

Defender Series Core Chucks

Model TA (Torque Activated)



Introduction

This manual is included with Montalvo's model TA Torque Activated mechanical core chucks as part of the documentation. Product characteristics, correct usage, normal maintenance and assembly/disassembly are covered. Please retain this document for the life of the product.

Technical Characteristics

Torque Activated mechanical core chucks are expanding type. Carbon steel construction ensures a durable product with a long life. Lugs are heat treated, allowing them to safely handle significant weight and torque. Self-expanding and self-centering expansion of the lugs occurs with the rotation of the roll. The efficient design is composed of minimal parts that require little maintenance.

Features

- Optimal grip
- Durable construction for the heaviest loads and longest duty cycles
- Many custom specifications available

Usage

Torque Activated mechanical core chucks are designed and built to be used in many industries such as paper, cardboard, plastic films, converting, coating, laminating and printing on machines like:

- Roll Stands
- Unwinders
- Rewinders

Jaw expansion is designed to activate with roll rotation in either direction.

Defender TA core chucks are designed to be mounted on machines mentioned above using hexagon socket head screws. Customer specified flange dimensions ensure a fast installation with little or no machine alterations. Any other explicit customization requested has to be approved by the customer, and Montalvo is responsible only in case of a production failure and/or error according to customer's design.

Heat treated components reduce mechanical wear and extend product life. The nickel plating enhances resistance to wear and corrosion.


Montalvo is not responsible for any customization done by the customer.

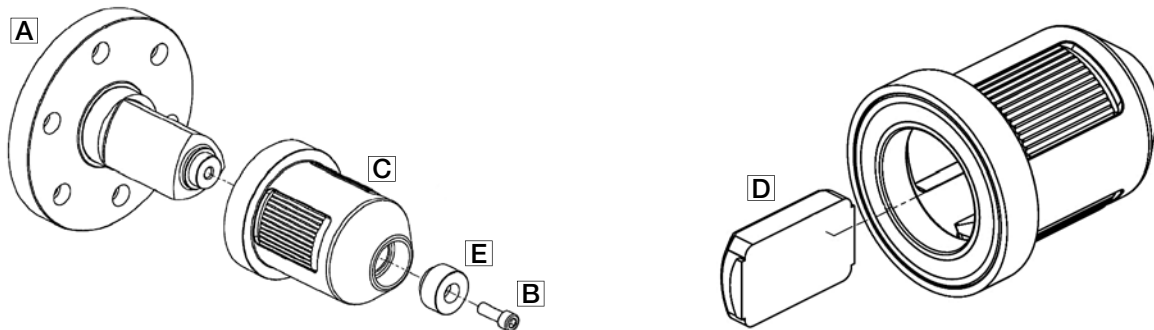
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Maintenance


Montalvo recommends inspecting and a general cleaning of the chucks every month. In particular, it is recommended to clean the chucks of any dust, fibers or dirt with compressed air to ensure optimal functioning. It's a good practice to perform more detailed cleaning of the chucks at regular intervals.

 If the lugs become worn and unable to grip as desired, they must be changed.



Disassembly

- 1 Lay the chuck, **flange A** down, on a flat surface.
- 2 Remove **screw B**.

 If you have chucks with the E-Flange ejection option: first remove the screws and the cylindrical pins from the E-Flange, then follow instructions **3** and **4**:

- 3 Pull **cage C** up. Note: **lugs D** will fall out of place.
- 4 Pull **top E** off.

Assembly

- 1 Lay **cage C**, cone end down, on a flat surface.
- 2 Insert **lugs D** into the cage openings.
- 3 Insert hub end of **flange A** into the cage. Make sure to align hub vertexes between lugs. Make sure hub is totally inserted into the cage. If it sticks, lightly tap the center of **flange A**.
- 4 While holding the cage in place, flip the assembly so it rests on the flange. *Caution: The cage may slip off when the assembly is being flipped. Make sure to hold it securely in place to avoid injury.*
- 5 Insert **top E** and secure with screw B using thread lock.

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