

# ROAD WIDENERS



ENGINEERED INNOVATION





## How does a road widener work?

When it comes to placing the right amount of material at the correct grade and slope in one pass, whether on a shoulder or elsewhere, the best equipment for the job is a Weiler road widener.

### **ONE TOUCH HANDLING RESULTS IN QUICK WORK FOR THE CREW AND COST SAVINGS FOR YOU**

In a single pass, you are able to place material at a depth that previously took two, maybe three trips down the road. A Weiler road widener provides one touch handling of materials to keep your crew moving and your costs down.

### **SIMPLE IN DESIGN, YET HIGHLY EFFECTIVE**

A road widener receives material from the dump truck directly into the hopper. A hydraulically driven belt then delivers the material to the side of the widener you are working from. The strike-off tool attached to the side of the machine levels the material to the desired grade and slope while leaving no excess material that requires additional passes and broom clean-up.

Strike-off tools are hydraulically controlled from the operator's station, allowing a single operator to control the material discharge rate and grade and slope for the finished product.

Weiler road wideners are capable of working above or below grade and up to 14' (4 m) in width.





## When and where to use a road widener?

A road widener's versatility allows you to place a wide variety of materials in many applications. A Weiler road widener allows you to keep dump trucks and equipment off the sub-grade, eliminate additional equipment and improve efficiencies for your crew.

### HANDLES A WIDE RANGE OF MATERIALS...

- Asphalt
- Gravel
- Dirt
- Road Stone
- Concrete

### ...FOR MANY APPLICATIONS

- Placing base materials
- Lane additions
- Shoulder paving and maintenance
- Trench filling
- Service roads
- Bike lanes/paths

### BOTTOM LINE

If you need to place material above or below grade, up to 14' (4 m) wide, Weiler offers a road widener to meet the demands of your job with serious cost savings compared to traditional methods.



# Benefits of Using a Weiler Road Widener

## PRODUCTIVITY

With one-touch handling of material and working speeds up to 350 feet per minute (106 mpm), the distance covered by your crew is unmatched with traditional methods.

## PRECISION

Eliminate entire passes and the machines, fuel and labor they require with one-step placement and control of material. Strike-off tool can be set to exact grade and slope specifications, eliminating additional equipment and labor.

## POWER

Each Weiler road widener is equipped with the appropriate Cat® engine for its size to maximize productivity while minimizing fuel consumption and time on the job.

## VERSATILITY

From trench filling to complete lane additions, from asphalt to road stone, Weiler road wideners can handle it all.

## SIMPLICITY

All controls for material placement are conveniently located on the operator's station. Simplified clean-out and maintenance allow more time for you crew to be placing material.

Saving time and money provides you with the competitive advantage over those using less productive material placement methods.

## Road Widener Process

**Material → Dumped directly into Widener → Distributed and Levelled by**

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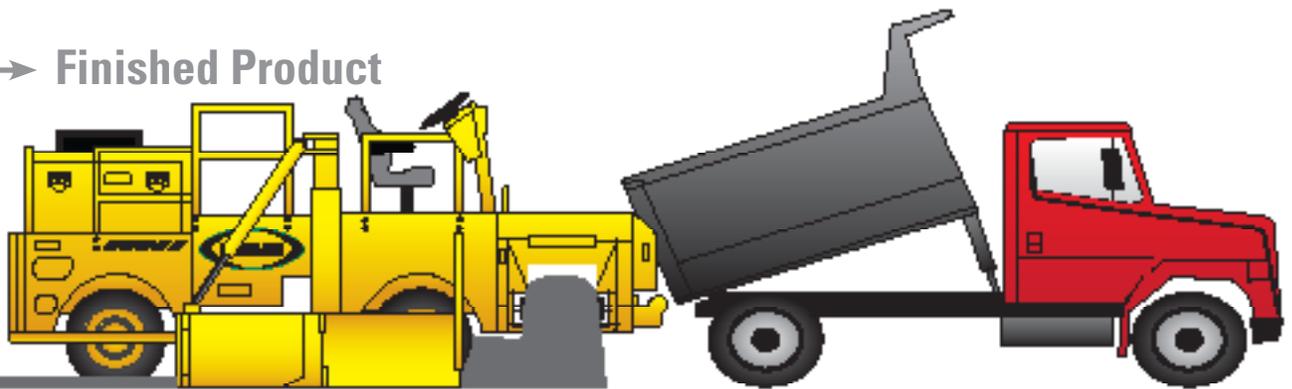
## Traditional Process

