



NPK[®]

**MPT is the Exclusive Importers Since 1959
For North & South America**

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Air Hoist Efficient, High Speed Material Handling

NPK air hoists are engineered to provide high lifting speeds and accurate control. Lightweight, compact design for use in a stationary position, but can also be quickly moved to another location. Air hoists are extremely useful in hazardous environments where electrical hoists are prohibited. Features external brake adjustment, exhaust muffler, built-in lubricator and swivel mounted air inlet.

Extra Rugged Construction

Durable construction for constant, heavy-duty use. Designed for fast-moving production assembly operations and heavy manufacturing industries.

Overload-Proof Air Motor for a Wide Safety Margin

The rotary vane air motor is completely enclosed. Motor is not affected by fumes, dirt or heat. Motor and controls can withstand constant stopping and sudden starting. Can be overloaded or stalled without damage to the hoist. Motor is inherently self-cooling and cannot be burned out.

Safety Hooks and Automatic Limit Stops

Top and bottom hooks have safety snaps and hoist has automatic limit stops to prevent overtravel.

Variable Speed Control

Operator can choose any speed from the slowest creep to full throttle. The heaviest loads can be positioned or raised quickly and accurately. Features an external screw adjustment for lift and descent speeds.

Pendant Type Control

Leaves the operator with one hand free to guide the load with precise control. Preferred compact design and easy handling.

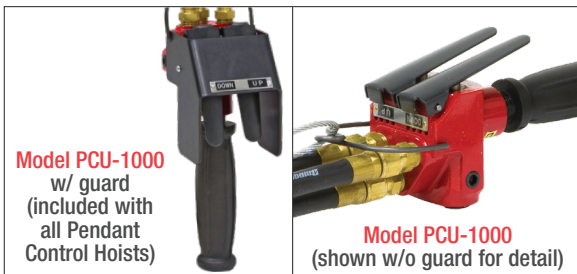
Caution

This equipment is not to be used for lifting, supporting or transporting people, or for lifting or supporting loads over people.



RHL-500-10
1/2 Ton Capacity

RHL-1000-10
1 Ton Capacity



Model PCU-1000
w/ guard
(included with
all Pendant
Control Hoists)

Model PCU-1000
(shown w/o guard for detail)

Model	Chain Type	Capacity	Control	Standard Lift	No. of Falls	Std. Load Chain	Headroom	Lift Speed at Capacity	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
RHL-250-10 RHL-250P-10	Link	550 lbs	Pullcord Pendant	10 ft	1	9 ft	17"	88.6 ft/min	35.2 lbs 39.6 lbs	1/2"	3/8"	45.9 cfm
RHL-500-10 RHL-500P-10	Link	1100 lbs	Pullcord Pendant	10 ft	1	9 ft	17"	41.3 ft/min	35.2 lbs 39.6 lbs	1/2"	3/8"	45.9 cfm
RHL-1000-10 RHL-1000P-10	Link	2200 lbs	Pullcord Pendant	10 ft	2	18 ft	20"	18.7 ft/min	48.4 lbs 51.7 lbs	1/2"	3/8"	45.9 cfm
RHL-2800-10 RHL-2800P-10	Link	6160 lbs	Pullcord Pendant	10 ft	2	25 ft	28"	7.2 ft/min	132.0 lbs 136.4 lbs	3/4"	1/2"	60.0 cfm

Extra lift can be installed for an additional charge. Link chain hoists equipped with chain basket. Most parts for the above hoists are interchangeable with ARO, Chicago Pneumatic and Yale hoists.



NBH-400

Riveting Hammers

NPK rivet hammers are among the most popular for aircraft riveting. Easily controlled, slow, heavy blows deliver just the right impact to form the rivet head without excessive work hardening of the rivet or stretching the surrounding metal. Also handy for light chipping, scraping, metal cutting, peening and other hammering applications.

See page 6-10 for rivet sets.

Model	Shank Diameter	Dural Capacity	Steel Capacity	Stroke	Bore	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NBH-400	0.401	1/4"	3/16"	3-3/4"	1/2"	1600	8-9/16"	3.1 lbs	1/4"	3/8"	4 cfm
NBH-600A	0.498	5/16"	1/4"	2-11/16"	3/4"	1500	9"	4.4 lbs	1/4"	3/8"	6 cfm



AA-OSPH

Chipping Hammer W/RET HS

Powerful and lightweight for a wide range of applications. Ideal for stone, metal, concrete, foundry, refractory and brick applications. Features a spring style retainer.

Stroke	Bore	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3"	11/16"	3200	11-1/16"	5.3 lbs	1/4"	3/8"	12.4 cfm

Available Chisels

- 17300087 Flat Chisel
- 17300075 Point Chisel
- 17300822 Wide Chisel with Spring



DIG-9

Clay Digger

The NPK Dig-9 clay digger is lightweight and easy to operate for excavation and demolition. Ideal for mining hard pan, clay digger hand trimming tunnel work.

