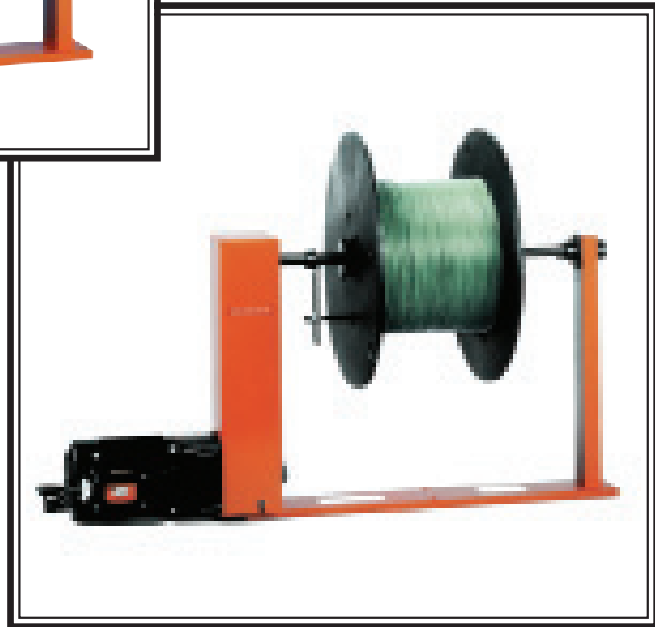




Operating Manual

Please Read Before Operating Unit



Models DE600/DE600M Dereelers & Winders

Service and All Spare Parts Available

The Eraser Company, Inc.
PO Box 4961/ Oliva Drive
Syracuse, NY 13221, USA

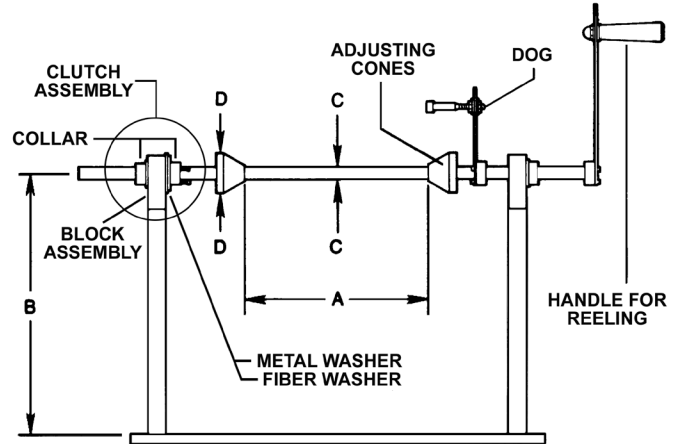
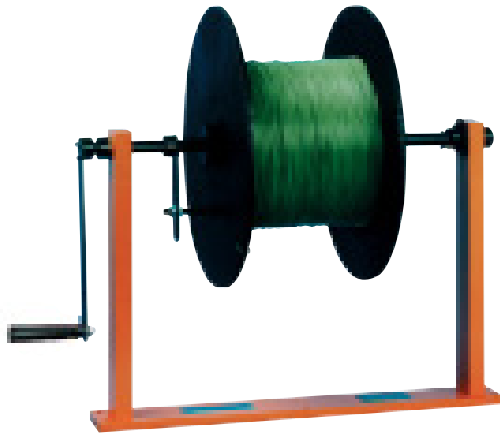
Phone: (315) 454-3237
Fax: (315) 454-3090
Website: www.eraser.com
E-mail: info@eraser.com