**Material → Dumped onto Ground → Initial Grading Pass → Final Grading**





Widener → Finished Product



Grading Pass → Broom Sweep → Finished Product



# Simple Operation

Weiler road wideners are designed to ensure machine operation is simple. The operator controls are intuitive, the sequences logical. Convenient controls enhance operation from the beginning to the end of every shift.

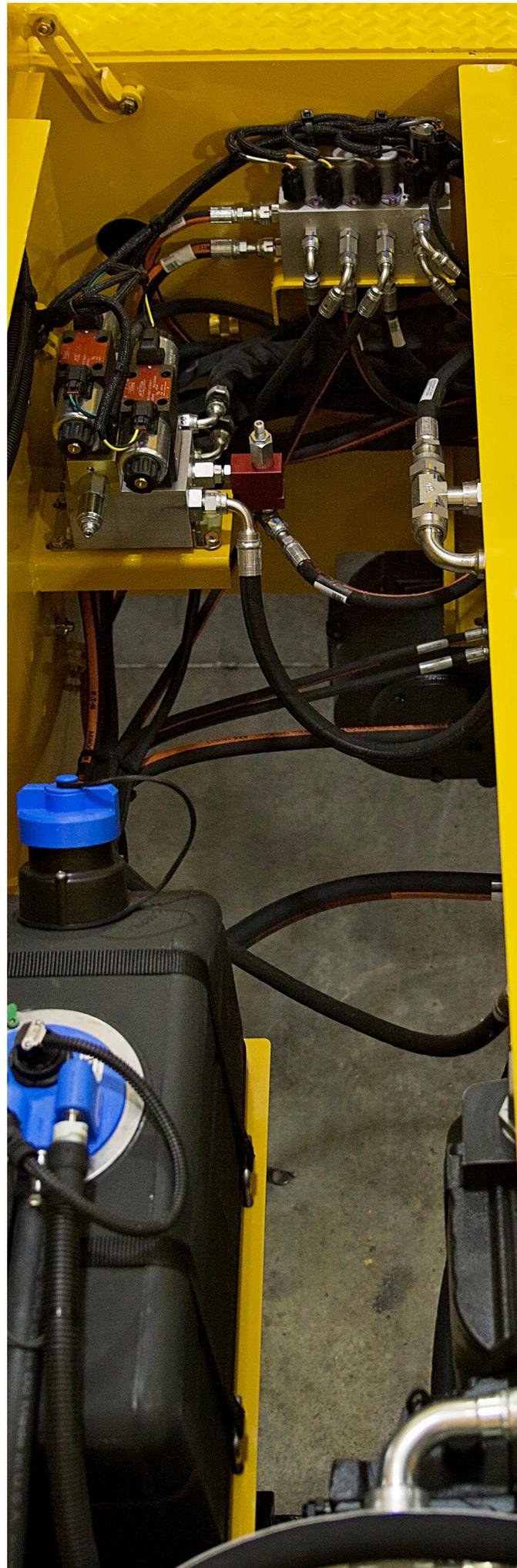
- Controls located within easy reach include a visual reference to reduce training time and increase comprehension
- Sliding control console enhances operator ease of use, enabling both right and left side access to all machine controls on W430A, W530A and W730B
- Seats located to the outside edge of machine for excellent visibility
- Floor cutouts provide visibility to the front tires from the operator's seat
- Optional remote pendant control on W430A, W530A and W730B offers flexibility in ground operator location
- Optional rear steer on select models reduces turning radius for increased maneuverability



# Fast Service

The first priority in reducing maintenance costs is building parts and components that exceed expectations. Weiler starts by using thick steel and adding bulk in all the right places. The extended lives of wear parts and components show up in longer service lives, and ultimately in lower costs and higher profitability. Material handling belts that resist wear and high temperatures are a good example of Weiler customer-focused engineering and designed-in quality. When access is needed, components and key service points are within reach.