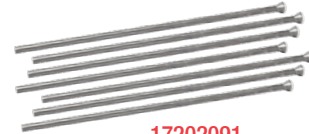
See pages 2-13 and 2-14 for chisel and spade accessories.

Shank Type	Retainer Type	Piston Stroke	Bore	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
7/8" Hex x 3-1/4"	Sleeve	2-1/2"	1-11/16"	1500	18-7/8"	22 lbs	3/8"	1/2"	39 cfm



NHR-00 Micro Needle Scaler

The lightest, slimmest needle scaler in its class. Excellent for removing weld-spatter, rust, paint and other debris from many different and unusual surfaces and in hard-to reach places. Ideal for shipyards, fabrication shops, refineries and foundries. Set of 7 pcs 3mm needles included.



17202091
Needles (7)

Stroke	Bore	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/2"	9/16"	6500	8-1/2"	1.81 lbs	1/4"	3/8"	2 cfm



S-2
Roll Throttle



S-2L

Pistons



H-30203
Standard Steel
Tip Piston



F22B00C550
Optional Carbide
Tip Piston

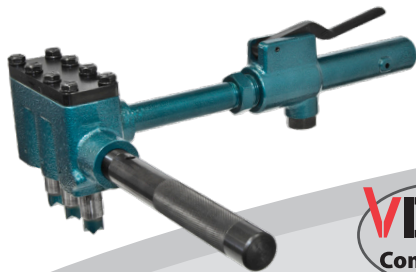
S-2 Scaling Hammer

Single reciprocating piston delivers rapid blows to remove rust, scale, and old paint. Designed for structural steel and boiler industries.

S-2L Scaling Hammer

Strong and lightweight with a single reciprocating piston and lever throttle. Delivers rapid vibrating action to remove old paint, rust and scale from structural steel, boilers, tanks and castings. No chisels are required as the hammer piston itself acts as a chisel.

Model	Stroke	Piston Diameter	Blows Per Minute	Length	Height	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
S-2	9/16"	1-3/16"	3500	19-5/16"	4"	4.6 lbs	3/8"	3/8"	14.1 cfm
S-2L	9/16"	1-3/16"	3500	19-1/2"	4"	5.9 lbs	3/8"	3/8"	14.1 cfm



MS-30L Lever Type Triplex Scaler

Designed for heavy-duty work such as scaling bridges, ship decks and hulls, railroad cars, structural steel pipe, and roughing concrete. Can be mounted to a frame for multiple tool work. A dead handle is standard and may be replaced with a pipe plug for scaling in close quarters.

Pistons



17510600
Piston (qty 3)



F24B00C550-CP
Carbide Tip
Piston (qty 3)



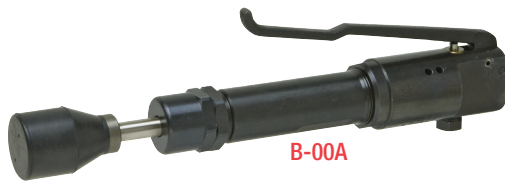
17515023
Carbide Tip
4-Point
Piston (qty 3)

Stroke	Piston Diameter	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3/8"	7/8"	7000	13-1/16"	8.4 lbs	3/8"	1/2"	19.4 cfm

Sand Rammers

B-00A

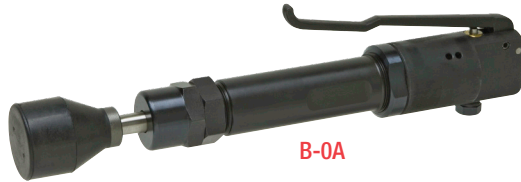
Sand rammer delivers fast, powerful blows with minimal shock. Extended throttle lever design provides greater ease of handling for ramming small and medium casting flasks molded on the bench. Ideal for the core room. Additional rubber butts available in 1-3/4" to 3-1/4" diameter.



B-00A

B-0A

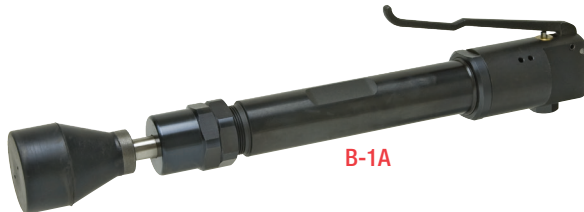
Sand rammer delivers fast, powerful blows for ramming small, medium and large casting flasks on the bench or floor. Extended throttle lever design provides greater ease of handling with reduced operator fatigue. Additional rubber butts available in 2-1/2" to 4" diameters.



