

Model Codes and How to Order



5. Desoutter Inc 24415 Halstead Road Farmington Hills Michigan 48335 USA telephone +1 248 476 5358 facsimile +1 248 476 3819

Model Type – Pages 6-27

Pneumatic Feed and Drive

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

Pneumatic Feed, Electric Drive

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

Electric Feed and Drive via Leadscrew

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

No Load Speed – Pages 6-27

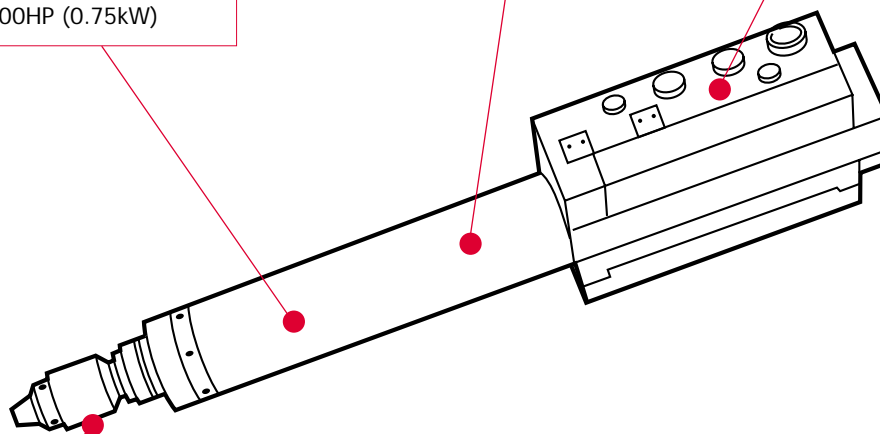
The free output speed of the drill or tapper with no drilling or tapping load applied.

Lou Zampini & Associates

2 Douglas Pike, Rt. 7
Smithfield, RI 02917
1 800 353 4676
FAX 1 401 679 0165

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



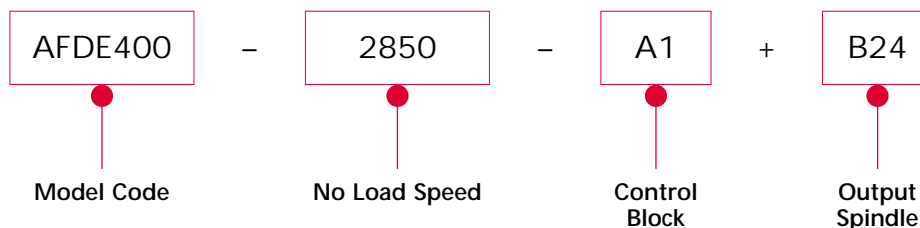
Output Spindle⁽²⁾ – Pages 30/31

Output spindle to be supplied.

⁽¹⁾ Not required on AFTE models.

⁽²⁾ Does not apply for AFD60 and AFT60.

How to Order





Tapping Pneumatic Drive

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AFD/AFT tappers



- Compact tapping units
- Tapping gearboxes feature push-pull drive which automatically reverses when the tool returns
- Capacity up to 1/2" (12mm) in aluminium, 5/16" (8mm) in mild steel

tapping pneumatic drive and feed – *push-pull*

tapping performance specification

TOOL TYPE	SPEED		POWER		TORQUE		STROKE		WEIGHT		AIR CONSUMPTION		SOUND LEVEL
	rpm		kW	HP	Nm	lbf ins	mm	ins	kg	lb	l/s ²	cfm	dB(A)
model code	no load	load (75% of no load)	motor power		tapping torque available		working stroke		weight		per cycle		
AFD205-650	650	490	0.22	0.30	4.3	38.1	50	1.97	4.5	9.9	9.5	20	75
AFD205-1000	1000	750	0.22	0.30	2.8	24.8	50	1.97	4.5	9.9	9.5	20	75
AFD215-650	650	490	0.22	0.30	4.3	38.1	90	3.54	4.8	10.6	9.5	20	75
AFD215-1000	1000	750	0.22	0.30	2.8	24.8	90	3.54	4.8	10.6	9.5	20	75
AFD415-490	490	370	0.38	0.51	9.9	87.6	100	3.94	6.6	14.5	9.9	21	75
AFD415-790	790	595	0.38	0.51	6.1	54.0	100	3.94	6.6	14.5	9.9	21	75
AFD415-1250	1250	940	0.38	0.51	3.9	34.5	100	3.94	6.6	14.5	9.9	21	75
AFT60-550	550	415	0.52	0.70	12.1	107.1	95	3.74	11.9	26.2	15.6	33	77
AFT60-700	700	525	0.52	0.70	9.5	84.1	95	3.74	11.9	26.2	15.6	33	77

AFT60 models are supplied with the tapping head fitted.

