



Screwdriving Technology



Automation



Air Motors



Air Tools



Pneumatic Drills - Pistolgrip

Model **DP 030-020 ZRB12**

Power output: 300 W

Speed - no load: 2 000 1/min (right); 1 700 1/min (left)

Reversible drill for maximal drilling power at maximum precision and minimum time

- **Max. power output in 24/7 operation**
- **Ergonomic**
- **Low vibration and noise level**
- **Low weight**
- **The special design includes a two-stage start feature**
- **Intuitive and simple handling**

Our reversible air-drill is especially robust and well-suited for the manual drilling into wood, steel, aluminum or other materials. This type of drill is best used in the aviation-, automotive-, furniture construction-, and machine building industry.

The robust construction of the drill assures a high lifespan even when used in a **24/7 operation**.

The reversible air-motor allows the operation of the

drill in both right- (R) or left- (L) rotation. Furthermore, this drill may also be used as a screwdriver.

The special design includes a two-stage start feature, which is clearly noticeable by a pressure-point that occurs during the operation of this tool. The machine runs at a reduced speed and power up to this pressure-point. This start-feature simplifies this tool's usage as a handheld drill. Once the pressure-point is overcome and full pressure is applied, the drill uses its full motor power (300 W).

This drill operates **at an extreme low noise level and keeps its operating vibration to a minimum. Low weight and perfect balance are just another advantage.**

Intuitive and easy operating for any given application in various drilling processes.



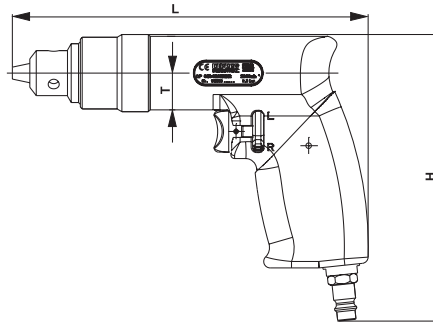
DP 030-020 ZRB12

TYPE KEY

DESIGN

D P 030 - 020 Z R B12

→	B12 = Conical chuck
→	P = Chuck shield
→	Z = Trigger
→	Speed x 10 [min ⁻¹], 020 = 2 000 min ⁻¹
→	Power x 10 [W], 030 = 300 W
→	P = Pistol Grip
→	D = Drill



SPECIFICATIONS

Model Part Number	DP 030-020 ZRB12 6061165A		
Speed - no load (right / left)	min ⁻¹	(rpm)	2 000 / 1 700
Max. power output	W	(hp)	300 (.40)
Air consumption (at max. power / no load)	m ³ /min	(cfm)	0,55 / 0,65 (19.42 / 22.95)
Max. torque capability	Nm	(ft.lbs)	3 (2.21)
I.D. of air inlet hose	mm	(in)	8 (.31)
Chuck range	mm	(in)	1 - 10 (.04 - .4)
Conical chuck range	B12		
Height H	mm	(in)	156 (6.14)
Length L	mm	(in)	194 (7.64)
Distance from spindle center to outside of housing T	mm	(in)	20 (.79)
Weight	kg	(lbs)	1,0 (2.2)
Air connection	G1/4"		

Specifications at 90 psi (6,3 bar)

STANDARD EQUIPMENT

Drill chuck with key	Part No.	6019497
Clamping screw	Part No.	60741239

DERIVED VALUES OF SPEED (RPM) FOR HSS-DRILL BITS

Cutting speed	35 m/min	28 m/min	25 m/min	14 m/min	11 m/min	7 m/min	22 m/min	12 m/min	50 m/min	90 m/min	165 m/min	210 m/min
Drill bit (mm)	Plain carbon steel			Alloyed steel		Stainless steel	Cast-iron		Copper, Bronze, Brass	Light weight metal		Magnesian alloy ²⁾
	up to 500 N/mm ²	500 - 700 N/mm ²	over 700 N/mm ²	700 - 900 N/mm ²	900 - 1100 N/mm ²		to 180 N/mm ²	over 180 N/mm ²		tough screw brass ¹⁾	hardened	
1	11000	8800	7800	4400	3400	2200	7000	3800	16000	28000	52000	66000
2	5500	4400	3900	2200	1700	1100	3500	1900	8000	14000	26000	33000
3	3700	3000	2600	1500	1100	730	2300	1300	5300	9000	17300	22000
4	2800	2200	2000	1100	850	550	1700	950	4000	7000	13000	16500
5	2200	1800	1600	880	680	440	1400	760	3200	5600	10400	13200
6	1900	1500	1300	735	570	365	1200	630	2700	4800	8700	11000
7	1600	1300	1100	630	485	315	1000	540	2300	4000	7400	9400
8	1400	1100	975	550	425	275	875	475	2000	3500	6500	8300
9	1200	975	865	490	380	245	780	420	1800	3100	5800	7400
10	1100	880	780	440	340	220	700	380	1600	2800	5200	6600

1) Speed also applies to drilling to thermosetting materials, hardened paper and hardened textile, but to be used steel drill bits with K10 instead of HSS.

2) For drilling to thermoplastics to use double values.