- Multiple doors enable easy access to the engine and other machine components
- Doors are equipped with anti-theft locks
- Wideners are sold and serviced through Cat® dealers, with hundreds of locations to efficiently provide parts and service
- Dealer inventoried parts for immediate availability
- Comprehensive standard warranty assures your satisfaction

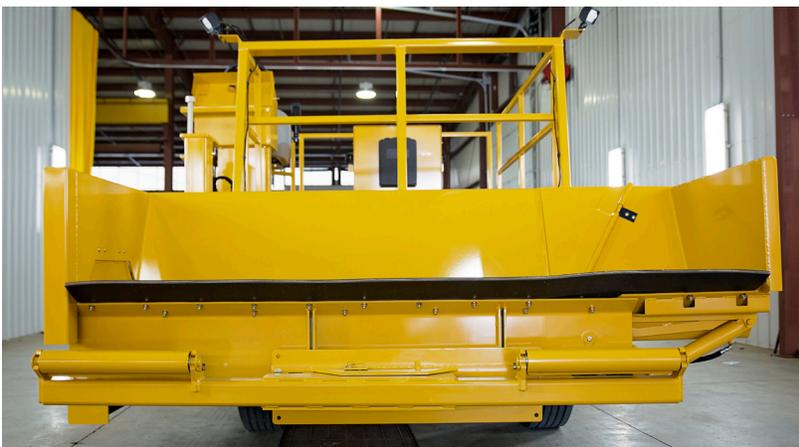


# W330B

The productivity you need in a smaller package.

- Widens up to 6' (1.8 m), 8" (203 mm) above and 10" (254 mm) below grade
- Right side discharge only
- Foldable front hopper for 8' 5" (2.6 m) transport width
- 3 yd<sup>3</sup> (2.2 m<sup>3</sup>) hopper.
- 9' (2.7 m) conveyor
- 18" (457 mm) wide conveyor
- Variable speed, chain-drive belt with 400 fpm (121 mpm) max speed
- Dual flashing belt protection
- 150 fpm (45 mpm) max working speed
- 8 mph (12.8 km/hr) transport speed
- 11' (3.35 m) inside turning radius with 2-wheel steering
- 2-wheel drive
- Cat<sup>®</sup> C2.2 Tier 4 engine with 67 hp (50kW)





## SPECS

<b>WEIGHT</b>	14,800 lb	6713 kg
<b>LENGTH</b>	16'	4880 mm
<b>OPERATING WIDTH</b>	10'	3048 mm
<b>TRANSPORT WIDTH</b>	8' 5"	2565 mm
<b>HEIGHT</b>	8'	2441 mm
<b>WHEELBASE</b>	96"	2438 mm
<b>HOPPER CAPACITY</b>	3 yd <sup>3</sup>	2.2 m <sup>3</sup>
<b>CONVEYOR LENGTH</b>	9'	2743 mm
<b>CONVEYOR WIDTH</b>	18"	457 mm
<b>BELT SPEED</b>	400 fpm	121 mpm
<b>TRANSPORT SPEED</b>	8 mph	12.8 km/hr
<b>MAX WORKING SPEED</b>	150 fpm	45 mpm
<b>HORSEPOWER (STANDARD)</b>	49 hp	36 kw
<b>TURNING RADIUS</b>	11'	3.35 m
<b>FUEL CAPACITY</b>	30 gal	113 L
<b>HYDRAULIC CAPACITY</b>	20 gal	75 L

## OPTIONAL EQUIPMENT

- Truck hitch
- Hydraulically extendable push rollers
- Locking Vandal covers
- LED strobe light
- Spray down system
- Work lights
- Premium LED work lights
- 1200 lb (544 kg) front weight kit
- 1' (.3 m), 2' (.6 m), 3' (.9 m) strike-off tools
- 2' - 3' (.6 m - .9 m) telescoping strike-off tool
- Extending end gate w/ chains
- Conveyor foot pedal

# W430A

High production with cost-saving efficiencies.

