

Heavy-Duty Tyre Changer Family

Optimized for truck, bus, and heavy industrial vehicle tires



TCX625HD

TCX625HD is optimized for over the road truck tires ranging from 14.5 to 24.5 inches, including super singles.



TCX625PHD shown with optional V cover and ramps

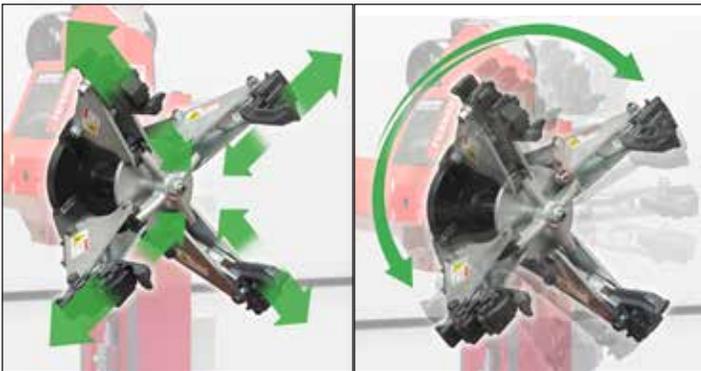


TCX625HD

CLAMP 0:18	BEAD BREAK 0:22	DEMOUNT 0:13	MOUNT 0:22	UNCLAMP 0:17
----------------------	---------------------------	------------------------	----------------------	------------------------

TOTAL
1:32

17% faster than other models



Tulip-Style Clamping

- ✓ Innovative clamp expands and contracts quickly
- ✓ Fast mounting with no damage to the wheel

Fast, Efficient, and Simple Controls

- ✓ Houses all user operations
- ✓ Pivots for easy access

Fast and easy demounting and mounting

Roll the wheel onto the carriage and move the carriage inward



Easy mounting shown using optional lever



- ✓ Loosen the beads using the rollers and lube.
- ✓ No hammers needed!

- ✓ Use standard aluminum or steel rim clamps to assist mounting.



- ✓ Quickly slide the carriage and spin the tire, rolling both beads off of the rim. It's that easy.

For many standard tyres, super-fast double bead mounting is possible.

Safety comes standard

The TCX625 functions close to the ground to keep heavy tyres at a safe height.



NO HAMMERS



NO BARS



NO LIFTING

TCX625HD Specifications

Heavy-duty tyre changer with 1-speed clamp rotation motor.

Models	Power req.
TCX625-2-1-6	230V, 1ph, 60Hz
TCX625-2-3-5	230V, 3ph, 50Hz
TCX625-2-3-6	230V, 3ph, 60Hz
TCX625-4-3-5	400V, 3ph, 50Hz
Min. center hole diameter	3.94 in.
Rim clamping capacity	14-26 in.
Wheel assembly capacity	
Max. diameter	55 in.
Max. width	27 in.
Max. weight	700 kg (1545 lbs.)
Speed	7.5 rpm clockwise and counter-clockwise
Torque	1370 Nm (1011 ft.-lbs.)
Shipping weight	net: 570 kg (1257 lbs.) gross: 600 kg (1323 lbs.)

TCX625HD Wheel Serviceability

Wide-Based ✓



✓ Semi-Truck



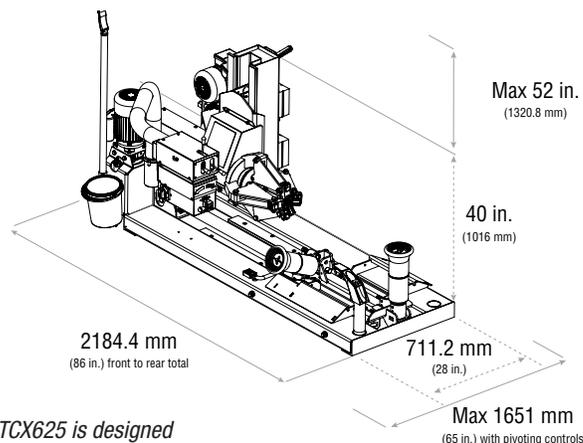
✓ 19.5 in.
✓ 17.5 in.



