

# Schlumpf Ergonomic Handling Systems



MRT-500 Shown with 3" Mandrel



**LIFT · TURN · TRANSPORT · LOAD · UNLOAD  
· STACK · STORE · PACKAGE · PALLETIZE**

"Back Injuries - Nations Number One Workplace Safety Problem." The U.S. Department of Labor reports that more than one million workers suffer back injuries in the U.S. each year, costing industry billions of dollars on top of the pain and suffering borne by employees. Schlumpf Ergonomic Handling Systems will minimize or eliminate the risk of operator injury and maximize productivity and profits.

- **Low Cost**
- **Modular Design**
- **Simple Function**
- **Made In U.S.A.**
- **Safe, Easy and Economical**

Schlumpf's **MRT-500** is a hoist based manual roll turner which is engineered to assist operators in efficiently lifting and turning products with weights to 500 lbs (227 kg). The unit features our quick change tooling design that accepts both standard and custom tooling accessories for grabbing a variety of products.

Most often used with standard roll handling mandrels the **MRT-500's** amazing turning function enables operators to turn even heavy loads with minimal effort and no external power source. Supplied with a movable hoist point mechanism the **MRT-500** can quickly be adjusted for varying roll widths to ensure exact horizontal and vertical positioning. Rolls can be turned as quickly as the operator can move making for safe, rapid handling of your valuable product. By removing the need to "Manhandle" heavy loads the **MRT-500** reduces the risk of operator injury and fatigue making your work place safer and saving you money.

Among the many accessories offered are: Integral pneumatic roll pushers, anti-telescoping attachments, and auto-leveling systems.

\*See our Mandrel information for gripping options and mandrel sizes.

**MRT-500 Manual Roll Turner**

## MRT-500 Standard Features:

Fast and easy to use for all operators and skill levels.  
Infinite center-of-gravity adjustment maintains desired roll position.  
Turning properly balanced rolls can be nearly effortless!  
Ergonomic design with comfortable handles.  
Two-hand safety lock prevents unintentional rotation.  
Quick-change expanding mandrel holder.  
Change mandrel sizes in seconds without tools.  
Rugged steel construction with powder coated finish.  
Virtually maintenance free. Low ongoing operating costs.  
Made in U.S.A.

## MRT-500 Specifications:

Maximum load capacity: 500 lbs (227.3 kg).  
Maximum roll diameter: 50" (1270 mm).  
Center-of-gravity adjustment +/- 6" (150 mm).  
Machine weight: 81lb (37Kg).

## Options & Accessories:

Expanding mandrels 3" (76 mm) to 12" (304.8 mm).  
Pneumatic mandrel retract with switching.  
Bumper retract for roll loading and unloading.  
Core stops and extended mandrels for multiple rolls.  
Integrated hoist controls.  
Mounting brackets for hoist pendants & controls.  
Modular design.  
Custom configurations available.

**Minimize Risk. Maximize Profits!**

Distributed By:

Specifications and dimensions subject to changes without notice.  
Consult Schlumpf for current drawings! Published 04-2005.



innovation. performance. quality.



\*Upon Request

-Dimensions subject to change  
 -Custom configurations available

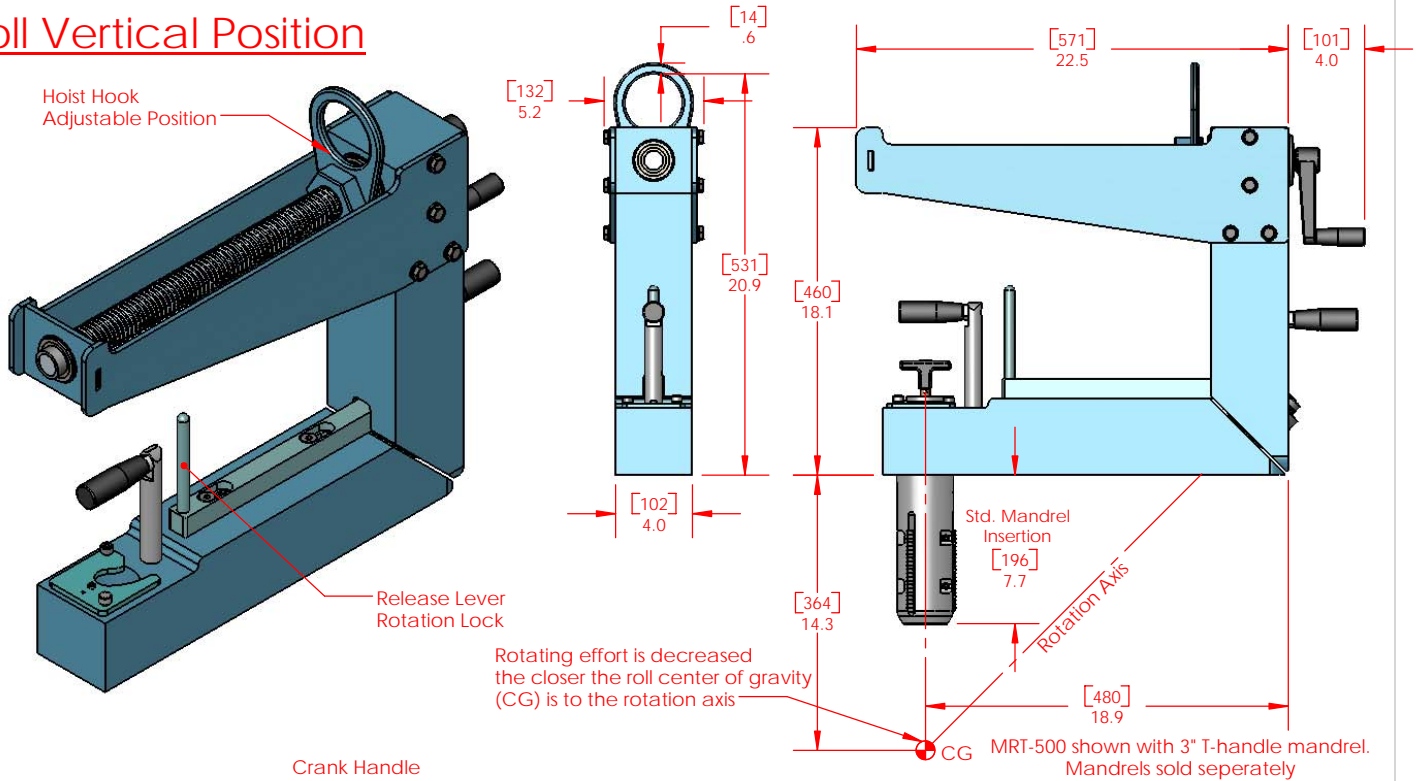
This model accepts interchangeable  
 lifting accessories to handle a variety of products.  
 See mandrel and tooling options page for details.

