

Model Type – Pages 6-27

Pneumatic Feed and Drive

AFD205	0.22kW (0.29HP)
AFD215	0.22kW (0.29HP)
AFD415	0.38kW (0.50HP)
AFD/AFT60	0.52kW (0.70HP)

Pneumatic Feed, Electric Drive

AFDE200	0.25kW (0.33HP)
AFDE400	0.33kW (0.40HP)
AFDE410	0.75kW (1.00HP)
AFDE600	0.33kW (0.40HP)
AFDE610	0.75kW (1.00HP)
AFDE620	1.10kW (1.50HP)
AFDE700	1.50kW (2.00HP)
AFDE710	2.20kW (3.00HP)

Electric Feed and Drive via Leadscrew

AFTE270	0.18kW (0.24HP)
AFTE470	0.38kW (0.50HP)
AFTE480	0.75kW (1.00HP)

No Load Speed – Pages 6-27

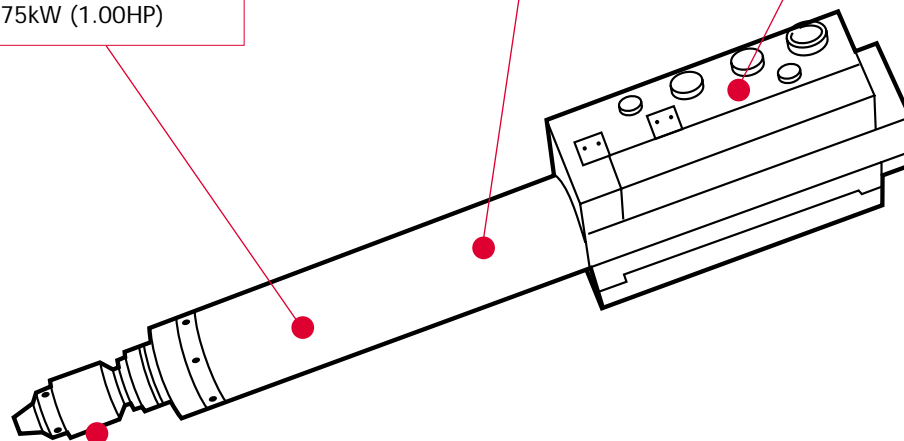
The free output speed of the drill or taper with no drilling or tapping load applied.

Control Block – Page 28

- A1 – Full feature type⁽¹⁾ – Automatic cycle
- A6 – Simple type⁽¹⁾⁽²⁾ – Remote cycle control
- A7 – Leadscrew type – PNP
- A8 – Leadscrew type – NPN

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Output Spindle⁽²⁾ – Pages 30/31

Output spindle to be supplied.

⁽¹⁾ Not required on AFTE models.

⁽²⁾ Does not apply for AFD60 and AFT60.

How to Order

AFDE400

-

2850

-

A1

+

B24

Model Code

No Load Speed

Control Block

Output Spindle



AFDE tappers



- Comprehensive range of tapping tools
- Tapping gearboxes feature push-pull drive which automatically reverses when the tool returns (except AFDE700)
- Capacity up to 22mm (3/4") in aluminium, 16mm (5/8") in mild steel

