

GR Series

TA Torque Activated Core Chucks



Montalvo GR Series Torque Activated Core Chucks (GRTA)

Montalvo's **GRTA** is a maintenance free, heavy duty mechanical core chuck capable of handling high roll weight, speed and tension applications. This flange mounted steel core chuck engages the core with leaves that self-expand through web tension. Under the outer grip leaves are steel roller pins mounted into bi-directional format. The torque of the unwind roll causes the leaves to slide across the roller pins and expand outward to lock. Once tension is released, the grip leaves spring retract to a relaxed position allowing the chuck release grip. Chuck will expand when rotated in either direction.

Features, Benefits and Options

- ▶ **Self expanding - no air required (which reduces installation cost)**
- ▶ **Quick, positive expansion / retraction**
- ▶ **Concentric mechanical expansion**
- ▶ **Available in 3" to 16" diameters**
- ▶ **Flange or center bolt mount**
- ▶ **Specifications can be customized to meet your needs**
- ▶ **Maintenance free - eliminates downtime**
- ▶ **Adapters easily bolt onto base chuck**
- ▶ **Available in step design**
- ▶ **Short lead times on standard sizes**

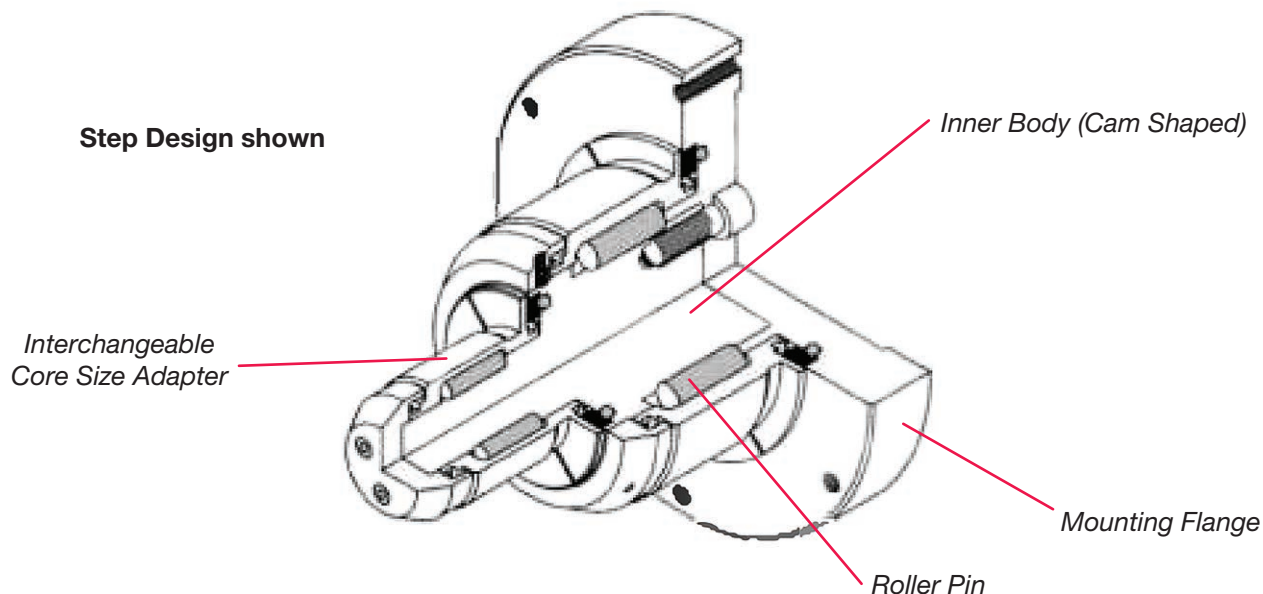


How it works

The **GRTA** design has a set of outer movable gripping leaves assembled over a cam shaped inner stationary body. Under each of the leaves are steel roller pins mounted into bidirectional cradles. The torque of the roll causes the leaves to slide across the roller pins, which in turn moves the pins up the sides of the cradles to concentrically expand all the leaves and lock the core in place as long as constant torque is applied. With no torque, the leaves spring retract to the relaxed position.

Optional Design

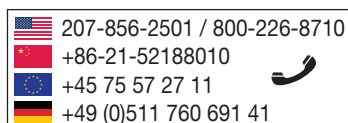
Two bearings mounted on the front and rear of the inner body, allow the leaves to smoothly expand with very low tension.



Specifications* (per chuck)	3" Core ID	4" Core ID	5" Core ID	6" Core ID
Max. Capacity lb (N)	3,600 (16,000)	4,720 (21,000)	6,050 (27,000)	7,870 (35,000)
Max. Torque - Cardboard Cores in-lb (Nm)	4,870 (550)	7,080 (800)	11,000 (1,250)	16,800 (1,900)
Max. Torque - Steel Cores in-lb (Nm)	3,365 (380)	4,600 (520)	7,350 (830)	10,180 (1,150)

*Standard Models only. Please contact your Montalvo representative for Non-Standard requirements.

All models available as STEP CHUCK format allowing for maximum machine efficiency when changing core sizes.



The Montalvo Corporation

EST. 1947

montalvo
Better Web Control®

50 Hutcherson Drive, Gorham, Maine 04038 USA

Fax: 1-800-644-5097 / 207-856-2509

1-800-226-8710 / info@montalvo.com / www.montalvo.com

Technical details subject to change without notice. GRTA-US-01 © Montalvo