



Screwdriving Technology



Automation



Air Motors



Air Tools



## Pneumatic Angle Drills with Morse Taper

Model DA 048 - DA 220

Drill Capacity from 15 - 80 mm (0.6 - 3.15 inches)

Power: 0,48 - 2,20 kW (.64 - 3 HP)

- ergonomic
- optimum power-to-weight ratio
- simple operation
- reliability

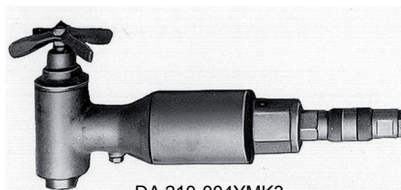
The DEPRAG heavy-duty angle drills are primarily used for applications in heavy-duty engineering, shipbuilding, industrial transportation equipment and other industries. They are well-suited tools for continuous operation requiring a high level of reliability.



DA 220-002YRMK5



DA 220-004YRMK4



DA 210-004YMK3



DA 220-003YMK4



DA 048-010YMK1



DA 150-004YMK2



## Angle-head design for industrial use

### Ergonomic

The DEPRAG angle air drills are designed with the most Ergonomic features in mind; these features are the foundation for a superior quality and precision. The low vibration and low noise level assure that the tool will always operate at its highest level of performance.

### Optimum power-to-weight ratio

Despite their small dimensions, our straight drills incorporate a powerful motor that guarantees a maximum drilling power. Each drill features the lowest possible weight and has an excellent balance. The innovative motor design, in connection with the efficient gearbox, allows an optimum power-to-weight ratio and assures a maximum material penetration.

### Simple operation

Simple to operate no matter how difficult an applications. A simple and fast exchange of the drill bit is possible because of the keyless drill-chuck.

### Various angle-heads

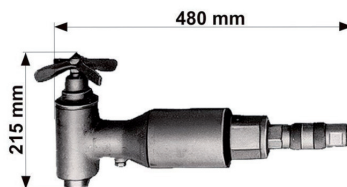
We offer one design of angle-heads - 90°.

## SPECIFICATION - ANGLE-HEAD DESIGN

### Angle Drills with Morse Taper



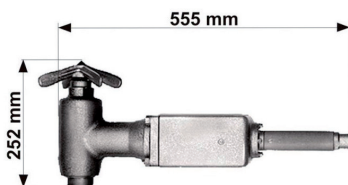
DA 150-004YMK2



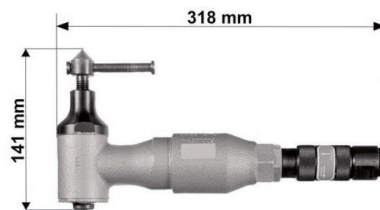
DA 210-004YMK3



DA 220-003YMK4



DA 220-004YRMK4



DA 048-010YMK1



DA 220-002YRMK5

Pneumatic Angle Drills with Morse Taper	Typ Part No.	DA 048-010YMK1 3014471A	DA 150-004YMK2 3010671A	DA 210-004YMK3 3010681A	DA 220-003YMK4 3010691A
Max. Ø of drilling into steel	mm (in)	15 (19/32")	23 (7/8")	32 (1-1/4")	50 (1-31/32")
Reaming up to	mm (in)	12 (15/32")	18 (23/32")	27 (1-1/16")	36 (1-13/32")
Morse taper		1 (.34)	2 (.34)	3 (.34)	4 (.34)
Speed (no load)	min <sup>-1</sup> (rpm)	1000	400	400	300
Speed (under load)	min <sup>-1</sup> (rpm)	500	280	280	220
Air consumption (load)	m <sup>3</sup> .min <sup>-1</sup> (cfm)	0,6 (21.19)	1,6 (56.50)	2,1 (74.15)	2,2 (77.68")
Air consumption (no load)	m <sup>3</sup> .min <sup>-1</sup> (cfm)	0,6 (21.19)	0,7 (24.72)	0,8 (28.25)	1,0 (35.31)
Max. power output	kW (hp)	0,48 (.64)	1,5 (2.01)	2,1 (74.15)	2,2 (2.95)
Length (L)	mm (in)	318 (2-17/32")	446 (17-9/16")	480 (18-7/16")	507 (19-31/32")
Thickness (H)	mm (in)	141 (5-9/16")	193 (7-19/32")	215 (8-15/32")	239 (9-13/32")
Spindle stroke	mm (in)	45 (1-3/4")	60 (2-23/64")	75 (2-31/32")	75 (2-31/32")
Radius (A)	mm (in)	25 (1")	30 (1-3/16")	35 (1-3/8")	40 (1-9/16")
Weight	kg (lbs)	2,9 (6.40#)	8,3 (18.26#)	11,7 (25.80#)	13,9 (30.64#)
I.D. of air inlet hose	mm (in)	10 (13/32")	15 (19/32")	15 (19/32")	19 (3/4")
Air connection		G 3/8 i	G 1/2 i	G 1/2 i	G 1/2 i

## SPECIFICATION - ANGLE-HEAD DESIGN

Pneumatic Angle Drills with Morse Taper	Typ		DA 220-004YRMK4		DA 220-002YRMK5	
	Part No.		3010701A		3015531A	
Max. Ø of drilling into steel	mm	(in)	55	(2-11/64")	80	(3-9/64")
Reaming up to	mm	(in)	50	(2")	75	(3")
Tapping into steel to	mm	(in)	40	(1-19/32")	80	(3-9/64")
Milling of pipes	mm	(in)	55	(2-11/64")	120	(4-23/32")
Morse taper			4	(5.36)	5	(6.71)
Speed (no load)	min <sup>-1</sup>	(rpm)	400		180	
Speed (under load)	min <sup>-1</sup>	(rpm)	200		90	
Air consumption (load)	m <sup>3</sup> .min <sup>-1</sup>	(cfm)	2	(70.62)	2	(70.62)
Max. power output	kW	(in)	2,2	(2.95)	2,2	(2.95)
Lenght (L)	mm	(in)	555	(21-27/32)	580	(22-37/32")
Thickness (H)	mm	(in)	252	(9-15/16")	295	(11-5/8")
Spindle stroke	mm	(in)	75	(3")	100	(4")
Radius (A)	mm	(in)	40	(1-9/16")	50	(2")
Weight	kg	(lbs)	17	(37.48#)	21,7	(47.84#)
I.D. of air inlet hose	mm	(in)	19	(3/4")	19	(3/4")
Air connection			G 3/4 i		G 3/4 i	

Specifications at 90 psi (6,3 bar).

**DEPRAG**  
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Specifications subject to change without prior notice