



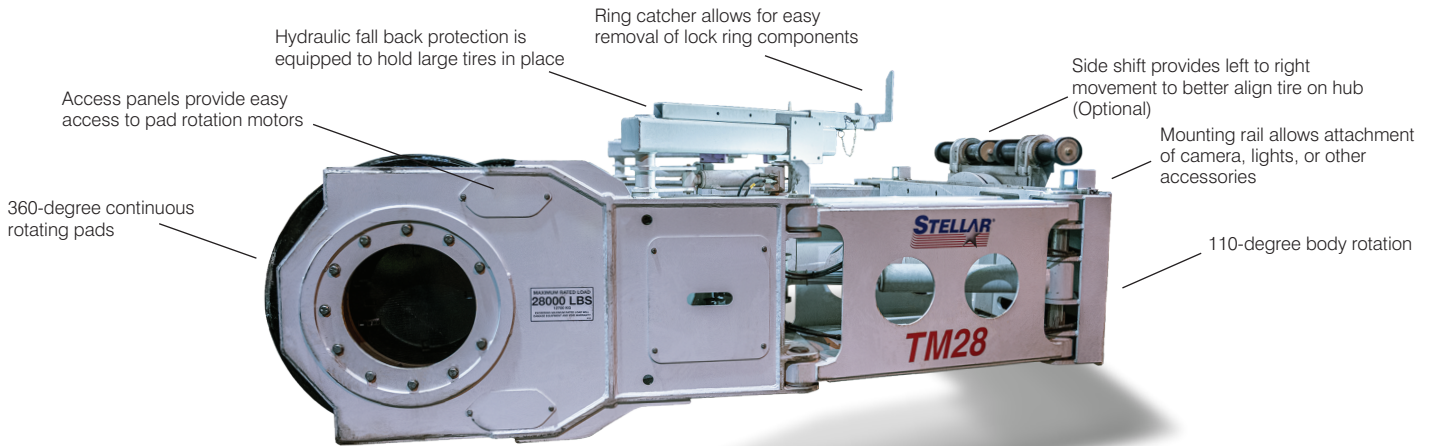
LARGE OTR TIRE MANIPULATOR

STELLAR[®] TM28

TECHNICAL SPECIFICATION GUIDE

KEY FEATURES

The Stellar® TM28 tire manipulator mounts to either a forklift or loader and is available in either a long or short arm version. With a rated capacity of 28,000 lbs., the TM28 is equipped to handle large construction and mine equipment tires. Featuring 110-degree body rotation and 360-degree continuous rotating pads, the TM28 tire manipulator allows operators full control, increasing efficiency and productivity.



Access panels provide easy access to pad rotation motors

Hydraulic fall back protection is equipped to hold large tires in place

Ring catcher allows for easy removal of lock ring components

Side shift provides left to right movement to better align tire on hub (Optional)

Mounting rail allows attachment of camera, lights, or other accessories

360-degree continuous rotating pads

110-degree body rotation



With optimal grip design, the rotating pads allow for efficient installation and removal of tires.



Side shift allows for 8" of left movement and 8" of right movement to align tire to hub. (Optional)



Hydraulic fall back protection and ring catcher arms holds tire in place and allows for easy removal of lock ring components.



Unobstructed visibility provides efficient mounting of tire to rim or equipment. (Camera system available)



Removeable access panels allow for easy access to hydraulic components.



Fully-proportional radio remote provides precise control and allows operator to be in optimal location to change tire.



Mounting rail allows attachment of camera, lights, and other accessories using Unistrut hardware.



Pad rotation system powered by two heavy-duty, self-locking, worm drives ensures strong and reliable performance.

TM28 MANIPULATOR MOVEMENT

110° Body Rotation

Allows manipulation of tires with precision control for the operator.



360° Pad Rotation

Provides the operator with dynamic movement of the tire to maximize efficiency.



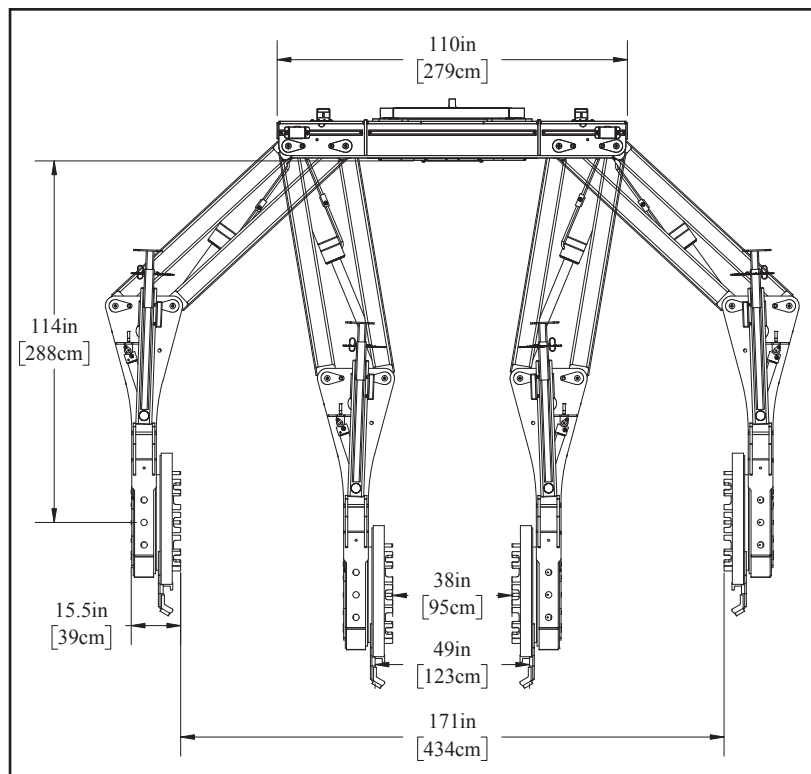
Side Shift (Optional)

Side shift allows for 8" of left movement and 8" of right movement to align tire to hub.



TM28 LONG ARM SPECIFICATIONS

Capacity:	28,000 lb. (12,700 kg)
Clamping Span:	38" to 171" (107 cm to 445 cm)
Body Rotation:	Dual pinion drive, 110-degree rotation range
Pad Rotation:	Dual worm gear continuous 360-degree rotation
Power Supply Required:	16 gpm @ 3000 psi (60 lpm @ 207 bar)
Controls:	Radio Remote, Fully Proportional Paddle Controls for all functions
Approx. Shipping Weight:	w/Loader mount: 15,300 lb (6,940 kg) w/Forklift mount: 14,300 lb (6,490 kg)
Side Shift (Optional):	16" (40.64 cm) side shift movement (8" (20.62 cm) left and right of CL)



TM28 SHORT ARM SPECIFICATIONS

Capacity:	28,000 lb. (12,700 kg)
Clamping Span:	40" to 162" (142 cm to 417 cm)
Body Rotation:	Dual pinion drive, 110-degree rotation range
Pad Rotation:	Dual worm gear continuous 360-degree rotation
Power Supply Required:	16 gpm @ 3000 psi (60 lpm @ 207 bar)
Controls:	Radio Remote, Fully Proportional Paddle Controls for all functions
Approx. Shipping Weight:	w/Loader mount: 14,150 lb (6,418 kg) w/Forklift mount: 13,150 lb (5,965 kg)
Side Shift (Optional):	16" (40.64 cm) side shift movement (8" (20.62 cm) left and right of CL)

