**R1150 LEVERLESS**

**TRUE LEVERLESS TIRE CHANGER WITH VARIABLE SPEED CONTROL**

No-lever action, hub mounting changer requires no tire tools and no metal to metal contact.

Simple to operate, simple to maintain using 2 button EASY CONTROLS.

Powerful changer uses a 220v inverter motor, so torque is always available when needed.

0-15 RPM VARIABLE SPEED CONTROL

The motor, which is equipped with an exclusive inverter that regulates rotational speed, offers the operator customizable speed control. Rotational speed slows as the stress on the bead increases, avoiding any damage to the tire.

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**FEATURES**

- Quick locking wheel centering adapter
- Locking system suitable for reverse rims
- Full range of bead clamps and adapters

**Patented AUTO-TOUCH FUNCTION**

Service the most challenging tire and wheel combinations - low profiles, runflats, exotic rims and other specialty jobs.

Change difficult light truck combinations such as 17.5” and 19.5” super duty wheels using optional centering adapter VSG1000A15.

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**EASY ROLLER BEAD-BREAKING FEATURE**

- Bead-breaking in correct position
- Easy rotation of the roller
- Automatic roller side-movement
- Memorized position for bead breaking of lower side

**TIRE DEMOUNTING**

- The tool enters between bead and rim
- Levering on the rim, the tool pulls up the bead, minimizing tire stress

**TIRE MOUNTING**

Safe and easy mounting with plastic tool, roller and rotating helper PLUS93

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**OPTIONAL ACCESSORIES**

- VSG1000A87 Universal flange for reverse, and Chrome Clad wheels
- VSG1000A123 Plastic/Chrome Clad adapter for clamping wheels through locking holes
- VSG1000A152 Light truck adapter for centering locking tire changer - 19.5” wheels
- VSG1000A118 Match mounting roller
- VSG1000A86 Reposition-able mirror
- VSG1000A135 Bead breaker

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**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>R1150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handle wheels from*</td>
</tr>
<tr>
<td>Maximum tire width</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
</tr>
<tr>
<td>Bead breaker power (each arm)</td>
</tr>
<tr>
<td>Bead breaker movement</td>
</tr>
<tr>
<td>Rotation motor</td>
</tr>
<tr>
<td>Recommended air supply</td>
</tr>
<tr>
<td>Power supply**</td>
</tr>
</tbody>
</table>

* 3-position base can be adjusted to fit larger wheels up to 30”
**SHIPS WITH NEMA L6 - 20 PLUG
R247D.CL

CENTER LOCKING

HIGH VOLUME SWING ARM CHANGER

Center post design and productivity features make this the go-to pro performance swing arm tire changer for the busiest tire centers.

Easy to use center post mounting increases productivity and reduces the risk of wheel damage. Comes standard with metal and plastic mounting and demounting heads.

FEATURES

• Quick locking wheel centering system
• Integrated wheel lift
• Lower bead lifting roller
• Pneumatic top bead pressing tool
• Hand controlled side bead breaker
• 220v drive motor provides needed torque
• Storage cabinet
• Tire paste lubricant and brush

OPTIONAL ACCESSORIES

VSG1000A87
Universal flange for reverse, and Chrome Clad wheels

VSG1000A102
5 stud kit 110mm long for reverse rims. Used with VSG1000A87

VSG1000A123
Plastic/Chrome Clad adapter for clamping wheels through locking holes

VSG1000A101
Bead tire lever

VSG1000A108
Bead pushing roller

R145 / R145DR

AUTOMATIC TILTBACK CHANGERS

High performance, top-of-the-range tire changers model with double-acting bead breaker cylinder. Designed for low-profile and large-sized steel or alloy rims. Works easily on any wheel up to a maximum width of 17”.

FEATURES

• 2 position centering lock / 10”-26” range
• Double synchronization for load distribution
• Adjustable tool guide for alloy rim protection
• Bolt caps to prevent hooking of air hoses
• Integrated helper arm included
• Lower bead lifting roller
• Pneumatic top bead pressing tool
• Filter / Tire paste lubricant and brush

R145DR TILTBACK VSC / Variable Speed Control

Invemotor 0-16 Variable Speed Control

Designed with an innovative electrical motor inverter, techs are able to regulate the chucking table rotation speed to reduce the stress on the bead to avoid any damage to the tire. 220V drive motor. Model features a hand-controlled bead breaker.