Always Moving Forward®



DE600 Dereeler and Winder ^{p 2}



SPECIFICATIONS

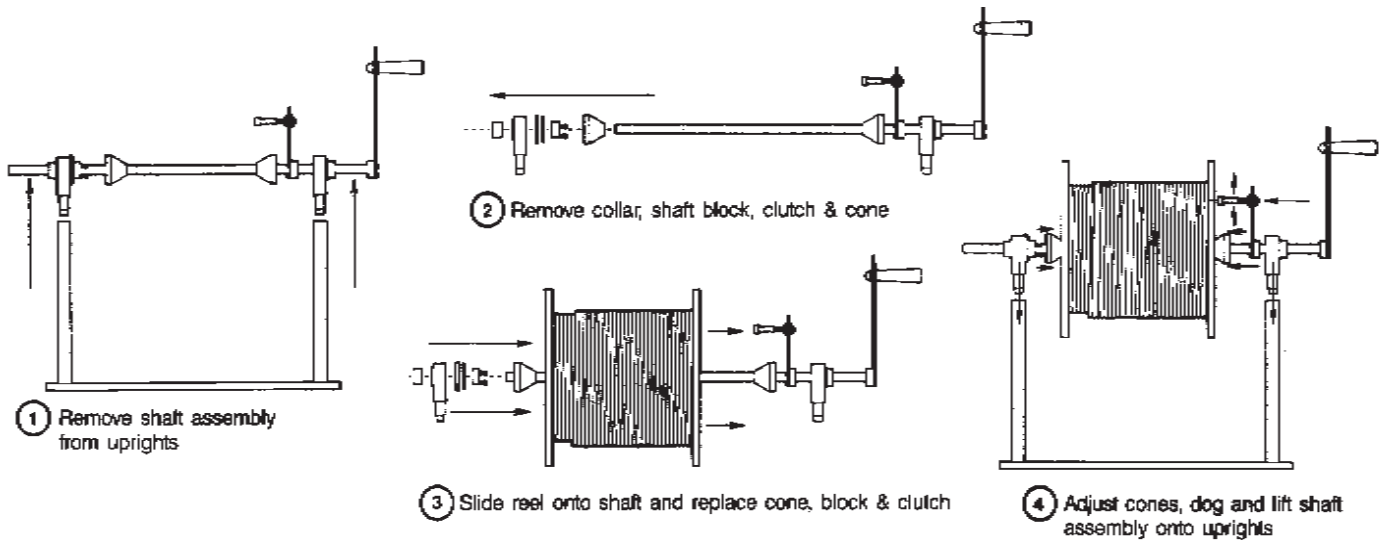
A = reel width, max.	15" (381mm)
B x 2 = reel dia., max.	29" (737mm)
C = reel arbor dia., min.	3/4" (19mm)
D = reel arbor dia., max.	2-1/8" (54mm)
Maximum reel weight	200 lbs. (90.7 Kg)
Overall size	34" x 16-1/2" x 3" (864mm x 419mm x 76mm)
Net weight	32 lbs. (14.5 Kg)

The DE600 is a versatile, manual dereeler or reeler for a variety of different reel sizes up to 29" (737mm) in diameter and weighing up to 200 lbs. (90.7 Kg). The entire shaft assembly disconnects from the uprights to facilitate easy loading of reels. Order additional shaft assemblies and eliminate set-up time when changing reels from one material type to another. Adjustable cones and dog allow use of reels with arbor holes from 3/4" to 2-1/8" (19mm to 54mm) OD. An adjustable friction clutch assembly prevents overruns when dereeling material. Unit can be floor or bench mounted.

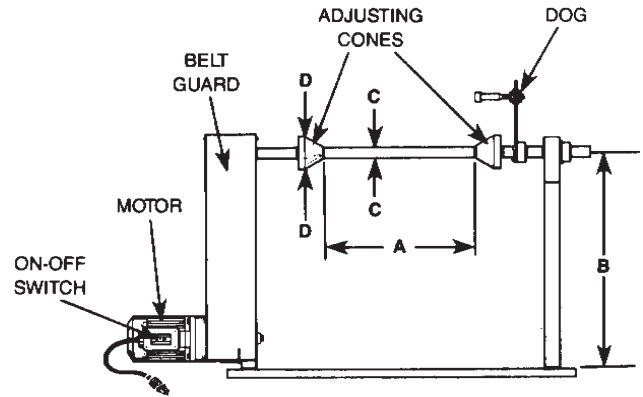
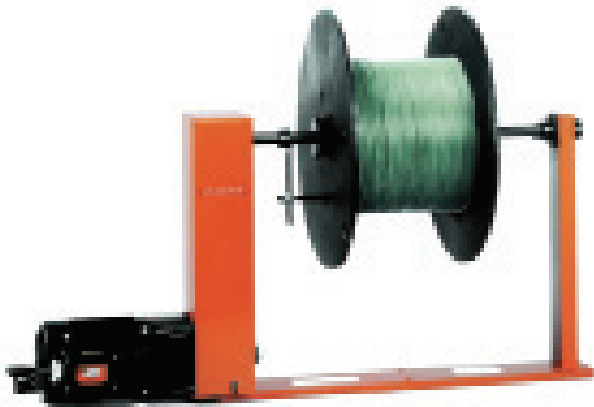
ORDERING INFORMATION

