



Screwdriving Technology

Automation

Air Motors

Air Tools



Air Turbine Grinders with Collets

Inline Design

Power output: 250, 500, 1 000 W (.34, .67, 1.34 HP)

- oilfree and maintenance-free operation, turbine motor does not require airline lubrication
- optimal power-to-weight ratio
- ergonomic
- efficient
- highly durable

Our powerful die-grinders are designed to fulfill the highest quality demands when they are used on industrial applications. The air grinders may be used with grinding-tips or carbide burs to fabricate plastics and metals in foundries, in the tool- and die-making industry or in the precision fabrication industry.

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.



GDST 025-700BY



GDST 100-280BX



The best tools for efficient material removal

High power

Our turbine grinders excel through the compact design and the concurrent high power-output. Especially when used with carbide cutters, these tools offer a powerful solution. The construction of the motor is based on the most modern materials, which allow them to reach their maximum possible power. Our turbine grinders are equipped with a powerful turbine drive that offers an exceedingly high power when compared to conventional air tools.

Ergonomical

These grinders operate at an extreme low noise-level. The ergonomic design of the tool-grip and also the side-handle reduces the machine's vibration.

Efficient

The speed-generator guarantees the highest amount of material removal with a low air-consumption, while reaching an outstanding machine life span.

Oilfree and maintenance-free operation, turbine motor does not require airline lubrication

Our turbine grinders operate oilfree and are therefore practically maintenance free.

Applications

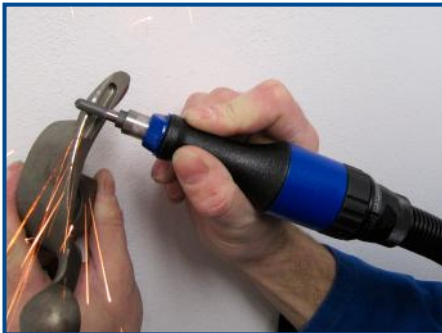
The turbine technology equipped grinders are especially well-suited for metal- and plastic fabrications – for the use with grinding tips or with high-tech grinding inserts. The grinders can be used in foundries, tool shops or in the automotive industry.

Turbine grinders - power output 250 W

Our small turbine grinders are especially well-suited for the precision grinding with grinding tips and for fabricating using grinding inserts in foundries, in the tool-, die-, and mold making-industry or in small industrial shops.

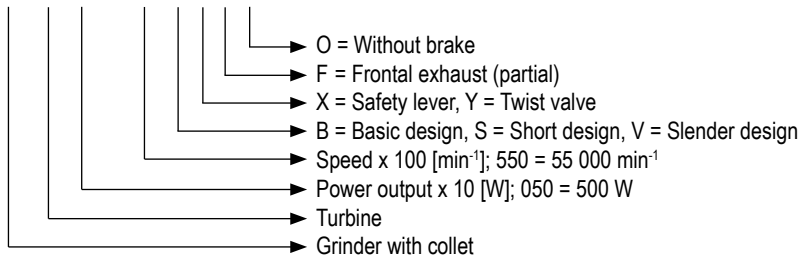
Turbine grinders - power output 500 W and 1000 W

Our turbine grinders are designed to fulfill the highest quality demands when they are used on industrial applications e.g. in foundries. Especially when used with carbide cutters, these tools offer a powerful solution.



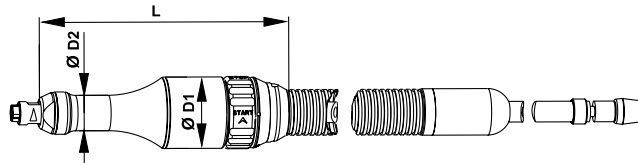
TYPE KEY

GDS T 050 - 550 B X F O



SPECIFICATIONS - TURBINE GRINDERS - 250 W

For the precision grinding and milling in the tool-, die-, and mold making-shops or in small industrial areas. Integrated speed regulator. Design with / without an integrated, automatic brake.



