt with flat washer and two 1/4-20 nuts, flat washers and lock washers.
6. In a similar fashion, install the opposite leg unit.

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7. Install the two cross braces on the inside of the leg units with the five 1/4-20 x 5/8" bolts, washers, and lock washers provided.
8. Square up the legs and tighten all fasteners securely.
9. Install the four glides, placing a nut on either side of the flange of the leg unit. These glides should be adjusted and locked when the table is in its final position.
10. Fasten the motor control module to the table top using the four #10 x 3/4" pan head sheet metal screws.
11. Turn the table over, set in position, level the glides and lock them securely.

It should be noted that it is not necessary to remove the covers of the table top units for installation.

12. Install the drag head to the left side of the table using four 1/4-20 x 1-3/4" bolts and flat washers.
13. Install the power head to the right side of the table using four 1/4-20 x 1-3/4" bolts and flat washers.
14. Drop the drive belt through the cutout in the table top, being certain that it is engaged on the pulley of the power head.
15. Pull the wire of the power head through the cutout, and plug it into the rear of the motor control module.
16. Install the motor mounting bracket to the four 1/4-20 bolts extending through the top. Secure and tighten the bracket with four 1/4-20 kep nuts. Facing the table, this bracket is positioned so that the four motor mounting slots are to the left.
17. Slip the drive belt over the pulley of the motor and fasten the motor to the bracket with four 10/32 x 3/8" socket head cap screws and flat washers. Plug motor into control module.
18. Adjust belt tension with unit running. Proper tension will be when unit is quietest.
19. Apply the two paste-on tie wrap anchors to the underside of the table and fasten the wires to them, making certain that they are clear from all belts or moving parts.

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20. Install the auto shutoff arm and roller. A nylon washer is used for shipment only and should be discarded.
21. After locating table in its final position, it is suggested that it be anchored to the floor with the hole in the bottom of each leg unit, or fastened to wall using an angle bracket.
22. Plug line cord into 115 VAC - 60 Hz outlet. Table is now ready for operation.

Operating Instructions:

1. The RTV-7500 can be used for 1/2" or 5/16" reels. As shipped, the device is optimized for 1/2" or 5/16" operation. If 5/16" capability is ordered, two 5/16" reel support shafts with pin drive (large reels), P/N 7305160-2 (red), and two 5/16" reel support shafts with key drive, P/N 7635160-4 (black), are included.

If 1/2" capability is ordered, two 5/16" reel support shafts with key drive, P/N 7635160-4 (black), and two 1/2" reel support shafts with pin drive, P/N 7305160-1, are included.

An optional 5/16" shaft with eccentric finger hole drive, P/N 7645160-3, is also available.

2. The motor control module permits operation in three modes - manual reverse, manual forward, and automatic shutoff in the forward mode.
3. Set speed control to 0. Select mode of operation, then raise speed control to desired speed.
4. For show makeup, speed control is used to start and stop motor. It should be noted that shutoff arm must be at the lower stop in order for the device to operate in the manual mode.
5. For auto shutoff operation, set speed between 70 and 80. Select auto shutoff mode. Thread film under the auto shutoff roller. Raise auto shutoff arm to upper stop, rewinder will start, gently lower the roller onto the film. At end of reel, device will automatically stop.