R145DR FI Configuration / Quick inflation for tubeless tires, includes gauge

STANDARD ACCESSORIES

VSG800A117 (2 x kit)
Tool protection kit for metal mount / demount head

VSG800A06 (24” – 26”)
Clamp Protectors (4 pcs)

VSG800A26
Blade with adjustment inclination. Allows to break the bead at the correct angle. 145D Model.

OPTIONAL ACCESSORIES

SMALL WHEEL ADAPTER VSG800A111
Reduces clamping capacity to 8” for ATVs and lawn equipment tires.

- requires VSG800A107 wheel clamps

VSG800A107 Motorcycle Adapters
Wheel reducer adapters, -2”, -4” from outside

VARIABLE SPEED CONTROL INVERTER

Regulates rotational speed by slowing as the stress on the bead increases avoiding any damage to the tire. The double-acting bead breaker cylinder is designed to work on low-profile and large steel or alloy rims.

TECHNICAL DATA

R247D.CL

Rim clamping 10”-30”
Maximum rim width 15”
Maximum tire diameter 47”
Max. bead breaker opening 15”
Bead breaker cylinder power at 145 psi 6,745 LBS
Rotation motor 2Hp / 1,5 Kw invemotor
Recommended air supply 115-145 PSI / 8-10 bar
Power supply* 220v / 1Ø / 60 Hz
VARIABLE SPEED

*SHIPS WITH NEMA L6 - 20 PLUG

VARIABLE SPEED

CONTROL INVERTER

Regulates rotational speed by slowing as the stress on the bead increases avoiding any damage to the tire. The double-acting bead breaker cylinder is designed to work on low-profile and large steel or alloy rims.

TECHNICAL DATA

R145 / R145DR

Chuck rotation speed (rev/min) 0-16 rpm / 7,3 rpm (D version)
7,3 rpm (110v version)
Maximum torque to chuck 885 Ft/Lbs (1200 Nm)
Self-centering lock: external 10”- 26”
Self-centering lock: internal 12”- 28,5”
Tool working span 8”- 32”
Maximum tire diameter 45” (1143mm)
Maximum tire width 17” (431mm)
Bead breaker cylinder power at 145 psi 6,745 Ft/Lbs (3060 kg)
Maximum torque 885 (C version)
Motor
Power supply (Model 145)
110v / 1Ø / 60 Hz / 1Hp
Power supply* (Model 145DR)
220v / 1Ø / 60 Hz / 1 Hp

*SHIPS WITH NEMA L6 - 20 PLUG

TECHNICAL DATA

R145 / R145DR

Chuck rotation speed (rev/min) 0-16 rpm / 7,3 rpm (D version)
7,3 rpm (110v version)
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Maximum torque 885 (C version)
Motor
Power supply (Model 145)
110v / 1Ø / 60 Hz / 1Hp
Power supply* (Model 145DR)
220v / 1Ø / 60 Hz / 1 Hp

*SHIPS WITH NEMA L6 - 20 PLUG
R146R

SWINGARM PRO

HIGH PERFORMANCE

HIGH VOLUME

Extra-height speedchanger.
Hand controlled bead breaker with a 110v drive motor provides needed torque for difficult assemblies. The gear box is installed between two steel plates avoiding flex.

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
<th>R146</th>
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<tbody>
<tr>
<td>External clamping</td>
<td>10” - 26”</td>
</tr>
<tr>
<td>Maximum torque to chuck</td>
<td>885 ft-lb (1200 Nm)</td>
</tr>
<tr>
<td>Internal clamping</td>
<td>12” - 26.5”</td>
</tr>
<tr>
<td>Max. tire diameter</td>
<td>46” (1200 mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>15” (380 mm)</td>
</tr>
<tr>
<td>Max. bead breaker opening</td>
<td>15” (380 mm)</td>
</tr>
<tr>
<td>Bead breaker cylinder power at 145 psi</td>
<td>6,745 ft-lb (3060 kg)</td>
</tr>
<tr>
<td>Power supply</td>
<td>110v / 1Ø / 60 Hz</td>
</tr>
</tbody>
</table>

FEATURES

- Hand controlled bead breaker
- Extra large 46” frame
- Air tank located in column
- Removable pedal assembly for maintenance
- Valve tray
- Tire paste lubricant and brush

VSG800A117 (2 x kit)
Tool protection kit for metal mount / demount head

VSG800A11 Qty. of 1
Bead breaker protection

VSG800A11K Qty. of 5

OPTIONAL ACCESSORIES

SMALL WHEEL ADAPTER VSG800A11
Reduces clamping capacity to 8” for ATVs and lawn equipment tires.
- requires VSG800A107 wheel clamps

VSG800A107 Motorcycle Adapters
Wheel reducer adapters, -2”, -4” from outside

R146RP

Hand Controlled with Helper Arm

INCLUDES PLUS91SA AIR-DRIVEN HELPER ARM*

Bead top pressing and tire lifting device for large and special tires.
P Models feature a lower bead lifting roller and pneumatic top bead pressing tool.

