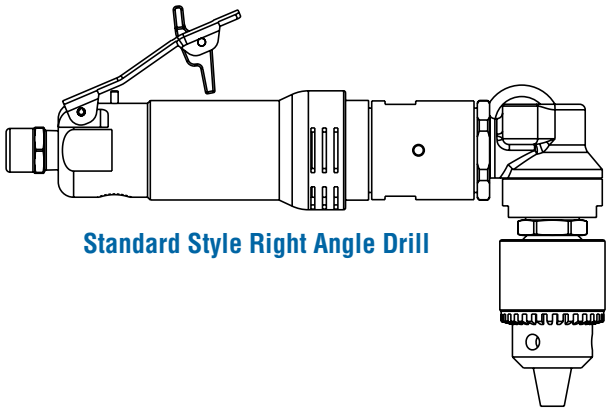
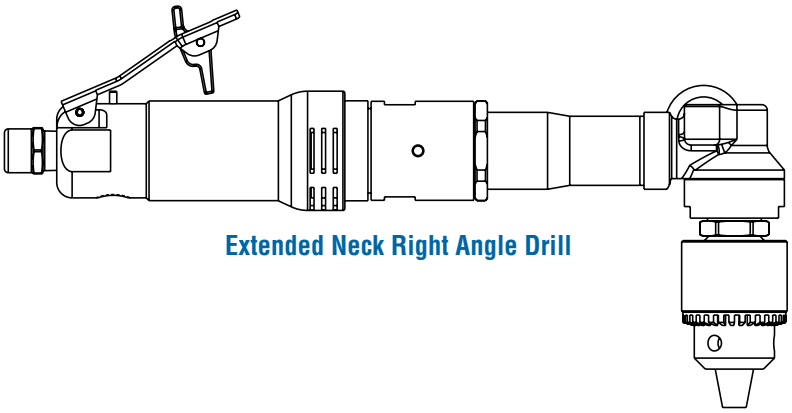
Air Drills