✓ Skid Steer



See TCX640/645HD for serviceability of implement and agricultural (loader) tyres.



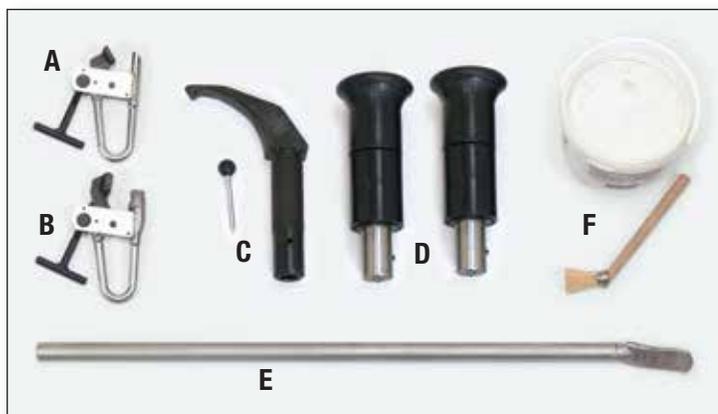
The TCX625 is designed to service truck-type tyres with angled bead seats. Passenger car and light-truck tyres cannot be serviced on this changer even if they are in the listed clamping range.

TCX625HD Standard Accessories

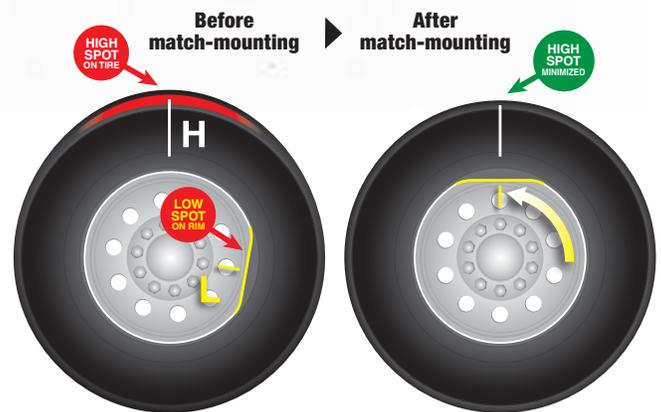
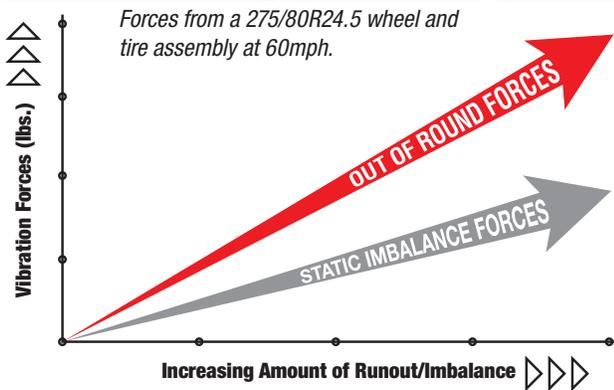
A	RP11-2005957	Steel wheel clamp
B	RP11-2306808	Alloy wheel clamp
C	RP11-2016652	Hook and hook pin
D	RP11-2016581	Bead roller (two pieces)
E	RP11-3006365	Bead lever
F	RP11-8-11400034	Mounting paste and brush

TCX625HD Optional Accessories

RP11-2016908	Bead-loosening disc
RP11-8-12100181	Mounting lever



TCX625HD Paired with ForceMatch® Makes Match-Mounting Easy!



- ✓ Match the high spot of tire to low spot of rim
- ✓ Makes assembly as round as possible



When combining ForceMatch® wheel balancer (left) with a heavy-duty tyre changer (right), their match-mounting capability achieves the smoothest possible ride.

