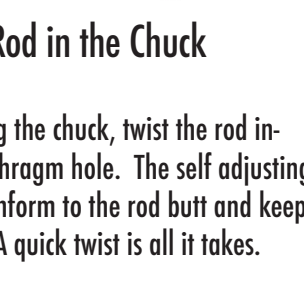


FLEX COAT Self Adjusting Chuck

Stock # SAC



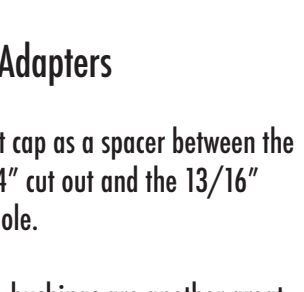
Self-adjusting chuck securely holds rod while applying and curing Flex Coat finish. The diaphragm comes with a 13/16" hole that conforms to most rod butts of 7/8" to 1 1/4" and holds them securely. We now offer a 5/16" hole diaphragm upon request. Custom hole sizes can also be achieved. This chuck attaches to motors with a 1/4" "D" shaft.



Pic. 1

Centering the Rod in the Chuck

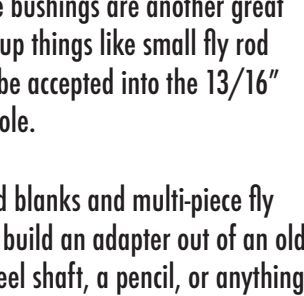
Pic. 1 While holding the chuck, twist the rod inside the diaphragm hole. The self adjusting chuck will conform to the rod butt and keep it centered. A quick twist is all it takes.



Pic. 2

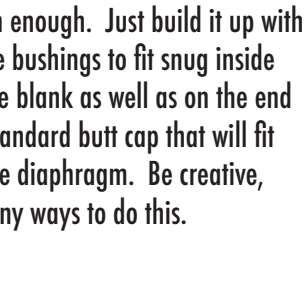
Making Chuck Adapters

Pic. 2 Use your butt cap as a spacer between the standard 3/4" cut out and the 13/16" diaphragm hole.



Pic. 3

Pic. 3 Masking tape bushings are another great way to build up things like small fly rod reel seats to be accepted into the 13/16" diaphragm hole.



Pic. 4

Pic. 4 Lastly, for rod blanks and multi-piece fly rods you can build an adapter out of an old rod blank, steel shaft, a pencil, or anything long and thin enough. Just build it up with masking tape bushings to fit snug inside the end of the blank as well as on the end to accept a standard butt cap that will fit nicely into the diaphragm. Be creative, there are many ways to do this.

FLEX COAT Slip Clutch

Stock # SL1

This slip clutch can be attached to any finishing motor with a 1/4" shaft and enables you to stop the rod without stopping the motor during Flex Coat Wrap Finish application. This is essential for rod inspection and important touch ups. It also makes coating guides with under wraps a snap. The Flex Coat Slip Clutch is used by most of the high production rod manufacturers.

Occasionally use general grease between plastic chuck and brass.

Standard hole size is 13/16" and custom sizes are available upon request.



The Flex Coat Slip Clutch is a precision milled instrument specifically designed to ease the application of rod finish. There are three adjustment screws for installation to a motor and precision tuning.

The #1 hex head set screw is for mounting the slip clutch to a finishing motor with a 1/4" shaft. Use a 3/32" allen wrench to tighten the #1 hex head to the 1/4" shaft of the finishing gear motor.

The #2 hex head set screw holds the #3 slotted screw in place. In order to adjust the tension on the slip clutch, slightly loosen the #2 hex head set screw with a 3/32" allen wrench. Tighten or loosen the #3 slotted screw with a flat head screw driver to the desired drag tension. Tighten the #2 hex head set screw.