tapping electric drive with pneumatic feed – *push-pull*

tapping performance specification

TOOL TYPE	SPEED		POWER		CURRENT		TORQUE		STROKE		WEIGHT		AIR CONSUMPTION		SOUND LEVEL
	rpm		kW	HP	Amps		Nm	lbf ins	mm	ins	kg	lb	l/s ²	cfm	dB(A)
model code	50Hz	60Hz	motor power		50Hz	60Hz	tapping torque available		working stroke		weight		per cycle		
AFDE200-850	850	1020	0.25	0.34	0.75	0.75	2.4	21.2	90	3.5	11.1	24.4	<0.32	<0.02	<70
AFDE200-1200	1200	1450	0.25	0.34	0.75	0.75	1.8	15.9	90	3.5	11.1	24.4	<0.32	<0.02	<70
AFDE400-330	330	400	0.33	0.44	0.95	0.95	8.6	76.1	100	3.94	12.8	28.2	<1	<0.04	<70
AFDE400-550	550	660	0.33	0.44	0.95	0.95	5.2	46.0	100	3.94	12.8	28.2	<1	<0.04	<70
AFDE400-900	900	1100	0.33	0.44	0.95	0.95	3.2	28.3	100	3.94	12.8	28.2	<1	<0.04	<70
AFDE400-1200	1200	1450	0.33	0.44	0.95	0.95	2.4	21.2	100	3.94	12.8	28.2	<1	<0.04	<70
AFDE410-330	330	400	0.75	1.00	1.9	1.9	19.6	173.5	100	3.94	13.8	30.4	<1	<0.04	<70
AFDE410-550	550	660	0.75	1.00	1.9	1.9	11.8	104.4	100	3.94	13.8	30.4	<1	<0.04	<70
AFDE410-900	900	1100	0.75	1.00	1.9	1.9	7.2	63.7	100	3.94	13.8	30.4	<1	<0.04	<70
AFDE410-1200	1200	1450	0.75	1.00	1.9	1.9	5.4	47.8	100	3.94	13.8	30.4	<1	<0.04	<70
AFDE600-330	330	400	0.33	0.44	0.95	0.95	8.6	76.1	100	3.94	20.1	44.2	<2.5	<0.09	<70
AFDE600-550	550	660	0.33	0.44	0.95	0.95	5.2	46.0	100	3.94	20.1	44.2	<2.5	<0.09	<70
AFDE600-900	900	1100	0.33	0.44	0.95	0.95	3.2	28.3	100	3.94	20.1	44.2	<2.5	<0.09	<70
AFDE600-1200	1200	1450	0.33	0.44	0.95	0.95	2.4	21.2	100	3.94	20.1	44.2	<2.5	<0.09	<70
AFDE610-330	330	400	0.75	1.00	1.9	1.9	19.6	173.5	100	3.94	21.1	46.4	<2.5	<0.09	<70
AFDE610-550	550	660	0.75	1.00	1.9	1.9	11.8	104.4	100	3.94	21.1	46.4	<2.5	<0.09	<70
AFDE610-900	900	1100	0.75	1.00	1.9	1.9	7.2	63.7	100	3.94	21.1	46.4	<2.5	<0.09	<70
AFDE610-1200	1200	1450	0.75	1.00	1.9	1.9	5.4	47.8	100	3.94	21.1	46.4	<2.5	<0.09	<70
AFDE700-140	140	170	1.50	2.00	3.7	3.7	92	679.2	127	5.00	63	139	<5.2	<0.19	<70
AFDE700-280	280	340	1.50	2.00	3.7	3.7	46	339.6	127	5.00	63	139	<5.2	<0.19	<70
AFDE700-460	460	550	1.50	2.00	3.7	3.7	28	206.4	127	5.00	63	139	<5.2	<0.19	<70
AFDE700-950	950	1140	1.50	2.00	3.7	3.7	13.6	99.6	127	5.00	63	139	<5.2	<0.19	<70

All AFDE700 models do not use a tapping head and require an electrical reversing circuit to control the tool. Please ask for advice.

The following tools require suitable output spindles to fit a tapping head:

TOOL TYPE	OUTPUT SPINDLE (SEE PAGE 30)
AFDE200	K32
AFDE600	B24
AFDE610	B24

How to order

Examples:

AFDE200-850-A1 + K32 + 357193(H21)

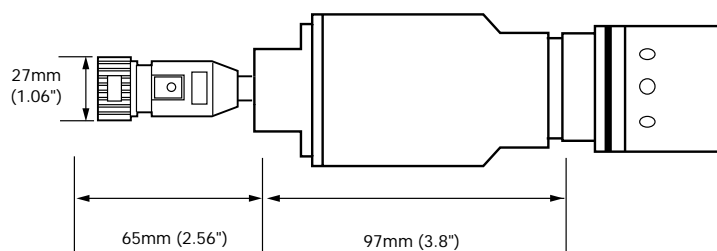
AFDE400-550-A1 + B7

AFDE610-900-A1 + B24 + 383813(J19)

AFDE tappers accessories

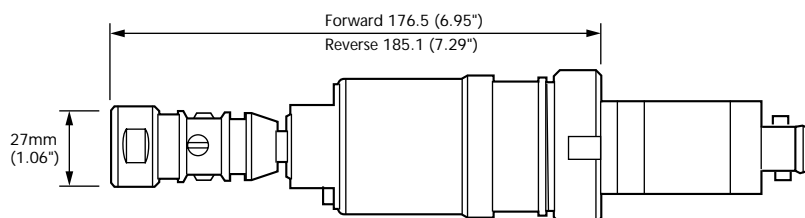
ACCESSORIES RANGE	PAGE
Control Blocks	28
Multiple Spindle Heads	34
Clamps	37-40
Collets	32

AFDE200 electric drive



H21 Tapping Gearbox
Part No. 357193
 Capacity 4.5-8mm
 (3/16"-5/16")
 Use with K32 output