*PLUS91SA FOR R146RP IS NOT INSTALLED PRIOR TO DELIVERY.

R146RA

Hand Controlled / Air Motorized Changer

with Plus91SA Helper / Air Motorized Changer

R146RAP

Hand Controlled / Air Motorized Changer

WITH PLUS91SA HELPER ARM

VSG800A117 (2 x kit)
Tool protection kit for metal mount / demount head

VSG800A6 (24” - 26”)
Clamp Protectors (4 pcs)

VSG800A11 Qty. of 1
Bead breaker protection

VSG800A11K Qty. of 5

OPTIONAL ACCESSORIES

SMALL WHEEL ADAPTER VSG800A11
Reduces clamping capacity to 8” for ATVs and lawn equipment tires.
- requires VSG800A107 wheel clamps

VSG800A107 Motorcycle Adapters
Wheel reducer adapters, -2”, -4” from outside

R140i

SWINGARM SHOP

TOP QUALITY / ENTRY LEVEL PRICE

Heavy duty swing arm structure with exclusive 110v single speed motor provides needed torque and the rigid self-centering chuck with wide clamping range handles a variety of needs. Equipped with galvanized, double-operating bead breaker cylinder.

FEATURES

- Tire Diameters of 40”
- 22” Outside Clamping
- 24” Inside Clamping
- Removable pedal assembly for easy maintenance
- Tire paste lubricant and brush

OPTIONAL UPGRADE

PLUS91N HELPER ARM

Bead top pressing and tire lifting device for large and special tires.

OPTIONAL MOTORCYCLE WHEEL CLAMPS

VSG800A99

+ 5” from the outside for 20” - 22” tables

TECHNICAL DATA | R140i |
<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>External clamping</td>
<td>11” - 22”</td>
</tr>
<tr>
<td>Internal clamping</td>
<td>13” - 24.5”</td>
</tr>
<tr>
<td>Max. tire diameter</td>
<td>46.5” (1180 mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>12” (305 mm)</td>
</tr>
<tr>
<td>Max. bead breaker opening</td>
<td>15” (380 mm)</td>
</tr>
<tr>
<td>Bead breaker force</td>
<td>6,745 ft-lb (3060 kg)</td>
</tr>
<tr>
<td>Rotation speed</td>
<td>7.3 rpm</td>
</tr>
<tr>
<td>Max. torque turntable</td>
<td>885 ft-lb (1200 Nm)</td>
</tr>
<tr>
<td>Power supply</td>
<td>110v / 1Ø / 60 Hz</td>
</tr>
</tbody>
</table>

VSG800A111 SMALL WHEEL ADAPTER
Reduces clamping capacity to 8” for ATVs and lawn equipment tires. Use with rim clamp tire changers only - requires VSG800A99 wheel clamps.

VSG800A117 (2 x kit)
Tool protection kit for metal mount / demount head

VSG800A11 Qty. of 1
Bead breaker protection

VSG800A11K Qty. of 5

OPTIONAL ACCESSORIES

SMALL WHEEL ADAPTER VSG800A11
Reduces clamping capacity to 8” for ATVs and lawn equipment tires.
- requires VSG800A107 wheel clamps

VSG800A107 Motorcycle Adapters
Wheel reducer adapters, -2”, -4” from outside
R501PLUS
SPEEDCHANGER HD
PATENTED/ SUPER FAST TIRE CHANGER
Dismount and mount a truck tire in 30 seconds.
A patented operating system with four rollers positioned on both sides of the wheel in opposite positions. Simple tire dismounting: while the front bead-breakers keep the bead in the drop center, the rear breakers continue their course until the dismounting is complete. The bead-breakers are supported by two separately controlled arms and each has two rollers: one conical which pushes on the bead and one cylindrical which pushes the side of the tire.

