

*New for 2023*



## Montalvo GR Series Core Chucks

EST. 1947

**montalvo**

*Better Web Control®*

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# Montalvo GR Series

For shaftless unwinding and rewinding applications requiring maximum roll/core gripping and/or utilizing floor pick up, Montalvo GR Series Core Chucks provide superior gripping performance to maintain precise, reliable, consistent tension control while keeping your rolls and your operators safe. Designed as drop-in replacements for existing installations or for new builds, GR Core Chucks offer reliable, continuous duty and high quality performance. [Available in 3" to 16" cores.](#)

## GRPA - Pneumatically Activated Mechanical Chucks

THE GRPA is a high performance, heavy duty steel chuck with one or more air-activated pistons that mechanically drive ramped expanders outward for perfect centering. Air is introduced through a separate port on the flange or optional rotary union. The GRPA is available with either expanding leaves or lugs. This chuck is recommended for higher weights, speed and torque requirements for either stop and go or continuous operations.



- ▶ **Perfect for unwinds requiring absolute centering and fail-safe grip**
- ▶ **Designed for high roll weight, maximum speed and torque**
- ▶ **Air actuated piston(s) concentrically expand leaf or lug grippers**
- ▶ **Air actuate/spring retract - or - spring engage/air retract designs**
- ▶ **Designed for 24/7 continuous or start/stop run applications**
- ▶ **Actuated via rotary union and/or air gun**
- ▶ **Quick change tool-less adapters available**

## GRTA - Torque Activated Mechanical Chucks

The GRTA is a flange-mounted steel chuck 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 to release it's grip. The chuck will expand when rotated in either direction.



- ▶ **Self-expanding, no air required**
- ▶ **Concentric expansion at very low tensions**
- ▶ **Flange or center bolt mount**
- ▶ **Optional mechanical leaf lock option**
- ▶ **Also available in narrow profiles**

## GRAA - Axial Activated Mechanical Chucks

The GRAA is a heavy-duty mechanical chuck that uses the side force pressure of machine arms to expand and grip the core. As the core presses against the core stop flange on the outer housing of the chuck, the outer housing moves back and the lugs or leaves expand with absolute concentricity. The chuck can only expand when the core hits the flange, as the outer nose is part of the inner body.



- ▶ **Roller bearings between the internal inclined planes for smooth expansion**
- ▶ **Self expanding - no air required**
- ▶ **Concentric mechanical expansion**

# Core Chucks



Specifications* (per chuck)	3" Core ID	4" Core ID	5" Core ID	6" Core ID
<b>GRPA</b>				
Max. Capacity lb (N)	2,700 (12,000)	3,150 (14,000)	4,500 (20,000)	5,600 (25,000)
Max. Torque - Cardboard Cores in-lb (Nm)	7,080 (800)	9,200 (1,040)	11,500 (1,300)	13,800 (1,560)
Max. Torque - Steel Cores in-lb (Nm)	3,550 (400)	4,700 (530)	5,850 (660)	7,100 (800)
<b>GRTA</b>				
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)
<b>GRAA</b>				
Max. Capacity lb (N)	2,700 (12,000)	3,370 (15,000)	4,500 (20,000)	5,600 (25,000)
Max. Torque - Cardboard Cores in-lb (Nm)	3,360 (380)	3,980 (450)	4,780 (540)	6,000 (675)
Max. Torque - Steel Cores in-lb (Nm)	1,770 (200)	2,120 (240)	2,550 (290)	3,100 (350)

\*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.

## Montalvo Core Chucks...

**Standard, drop in replacement and custom sizes**  
**Pneumatic, axial and torque activated models**  
**Unwind or rewind functionality**  
**Standard sizes in stock**

**Low/no maintenance**  
**3" to "16 cores**  
**Step designs**  
**Adapters**

Core size adaters  
for All models



Narrow profile option  
for Torque activated model



# HERE FOR YOU!

EST. 1947 **montalvo**

Fully capitalize on your Montalvo GR Series Core Chucks with tension controls, load cells, sensors and more. We are your total tension control supplier from unwind to rewind.

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