Section Contents

Extend Neck vs Standard

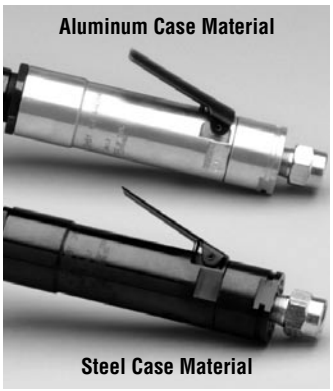


Standard Style Right Angle Drill



Extended Neck Right Angle Drill

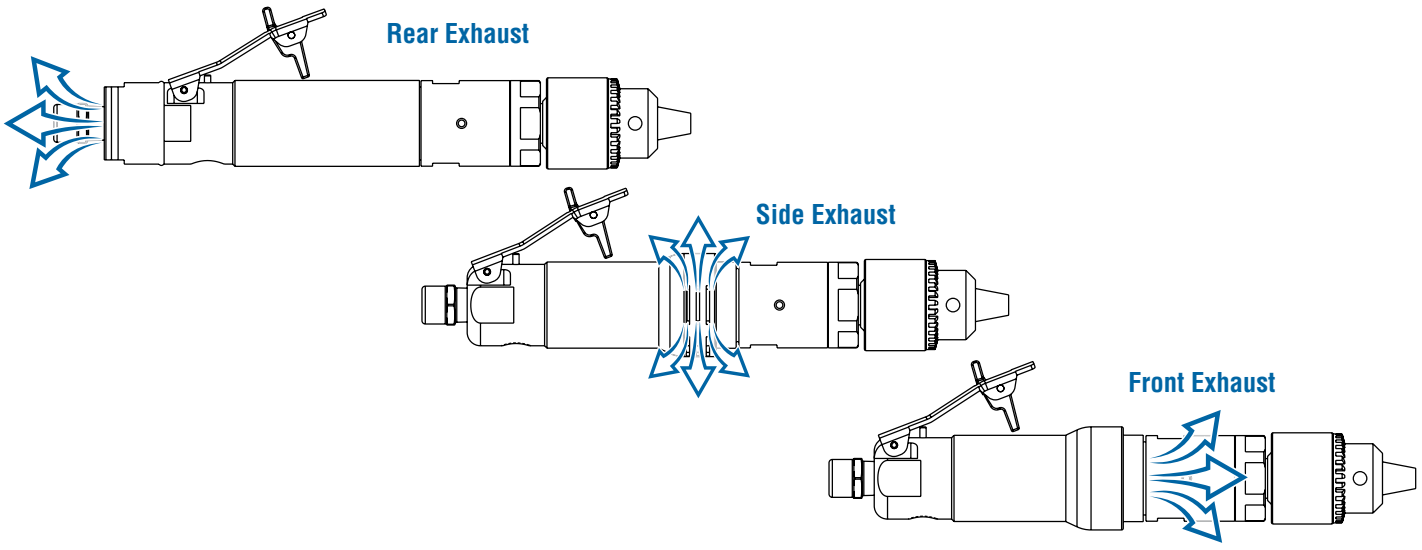
Case Material



The choice of case material affects the weight and durability of the tool. By it's nature, aluminum is lighter in weight than steel. Steel is more durable in aggressive environments.

Lever Style

Exhaust Direction



In-Line Drills

3/8" or 1/2" Drill Chucks
1.2 H.P. (900 W)

*The (X) is representative of gear train number (3, 5 or 8).
The outer appearance of the tool is the same regardless of the gear train number.

Air Inlet Size: 3/8" NPT
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

• Safety Lever

Standard Equipment

• Tool • Operating Instructions and Service Manual • Chuck Key

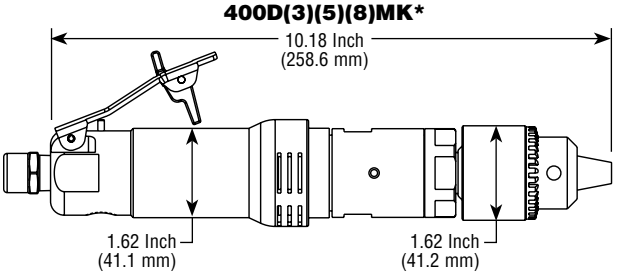
Quick Order Number

This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Chuck Size	Maximum Operating Speed	Throttle Handle Type	
			Standard Lever	Safety Lever
400D	3/8"	5500 RPM	400D3M;3/8	400D3MK;3/8
		4200 RPM	400D5M;3/8	400D5MK;3/8
		2500 RPM	400D8M;3/8	400D8MK;3/8
		900 RPM	400D21M;3/8	400D21MK;3/8
		550 RPM	400D36M;3/8	400D36MK;3/8
	1/2"	5500 RPM	400D3M;1/2	400D3MK;1/2
		4200 RPM	400D5M;1/2	400D5MK;1/2
		2500 RPM	400D8M;1/2	400D8MK;1/2
		900 RPM	400D21M;1/2	400D21MK;1/2
		550 RPM	400D36M;1/2	400D36MK;1/2

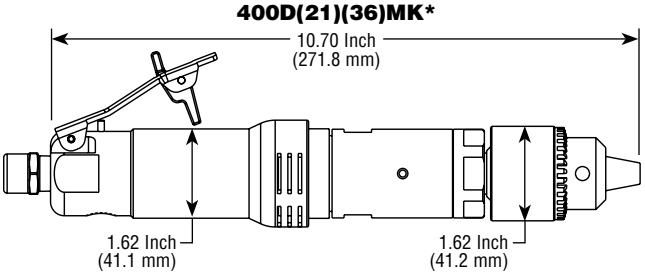
The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.