FEATURES
• Adjustable arm position
• Quick loading
• Hydraulic clamping / chucking table
• Stand-by function
• No noise when not in operation
• Hydraulic controls
• Plastic bead breakers protect rim
• VSG108A3 lever
• Tire paste lubricant and brush

TECHNICAL DATA
<table>
<thead>
<tr>
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<th>R501PLUS</th>
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</thead>
<tbody>
<tr>
<td>Chucking unit rotation motor</td>
<td>2.7 Hp / 2 kW</td>
</tr>
<tr>
<td>Hydraulic drive unit motor</td>
<td>1 Hp / 1.5 kW</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>52&quot; (1320mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>21&quot; (540mm)</td>
</tr>
<tr>
<td>Bead breaker power</td>
<td>13,300 Ft/lbs / 18000 N</td>
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<tr>
<td>Maximum assembly weight</td>
<td>2,645 lbs / 1200 kg</td>
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<td>Chuck rotation speed (rev/min)</td>
<td>8</td>
</tr>
<tr>
<td>Max. torque to chuck</td>
<td>986 Ft/lbs / 2000 Nm</td>
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<tr>
<td>Power supply</td>
<td>220v / 3Ø / 60 Hz</td>
</tr>
</tbody>
</table>

R560
MOBILE HD
WORKSHOP SERVICE
Easy to use changer.
This easy-to-use changer is designed for closed vans or small workshops. Controls are protect ed on changer console and the hydraulic clamping and chucking table are suitable for agricultural tires with optional VSG108A22 wheel disc.

FEATURES
• Hydraulic clamping / chucking table
• Hydraulic up / down movement
• 4" minimum clamping - 13" minimum height
• Standard aluminum tool for tube tires
• VSG108A3 lever
• Tire paste lubricant and brush

TECHNICAL DATA
<table>
<thead>
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<tbody>
<tr>
<td>Chucking unit rotation motor</td>
<td>1.5 Hp / 1.1 kW</td>
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<tr>
<td>Hydraulic drive unit motor</td>
<td>2.7 Hp / 2 kW</td>
</tr>
<tr>
<td>Rim diameter</td>
<td>11&quot; - 22&quot;</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>51&quot; (1300mm)</td>
</tr>
<tr>
<td>Max. tire width</td>
<td>37.4&quot; (950mm)</td>
</tr>
<tr>
<td>Bead breaker power</td>
<td>3,597 Ft/lbs / 16000 N</td>
</tr>
<tr>
<td>Maximum assembly weight</td>
<td>2,645 lbs (1200 kg)</td>
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<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>8</td>
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<tr>
<td>Max. torque to chuck</td>
<td>1250 Ft/lbs (1700 Nm)</td>
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<tr>
<td>Power supply*</td>
<td>220v / 1Ø / 60 Hz</td>
</tr>
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</table>

SERVICE TIRE DIAMETERS UP TO 52”
OPTIONAL ACCESSORIES
VSG90A6 Aluminum rim clamp
VSG108A24 Disc for wheels with lock ring / agricultural wheels

SERVICE TIRE DIAMETERS UP TO 51”
OPTIONAL ACCESSORIES
VSG90A6 Aluminum rim clamp
VSG108A22 Disc for wheels with lock ring
R511
COMMERCIAL HD
SUPER DUTY CHANGER
SERVICE TRUCK, BUS, SUPER SINGLE, AGRICULTURAL and LOCK RING.

The operating dimensions of the clamping unit and the head-tool carriage of this heavy-duty tire changer allows it to service a wide range of wheels. The controls enable users to regulate the speed of the tool holding carriage with lever type hydraulic distributions.

FEATURES
- Rotational control on portable wired stand
- Cable control unit
- Quick locking manual rotation tool
- Patented VSG108A3 bead lever
- Tire paste lubricant and brush

TECHNICAL DATA R511

<table>
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<th>Feature</th>
<th>Specification</th>
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<tr>
<td>Chucking unit rotation motor</td>
<td>3/4 hp / 2.2 kW</td>
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<tr>
<td>Hydraulic drive unit motor</td>
<td>1/4 hp / .75 kW</td>
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<tr>
<td>Rim diameter</td>
<td>11&quot; - 27&quot;</td>
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<tr>
<td>Maximum tire diameter</td>
<td>64&quot; (1640mm)</td>
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<tr>
<td>Maximum tire width</td>
<td>36.4&quot; (925mm)</td>
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<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>8</td>
</tr>
<tr>
<td>Power supply</td>
<td>220v / 1Ø / 60 Hz</td>
</tr>
</tbody>
</table>

SERVICE TIRE DIAMETERS UP TO 64"

HYDRAULIC CLAMPING
4" (90mm) Min. clamping
13" (330mm) Min. height

VSG108A2
Standard clamp protections for alloy rims / 4 x kit

VSG108A3
Tire Lever

R541
COMMERCIAL HD
LEVERLESS SINGLE CARRIAGE MOVEMENT
ELECTROHYDRAULIC CHANGER FOR TRUCKS, AGRICULTURAL AND EARTHMOVING VEHICLES.