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FLEX COAT OEM 36 Volt DC Power Rod Wrapper/Finisher & Guide Alignment Tool

Finally, ultimate control, dual-purpose, and unmatched ergonomics in one machine. The star of the show is the DC powered Dual Control Wrapping/Finishing Motor that is variable speed (40-680RPM), reversible, includes a foot control, adjustable slip clutch and height adjustments between 5 1/4" to 7 3/8". Whether wrapping or finishing, the 3 roller supports (1 w/ Tite Tip configuration) are slot mounted and can be set in the desired location to support the rod while the thread tension control board (now with 4 thread spools and tension devices) or finishing steady rest freely slide up or down your rod without obstruction. No juggling with upright supports while working down the rod. The base alignment board is available at 11" wide and 93.5" long or two 47" long pieces, extensions are available. OEM means Professional Grade, not to be mistaken for lesser.



ASSEMBLY

Tools Needed:

Power Drill w/ Phillips bit, if possible, or Phillips Screwdriver #2

Packing List:

- Dual Control Wrapping/Finishing Motor w/ Foot Control and PVC Motor Break
- PVC slot wall and slot wall support board (pre-drilled)
- Alignment Base Board (pre-drilled)
- Control board w/ tension devices and thread guide
- Steady Rest Finishing Tray
- Three Spring Loaded Rod Roller Supports
- 5 - 2" Phillips screws

Assembly:

1. Use a power drill with Phillips bit (Phillips hand screwdriver will work) to adjoin PVC slot wall with slot wall board support to the alignment base board, using the 5 - 2" Phillips screws. All holes for this assembly are pre-drilled and pre-tapped. It is easiest to install all 5 screws through the base board with 1/8" of the screw point sticking out the top side of the base board and then lay the PVC slot wall board on a table to align all of the 1/8" screw tips with the pre-drilled holes. Then once aligned, screw in the screws until firmly in place. DO NOT OVER TIGHTEN.
2. Now set the machine upright with the alignment base board on the table top and the PVC slot back board vertical.
3. Hang three rod roller supports in the top slot of PVC slot wall board.
4. Place control board and/or steady rest onto the alignment board.
5. Install motor on the left end of the alignment base board.

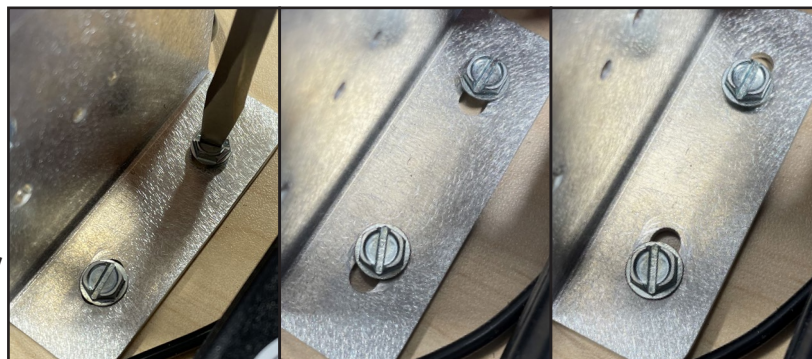


ADJUSTMENT

Tools Needed:

Flat head screwdriver or 5/16" socket

To adjust the center alignment of the motor mount, loosen the slotted 5/16" screws just enough to slide the aluminum bracket left or right to the desired alignment.