- Widens up to 8' (2.4 m), 12" (305 mm) above and below grade
- Right and left side discharge
- 3.24 yd<sup>3</sup> (2.48 m<sup>3</sup>) hopper.
- 10' (3 m) conveyor
- 24" (610 mm) wide conveyor
- Variable speed, chain-drive belt with 400 fpm (121 mpm) max speed
- Dual flashing belt protection
- 274 fpm (83 mpm) max working speed
- 12 mph (19.3 km/hr) transport speed
- 8' (2.4 m) inside turning radius with rear steer option featuring crab and coordinated steering
- 2-wheel drive
- Cat® C3.4B Tier 4 engine with 74 hp (55 kW)





## SPECS

<b>WEIGHT</b>	19,500 lb	8845 kg
<b>OPTIONAL REAR WEIGHT</b>	1,715 lb	778 kg
<b>LENGTH</b>	19'	5791 mm
<b>WIDTH</b>	120"	3048 mm
<b>HEIGHT</b>	7' 11"	2441 mm
<b>WHEELBASE</b>	117"	2971 mm
<b>HOPPER CAPACITY</b>	3.24 yd <sup>3</sup>	2.48 m <sup>3</sup>
<b>CONVEYOR LENGTH</b>	10'	3 m
<b>CONVEYOR WIDTH</b>	24"	610 mm
<b>BELT SPEED</b>	400 fpm	121 mpm
<b>TRANSPORT SPEED</b>	12 mph	19.3 km/hr
<b>MAX WORKING SPEED</b>	274 fpm	83 mpm
<b>HORSEPOWER</b>	74 hp	55 kw
<b>TURNING RADIUS</b>	14'	4.3 m
<b>REAR STEER TURNING RADIUS</b>	8'	2.4 m
<b>FUEL CAPACITY</b>	64 gal	242 L
<b>HYDRAULIC CAPACITY</b>	52 gal	196 L

## OPTIONAL EQUIPMENT

- Rear steer
- Truck hitch
- Hydraulically extendable push rollers
- Foot pedal conveyor control
- LED strobe light
- Spray down system
- Work lights
- Remote strike-off control
- 1,715 lb (778 kg) counterweight
- Hydraulic 12 kW generator
- Grade and slope controls
- Opposite side hydraulics
- 1' (.3 m), 2' (.6 m), 3' (.9 m), 6' (1.8 m) strike-off tools
- 2' - 3' (.6 m - .9 m) telescoping strike-off tool
- 3' - 5' (.9 - 1.5 m) adjustable strike-off tool

# W530A

Answers the call to meet productivity goals.

- Widens up to 10' (3 m), 12" (305 mm) above and below grade
- Right and left side discharge
- 3.5 yd<sup>3</sup> (2.7 m<sup>3</sup>) hopper. Optional hydraulic raise and lower feature adjusts vertically to match trucking requirements and ease loading and unloading
- 10' (3 m) conveyor shifts 6" (152 mm) for productive material placement
- 24" (610 mm) wide conveyor
- Variable speed, chain-drive belt with 400 fpm (121 mpm) max speed
- 350 fpm (106 mpm) max working speed
- 12 mph (19 km/hr) transport speed
- 13' (4.3 m) inside turning radius with rear steer option featuring crab and coordinated steering
- 2-wheel drive standard with 4-wheel drive option
- Cat® C3.4B Tier 4 engine with 120 hp (89 kW) standard, C4.4 137 hp (102 kW) engine with 4-wheel drive option





## SPECS

<b>WEIGHT</b>	26,327 lb	11 941 kg
<b>OPTIONAL REAR WEIGHT</b>	2,300 lb	1043 kg
<b>LENGTH</b>	22' 4"	6807 mm
<b>WIDTH</b>	120"	3048 mm
<b>HEIGHT</b>	7' 8"	2336 mm
<b>WHEELBASE</b>	130"	3302 mm
<b>HOPPER CAPACITY</b>	3.5 yd <sup>3</sup>	2.6 m <sup>3</sup>
<b>CONVEYOR LENGTH</b>	10'	3 m
<b>CONVEYOR WIDTH</b>	24"	610 mm
<b>BELT SPEED</b>	400 fpm	121 mpm
<b>TRANSPORT SPEED</b>	12 mph	19 km/hr
<b>MAX WORKING SPEED</b>	350 fpm	106 mpm
<b>HORSEPOWER (MAX)</b>	137 hp	102 kw
<b>TURNING RADIUS</b>	13'	3.9 m
<b>REAR STEER TURNING RADIUS</b>	8'	2.4 m
<b>FUEL CAPACITY</b>	64 gal	242 L
<b>HYDRAULIC CAPACITY</b>	52 gal	196 L