The dimensions and work strokes ensure maximum efficiency for an entire range of tires. The two-speed rotation chucking table can accommodate rims up to 44" and 56" (with VSG108A12 extensions set). With leverless action, the tool operates between bead and rim, pulls up the bead and de-mounts the tire.

FEATURES
- Cable control unit
- Rotational control on portable wired stand
- Double ratcheting locking arm
- Double speed for chucking table rotation
- Patented VSG108A3 bead lever
- Tire paste lubricant and brush

TECHNICAL DATA R541

<table>
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<th>Feature</th>
<th>Specification</th>
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<tr>
<td>Chucking unit rotation motor</td>
<td>1.75 hp / 1.33 kW</td>
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<tr>
<td>Hydraulic drive unit motor</td>
<td>2.95 hp / 2 kW</td>
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<tr>
<td>Rim diameter</td>
<td>11&quot; - 43&quot;</td>
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<tr>
<td>With VSG108A12 adapters</td>
<td>44&quot; - 56&quot;</td>
</tr>
<tr>
<td>Maximum tire diameter</td>
<td>90.5&quot; (2300mm)</td>
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<tr>
<td>Maximum tire width</td>
<td>51&quot; (1300mm)</td>
</tr>
<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>4 - 8</td>
</tr>
<tr>
<td>Power supply</td>
<td>220v / 3Ø / 60 Hz</td>
</tr>
</tbody>
</table>

SERVICE TIRE DIAMETERS UP TO 90"

LEVERLESS OPERATION
TUBING and TUBELESS TIRES

VSG108A2
Standard clamp protections for alloy rims / 4 x kit

VSG108A2
Standard clamp protections for alloy rims / 4 x kit

LEVERLESS OPERATION TUBE and TUBELESS TIRES
EXTREME HD
UNIVERSAL TIRE CHANGER FOR EXTREME WHEEL DIMENSIONS

SPECIAL ORDER ELECTROHYDRAULIC CHANGER FOR TRUCKS, AGRICULTURAL AND EARTHMOVING VEHICLES.

HIGH BEAD BREAKING FORCE
The considerable bead breaking force makes mounting and demounting tires effortless.

MULTIPLE ADJUSTABLE GUIDES
The electro-brake allows immediate stopping of the rotation to avoid any damage to tires.

STAND-BY FUNCTION
After 5 sec. the machine has not been used, the motor will turn off.

FEATURES
• Console cable control unit with metal sheath
• Double speed table rotation
• Quick locking manual rotation tool
• B530800 long bead lifting lever
• VSG108A25 / clamp for earth-moving wheels
• Tire paste lubricant and brush

OPTIONAL ACCESSORIES
VSG108A2 Standard clamp protections for alloy rims / 4 x kit
VSG108A3 Tire Lever

HYDRAULIC CLAMPING
4” (90mm) min. clamping
13” (330mm) min. height
19” and 22.5” truck wheels

SERVICE TIRE DIAMETERS UP TO 106”

TECHNICAL DATA

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<td>Chucking unit rotation motor</td>
<td>2.95 Hp / 2.2 kW</td>
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<tr>
<td>Hydraulic drive unit motor</td>
<td>3.35 Hp / 2.5 kW</td>
</tr>
<tr>
<td>Rim diameter</td>
<td>11” - 50”</td>
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<td>With VSG108A39 adapters</td>
<td>51” - 60”</td>
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<tr>
<td>Maximum tire diameter</td>
<td>106” (2700mm)</td>
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<td>Maximum tire width</td>
<td>60” (1750mm)</td>
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<tr>
<td>Chuck rotation speed (rev/min)</td>
<td>1 - 5 - 10</td>
</tr>
<tr>
<td>Power supply</td>
<td>220v / 3Ø / 60 Hz</td>
</tr>
</tbody>
</table>

OPTIONAL COMMERCIAL HD ACCESSORIES

VSG108A12 (4 x kit)
Set of extensions to increase clamping capacity
For R541 changer

VSG108A39 (4 x kit)
Extensions for R573 changer

VSG108A25 Clamp
for steel wheels

VSG90A6 Clamp
for alloy wheels

VSG108A34
Pneumatic bead pushing device

BS308000
Long bead lifting lever
Rotary's line of premium equipment is manufactured to the highest standards of quality and durability to help you perform the job right the first time, every time.

Offer your customers top quality tire and wheel service by putting Rotary to work for you.

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For additional information:
rotarylift.com/Government-Purchasing-Assistance/