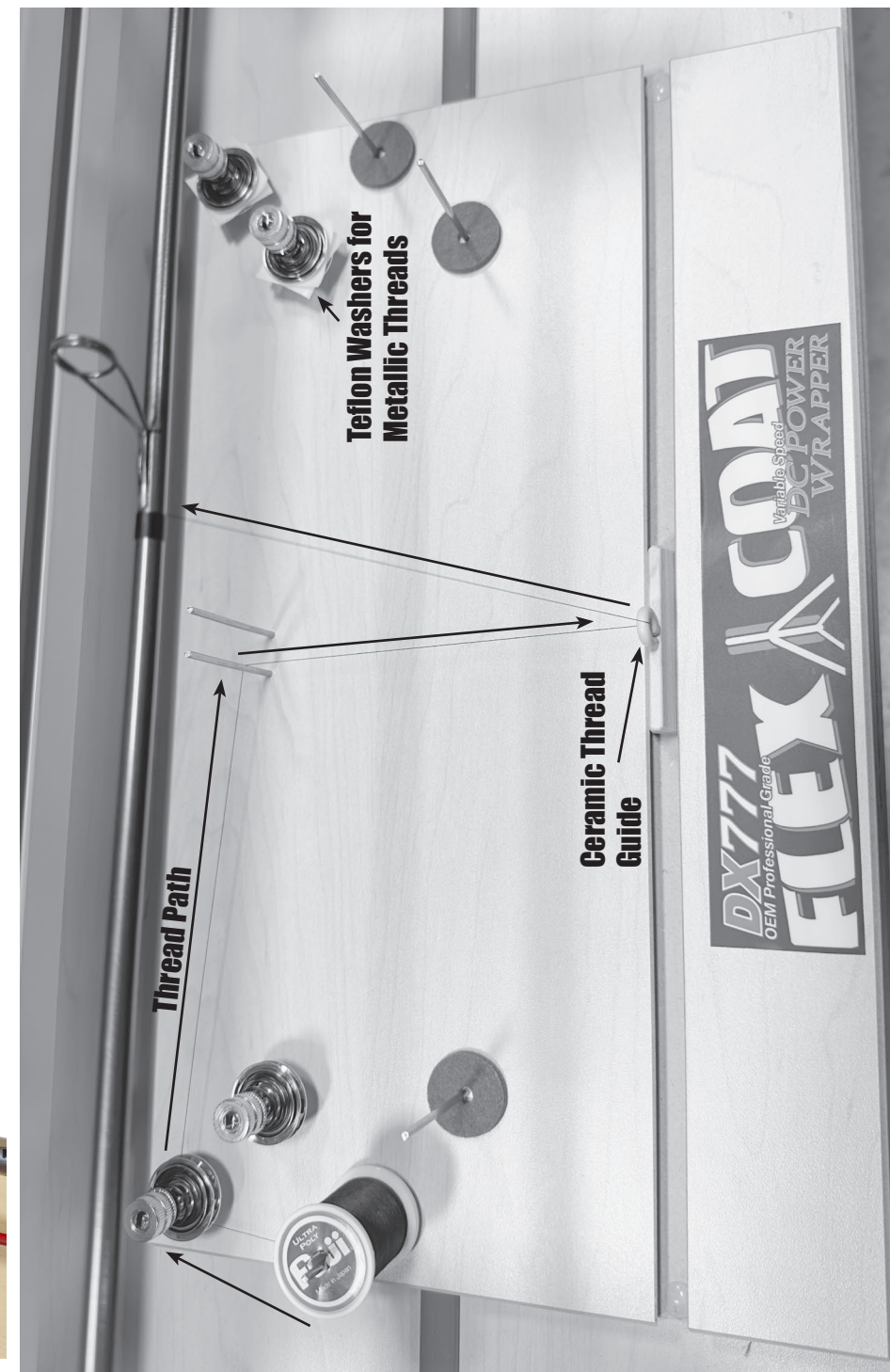


MOTOR LOCK

The PVC motor lock is intended to lock the chuck in place so that you can orient the reel seat straight up so that you can sight directly over the rod with a visual alignment centered on the red center strip on the base board. Then, using Flex Coat Guide Foot adhesive, secure the guides straight up and perfectly aligned prior to wrapping. The guide foot adhesive is strong enough to secure the guides but can be tweaked later even after wrapping is complete. Featured in the DC777 video on youtube at 3:10



SCAN WITH SMARTPHONE CAMERA FOR YOUTUBE VIDEO



DO NOT RETURN THIS EQUIPMENT TO THE PLACE OF PURCHASE
CONTACT FLEX COAT DIRECTLY AT 512-858-7742 OR flexcoat@gmail.com