



Screwdriving Technology



Automation



Air Motors



Air Tools

DEPRAG
INDUSTRIAL

Air Turbine Grinders - Angle

Model **GAT 818-450 BX, GAT 823-450 BX, GAT 515-450 CXT**

Power output: 4,5 kW (6 HP)

Speed - no load: 6 000 / 6 600 / 8 500 min⁻¹

For grinding or cutting-off wheels of type 27/28, 41/42: Ø 180, 230 mm

For cup-wheels of type 11: Ø 150 mm, with or without spindle thread 5/8"UNC

Highly robust, extreme powerful grinders for the efficient grinding of different materials, for example in the machining building-, steel-, and container-construction industries or in foundries.

- Oilfree and maintenance-free operation; exchange of vanes is not needed
- Turbine motor does not require airline lubrication
- Optimal power to weight ratio
- Perfect handling by means of an anti-vibration side handle and ergonomic shape
- Keyless adjustability of safety guard
- Spindle-lock at the push of a button; keyless wheel/disk replacement possible
- High operating safety
- Adjustable exhaust - left / right
- ABU (auto-balancing-unit) drastically decreases vibration
- Machine automatically shuts-off at overload

These robust high-powered grinders are best used for the scrubbing and leveling of cast-iron-parts, steel parts, welding seams, non-ferrous metals of all types and rock, as well as for any other fabrication areas

such as the steel-, and container construction, for machine building, in foundries and concrete-construction.

These grinders are designed to perform best on heavy duty, industrial applications. The robust construction of these tools assure an extended longevity - even when used in **24/7 operations**.

For an oilfree operation, we recommend the use of our turbine grinders.

The already excellent power-to-weight ratio of our vane-motors is surpassed by our turbine grinders. The operating speed of our grinders is adapted to assure the best-possible grinding result. **The integrated speed-regulator** holds the speed of the tool constant, even when tool is operated at full load. Because of the regulated idling speed, **the air consumption is optimized**, which also reduces the wear and tear of the tool.

The integrated ABU (auto-balancing-unit) reduces the vibration of the grinder to a minimum.



GAT 818-450 BX



GAT 823-450 BX



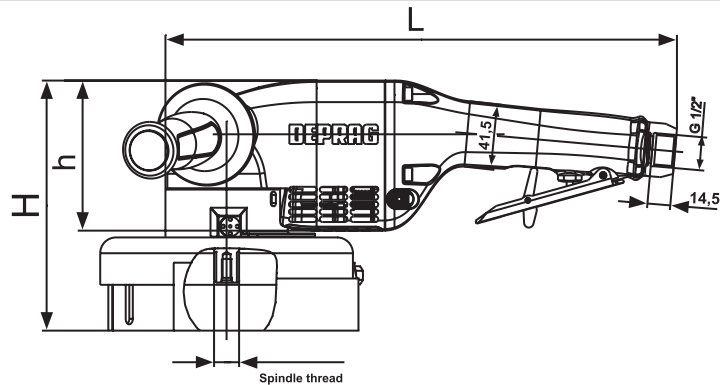
GAT 515-450 CXT

TYPE KEY

DESIGN

G A T 5 15-450 C X T

- T = Spindle thread 5/8 UNC
- X = Safety lever
- B = Basic design
- C = For cup-wheels
- Power output x 10 [W], 450 = 4 500 W
- Diameter of grinding wheel x 10 = 150 mm
- Max. radial speed x 10 = 50 m/s
- T = Turbine
- GA = Grinder Angle



APPLICATIONS

ADVANTAGES

- Deburring of welding seams (ship building)
- Cutting of gate sections (cast-iron engine blocks)
- Cutting of thick-walled profiles (steel construction)



Anti-vibration side handle
(change-over to left-hander
operation possible)

Keyless adjustability
of safety guard

Machine automatically
shuts-off at overload

SPECIFICATIONS

Model Part Number		GAT 818-450 BX 418193 A	GAT 823-450 BX 418193 B	GAT 515-450 CXT 418193 C
Speed (no load)	min ⁻¹ (rpm)	8 500	6 600	6 000
Max. power output	kW (hp)	4,5 (6)	4,5 (6)	4,5 (6)
Air consumption (under load / no load)	m ³ /min (cfm)	3,6 / 1,2 (127.1/42.4)	3,6 / 1,2 (127.1/42.4)	3,6 / 1,2 (127.1/42.4)
I.D. of air inlet hose	mm (in)	19 (3/4")	19 (3/4")	19 (3/4")
O.D. of grinding wheel	mm (in)	180 (7")	230 (9")	150 (6")
I.D. of grinding wheel	mm (in)	22,23 (7/8")	22,23 (7/8")	22,23 (7/8") and 5/8 UNC
Thickness of grinding wheel	mm (in)	4; 6; 8; 10 (.16, .24, .32, .39)	4; 6; 8 (.16, .24, .32)	-
Thickness of cutting-off wheel	mm (in)	2; 2,5; 3,2 (.04; .10; .13)	2; 2,5; 3,2 (.04; .10; .13)	-
Max. radial speed	m/s	80	80	50
Height of tool incl. guard	H mm (in)	125 (4.9)	125 (4.9)	158 (6.2)
Height of tool	h mm (in)	95 (3.7)	95 (3.7)	95 (3.7)
Length of tool	L mm (in)	324 (12.8)	324 (12.8)	324 (12.8)
Max. cutting depth	mm (in)	51,3 (2.0)	76,3 (3.0)	-
Weight	kg (lbs)	4,0 (8.8)	4,0 (8.8)	4,5 (9.9)
Spindle thread		M14	M14	5/8 UNC
Air connection		thread 1/2" female	thread 1/2" female	thread 1/2" female

Specifications at 90 psi (6,3 bar)

STANDARD EQUIPMENT

Pin wrench	Part No.	828832	828832	-
Flange	Part No.	-	-	310119
Flange	Part No.	-	-	310121
Flange	Part No.	-	-	310122
Screw	Part No.	-	-	310125
Screw	Part No.	-	-	310127
Key	Part No.	-	-	814220
Wrench	Part No.	-	-	800447
Wrench	Part No.	-	-	800402
Nozzle, turnable	Part No.	6021323A	6021323A	6021323A

OPTIONAL ACCESSORIES

Hose set (4-meter hose, LW 19 mm, turnable)	Part No.	418710 A
Oil set for oil change	Part No.	790083 A