AR5600 (DE600) Manual dereeler and winder
 IR8695 Handle assembly only

OPERATION



DE600M Motorized Dereeler and Winder



The DE600M motorized reeler/dereeler easily reels wire or cable without operator fatigue, or quickly dereels large amounts of wires or cables with no pulling. The 1/6 HP motor turns the shaft at a constant speed of 57-1/2 RPM (47 RPM for 220 V units) and can handle reels of material up to 75 lbs. (34 Kg). Adjustable cones and dog allow use of reels with arbor holes from 3/4" to 2-1/8" (19mm to 54mm) OD. Also included is a handle to enable manual reeling and dereeling if desired.

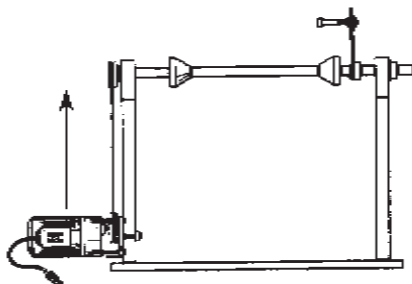
SPECIFICATIONS

A = reel width, max.	15" (381mm)
B x 2 = reel dia., max.	29" (737mm)
C = reel arbor dia., min.	3/4" (19mm)
D = reel arbor dia., max.	2-1/8" (54mm)
Maximum reel weight	75 lbs. (43Kg)
Overall size	35" x 16-3/4" x 7" (889mm x 425mm x 178mm)
Net weight	53 lbs. (24Kg)
Motor speed, 120V units	1/6 HP, 57-1/2RPM

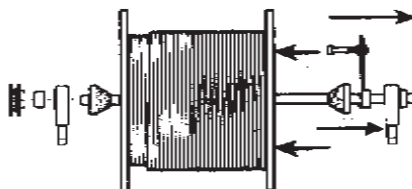
ORDERING INFORMATION

AR5701 (DE600M) Motorized dreeler and winder,
120V 60Hz
IR8695 Handle assembly only
PR3684 Replacement drive belt

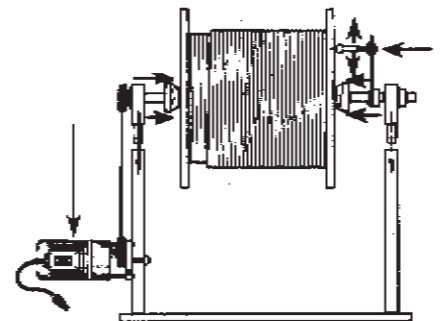
OPERATION



Remove guard and slide motor up to release belt from pulley.



Remove shaft assembly and load reel by removing cone, dog and shaft block from right side.



Replace shaft assembly on unit, slide motor down to tighten belt and replace guard.

DE600 & DE600M Dereeler and Winder

OPERATING INSTRUCTIONS

SET-UP:

MODEL DE600:

The DE600 is shipped fully assembled and is complete with two adjusting wrenches.

The base of the unit is provided with mounting holes for mounting the base to a workbench or on the floor. If mounting on a workbench, be sure the bench is capable of handling the weight of the unit and the reel of material to be used.

! CAUTION: Ensure that the unit is securely mounted to the workbench or floor, as insecure mounting may cause the unit to tip over and cause possible operator injury.