B-0A

B-1A

Fast, hard hitting design to deliver maximum power for smooth, efficient work. Lightweight, provides ease of operation and control. Great for heavy tamping, ramming fire clay and ideal for furnace work. Additional rubber butts available in 2-1/2" to 4" diameters.



B-1A

Model	Butt Diameter	Taper	Bore	Stroke	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
B-00A	1-9/16" Rubber	S	23/32"	2-3/8"	1600	13-1/4"	4.5 lbs	1/4"	3/8"	7.1 cfm
B-0A	2" Rubber	M	7/8"	2-3/8"	750	14-15/16"	7.0 lbs	1/4"	1/2"	8.8 cfm
B-1A	2-1/2" Rubber	ML	1"	4-1/2"	850	19-1/8"	12.5 lbs	3/8"	1/2"	14.1 cfm

F-2

Long Reach Rammer

Designed with a new automatic valve which eliminates unnecessary maintenance normally encountered with sand and dirt abrasion. Piston is plated for long life. Ideal for foundry work, backfill tamping between foundations and other job site obstructions. Additional rubber butts available in 2-1/2" to 5" diameters.



Butt Diameter	Taper	Bore	Stroke	Blows Per Minute	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
2-3/4" Rubber	L	1-1/4"	4-3/4"	750	44"	19.8 lbs	3/8"	1/2"	19.4 cfm

NPK Rubber Butts



F40010D700
1-9/16" Dia.
S Taper

F41010D700
2" Dia.
M Taper

F42010D700
2-1/2" Dia.
ML Taper

F53000D700
2-3/4" Dia.
L Taper

F53000D700-278
2-7/8" Dia.
L Taper

F54000D700
3-3/8" Dia.
T Taper

NPK Steel Butts



RG-01420-1.5
1-1/2" Dia.
S Taper

RG-01420
2-1/2" Dia.
S Taper

RG-03420
2-1/2" Dia.
M Taper

F53A00D210
2-3/4" Dia.
L Taper

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SW-12

3/8" Square Drive Angle Impact

Features a friction ring anvil. Used mostly in repair shops and garages. This lightweight impact is distinguished by its low air consumption and exceptional power. Also features an integrated power regulator for easy adjustment. SW-12P Pin-Type anvil also available.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3/8" Friction Ring	165 ft-lbs	4-7/8"	2.8 lbs	1/4"	3/8"	3.5 cfm



NW-800S

3/8" Square Drive Straight Impact

Features a pin-type anvil. Used mostly in manufacturing, repair shops, garages and assembly applications. This lightweight impact is distinguished by its low air consumption and exceptional power.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3/8" Pin-Type	48 ft-lbs	7"	2.4 lbs	1/4"	3/8"	3.51 cfm



NW-1200BPTS

1/2" Square Drive Pistol Impact

Features a pin-type anvil. This compact, single hammer impact wrench is easily maneuverable for hard-to-reach places, rugged and lightweight. Features built-in 4-step power regulator standard. Frequently used in repair shops, garages and assembly applications.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/2" Pin-Type	118 ft-lbs	6-7/8"	4 lbs	1/4"	3/8"	3.5 cfm



NW-1600HARTR

1/2" Square Drive Pistol Impact

Features a combination friction ring and through-hole anvil. Lightweight single hammer impact wrench ideal for automotive repair and assembly applications. Features an ergonomic grip, quick reverse lever and built-in 4-step power regulator standard.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/2" Dual Retainer	184 ft-lbs	7-11/16"	5.5 lbs	1/4"	3/8"	5.3 cfm



NAW-1200SPTS

1/2" Square Drive Straight Impact

Features a pin-type anvil. Single hammer impact wrench is used in repair and garage workshops. Features a built-in power regulator to provide four steps of power control. This lightweight impact is distinguished by its low air consumption and exceptional power.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/2" Pin-Type	170 ft-lbs	11"	4.3 lbs	1/4"	3/8"	3.5 cfm



NAW-1200

1/2" Square Drive Right Angle Impact

Features a pin-type anvil. Single hammer impact wrench is used in repair and garage workshops. Features four steps of power control. This lightweight impact is distinguished by its low air consumption and exceptional power.

