Model Codes and How to Order

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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.

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.

How to Order

AFDE400 - 2850 - A1 + B24

\(^{(1)}\) Not required on AFTE models.
\(^{(2)}\) Does not apply for AFD60 and AFT60.
• 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

<table>
<thead>
<tr>
<th>TOOL TYPE</th>
<th>SPEED no load (rpm)</th>
<th>POWER kW</th>
<th>HP</th>
<th>TORQUE Nm</th>
<th>STROKE lbf ins</th>
<th>WEIGHT lb</th>
<th>AIR CONSUMPTION l/s</th>
<th>SOUND level dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFD205-650</td>
<td>650</td>
<td>0.22</td>
<td>0.30</td>
<td>4.3</td>
<td>38.1</td>
<td>50</td>
<td>1.97</td>
<td>4.5</td>
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<tr>
<td>AFD205-1000</td>
<td>1000</td>
<td>0.22</td>
<td>0.30</td>
<td>2.8</td>
<td>24.8</td>
<td>50</td>
<td>1.97</td>
<td>4.5</td>
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<tr>
<td>AFD215-650</td>
<td>650</td>
<td>0.22</td>
<td>0.30</td>
<td>4.3</td>
<td>38.1</td>
<td>90</td>
<td>3.54</td>
<td>4.8</td>
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<tr>
<td>AFD215-1000</td>
<td>1000</td>
<td>0.22</td>
<td>0.30</td>
<td>2.8</td>
<td>24.8</td>
<td>90</td>
<td>3.54</td>
<td>4.8</td>
</tr>
<tr>
<td>AFD415-490</td>
<td>490</td>
<td>0.38</td>
<td>0.51</td>
<td>9.9</td>
<td>87.6</td>
<td>100</td>
<td>3.94</td>
<td>6.6</td>
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<tr>
<td>AFD415-790</td>
<td>790</td>
<td>0.38</td>
<td>0.51</td>
<td>6.1</td>
<td>54.0</td>
<td>100</td>
<td>3.94</td>
<td>6.6</td>
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<tr>
<td>AFD415-1250</td>
<td>1250</td>
<td>0.38</td>
<td>0.51</td>
<td>3.9</td>
<td>34.5</td>
<td>100</td>
<td>3.94</td>
<td>6.6</td>
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<tr>
<td>AFT60-550</td>
<td>550</td>
<td>0.52</td>
<td>0.70</td>
<td>12.1</td>
<td>107.1</td>
<td>95</td>
<td>3.74</td>
<td>11.9</td>
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<tr>
<td>AFT60-700</td>
<td>700</td>
<td>0.52</td>
<td>0.70</td>
<td>9.5</td>
<td>84.1</td>
<td>95</td>
<td>3.74</td>
<td>11.9</td>
</tr>
</tbody>
</table>

AFT60 models are supplied with the tapping head fitted.

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

<table>
<thead>
<tr>
<th>TOOL TYPE</th>
<th>OUTPUT SPINDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFD205</td>
<td>K32</td>
</tr>
<tr>
<td>AFD215</td>
<td>K32</td>
</tr>
</tbody>
</table>

How to order
Examples:
AFD205-650-A1 + K32 + 357193(H21)
AFD215-1000-A6 + K32 + 357193(H21)
AFD415-790-A1 + B7
AFT60-700
AFD tappers accessories

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PAGE</th>
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</thead>
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<tr>
<td>Control Blocks</td>
<td>28</td>
</tr>
<tr>
<td>Multiple Spindle Heads</td>
<td>34</td>
</tr>
<tr>
<td>Clamps</td>
<td>37-40</td>
</tr>
<tr>
<td>Collets</td>
<td>32</td>
</tr>
</tbody>
</table>

**AFD205/AFD215 pneumatic drive**

- Forward: 6.95"
- Reverse: 7.29"
- Diameter: 1.06"
- Length: 2.56" - 3.8"

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

**AFD415 pneumatic drive**

- Forward: 6.95"
- Reverse: 7.29"
- Diameter: 1.06"

**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**

- Diameter: 1.47" - 1.40"
- Tap depth: 1.30-1.54"
- Length: 9.22" max 8.98" min.
- Diameter: 0.71"
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