TCX630HD

Designed for mounting and demounting truck, bus, and heavy industrial vehicle tyres quickly, safely, and effortlessly, servicing rims with center grooves, ring rims, and with or without inner tubes



Hand Control



Foot Control

Portable Controls

- ✓ Incorporates all the operating controls and permits the operator to choose the ideal working position
- ✓ Very sensitive and allow you to perform even small movements in the most precise way minimizing risk to the tire and rim
- ✓ Special safety protection prevents accidental use of the controls
- ✓ For maximum user safety, unit utilizes 24-volt low-tension electric power and is waterproof

Bead Breaking Turning Arm

- ✓ Bead breaking and tire mounting/demounting tools are incorporated into a single patented turning arm
- ✓ Reduces need to constantly change tools
- ✓ Bead-breaking disk is mounted on special bushes enhancing operational smoothness and endurance



Self-centering Clamping Spindle

- ✓ Hydraulic powered, two-way, all-wheel clamping spindle
- ✓ Can clamp any rim from 14 to 26 inches either through the center hole or on the inside
- ✓ Four clamping jaws grip any type of wheel in any position without slippage

Moving Platform

- ✓ Makes handling of the tire simple and uncomplicated
- ✓ Wide range of the carriage movement
- ✓ Reduces tool positioning requirements which decreases work time

Safety Mechanisms



- ✓ Non-return check valve on the self-centering clamp and a non-return check valve on the lifting cylinder — prevents wheel from falling if hydraulic circuit accidentally breaks down
- ✓ Mechanical device prevents tilting of the tool holding arm when the tool is removed
- ✓ Equipped with overload thermal switches to protect against overheating risk

TCX630HD Specifications

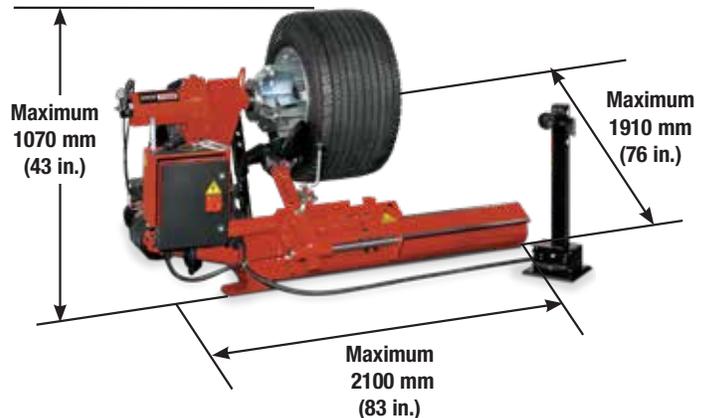
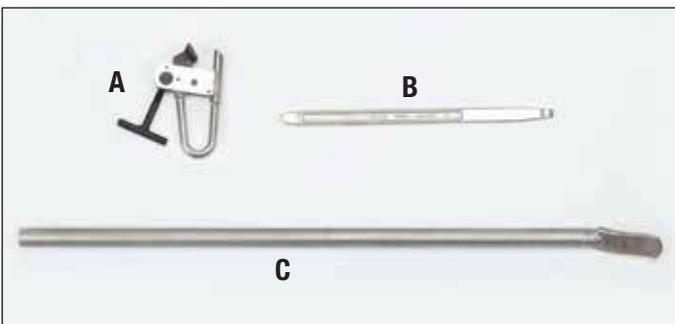
Heavy-duty tyre changer with 1-speed clamp rotation motor.

Models	Power req.
TCX630-4-3-5	400V-3ph-50hz
TCX630-4-3-6	400V-3ph-60hz
TCX630-2-3-5	230V-3ph-50hz
TCX630-2-3-6	230V-3ph-60hz

Min. center hold clamping	3.94 in.
Rim clamping capacity	14-26 in.
Wheel assembly capacity	
Max. diameter	63 in.
Max. width	30.7 in.
Max. weight	1200 kg (2646 lbs.)
Speed	4 rpm (single speed)
Torque	2400 Nm (1770 ft.-lbs.)
Shipping Weight	net: 600 kg (1323 lbs.) gross: 670 kg (1477 lbs.)

