DEPRAG INDUSTRIAL

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 050-550BYO

GDST 050-550SYO

GDST 050-550VXO

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.

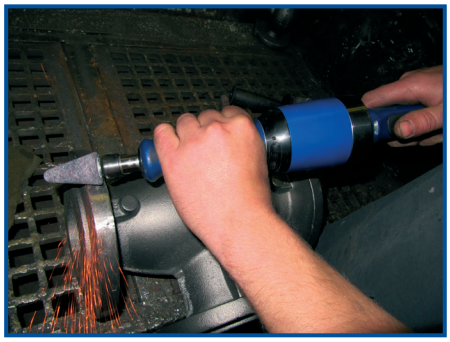
Efficient
The speed-generator guarantees the highest amount of material removal with a low air-consumption, while reaching an outstanding machine life span.

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.



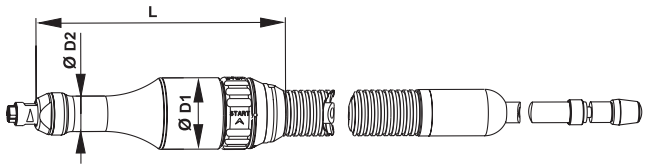
TYPE KEY

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	**Model**		**GDST 025-700 BY**		**GDST 025-700 BYO**	
Twist Valve	Part No.		6060839A		6060859A	
Speed (no load)	min^{-1}	(rpm)	70 000		70 000	
Max. power output	W	(hp)	250	(.34)	250	(.34)
Air consumption (no load)	m^3/min	(cfm)	0,17	(6.00)	0,17	(6.00)
Air consumption (max. power)	m^3/min	(cfm)	0,43	(15.18)	0,43	(15.18)
I.D. of air inlet hose	mm	(in)	6	(.24)	6	(.24)
Max. Ø of grinding tip	mm	(in)	13	(.51)	13	(.51)
Max. Ø of grinding insert	mm	(in)	6	(.24)	6	(.24)
Weight of tool (without hoses)	kg	(lbs)	0,3	(.71)	0,3	(.71)
Length of supply/exhaust hose	m	(in)	2 / 1,25	(6.6/4.1)	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)	41,5 x 20,5 x 145	(1.63x.81x5.71)

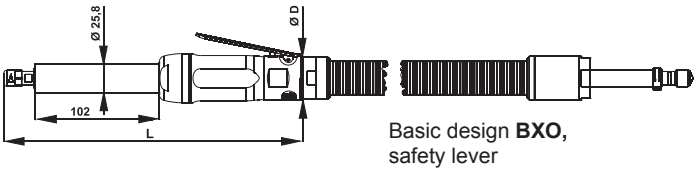
Specifications at 90 psi (6,3 bar)

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

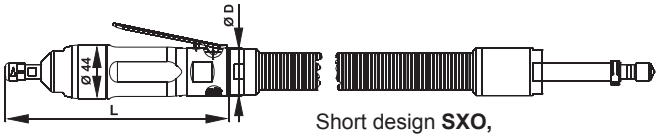
Optional Accessories:	**Part Number**	
Collet Ø 4 mm	830702	830702
Collet Ø 5 mm	830703	830703
Collet Ø 1/8“	830651	830651
Collet Ø 3/16“	830652	830652
Collet Ø ¼“	830653	830653

SPECIFICATIONS - TURBINE GRINDERS - 500 W

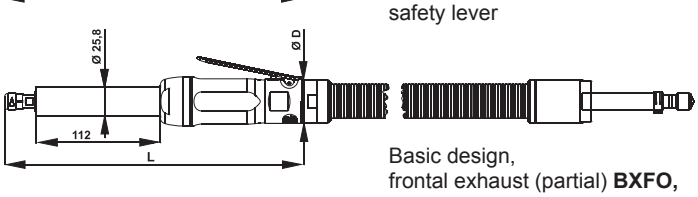
Optimum fabrication results in foundries, in tool-, die-, and mold making shops. Due to the high speed, these tools are especially well-suited for the use with carbide cutters. Includes a speed regulator.