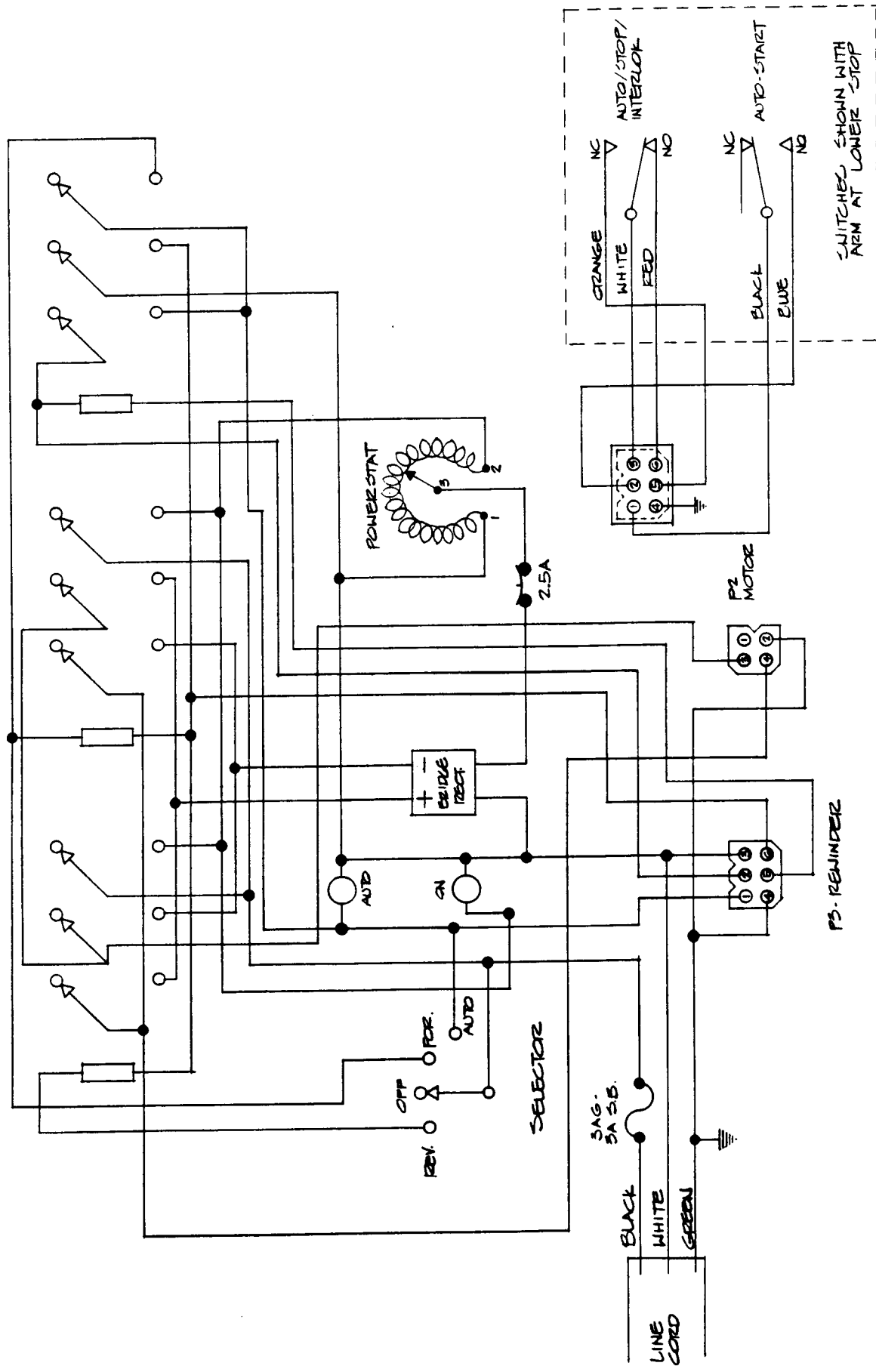
For automatic rewinding, the selector switch may be left in the automatic position.

6. Correct speed for large reels should not exceed 80. Higher speeds will result in damage to film, reels, etc. Full speed should be used for shipping out onto small reels only.