400D(3)(5)(8)MK*



1.2 H.P. (900 W) | 3.5 Lb. (1.6 Kg) Aluminum 4.1 Lb. (1.9 Kg)Steel | 35 cfm Max (16.5 L/s)

400D(21)(36)MK*



1.2 H.P. (900 W) | 3.8 Lb. (1.7 Kg) Aluminum 4.3 Lb. (1.9 Kg)Steel | 35 cfm Max (16.5 L/s)

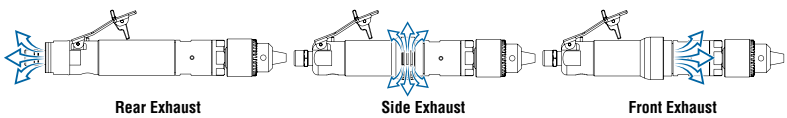
***Rear exhaust adds 0.82 Inch (20.8mm) to overall length.**

Example Model Number: **400D3M K S R ; 5500 ; 1/2**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Case Material	Exhaust Direction	Operating Speed	Drill Chuck Size
⚙ 400D3M	*Please choose one of the following options:* **No Designation** - Standard Lever **K** - Safety Lever	*Please choose one of the following options:* **No Designation** - Aluminum Case **S** - Steel Case	*Please choose one of the following options:* **No Designation** - Side Exhaust **R** - Rear Exhaust **F** - Front Exhaust	**5500** - 5500 R.P.M.	*Please choose one of the following options:* **3/8** - 3/8 Inch **1/2** - 1/2 Inch
⚙ 400D5M				**4200** - 4200 R.P.M.	
⚙ 400D8M				**2500** - 2500 R.P.M.	
⚙ 400D21M				**900** - 900 R.P.M.	
⚙ 400D36M				**550** - 550 R.P.M.	

⚙ Geared Tool



WARNING: Comply with the speed recommendation of component and bit manufacturers.

In-Line Drills

1/2" or 3/4" Drill Chucks
1.5 H.P. (1130 W)

Air Inlet Size: 1/2" NPT
Hose Size Recommendations: 1/2" (13 mm)
Standard Equipment

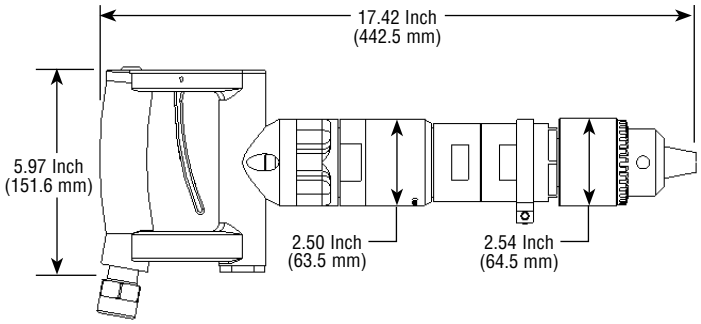
- Tool
- Operating Instructions and Service Manual
- Chuck Key

Quick Order Number

Model Number	Chuck Size	Maximum Operating Speed	Ordering Number
500D2M	1/2"	1000 R.P.M	500D2M;D1/2
	3/4"		500D2M;D3/4

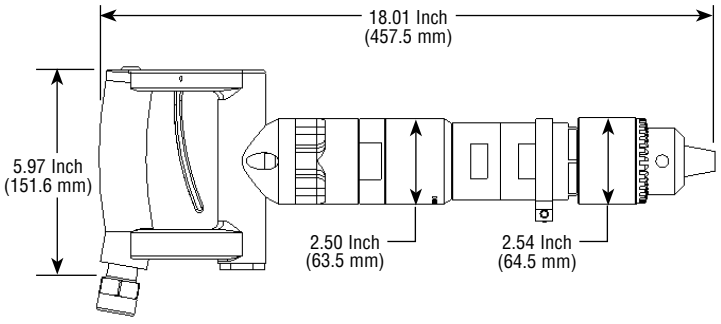
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

500D2M



HP 1.5 H.P. (1500 W) | Lbs 10.8 Lb. (4.9 Kg) | cfm 35 cfm Max (16.5 L/s)

507D2M



HP 1.5 H.P. (1500 W) | Lbs 10.8 Lb. (4.9 Kg) | cfm 20 cfm (9.4 L/s) Free Speed 35 cfm (16.5 L/s) Max

Example Model Number: **500D2M ; 5500 ; 1/2**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Operating Speed	Drill Chuck Size
500D2M	1000 - 1000 R.P.M.	*Please choose one of the following options:* 1/2 - 1/2 Inch 3/4 - 3/4 Inch
507D2M	400-900 - 400-900 R.P.M.**	

Governor Controlled Tool

**The range offered reflects the minimum to maximum operating speeds that this tool can be set. One must choose a speed within this range that best fits the application. Please examine the abrasive used with the tool for a maximum operating speed. The tool should be set at or below the maximum operating speed listed on the abrasive.