Design	Model	GDST025-700BY	
Twist Valve	Part No.	6060839A	
Speed (no load)	min ⁻¹ (rpm)	70 000	
Max. power output	W (hp)	250	(.34)
Air consumption (no load)	m ³ /min (cfm)	0,17	(6.00)
Air consumption (max. power)	m ³ /min (cfm)	0,43	(15.18)
I.D. of air inlet hose	mm (in)	6	(.24)
Max. Ø of grinding tip	mm (in)	13	(.51)
Max. Ø of grinding insert	mm (in)	6	(.24)
Weight of tool (without hoses)	kg (lbs)	0,3	(.71)
Length of supply/exhaust hose	m (in)	2 / 1,25	(6.6/4.1)
Dimensions Ø D1 x D2 x L	mm (in)	41,5 x 20,5 x 145	(1.63x.81x5.71)

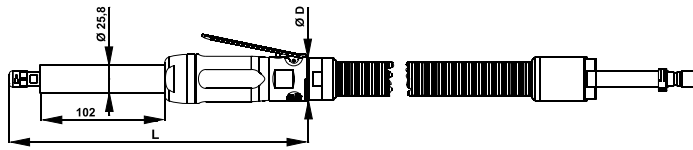
Specifications at 90 psi (6,3 bar)

Standard Equipment:	Part Number
Collet Ø 3 mm	830650
Collet Ø 6 mm	830648
Spanner 6/9 mm	830649
Spanner 11 mm	805491

Optional Accessories:	Part Number
Collet Ø 4 mm	830702
Collet Ø 5 mm	830703
Collet Ø 1/8"	830651
Collet Ø 3/16"	830652
Collet Ø 1/4"	830653

SPECIFICATIONS - TURBINE GRINDERS - 500 W

Optimum fabrication results in foundries, in tool-, die-, and mold making shops. Due to the high speed, these tools are especially well-suited for the use with carbide cutters. Includes a speed regulator.



Design		Safety Lever	
Basic design	Model Part No.	GDST050-550BXO 6061040A	
Speed (no load)	min ⁻¹ (rpm)	55 000	
Max. power output	W (hp)	500 (.67)	
Air consumption (no load/max. power)	m ³ /min (cfm)	0,13 / 0,74 (4.59/26.13)	
I.D. of air inlet hose	mm (in)	10 (.39)	
Weight of tool (without hoses)	kg (lbs)	0,90 (1.98)	
Max. Ø of grinding tip	mm (in)	16 (.63)	
Max. Ø of grinding insert	mm (in)	12 (.47)	
Length of supply/exhaust hose	m (in)	2 / 1 (6.6/3.3)	
Dimensions Ø D x L	mm (in)	39,5 x 257 (1.56x10.12)	

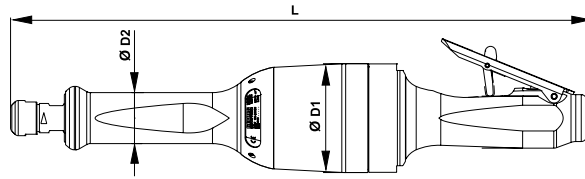
Specifications at 90 psi (6,3 bar)

Standard Equipment:	Part Number
Collet Ø 6 mm	6014315
Spanner 10 mm	800402
Spanner 14 mm	800410

Optional Accessories:	Part Number
Spanner Ø 3 mm	6014316
Spanner Ø 4 mm	6014318
Spanner Ø 5 mm	6014319
Spanner Ø 1/8"	6014320
Spanner Ø 3/16"	6014321
Spanner Ø 1/4"	6014314

SPECIFICATIONS - TURBINE GRINDERS - 1 000 W

Optimum fabrication results in foundries, in the automotive industry, etc. Due to the high speed, these tools are especially well-suited to the use with carbide cutters. Includes a speed regulator. Features an integrated, automatic brake.



Design	Model	GDST100-280BX	
Hebelventil	Part No.	6061137A	
Speed (no load)	min ⁻¹ (rpm)	28 000	
Max. power output	W (hp)	1 000	(1.34)
Air consumption (no load)	m ³ /min (cfm)	0,27	(9.53)
Air consumption (max. power)	m ³ /min (cfm)	1,15	(40.61)
I.D. of air inlet hose	mm (in)	13	(.51)
Max. Ø of grinding tip	mm (in)	32	(1.26)
Max. Ø of grinding insert	mm (in)	16	(.63)
Weight of tool (without hoses)	kg (lbs)	1,88	(4.14)
Length of supply/exhaust hose	m (in)	without hoses	
Dimensions Ø D1 x D2 x L	mm (in)	74 x 35 x 438	(29.13 x 13.78 x 172.44)

Specifications at 90 psi (6,3 bar)

Standard Equipment:	Part Number
Collet Ø 6 mm	315018
Spanner 17 mm	800405
Spanner 22 mm	800416

Optional Accessories:	Part Number
Collet Ø 3 mm	6014317
Collet Ø 4 mm	6017743
Collet Ø 5 mm	6017744
Collet Ø 8 mm	315073
Collet Ø 9 mm	315089
Collet Ø 3/16"	315088
Collet Ø 1/4"	315074
Collet Ø 5/16"	315090

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Specifications subject to change without prior notice