K1 MANUAL REVERSE

K2 MANUAL FORWARD

K3 AUTO SHUT-OFF

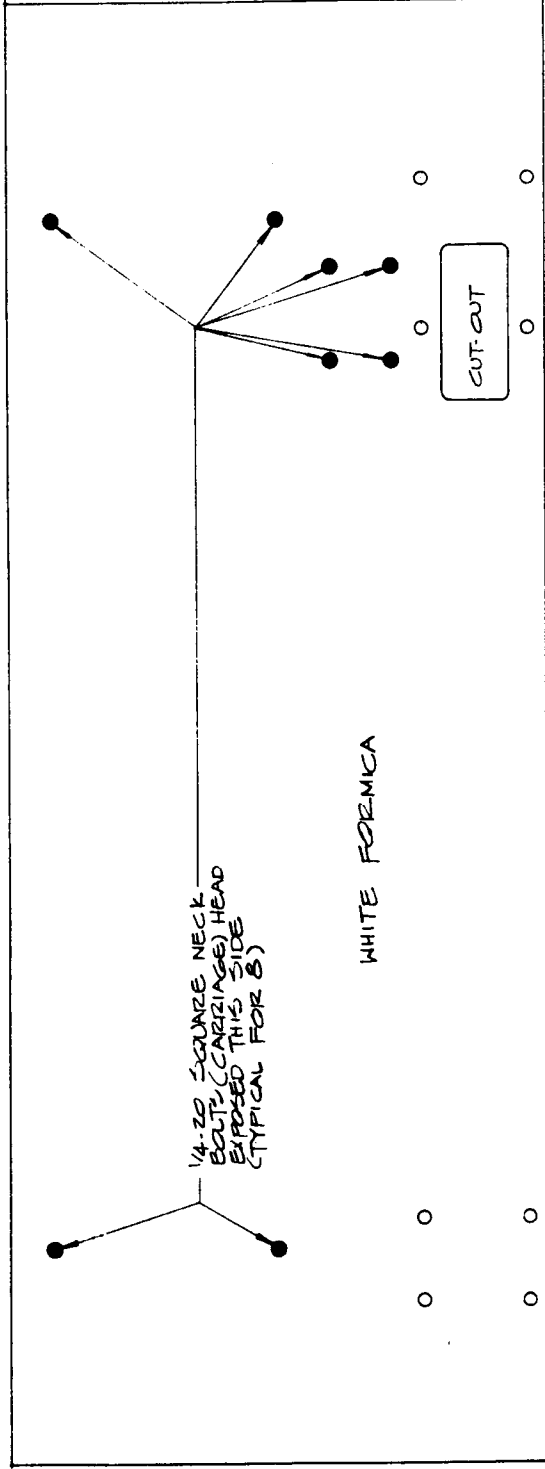


PS-REMINDEZ

SWITCHES SHOWN WITH ARM AT LOWER STOP POWER HEAD

RTV-7500-C SCHEMATIC
REV # 7025154





Revisions

RTV-7500
FORMICA TABLE

Kelmar Systems Inc.

28 Broadway • Huntington Station, New York 11746 • (516) 492-6311

Date: JAN 76	Scale: 5" = 1'-0"	Drawn by: GNE
Job No:	File No:	Dwg No: 238

RTV-7500 POWER REWIND PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>
7525151	POWER SIDE ASSEMBLY
7525152	DEAD SIDE ASSEMBLY
7625154	MODULE, SPEED CONTROL, COMPLETE
7625055	CABLE, MOTOR CONTROL TO POWER HEAD
7415155	LEGS, TABLE
7415156	BRACE, TABLE
7415157	TOP, TABLE
7525158	COVER, POWER SIDE
7525159	COVER, DEAD SIDE
7525160-1	SHAFT, REEL SUPPORT, ASSEMBLY - 1/2" (BLUE)
7525160-2	SHAFT, REEL SUPPORT, ASSEMBLY - 5/16" W/DRIVE PIN (RED)
7635160-4	SHAFT, REEL SUPPORT, ASSEMBLY - 5/16" W/DRIVE KEY (BLACK)
7645160-3	SHAFT, REEL SUPPORT, ASSEMBLY - 5/16" FINGER HOLE DRIVE
7525161	FRAME, POWER SIDE
7525162	FRAME, DEAD SIDE
7415163	PULLEY, MAIN SHAFT, POWER SIDE
7415164	PLATE, CLUTCH, DEAD SIDE
7415165-2	PULLEY, MOTOR, POWER SIDE
7415166	SPACER, CLUTCH PLATE TO FRAME, DEAD SIDE
7525167	SHAFT, MAIN, POWER SIDE
7525168	SHAFT, MAIN, DEAD SIDE
7525169	COLLAR, BALL DETENT
7415170	EXTENSION, SHAFT, DEAD SIDE
7415174	PLATE, PRESSURE, CLUTCH, DEAD SIDE
7415175	PULLEY, JACK SHAFT TO MAIN SHAFT, POWER SIDE
7415176	PULLEY, JACK SHAFT TO MOTOR, POWER SIDE