TCX630HD Standard Accessories

A	RP11-2005957	Steel wheel clamp
B	RP11-2105954	Standard lever
C	RP11-3006365	Bead lever



Some dimensions, capacities and specifications may vary depending on tire and wheel configurations.

TCX630HD Optional Accessories

RP11-2306040	Tubeless Roller (truck and bus wheels)
RP11-2105943	Bead Guide Lever
RP11-8-12100156	Set of jaws for alloy rims
RP11-2200040	Pair of bead clamps
RP11-2306808	Pliers for alloy rims
RP11-801237171	Anti-rotation pin for alloy wheels

TCX640HD / TCX645HD

A versatile general purpose tire changer suited for over the road truck tires as well as implement and agricultural tires.



TCX645HD
shown



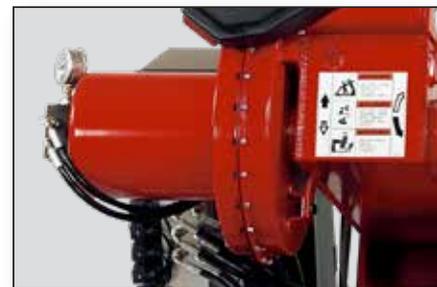
Tulip-Style Clamp

- ✓ Two-speed chuck rotation operates clockwise and counter-clockwise
- ✓ Standard clamping capacity of 14-46 in.



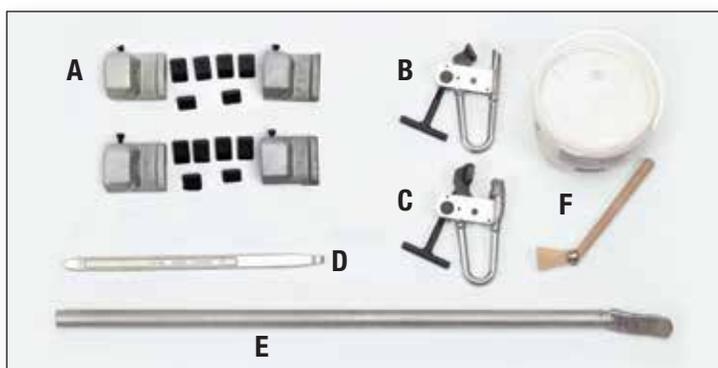
Operator-Friendly

- ✓ Mobile pedestal control unit
- ✓ Safe and efficient



Powerful and Efficient

- ✓ 1600-kg (3527-lb.) capacity spindle head lifts the wheel into position.
- ✓ Power pump runs only when the tyre changer is in use



TCX640/645HD Standard Accessories

A	RP11-8-12100156	Alloy wheel clamping jaws
B	RP11-2005957	Steel wheel clamp
C	RP11-2306808	Alloy wheel clamp
D	RP11-2105954	Standard lever
E	RP11-3006365	Bead lever
F	RP11-8-11400034	Mounting paste and brush

Productivity Features

Wireless Pedestal Control (optional on TCX645HD)

- ✓ Eliminates tripping hazard
- ✓ Allows operator greater range of movement around tyre changer
- ✓ Safe and efficient



Powered Shuttle Tool (standard on TCX645HD)



- ✓ Speeds service time
- ✓ Less operator effort

TCX640HD
shown



TCX640/645HD Optional Accessories

RP11-2306040	Tubeless roller
RP11-8-12100155	Clamp extensions to increase max. clamping size to 56 in.
RP11-801251904	Drop-center clamp
RP11-2105943	Bead guide bar
RP11-801227195	Aluminum wheel pliers
RP11-801237171	Anti-rotation pin for alloy wheels

TCX640/645HD Specifications

Heavy-duty tyre changer with 2-speed clamp rotation motor.