\*Unit dimensions and weight are determined at time of order.  
 \*Engineering approval drawing required prior to fabrication.

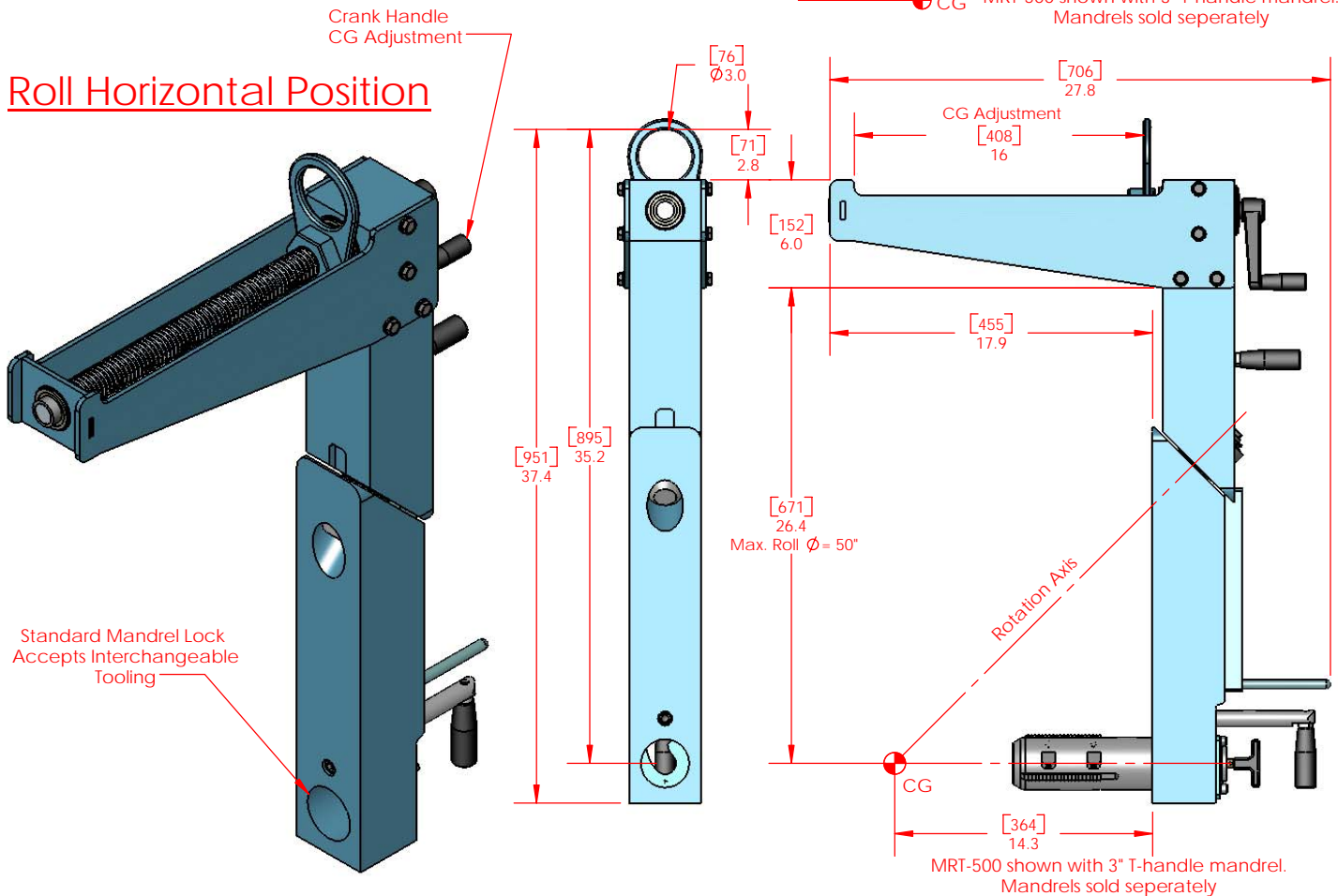
Unit shown weighs 811lb. (37 Kg.)  
 (Weight does not include mandrel)

