

Specifications

Feature	PFD1100		PFD1500	
	Metric	Imperial	Metric	Imperial
Motor	Turbine	Turbine	Vane	Vane
Drill and ream	yes	yes	yes	yes
Countersinking	yes	yes	no	no
Sound level	78 dB(A)	78 dB(A)	83 dB(A)	83 dB(A)
Spindle power	1.7 kW	2.3 hp	1.5 kW	2.0 hp
Max hole	15.9 mm	5/8"	32 mm	1¼"
Max countersink	22 mm	7/8"	N/A	N/A
Max speed	7300 rpm	7300 rpm	2360 rpm	2360 rpm
Min speed	350 rpm	350 rpm	38 rpm	38 rpm
Max thrust	2000 N	450 lbf	4000 N	900 lbf
Max clamp force (cc)	1800 N	400 lbf	N/A	N/A
Max feed	0.17 mm/rev	0.007 IPR	0.25 mm/rev	0.010 IPR
Tool weight (base)	3.0 kg	6.6 lb	5.5 kg	12.0 lb
Max air consumption	30 l/s	60 cfm	35 l/s	70 cfm
Air inlet	1/2" BSP	1/2" NPT	1/2" BSP	1/2" NPT
Operating pressure	5.5–7.5 bar	80-110 psi	5.5–7.5 bar	80-110 psi
Angle head radius	16.0 mm	5/8"	17.8 mm	0.7"
Air hose	13 mm	1/2"	16 mm	5/8"

Optional Equipment

Item	PFD1100	PFD1500
Chiplet®	yes	yes
Rapid advance	no	yes (with J-Clutch)
Lubrication pump	inboard, 30 ml	onboard, 55 ml
Counter	yes	yes
Indexer	yes	yes
Tool handle	no	yes
Nose sizes	21k–23k	23k–25k
Concentric collet	yes	no
Max collet outer diameter	1 3/8"	N/A



Concentric collet unit

Air Installation

Item	PFD1100 Light to Medium Duty Cycle	PFD1500 / PFD1100 Heavy Duty Cycle
Swivel	MultiFlex with 1/2	MultiFlex with 1/2
Coupling	ErgoQIC 08 with H13	ErgoQIC 10 with H16
Air fitting	ErgoNIP 08 with 1/2	ErgoNIP 10 with 1/2
Hose	PVC 13, 30 m coil	PVC 16, 30 m coil
Clamp	clamp for PVC 13	clamp for PVC 13
Air preparation unit	MIDI Optimizer F/R A with 1/2	Optimizer F/R A with 1/2
Ball valve	BAL-1A with 1/2	BAL-1A with 1/2
Connection	Double with two 1/2	Double with two 1/2

Collet



Mandrel



Counter sink stop nut



Tool nose with vacuum port



Tool nose



Tool nose indexer

