



High performance machines for metal mill maintenance





Heavier Telescopic Boom

Heavier Main Boom

WHEELED UNDERCARRIAGES

EXTRA MOBILITY TO HANDLE MANY JOBS IN BUSY METAL MILLS

Stainless Steel Braided

Hose With Fire Sleeves

- Heat-resistant foam-filled or solid tires
- Easy maneuverability
- Heat-resistant shields protect tires
- Can be hoisted using single-point yoke
- Work in any direction without outriggers
- Up to 18 mph travel speed

Internal Metal Hose

and Tube Clamps

High Temperature Glass

Special Window Guards

SPECIFICATIONS

WHEELED	XL 3310 V	XL 4310 V	XL 5310 V	XL 7310 V
Engine Std.	Volvo TAD551 VE, Tier III*			
HP @ RPM	172/2000	173/2200	173/2200	173/2200
Max. Radius at Groundline	28′ 2″ (8.6)	31′ 3″ (9.5)	34′ 9″ (10.6)	47′ 10″ (14.6)
Max. Work Height, Boom Below Grade	14′ 11″ (4.5)	14′ 11″ (4.5)	14′ 11″ (4.5)	14′ 3″ (4.3)
Boom Telescope	11′ 0″ (3.4)	12′ 6″ (3.8)	14′ 0″ (4.3)	13′ 6″ (4.1)
Boom Tilt	360°	360°	360°	360°
Tool Pivot Angle	165°	165°	165°	114°
Rated Boom Force	22,075 lb (98.2kN)	22,075 lb (98.2kN)	24,941 lb (111kN)	27,700 lb (123.2kN)
Operating Weight	42,294 lb (19,184 kg)	46,580 lb (21,128 kg)	55,926 lb (25,368 kg)	77,500 lb (35,153 kg)
Swing Clearance	7′ 6″ (2.3)	8′ 0″ (2.4)	8′ 6″ (2.6)	10′ 0″ (3.0)
Transport Length w/ Scaling Hook	24′ 0″ (7.3)	26′ 0″ (7.9)	28′ 4″ (8.6)	43′ 0″ (13.1)
Transport Height w/ Scaling Hook	11′ 6″ (3.5)	11′ 6″ (3.5)	11′ 6″ (3.5)	13'8" (4.2)
Transport Width	9′ 0″ (2.7)	9′ 0″ (2.7)	9′ 0″ (2.7)	13'4" (4.1)
Travel Speed-MPH	12 (19.3 kph)	12 (19.3 kph)	12 (19.3 kph)	11 (17.7 kph)
Wheelbase	8′ 9″ (2.7)	8′ 9″ (2.7)	8′ 9″ (2.7)	12′ 6″ (3.8)
Ground Clearance	11" (275 mm)	11" (275 mm)	11" (275 mm)	1′ 4″ (0.4 m)

Additional Cab Mounts

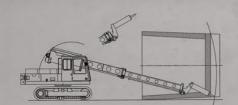
- 42,294 lb (19,184 kg)
- 28' 2" (8.6 m) reach
- » 19' 2" (5.6 m) dig depth



Heavier Boom Cradle

- 46,580 lb (21,128 kg)
- 31' 3" (9.5 m) reach
- 22' 1" (6.7 m) dig depth

XL 4310 V



Ladle Maintenance

Clean the bottom and side walls in hot condition

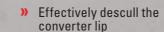
- Debrick the wear lining, while not damaging the permanent lining
- Rake and remove slag from hot metal, with a minimum loss of metal
- Push out and remove plug at the base of ladle

Heat Shields

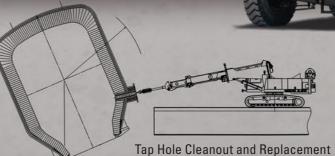


XL 5310 V

- 55,926 lb (25,368 kg)
- 34' 9" (10.6 m) reach
- 25' 5" (7.7 m) dig depth



- » Clean and replace tap holes
- » Clean, debrick, repair and drill tap holes in converters



Hydraulic tap hole drill attachment can drill out a tap hole in five minutes

(L 7310 V

77,500 lb (35,153 kg)