The MRT-500 is a manual roll turner with a maximum load rating of 500lb (227kg). Specific machine capacity is determined using the roll weight and dimensions for each application and may limit capacity to less than maximum load rating.

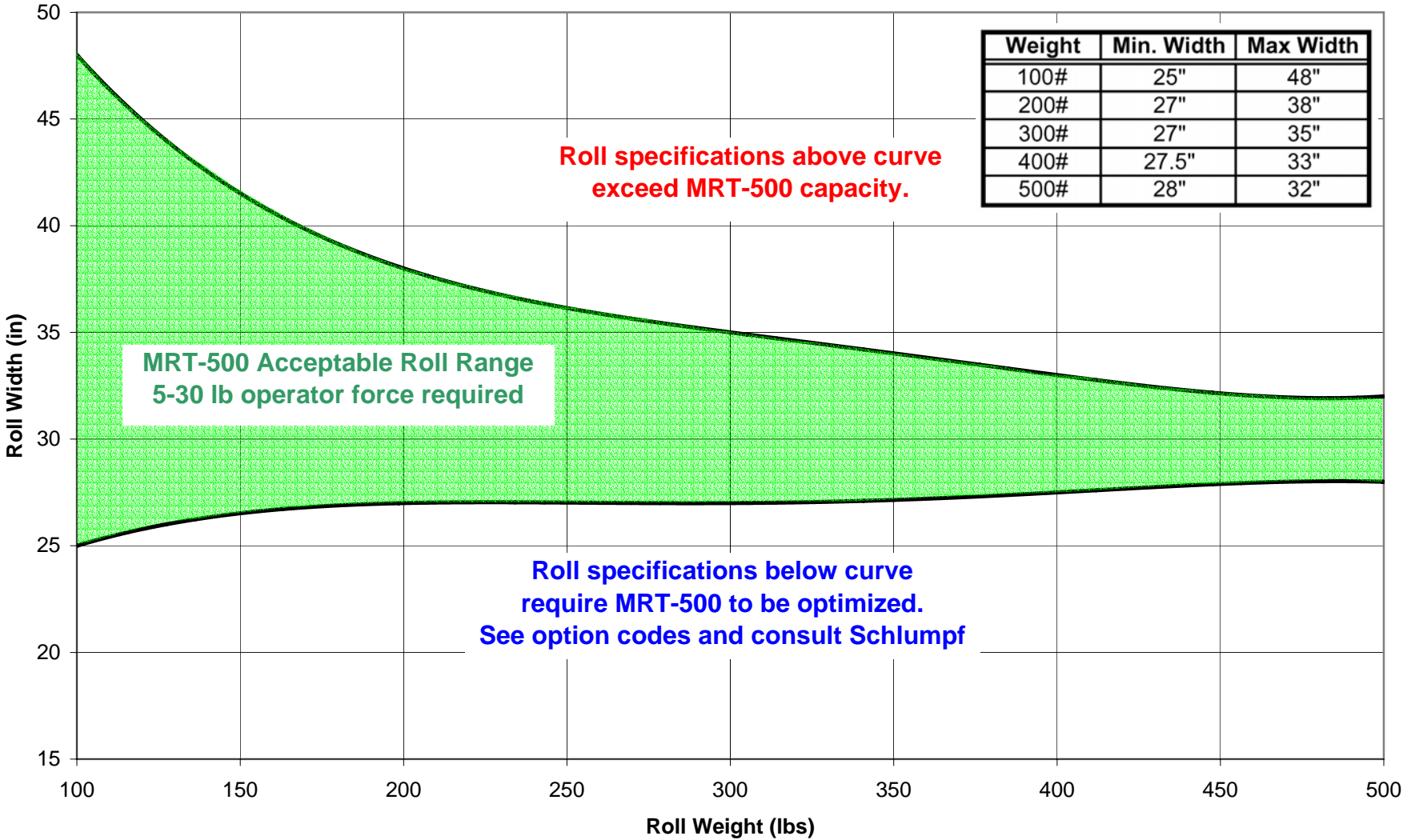
Roll Vertical Position



Roll Horizontal Position



# MRT-500 Capacity Chart



**MRT-500 Acceptable Roll Range**  
 5-30 lb operator force required

**Roll specifications above curve**  
 exceed MRT-500 capacity.

**Roll specifications below curve**  
 require MRT-500 to be optimized.  
 See option codes and consult Schlumpf