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

TOOL TYPE	OUTPUT SPINDLE (SEE PAGE 30)
AFD205	K32
AFD215	K32

How to order

Examples:
 AFD205-650-A1 + K32 + 357193(H21)
 AFD215-1000-A6 + K32 + 357193(H21)
 AFD415-790-A1 + B7
 AFT60-700

Tapping Pneumatic Drive

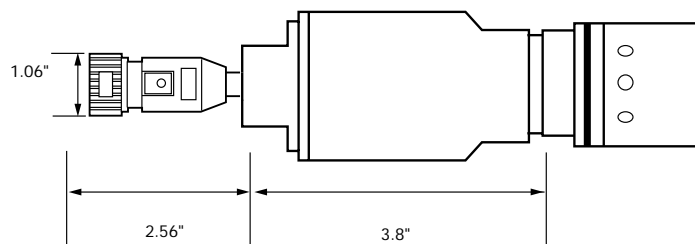


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AFD tappers accessories

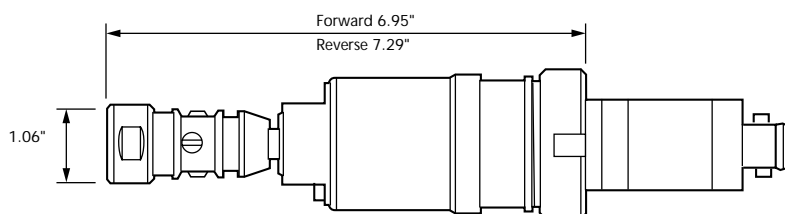
ACCESSORIES RANGE	PAGE
Control Blocks	28
Multiple Spindle Heads	34
Clamps	37-40
Collets	32

AFD205/AFD215 pneumatic drive



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

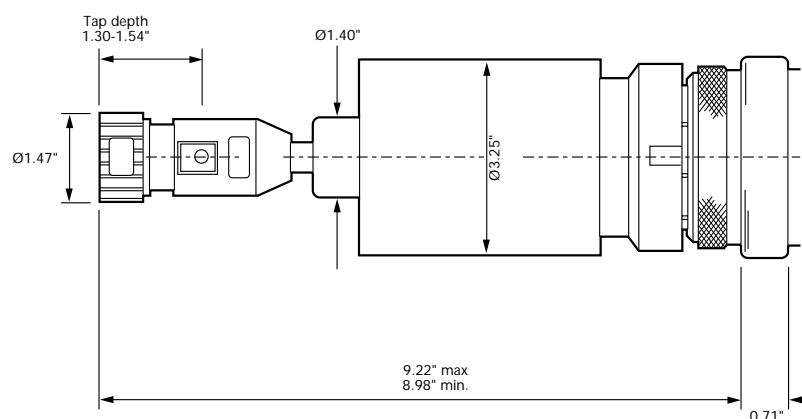
AFD415 pneumatic drive



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

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

AFT60 pneumatic drive

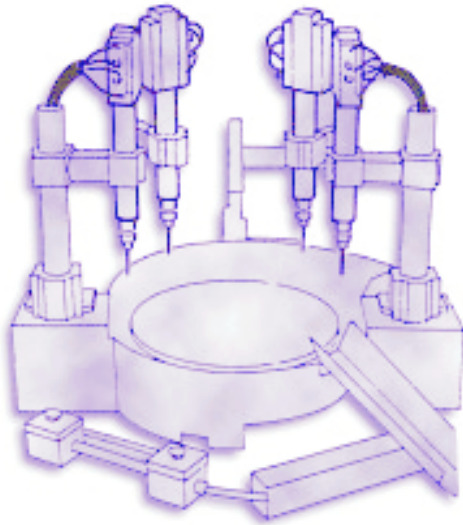


Supplied fitted to tool



AFD Applications

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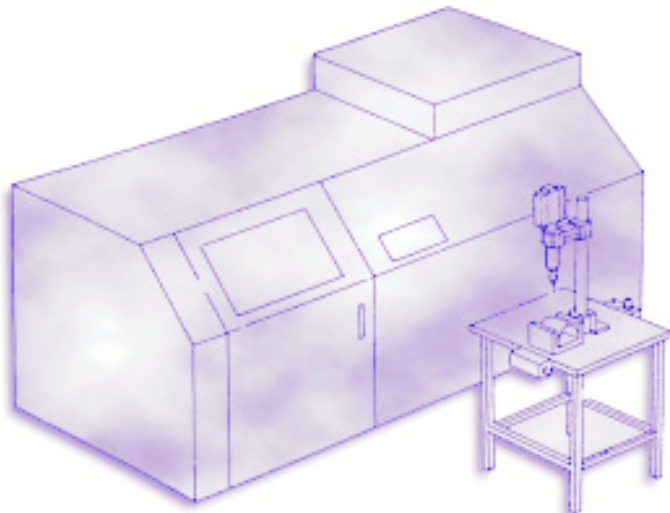
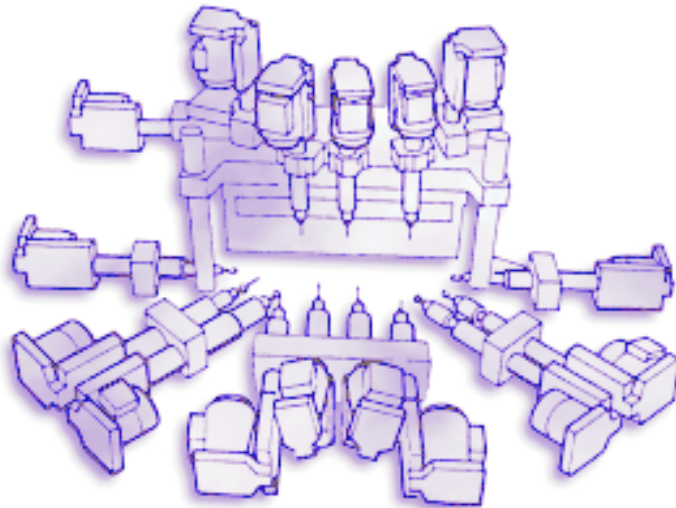


Ease of Incorporation into Machine or Process

- 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 0.3-3.0HP (0.22 to 2.2kW) with thrusts from 72-600lbf (320 to 2670N)
- Reliability through quality