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<u>PART NO.</u>	<u>DESCRIPTION</u>
7415177	SHAFT, JACK
7643177	MICRO SWITCH
7625178	MOTOR MOUNTING BRACKET
7415179	BEARING, MAIN SHAFT
7525180	BEARING, JACK SHAFT
7415181	KEY, SQUARE, MAIN SHAFT
7415182-1	KEY, SQUARE, JACK SHAFT, LONG
7415182-2	KEY, SQUARE, JACK SHAFT, SHORT
7525183	DETENT, BALL
7525184	BUSHING, SHAFT STORING
7415185	KNOB, AUTO SHUTOFF
7402078	ROLLER, AUTO SHUTOFF, 35MM
7525189	FLANGE, MOUNTING, AUTO SHUTOFF
7525190	SHAFT, AUTO SHUTOFF
7415191	ARM, ROLLER, AUTO SHUTOFF
7415192	CAM, INTERMEDIATE REST AND STOP, AUTO SHUTOFF
7525193	SHAFT, ROLLER, AUTO SHUTOFF, 35MM
7525194	STUD, STOP, AUTO SHUTOFF
7415195	CAM, START, AUTO SHUTOFF
7525160-5	SHAFT, REEL SUPPORT, 70MM
7525197	SHAFT, 70MM ROLLER, AUTO SHUTOFF, 70MM MODEL
720409	ROLLER, AUTO SHUTOFF, 70MM (WITH BEARINGS)
7525160-6	SHAFT, REEL SUPPORT, 16MM
7415202	MOTOR, DC
7525203	SPACER, MOTOR MOUNT
7525204	BUSHING, ISOLATION, MOTOR MOUNT
7525205	STANDOFF, BEARING, JACK SHAFT

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<u>PART NO.</u>	<u>DESCRIPTION</u>
7415206	REST (MODIFIED), INTERMEDIATE, AUTO SHUTOFF
7415207	BRACKET, INTERMEDIATE REST, AUTO SHUTOFF
7415208	BUMPER, RUBBER
7415210	SPACER, SWITCH MOUNTING, AUTO SHUTOFF
7525213	BELT, JACK SHAFT TO MAIN SHAFT
7525214	BELT, MOTOR TO JACK SHAFT

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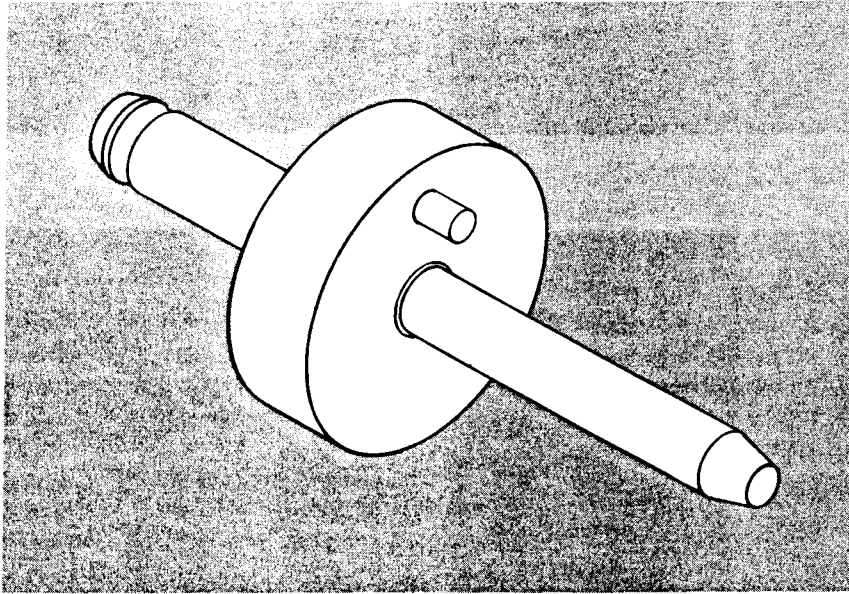
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Other Options:

7525220	8" Trailer Flange
7305227	Film Measuring Machine Bracket
7525160-5	70mm Spindle
7525160-6	16mm Spindle
7713030	Handle

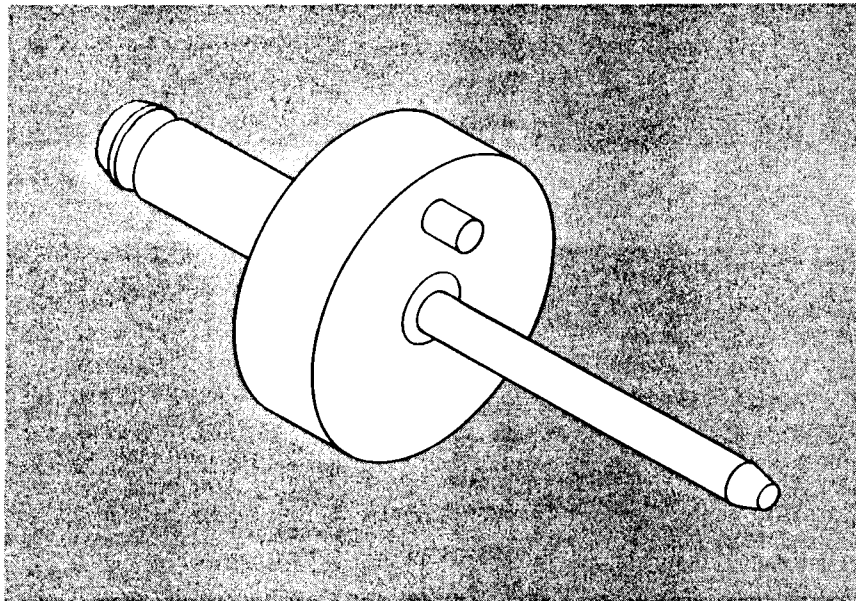
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RTV-7500 SPINDLE CHART