WARNING: Comply with the speed recommendation of component and bit manufacturers.

Right Angle Drills

3/8" or 1/2" Drill Chucks
1.2 H.P. (900 W)

*The (X) is representative of gear train number (3, 5 or 8).
The outer appearance of the tool is the same regardless of the gear train number.

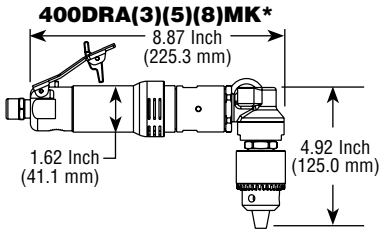
Air Inlet Size: 3/8" NPT
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

• Safety Lever

Standard Equipment

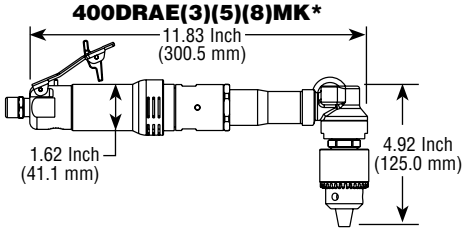
• Tool • Operating Instructions and Service Manual • Chuck Key

400DRA(3)(5)(8)MK*



1.2 H.P. (900 W) | 4.9 Lb. (2.2 Kg) Aluminum 5.5 Lb. (2.5 Kg) Steel | 35 cfm (16.5 L/s) Max

400DRAE(3)(5)(8)MK*



1.2 H.P. (900 W) | 5.4 Lb. (2.4 Kg) Aluminum 6.0 Lb. (2.7 Kg) Steel | 35 cfm (16.5 L/s) Max

***Rear exhaust adds 0.82 Inch (20.8mm) to overall length.**
Versions with 2 planetary gear systems (21) & (36) add 0.52 Inch (13.2 mm) to overall length.

Quick Order Number

This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Chuck Size	Maximum Operating Speed	Throttle Handle Type	
			Standard Lever	Safety Lever
400DRA	3/8"	2700 RPM	400DRA3M;3/8	400DRA3MK;3/8
		2000 RPM	400DRA5M;3/8	400DRA5MK;3/8
		1200 RPM	400DRA8M;3/8	400DRA8MK;3/8
		440 RPM	400DRA21M;3/8	400DRA21MK;3/8
		260 RPM	400DRA36M;3/8	400DRA36MK;3/8
	1/2"	2700 RPM	400DRA3M;1/2	400DRA3MK;1/2
		2000 RPM	400DRA5M;1/2	400DRA5MK;1/2
		1200 RPM	400DRA8M;1/2	400DRA8MK;1/2
		440 RPM	400DRA21M;1/2	400DRA21MK;1/2
		260 RPM	400DRA36M;1/2	400DRA36MK;1/2

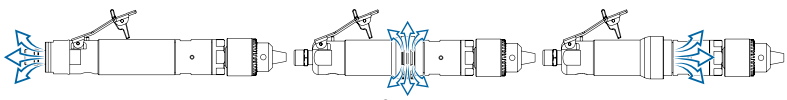
The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.

Example Model Number: **400DRA3M K S R ; 2700 ; 1/2**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Case Material	Exhaust Direction	Operating Speed	Drill Chuck Size
400DRA3M	*Please choose one of the following options:* **No Designation** - Standard Lever **K** - Safety Lever	*Please choose one of the following options:* **No Designation** - Aluminum Case **S** - Steel Case	*Please choose one of the following options:* **No Designation** - Side Exhaust **R** - Rear Exhaust **F** - Front Exhaust	**2700** - 2700 R.P.M.	*Please choose one of the following options:* **3/8** - 3/8 Inch **1/2** - 1/2 Inch
400DRA5M				**2000** - 2000 R.P.M.	
400DRA8M				**1200** - 1200 R.P.M.	
400DRA21M				**440** - 440 R.P.M.	
400DRA36M				**260** - 260 R.P.M.	
400DRAE3M				**2700** - 2700 R.P.M.	
400DRAE5M				**2000** - 2000 R.P.M.	
400DRAE8M				**1200** - 1200 R.P.M.	
400DRAE21M				**440** - 440 R.P.M.	
400DRAE36M				**260** - 260 R.P.M.	