Models	Power req.
TCX640-4-3-5	400V-3ph-50hz
TCX640-4-3-6	400V-3ph-60hz
TCX640-2-3-5	230V-3ph-50hz
TCX640-2-3-6	230V-3ph-60hz
TCX645HD-235E	230V-3ph-50hz
TCX645HD-236E	230V-3ph-60hz
TCX645HD-435E	400V-3ph-50hz

Power rating

Pump motor	1.5 kW
Gearbox motor (2-speed)	1.3 - 1.8 kW

Min. center hold clamping	3.94 in.
----------------------------------	----------

Rim clamping capacity	14-46 in. or up to 56 in. with optional accessories
------------------------------	---

Wheel assembly capacity

Max. diameter	90.5 in.
Max. width	42 in.
Max. weight	1600 kg (3527 lbs.)

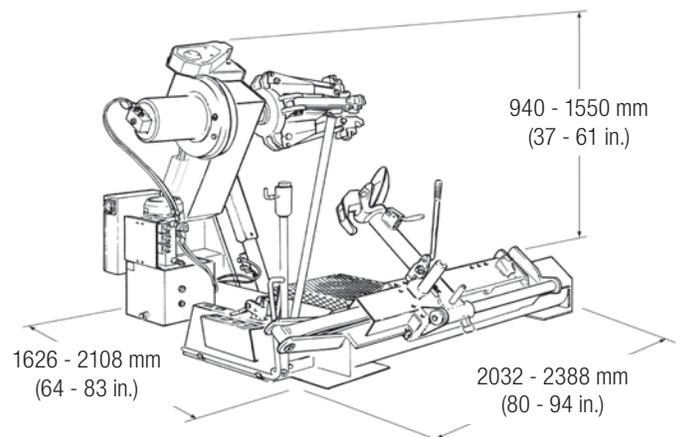
Speed

Low speed	4 rpm
High speed	8 rpm

Torque

Low speed	4300 Nm (3172 ft.-lbs.)
High speed	3000 Nm (2213 ft.-lbs.)

Shipping Weight	net: 860 kg (1896 lbs.) gross: 940 kg (2073 lbs.)
------------------------	--



TCX660HD

Large capacity for trucks, tractors, and other heavy-duty equipment



- ✓ Self-centering, tulip-style standard clamping capacity of 14-56 in.
- ✓ Two-speed rotation operates clockwise and counter-clockwise



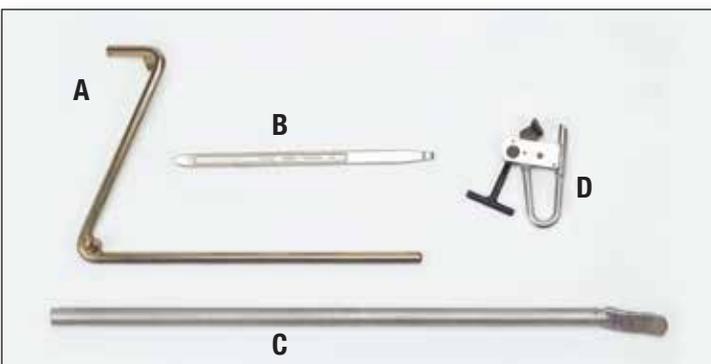
- ✓ Tulip-style clamp
- ✓ One- or two-speed chuck rotation operates clockwise and counter-clockwise



- ✓ Includes standard disk and hook tool head



- ✓ Operator-friendly mobile pedestal control unit
- ✓ Safe and efficient



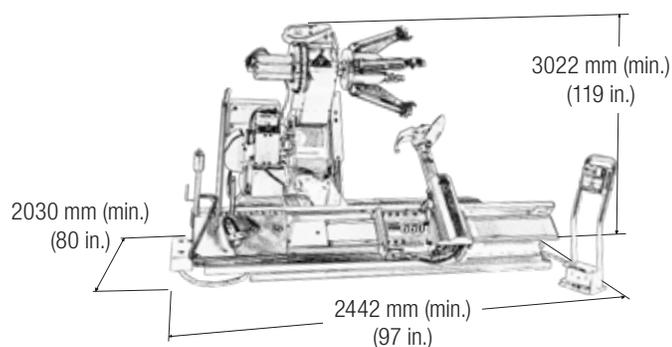
TCX660HD Standard Accessories

A	RP11-2105943	Bead guide lever
B	RP11-2105954	Standard lever
C	RP11-3006365	Bead lever
D	RP11-2005957	Steel wheel clamp

TCX660HD Specifications

Heavy-duty tyre changer with 2-speed clamp rotation motor.