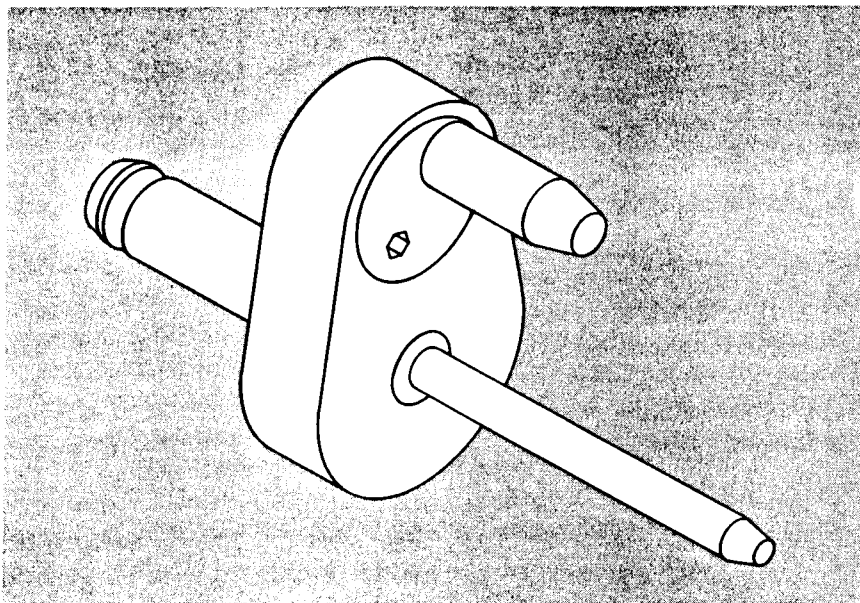
7525160-1

For use with 35mm, 1/2" solid or floating hub reels. Has a hardened steel drive dog. Will safely handle up to 36" diameter reels.



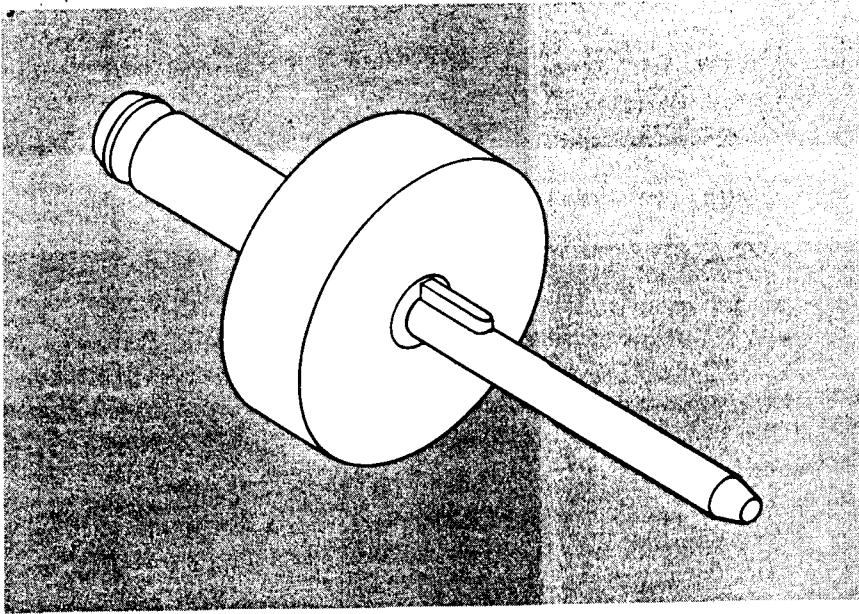
7525160-2

For use with 35mm, 5/16" solid or floating hub reels. Has a hardened steel drive dog. Will safely handle up to 28" diameter reels.