Geared Tool



WARNING: Comply with the speed recommendation of component and bit manufacturers.

Floor Drills

3/8" or 1/2" Drill Chuck
1.2 H.P. (900 W)

*The (X) is representative of gear train number (3, 5 or 8).
The outer appearance of the tool is the same regardless of the gear train number.

Air Inlet Size: 1/2" NPT
Hose Size Recommendations: 1/2" (13 mm)
Standard Equipment

• Tool • Drill Chuck Key • Operating Instructions and Service Manual

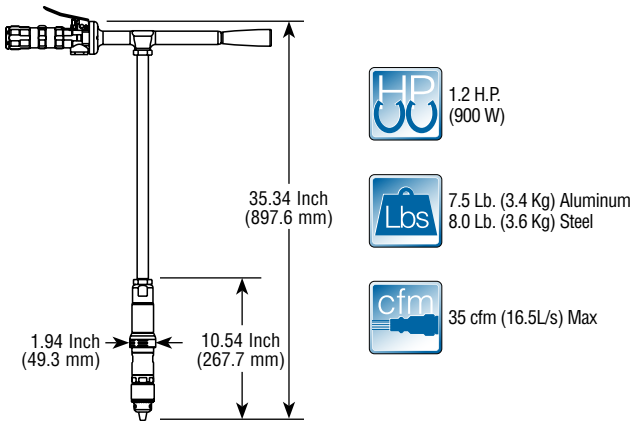
Quick Order Number

This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Chuck Size	Maximum Operating Speed	Throttle Handle Type	
			Standard Lever	Safety Lever
400FD	3/8"	5500 RPM	400FD3ML;3/8	400FD3MK;3/8
		4200 RPM	400FD5ML;3/8	400FD5MK;3/8
		2500 RPM	400FD8ML;3/8	400FD8MK;3/8
		900 RPM	400FD21ML;3/8	400FD21MK;3/8
		550 RPM	400FD36ML;3/8	400FD36MK;3/8
	1/2"	5500 RPM	400FD3ML;1/2	400FD3MK;1/2
		4200 RPM	400FD5ML;1/2	400FD5MK;1/2
		2500 RPM	400FD8ML;1/2	400FD8MK;1/2
		900 RPM	400FD21ML;1/2	400FD21MK;1/2
		550 RPM	400FD36ML;1/2	400FD36MK;1/2

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.

400FD(3)(5)(8)MK*



*** Versions with 2 planetary gear systems (21) & (36) add 0.52 Inch (13.2 mm) to overall length**

FLOOR DRILLS

Example Model Number: **400FD3M K ; 5500 ; 1/2 ; P15**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Operating Speed	Drill Chuck Size	Pipe Extension Length
⚙400FD3M	*Please choose one of the following options:* **L** - Standard Lever **K** - Safety Lever **B** - Thumb Switch **LTK** - Turned/Knurled Standard Lever **KTK** - Turned/Knurled Safety Lever **BTK** - Turned/Knurled Thumb Switch **LTKW** - Turned/Knurled/Cushioned Standard Lever **KTKW** - Turned/Knurled/Cushioned Safety Lever **BTKW** - Turned/Knurled/Cushioned Thumb Switch	**5500** : 5500 R.P.M.	*Please choose one of the following options:* **3/8** : 3/8 Inch **1/2** : 1/2 Inch	**P15** - 15" Extension Length (15 inch is standard equipment other sizes are available)
⚙400FD5M		**4200** : 4200 R.P.M.		
⚙400FD8M		**2500** : 2500 R.P.M.		
⚙400FD21M		**900** : 900 R.P.M.		
⚙400FD36M		**550** : 550 R.P.M.		