To install a reel onto the shaft, refer to the "Operation" drawings on the previous pages. Use the adjusting wrenches provided, to loosen and retighten all parts. After removing all shaft parts as indicated, and installing the reel on the shaft, be sure to replace all parts back on the shaft in the proper sequence. Reinstall the shaft assembly onto the base, insuring that the shaft is centered. The outside shaft collars should be set against the flange of the bushing in both shaft blocks and secured. With both cones loose, the reel may be centered on the shaft and the cones inserted into the reel arbor holes to hold the reel steady. If using a very large reel, the dog arm may be used for added force transfer when the cones alone do not provide enough friction to keep the reel from slipping. To adjust the dog arm, loosen the locknut holding the long bolt in the arm, allowing the bolt to slide freely in the slot. Locate a hole in the reel end (if there is no hole, drill one). Insert the bolt into the hole, and then tighten both the bolt in the slot and the dog assembly on the shaft.

! CAUTION: When tightening any part down on the shaft assembly, be sure the set screws are tightened on the flat of the shaft so as not to damage the shaft.

To adjust the clutch, slide the collar against the metal washer and fiber washer toward the block assembly (refer to the specification drawing for the DE600). Tighten collar onto the flat of the shaft. With the adjusting wrench provided, evenly tighten the

three screws on the collar until there is enough drag on the shaft to prevent the reel from unwinding when the crank is free. Use of the clutch is only necessary when the unit is being used as a dereeler.

Finally, adjust the crank handle. The handle may be located at any of the three indicated points along the arm to give the desired amount of leverage when reeling. If using the unit for de-reeling only, the crank arm and handle should be removed completely from the unit.

Check to ensure that all parts have been securely tightened to the shaft assembly. The unit is now ready for operation.

MODEL DE600M:

The DE600M is shipped partially assembled. Upon receipt, it will include the following:

- 1 Model DE600
- 1 Motor kit, including belt guard
- 1 Crank handle (for manual use)
- 1 Clutch assembly (for manual use)
- 2 Adjusting wrenches

The base of the unit is provided with mounting holes for mounting the base to a workbench or on the floor. If mounting on a workbench, be sure the bench is capable of handling the weight of the unit and the reel of material to be used. Mount the unit so that the motor pulley on the shaft assembly is on the left hand side.

! CAUTION: Ensure that the unit is securely mounted to the workbench or floor, as insecure mounting may cause the unit to tip over and cause possible operator injury.

After securing the base, mount the motor to the left upright. Refer to the DE600M parts drawing on overleaf if necessary. The motor is pre-assembled to the motor mounting plate at the factory. Rest the motor mounting plate against the outside of the left upright. Place the motor mounting clamp against the inside of the upright, making sure the upright is aligned in the groove. Using the two 5/16 x 18 x 2.0" long hex head bolts provided, tighten the clamp to the motor mounting plate. Do not completely tighten the clamp, as it needs to remain loose enough to allow the motor to slide up and down the upright.

DE600 & DE600M Dereeler and Winder

NOTE: The motor may be mounted on either upright of the unit, as desired. The motor rotates counter clockwise as looking toward the shaft end. However, mounting the motor on the right upright will cause the on-off switch to be at the back of the motor instead of to the front. If mounting the motor on the right upright, change the belt pulley on the shaft assembly to the opposite end and be sure the motor is oriented so that the air hole in the gearbox is in the top position.

Place the reel on the shaft assembly. Note that as you face the unit, the motor will make the top of the reel turn towards you if mounted on the left upright, and away from you if mounted on the right upright. This will determine how the reel is to be loaded, depending on if material is to be reeled or de-reeled.