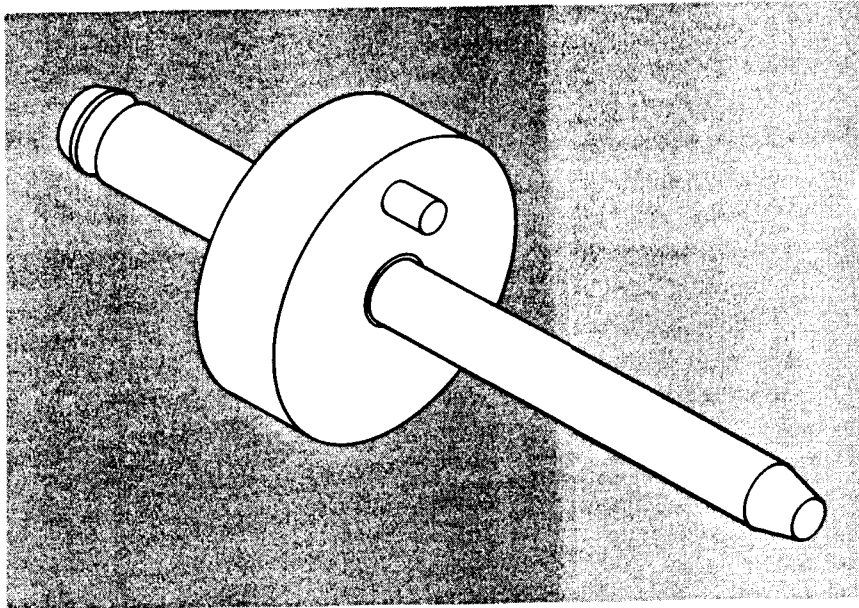
7645160-3

For use with all 35mm, 5/16" hub reels. Has an adjustable super heavy duty drive dog that will handle shipping reels, cast aluminum reels, and large diameter solid or floating hub reels.



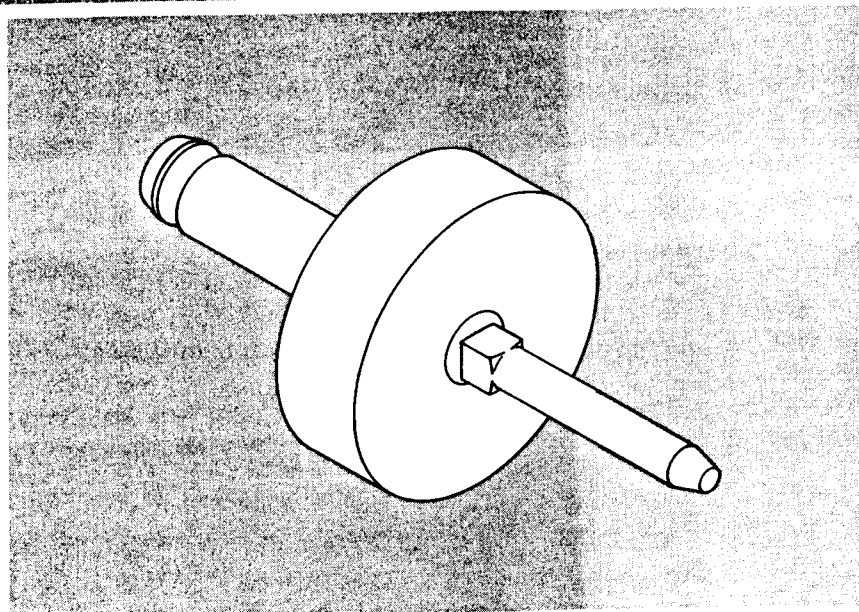
7635160-4

For use with 35mm, 5/16" hub reels up to 18" diameter. Fast and convenient with small and standard shipping reels and solid hub cast aluminum reels. Has hardened steel drive key welded into spindle.



7525160-5

For use with 70mm, 1/2" hub solid or floating hub reels. Has hardened steel drive dog, extra long spindle, and a tapered nose for safe handling of all 70mm reels.



7525160-6

For use with all 16mm reels. The accurately machined square drive boss, with a tapered leading edge, provides fast and positive drive for all solid and floating hub reels.