

510A BENCH CHAIN GRINDER



A Professional Chain Grinder for all Chains up to .404"

Features exclusive to OREGON®

Sharpens these pitches
1/4", .325", 3/8", .404"

Recommended uses:



Professional



Commercial



Harvester

FEATURES

3400 RPM, .38-Horsepower,
Direct Drive Motor

Runs on Standard 110-volt
AC, 60-Cycle Current

One-Way Motor Rotation

Large Motor Fan and
T-Shaped Cooling Fins

Specially Designed, Easy-to-
Use Handles and Knobs

BENEFITS

- Ample power to perform daily, heavy-duty grinding.
 - Long motor life.
 - Full power available to the grinding wheel.
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- Convenient – can be used with standard, grounded 110-volt three-prong outlets.
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- Greater operator safety:
 - A) If wheel breaks, fragments are directed away from the operator.
 - B) Sparks and debris are directed away from the operator.
 - C) The rotating wheel is prevented from changing direction during operation. Such direction changes can cause the wheel to come loose or damage the electrical system of grinders with two-way motors.
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- Increased motor cooling capacity for longer motor life.
 - T-shaped cooling fins withstand damage from accidental contact better than flat-shaped fins.
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- Makes precise settings and adjustments easy to perform.
 - Better grip, better control. Chain parts are securely held.
 - More clearance, less risk of injury to operator's hands.

510A BENCH CHAIN GRINDER



Risk of serious property damage or serious injury to operators and to bystanders from sparks, high-speed particles, fragments or other thrown debris.

Read and follow all assembly and operation instructions contained in the owner's manual that comes with the grinder and with the wheels that attach to the grinder.

Wear eye protection.

OREGON® BENCH CHAIN GRINDER

COMPLETE ASSEMBLIES

OREGON	DESCRIPTION	INCLUDES THESE ACCESSORIES
510A	Standard Bench Grinder	<ul style="list-style-type: none">• Instruction manual• Template for checking depth gauge, wheel contour and chain pitch• Standard chain vise attachment (fits chain types 1/4", .325", 3/8" and .404")• 1/8" - thick vitrified grinding wheel – sharpens these chain pitches: 1/4", .325" (except 20-series), 3/8" (91-series only)• 3/16" - thick vitrified grinding wheel – sharpens these chain pitches: .325" (20 & 95 series only), 3/8" (all except 91), .404"• 1/4" - thick vitrified grinding wheel – sharpens 1/2"-pitch chain and sets depth gauges• Dressing brick for shaping vitrified wheels

REPLACEMENT PARTS

More than 35 replacement parts are available to keep your OREGON® 510A bench chain grinder working for a long time. See the current OREGON® application guide for an exploded view and part numbers.

ACCESSORIES

VITRIFIED GRINDING WHEELS

OREGON	THICKNESS	GRINDS THESE CHAIN PITCHES
OR534-18	1/8", 3.2mm	1/4", .325" (30-series only) and 3/8" (90 and 91-series only)
OR534-316	3/16", 4.8mm	.325 (except 30-series), 3/8" (except 90 and 91-series) and .404"
OR534-14	1/4", 6.4mm	1/2" and depth gauges
DB-2	Dressing brick for shaping vitrified wheels	

DEPTH-GAUGE TOOLS AND FLAT FILE

OREGON	DESCRIPTION	OREGON	DESCRIPTION
22290	.025" Depth-gauge Tool, 10-Pack	31941	.025" Drop-center Depth-gauge Tool, 10-Pack
22291	.030" Depth-gauge Tool, 10-Pack	38850	.050" Depth-gauge Tool, 10-Pack
26799	.040" Depth-gauge Tool, 10-Pack	12211	6" Flat File, 12-Pack
26800	.060" Depth-gauge Tool, 10-Pack	40466	Depth-gauge Kit: .025" Drop-center Depth-gauge Tool and 6" Flat File

SIZES AND SPECIFICATIONS

MOTOR: Single-phase, 120 volt AC, 60 cycle, 300 watt, 3400 RPM, 38 horsepower, one-way rotation.

POWER CORD: Three-foot long with standard three-prong plug. ARBOR SIZE: 7/8" (.875" dia.)

MAXIMUM WHEEL DIAMETER: 5-3/4" (5.750" dia.) WEIGHT: 16 lbs.

For more information on these and other OREGON® products, contact your authorized OREGON® distributor, or:

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