## OPTIONAL EQUIPMENT

- Rear wheel drive and rear steer
- Rear steer
- Truck hitch
- Hydraulically extendable push rollers
- Hydraulically raised and lowered front hopper
- Enclosed cab with heat and A/C
- Foot pedal conveyor control
- LED strobe light
- Spray down system
- 8' (2.4 m) or 10' (3 m) broom
- Work lights
- Remote strike-off control
- 2,300 lb (1043 kg) counterweight
- DC blade lights
- Hydraulic 12 kW generator
- Grade and slope controls
- Opposite side hydraulics
- 1' (.3 m), 2' (.6 m), 3' (.9 m), 6' (1.8 m) strike-off tools
- 2' - 3' (.6 m - .9 m) telescoping strike-off tool
- 3' - 5' (.9 - 1.5 m) adjustable strike-off tool
- Hinge section

# W730B

Built to keep high volumes of material moving.

- Widens up to 14' (4 m), 12" (305 mm) above and below grade
- Right and left side discharge
- 3.5 yd<sup>3</sup> (2.7 m<sup>3</sup>) hopper adjusts vertically to match trucking requirements and ease loading and unloading
- Hydraulically adjustable push rollers
- Standard 10' (3 m) conveyor shifts 6" (152 mm) for productive material placement. Optional 12' (3.6 m) conveyor features 10" (254 mm) shift
- 30" (762 mm) wide conveyor
- Variable speed, friction-drive belt with 800 fpm (242 mpm) max speed
- Dual flashing belt protection
- 350 fpm (106 mpm) max working speed
- 12 mph (19 km/hr) transport speed
- 14' (4.3 m) inside turning radius with rear steer featuring crab and coordinated steering
- Cat<sup>®</sup> C4.4B Tier 4 engine with 174 hp (130 kW)





## SPECS

<b>WEIGHT</b>	34,160 lb	15 495 kg
<b>OPTIONAL REAR WEIGHT</b>	3,500 lb	1588 kg
<b>LENGTH</b>	26'	7925 mm
<b>WIDTH</b>	120"	3048 mm
<b>HEIGHT</b>	7' 8"	2336 mm
<b>WHEELBASE</b>	180"	4572 mm
<b>HOPPER CAPACITY</b>	3.5 yd <sup>3</sup>	2.6 m <sup>3</sup>
<b>CONVEYOR LENGTH (STANDARD)</b>	10'	3 m
<b>CONVEYOR WIDTH</b>	30"	762 mm
<b>CONVEYOR SHIFT</b>	6"	152 mm
<b>BELT SPEED</b>	800 fpm	242 mpm
<b>TRANSPORT SPEED</b>	12 mph	19 km/hr
<b>MAX WORKING SPEED</b>	350 fpm	106 mpm
<b>HORSEPOWER</b>	174 hp	129 kw
<b>TURNING RADIUS</b>	14'	4.3 m
<b>FUEL CAPACITY</b>	61 gal	231 L
<b>HYDRAULIC CAPACITY</b>	51 gal	193 L

## OPTIONAL EQUIPMENT

- Truck hitch
- Enclosed cab with heat and A/C
- Foot pedal conveyor control
- LED strobe light
- Spray down system
- 10' (3 m) or 12' (3.6 m) broom
- Work lights
- Remote strike-off control
- 3,500 lb (1588 kg) counterweight
- DC blade lights
- Hydraulic 12 kW generator
- 12' (3.6 m) conveyor
- Grade and slope controls
- Opposite side hydraulics
- 1' (.3 m), 2' (.6 m), 3' (.9 m), 6' (1.8 m) strike-off tools
- 2' - 3' (.6 m - .9 m) telescoping strike-off tool
- 3' - 5' (.9 - 1.5 m) adjustable strike-off tool
- Hinge section
- 2' (.6 m) crowning attachment
- Hydraulic push beam extension



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