47' 10" (14.6 m) reach

6' 2" (1.9 m) max dig depth

New tap hole insert tool reduces overall tap hole replacement time

SPECIFICATIONS

CRAWLER	XL 3210 V	XL 4210 V	XL 5210 V	XL 7210 V
Engine Std.	Volvo TAD551 VE, Tier III*			
HP @ RPM	172/2000	173/2200	173/2200	173/2200
Max. Radius at Groundline	28′ 4″ (8.6)	31′ 5″ (9.6)	34′ 10″ (10.6)	48′ 1″ (14.7)
Max. Work Height, Boom Below Grade	14′ 2″ (4.3)	14′ 2″ (4.3)	14′ 2″ (4.3)	12′ 10″ (3.9)
Boom Telescope	11′ 0″ (3.4)	12′ 6″ (3.8)	14′ 0″ (4.3)	13′ 3″ (4.0)
Boom Tilt	-360°	360°	360°	360°
Tool Pivot Angle	165°	165°	165°	114°
Rated Boom Force	22,075 lb (98.2kN)	22,075 lb (98.2kN)	24,941 lb (111kN)	27,700 lb (123.2kN)
Operating Weight	44,327 lb (20,106 kg)	48,862 lb (22,000 kg)	59,162 lb (26,835 kg)	77,000 lb (34,927 kg)
Swing Clearance	7′ 6″ (2.3)	8′ 0″ (2.4)	8' 6" (2.6)	10′ 0″ (3.0)
Transport Length w/ Scaling Hook	23′ 11″ (7.3)	25′ 11″ (7.9)	28′ 4″ (8.6)	43′ 3″ (13.2)
Transport Height	10′ 9″ (3.3)	10′ 9″ (3.3)	10′ 9″ (3.3)	13′ 3″ (4.0)
Transport Width – Wide	9′ 0″ (2.7)	10′ 6″ (3.2)	10′ 6″ (3.2)	11′ 1″ (3.4)
Transport Width – Narrow	9′ 0″ (2.7)	9′ 10″ (3.0)	9′ 10″ (3.0)	N/A
Travel Speed-MPH	3.4 (5.5 kph)	3.4 (5.5 kph)	3.4 (5.5 kph)	2.4 (3.9 kph)
Track Length	11′ 9″ (3.6)	13′ 8″ (4.2)	13′ 8″ (4.2)	15′ 4″ (4.7)
Pad Width – Narrow	19.7" (500 mm)	23.6" (600 mm)	23.6" (600 mm)	N/A
Pad Width – Wide	23.6" (600 mm)	31.5" (800 mm)	31.5" (800 mm)	31.5" (800 mm)
Ground Bearing Pressure – Narrow	10.1 psi (69.6kPa)	7.7 psi (52.8 kPa)	9.3 psi (64.1 kPa)	N/A
Ground Bearing Pressure – Wide	8.5 psi (58.6kPa)	5.8 psi (40.2 kPa)	7.1 psi (48.9 kPa)	8.2 psi (56.5 kPa)

Metric units are meters (m) unless noted. * Optional TAD571 VE Tier 4F

XL 5210 V

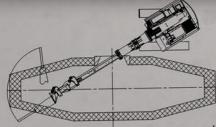
- 59,162 lb (26,835 kg)
- 34' 10" (10.6 m) reach
- 26' 2" (8.0 m) dig depth

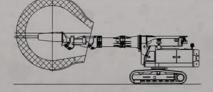
XL 3210 V

- 44,327 lb (20,106 kg)
- 28' 4" (8.6 m) reach
- » 19' 11" (6.1 m) dig depth



TORPEDO LADL





- Hot Metal Transfer Car Cleanout
- » Maintain hot metal troughs by removing hard slag
- Clean out refractory brick
- » Topedo car cleanup

CRAWLER UNDERCARRIAGES

A STABLE WORK PLATFORM ON ANY SURFACE

- Excellent maneuverability and traction
- Track resistant to hot metal
- New thicker grouser pads for side loading
 - Can be hoisted using single-point yoke

Heavier Telescopic Boom

360° Continuous Boom Rotation

Roof Window Guard

High Temperature Glass

GRADALE XL 4210

Double Boom Rollers

Pin-on 4-bar Linage

Stainless Steel Braided Hose with Fire Sleeves

Heavier Frame with Lateral Support

XL 7210 V

XL 4210 V

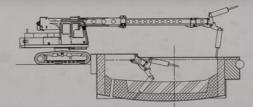
48,862 lb (22,000 kg)

31' 5" (9.6 m) reach

22' 10" (7.0 m) dig depth

- 77,000 lb (34,927 kg)
- 48' 1" (14.7 m) reach
- 10' 4" (3.1 m) max dig depth

ELECTRIC FURNACES



- Electric Arc Furnace Lining Removal
- Clean and replace tap holes
- Debrick and remove refractory lining materials
- » Rake and remove hot slag from pit below the furnace



OPTIONS

- 23.6" (600 mm) track pads, triple grouser or flat, for XL 4210 V and XL 5210 V
- » 19.7" (500 mm) track pads, triple grouser or flat, for XL 3210 V
- Auxiliary hosing and piping for pneumatic or hydraulic hammers
- Single-point lifting yoke

- Extended reach boom
- Fire resistant hydraulic fluid
- Work lights
- Warning beacon
- Attachment adapter to accommodate standard XL Series ditching buckets
- Radio remote control with umbilical cord

A COMFORTABLE, PROTECTIVE WORKING ENVIRONMENT

radall XL Series V feature spacious cabs designed for Operator comfort and safety, with plenty of windows for excellent visibility in all directions. Gradall, Deere or SAE boom control joysticks are built into the adjustable seat, enhancing operator efficiency, and convenient foot pedals allow the operator exacting control to position the carrier. For operator comfort, heaters, air conditioning and more are all standard.

ATTACHMENTS



Hydraulic Hammers



Pneumatic Hammers



Tap Hole Drill



Double Tooth Steel Mill Ripper



Single Tooth Steel Mill Rippers





















Excavating Buckets: 28", 36" and 48"

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It is Gradall policy to continually improve its products. Therefore, designs, materials and specifications are subject to change without notice and without incurring any liability on units sold. Units pictured are equipped without optional equipment. See applicable specifications and price lists for optional equipment.