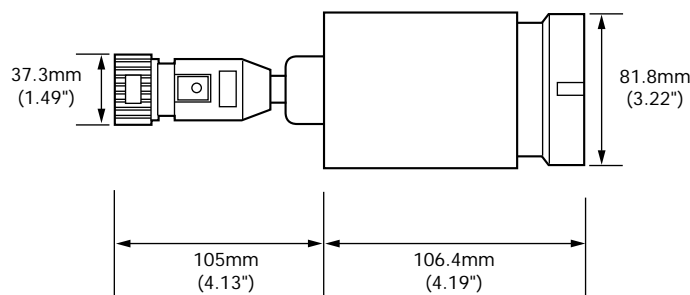
AFDE400/410 electric drive



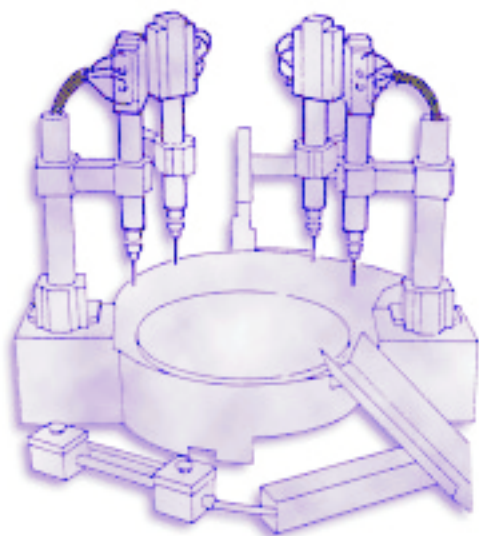
B7 Tapping Gearbox
Part No. 92362
 Capacity 3.5-6.5mm
 (9/64"-1/4")

B8 Tapping Gearbox
Part No. 92892
 Capacity 4.5-8mm
 (3/16"-5/16")

AFDE600/610 electric drive



J19 Tapping Gearbox
Part No. 383813
 Capacity 4.5-9.5mm
 (3/16"-3/8")
 Use with B24 output

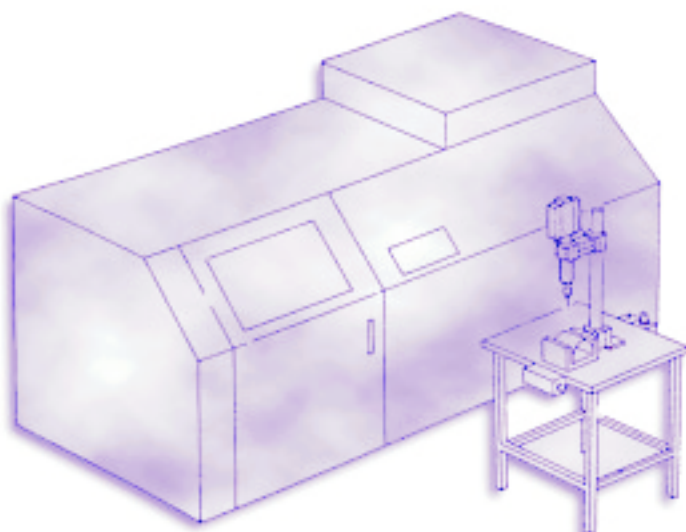
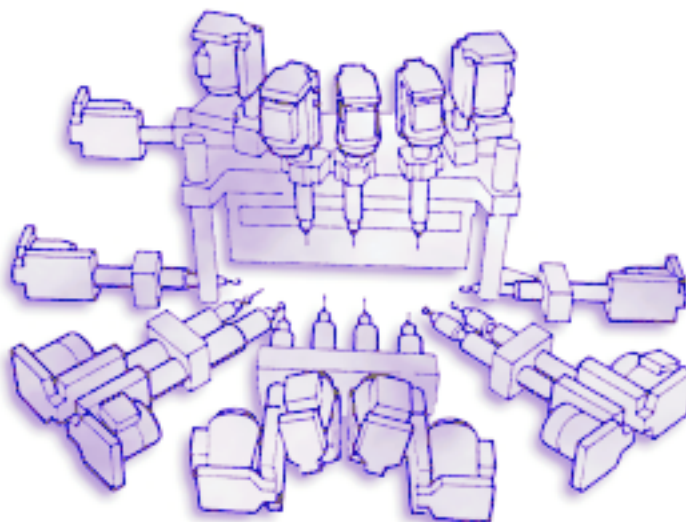


Ease of Incorporation into Machine or Process

- Extensive range of mounting clamps
- Control interfaces to link AFD(E) to other equipment through pneumatics or electrically
- Single signal required for AFD(E) to perform cycle
- Output signals at datum and depth
- Electric motor mounting on 200, 400 and 600 series can be rotated through 180°

Modular Design

- Flexibility of unit function and speed
- Common components in differing models reducing inventory
- Multiple spindle head options
- Drill and tapping options for all models



Comprehensive range of Product

- For single spindle operations to multi spindle processes
- Pneumatic and electric drive from 0.22 to 2.2kW (0.3-3.0HP) with thrusts from 320 to 2670N (72-600lbf)
- Reliability through quality