Screwdriving Technology Automation Air Motors Air Tools

DEPRAG
machines unlimited

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 fulfi ll the highest quality demands when they are used on industrial applications. The air grinders may be used with grinding-tips or carbide burrs 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 offfer 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.

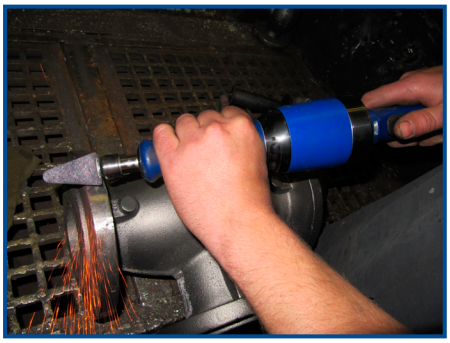
Oilfree and maintenance-free operation, turbine motor does not require airline lubrication
Our turbine grinders operate oilfree and are therefore practically maintenance free.

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.





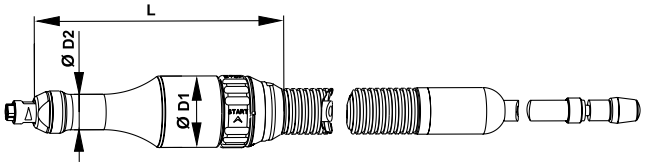
TYPE KEY

GDS T 050 - 550 B X F O

- O = Without brake
- F = Frontal exhaust (partial)
- X = Safety lever, Y = Twist valve
- B = Basic design, S = Short design, V = Slender design
- Speed x 100 [min^{-1}]; 550 = 55 000 min^{-1}
- Power output x 10 [W]; 050 = 500 W
- Turbine
- Grinder with collet

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 Twist Valve	**Model** Part No.		**GDST025-700BY** 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)

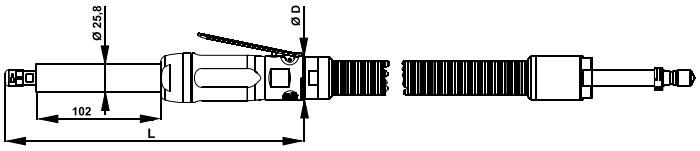
Specifications at 90 psi (6,3 bar)

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 ¼“	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)

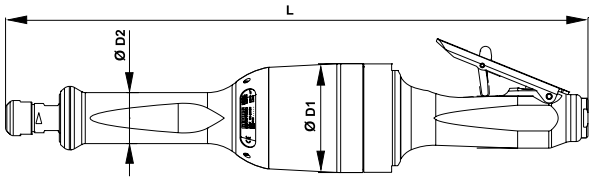
Specifications at 90 psi (6,3 bar)

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 ¼“	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 Hebelventil	**Model** Part No.		**GDST100-280BX** 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 ¼“	315074
Collet Ø 5/16“	315090

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