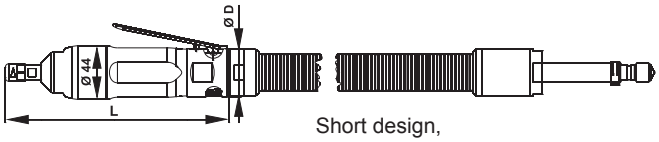
Basic design **BXO,**
safety lever



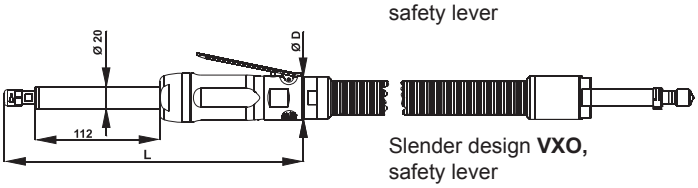
Short design **SXO,**
safety lever



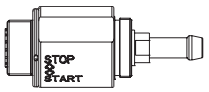
Basic design,
frontal exhaust (partial) **BXFO,**
safety lever



Short design,
frontal exhaust (partial) **SXFO,**
safety lever



Slender design **VXO,**
safety lever



All types are supplied
also with safety lever.

Design			Safety Lever		Twist Valve	
Basic design	**Model**		**GDST 050-550BXO**		**GDST 050-550BYO**	
	Part No.		6061040A		6061041A	
Basic design,	**Model**		**GDST 050-550BXFO**		**GDST 050-550BYFO**	
frontal exhaust (partial)	Part No..		6061112A		6061113A	
Slender design	**Model**		**GDST 050-550VXO**		**GDST 050-550VYO**	
	Part No.		6061110A		6061111A	
Short design	**Model**		**GDST 050-550SXO**		**GDST 050-550SYO**	
	Part No..		6061114A		6061115A	
Short design,	**Model**		**GDST 050-550SXFO**		**GDST 050-550SYFO**	
frontal exhaust (partial)	Part No.		6061116A		6061117A	
Speed (no load)	min^{-1}	(rpm)	55 000		55 000	
Max. power output	W	(hp)	500	(.67)	500	(.67)
Air consumption (no load/max. power)	m^3/min	(cfm)	0,13 / 0,74	(4.59/26.13)	0,13 / 0,74	(4.59/26.13)
I.D. of air inlet hose	mm	(in)	10	(.39)	10	(.39)
Weight of tool (without hoses)	kg	(lbs)	0,90	(1.98)	0,90	(1.98)
			0,90	(1.98)	0,90	(1.98)
			0,70	(1.54)	0,70	(1.54)
			0,50	(1.10)	0,50	(1.10)
			0,50	(1.10)	0,50	(1.10)
Max. Ø of grinding tip	mm	(in)	16	(.63)	16	(.63)
Max. Ø of grinding insert	mm	(in)	12	(.47)	12	(.47)
Length of supply/exhaust hose	m	(in)	2 / 1	(6.6/3.3)	2 / 1	(6.6/3.3)
Dimensions Ø D x L	mm	(in)	39,5 x 257	(1.56x10.12)	41 x 264	(1.61x10.39)
			39,5 x 268	(1.56x10.56)	41 x 275	(1.61x10.83)
			39,5 x 268	(1.56x10.56)	41 x 275	(1.61x10.83)
			39,5 x 184	(1.56x7.24)	41 x 191	(1.61x7.52)
			39,5 x 184	(1.56x7.24)	41 x 191	(1.61x7.52)

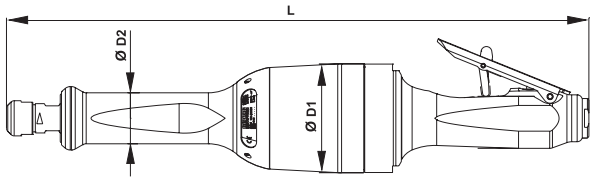
Specifications at 90 psi (6,3 bar)

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

Optional Accessories:	Part Number	
Spanner Ø 3 mm	6014316	6014316
Spanner Ø 4 mm	6014318	6014318
Spanner Ø 5 mm	6014319	6014319
Spanner Ø 1/8“	6014320	6014320
Spanner Ø 3/16“	6014321	6014321
Spanner Ø ¼“	6014314	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**		**GDST 100-280BX**	
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 ¼“	315074
Collet Ø 5/16“	315090

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