To load a reel, remove the entire shaft assembly from the unit. Refer to the DE600M drawing on overleaf if necessary. Remove from the end opposite the belt pulley, the bushing shaft block, dog, and adjusting cone, using the adjusting wrenches provided. Slide the reel onto the shaft, noting the direction the shaft will be turning. Replace the adjusting cone, dog, shaft block and bushing and replace the entire shaft assembly back onto the uprights, ensuring that the shaft is centered. The outside shaft collars should be set against the flange of the bushing in both shaft blocks and secured. Loosen both adjusting cones and center the reel on the shaft. Insert the cones into the reel arbor holes to hold the reel steady on the shaft. If using a very large reel, the dog arm may be used for added force transfer when the cones alone do not provide enough friction to keep the reel from slipping. To adjust the dog arm, loosen the locknut holding the long bolt in the arm, allowing the bolt to slide freely in the slot. Locate a hole in the reel end (if there is no hole, drill one). Insert the bolt into the hole, and then tighten both the bolt in the slot and the dog assembly on the shaft.

! CAUTION: When tightening any part on the shaft assembly, be sure the set screws are tightened on the flat of the shaft so as not to damage the shaft.

Next, install the drive belt. Loosen the motor pulley and slide it toward the motor to allow clearance for the belt. Insert the belt through the motor mounting

clamp and loop it onto the motor pulley. Slide the motor assembly up the upright by lifting up the motor, until the other end of the belt can be easily looped over the shaft pulley. Then slide the motor assembly down the upright and let it relax on the belt. Align the motor pulley with the shaft pulley and tighten the motor pulley to the shaft. Slide the motor assembly down the upright until the belt is tight. Then tighten the motor clamp to secure the motor to the upright during operation.

Install the belt guard by sliding it over the top pulley and the motor mounting assembly. Be sure the guard fits between the washers and the edge of the motor mounting plate. Use the wrench provided to tighten the two socket head set screws on each side of the guard to secure it.

! CAUTION: DO NOT operate the unit without the guard as operator injury could result.

OPTIONAL MANUAL SET-UP:

The DE600M is provided with a crank handle and clutch assembly to enable the unit to function as a manual DE600 if desired. Refer to DE600 Set-up instructions for use.

OPERATION:

MODEL DE600:

To reel, simply turn the crank. To de-reel, pull the material. If there is too much drag, or not enough, readjust the clutch assembly, as described in Set-up.

The crank arm, dog, and clutch assembly may be placed at either end of the shaft assembly to accommodate either right or left handed operators.

MODEL DE600M:

NOTE: Before operating motor for the first time, remove the plastic plug from the gear box as per the label on the motor.

Plug the unit into the appropriate power supply, either 120V 60Hz or 220V 50Hz, and turn on.

NOTE: 220V, 50Hz units are shipped without plugs. Wire on plug. Color Coding is: Brown = live; Blue = neutral; Green = ground.

! CAUTION: The maximum reel weight the DE600M can accommodate is 75 lbs. (34Kg).

DE600 & DE600M Dereeler and Winder

Exceeding the weight limit may cause damage to, or failure of, the motor.

MAINTENANCE:

BOTH MODELS:

No regular maintenance required. After extended use it may be necessary to lubricate the bushings in the shaft block.

TROUBLESHOOTING:

MODEL DE600:

PROBLEM: Reel slips on shaft.

SOLUTIONS:

- 1) Check that cones are properly adjusted and tight.
- 2) Use dog arm for added force transfer.

PROBLEM: Shaft will not turn.

SOLUTIONS:

- 1) Check that clutch assembly is not too tight.
- 2) Check for burrs on shaft caused by parts and not being tightened onto flat of shaft.

MODEL DE600M:

PROBLEM: Reel slips on shaft.

SOLUTIONS:

- 1) Check that cones are properly adjusted and tight on shaft.
- 2) Use dog arm for added force transfer.

PROBLEM: Shaft will not turn.

SOLUTIONS:

- 1) Check that clutch assembly is not installed on shaft.

This is used only for DE600.

- 2) Check for burrs on shaft, caused by parts not tightened to flat of shaft.
- 3) Check that belt is properly located on pulleys and that pulleys are tightened on their shafts.
- 4) Check that the belt is tight enough. If not, lower the motor assembly slightly.

PROBLEM: Motor does not function.

SOLUTION:

- 1) Check power supply.

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