⚙ Geared Tool

WARNING: Comply with the speed recommendation of component and bit manufacturers.

Floor Drills

1/2" or 3/4" Drill Chucks
1.5-2.0 H.P. (1130-1500 W)

Air Inlet Size: 1/2" NPT
Hose Size Recommendations: 1/2" (13mm)
Chuck Size: 1/2" (13mm) or 3/4" (19mm)
Standard Equipment
• Tool • Drill Chuck Key • Operating Instructions and Service Manual

Quick Order Number

Model Number	Chuck Size	Maximum Operating Speed	Throttle Type	
			Standard Lever	Safety Lever
500FD1M	1/2"	4000 RPM	500FD1M;D1/2	500FD1MK;D1/2
	3/4"		500FD1M;D3/4	500FD1MK;D3/4

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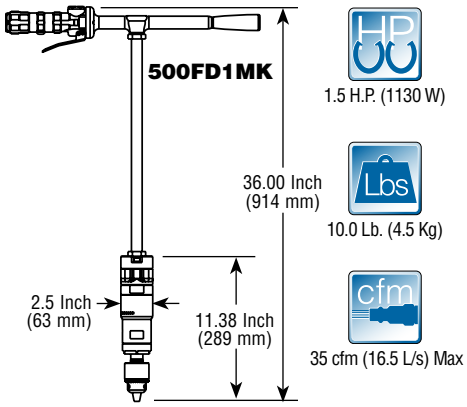

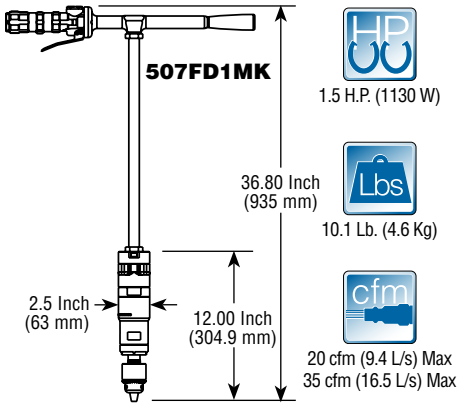

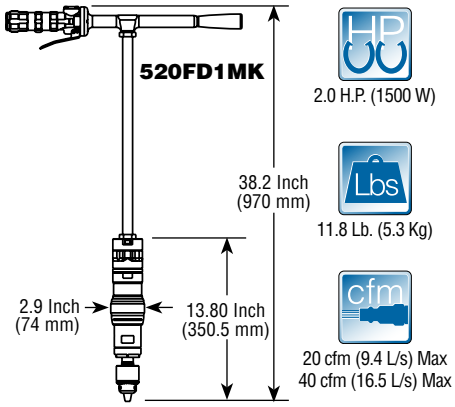

Example Model Number: **500FD1M K ; 4000 ; 1/2 ; P15**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Operating Speed	Drill Chuck Size	Pipe Extension Length
⚙ 500FD1M	*Please choose one of the following options:* **L** - Standard Lever **K** - Safety Lever **B** - Thumb Switch **LTK** - Turned/Knurled Standard Lever **KTK** - Turned/Knurled Safety Lever **BTK** - Turned/Knurled Thumb Switch **LTKW** - Turned/Knurled/Cushioned Standard Lever **KTKW** - Turned/Knurled/Cushioned Safety Lever **BTKW** - Turned/Knurled/Cushioned Thumb Switch	**4000** : 4000 R.P.M.*	*Please choose one of the following options:* **3/4** - 3/4 Inch **1/2** - 1/2 Inch	**P15** - 15" Extension Length (15 inch is standard equipment other sizes are available)
⚙ 507FD1M		**1750-3600** : 1750-3600R.P.M.*		
⚙ 520FD1M		**1500-3000** : 1500-3000 R.P.M.*		

⚙ Geared Tool

*The range offered reflects the minimum to maximum operating speeds that this tool can be set. One must choose a speed within this range that best fits the application. Please examine the abrasive used with the tool for a maximum operating speed. The tool should be set at or below the maximum operating speed listed on the abrasive.

WARNING: Comply with the speed recommendation of component and bit manufacturers.