Models	Power req.
TCX660-2-3-5	220V-3ph-50hz
TCX660-4-3-5	400V-3ph-50hz
Power ratings	
Pump motor	4.4-5.9 hp
Gearbox motor (2-speed)	2.5-3.4 hp
Min. center hold clamping	3.94 in.
Rim clamping capacity	14-56 in.
Wheel assembly capacity	
Max. diameter	102.4 in.
Max. width	59 in.
Max. weight	2500 kg (5511 lbs.)
Speed	5.25-10.5 rpm
Low speed	5.25 rpm
High speed	10.5 rpm
Torque	5150 Nm (3799 ft.-lbs.)
Shipping Weight	net: 1410 kg (3109 lbs.) gross: 1610 kg (3550 lbs.)



Mount and Demount with Ease

Tractor, implement, and other specialty wheel assemblies are serviced using the same tools and techniques on TCX630HD, TCX640/645HD, and TCX660HD models.



Position the wheel pliers and roll the first bead onto the rim. Reposition the pliers and roll the second bead on.



Bead loosening and demounting can be as easy as rolling the tyre off of the rim in a single step.



The standard hook tool is used to mount and demount tubed and super single tyres or more difficult-to-handle wheel assemblies.

TCX660HD Optional Accessories

RP11-801280918	Tubeless roller
RP11-8-12100155	Clamp extensions to increase max. clamping size to 56 in.
RP11-801251904	Drop-center clamp
RP11-801227195	Aluminum wheel pliers
RP11-8-12100156	Alloy wheel clamping jaws
RP11-801237171	Anti-rotation pin for alloy wheels

Heavy-Duty Tyre Changer Family Overview



TCX625HD

- ✓ Designed to service truck tyres with angled bead seats and functions close to the ground to keep heavy tyres at a safe height
- ✓ Innovative roller design provides fastest service for over-the-road truck tyres

Rim clamping capacity

14-26 in.

Wheel assembly capacity

Max. diameter	55 in.
Max. width	27 in.
Max. weight	700 kg (1543 lbs.)



TCX630HD

- ✓ Mount and demount truck, bus, and heavy industrial vehicle tyres quickly, safely, and effortlessly
- ✓ Services rims with center grooves, ring rims, and with or without inner tubes

Rim clamping capacity

14-26 in.

Wheel assembly capacity

Max. diameter	63 in.
Max. width	30.7 in.
Max. weight	1200 kg (2645 lbs.)



TCX640/645HD

- ✓ Tractor, implement, and other specialty wheel assemblies are serviced using the same tools and techniques
- ✓ Two-speed clamp rotation motor and hydraulic-powered carriage to shuttle wheel toward clamp

Rim clamping capacity

14-56 in.*

Wheel assembly capacity

Max. diameter	90.5 in.
Max. width	42 in.
Max. weight	1600 kg (3527 lbs.)



TCX660HD

- ✓ Largest capacity for trucks, tractors, and other heavy-duty equipment
- ✓ Self-centering, tulip-style clamp)
- ✓ One- or two-speed rotation operates clockwise and counter-clockwise

Rim clamping capacity

14-56 in.

Wheel assembly capacity

Max. diameter	102.4 in.
Max. width	59 in.
Max. weight	2500 kg (5511 lbs.)

*with optional accessories

Because of continuing technological advancements, specifications, models and options are subject to change without notice.

ForceMatch and HammerHead are registered trademarks of Hunter Engineering Company.

1019AH

Copyright © 2019, Hunter Engineering Company

HUNTER
Engineering Company

www.hunter.com

11250 Hunter Drive, Bridgeton, MO 63044, USA

Tel: 1-314-731-3020, Fax: 1-314-731-0132

Email: international@hunter.com

Form 7726-TE-05, 10/19
Supersedes Forms 5356-TE-05, 5357-TE-05, and 6837-TE-05