Drive	Max Torque	Angle Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/2" Pin-Type	120 ft-lbs	3-1/16"	14-5/16"	6.6 lbs	1/4"	3/8"	3.5 cfm



NWH-320P

1" Square Drive Pistol Impact

This industrial model features a through-hole anvil. Efficient, heavy-duty clutch impact allows fast rundown and high torque output. Very effective in shipyards, bridge building, construction sites and heavy manufacturing plants.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1" Through-Hole	1325 ft-lbs	15-7/8"	21.5 lbs	3/8"	1/2"	17.7 cfm



NWH-320B

1" Straight Impact

Features a through-hole anvil. Ideal for extra heavy-duty jobs, eliminating the use of hand wrenches. Efficient, heavy-duty clutch allows fast rundown and high torque output. Uses brass end plates for longer wear.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1" Through-Hole	1325 ft-lbs	15-3/16"	21.38 lbs	3/8"	1/2"	17.7 cfm



NW-5000A

1" Straight Impact Wrench

Features a through-hole anvil. Single hammer impact offers the ultimate power for those tough jobs. Heavy-duty construction for dependability. Features a built-in 4-step power regulator.

Drive	Max Torque	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1" Through-Hole	1696 ft-lbs	18-1/4"	36.3 lbs	1/2"	1/2"	15.9 cfm



NAW-19A

3/4" Square Drive Right Angle Impact

Features a through-hole anvil. Right angle impact puts out the right amount of power for fast, effortless nutrunning of 3/4" nuts and bolts. Compact size and easy maneuverability permits nutrunning with minimum clearance. Built-in power regulator. Uses brass end plates for longer wear.

Drive	Max Torque	Angle Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3/4" Through-Hole	470 ft-lbs	5-13/16"	16-3/8"	23.3 lbs	3/8"	1/2"	17.7 cfm



NAW-32LA

1" Angle Outside Trigger

Features a through-hole anvil. This right angle impact performs with a gear assembly designed to bear heavy pounding. Used anywhere a straight type impact won't reach. Offers the ultimate in power for challenging nutrunning jobs in hard-to-reach areas with minimum clearance. Uses brass end plates for longer wear.

Drive	Max Torque	Angle Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1" Through-Hole	925 ft-lbs	7-1/2"	19-1/16"	39.6 lbs	1/2"	1/2"	30 cfm



NWH-500

Extra Heavy-Duty Impact Wrench

Features a through-hole anvil. Ideal for extra heavy nutrunning jobs performed by slow and laborious hand wrench methods. Eliminates costly sledging, battering and burning of frozen nuts. Indispensable for production and maintenance jobs in shipyards, steel mills and heavy machinery manufacturing plants. Uses brass end plates for longer wear.

Square Drive	Max Torque	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1-1/2" Through-Hole	4425 ft-lbs	3500 rpm	22-5/16"	63.8 lbs	1"	3/4"	43 cfm



NPW-550APTS-T00



NPW-1600APTS-000

NPK's "Pulsus" oil pulse mechanism tools feature a dual chambered air motor that needs no lubrication and provides low vibration, low noise, and high durability. These lightweight, compact tools offer high performance and highly accurate tightening torque with easy torque adjustment. Other features include an ergonomic grip and a quick reverse that can be positioned on either side of the tool for either right or left-handed operation.

Pulsus Wrench Specifications

Model	Drive	Torque Range	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NPW-450APTS-000	3/8" Pin-Type	18-31 ft.-lbs	6500 rpm	6-1/16"	2.0 lbs	1/4"	3/8"	10.6 cfm
NPW-550APTS-000	3/8" Pin-Type	20-38 ft.-lbs	6500 rpm	6-1/4"	2.2 lbs	1/4"	3/8"	12.4 cfm
NPW-650APTS-000	3/8" Pin-Type	32-47 ft.-lbs	5500 rpm	6-3/4"	2.3 lbs	1/4"	3/8"	15.9 cfm
NPW-800BPTS-000	3/8" Pin-Type	47-69 ft.-lbs	5300 rpm	7"	3.2 lbs	1/4"	3/8"	17.7 cfm
NPW-1000APTS-000	1/2" Pin-Type	52-81 ft.-lbs	5300 rpm	7-9/16"	4.2 lbs	1/4"	3/8"	19.4 cfm
NPW-1200APTS-000	1/2" Pin-Type	66-101 ft.-lbs	4200 rpm	7-11/16"	5.1 lbs	1/4"	3/8"	21.2 cfm
NPW-1400APTS-000	1/2" Pin-Type	87-123 ft.-lbs	3500 rpm	8-9/16"	6.2 lbs	1/4"	3/8"	28.3 cfm
NPW-1600APTS-000	3/4" Pin-Type	95-155 ft.-lbs	3000 rpm	9-7/16"	7.9 lbs	1/4"	3/8"	31.8 cfm

Automatic Shut-Off Pulsus Wrench Specifications

Model	Drive	Torque Range	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NPW-450APTS-T00	3/8" Pin-Type	15-21 ft.-lbs	6000 rpm	7-1/2"	2.9 lbs	1/4"	3/8"	12 cfm
NPW-550APTS-T00	3/8" Pin-Type	19-29 ft.-lbs	6000 rpm	7-1/2"	2.9 lbs	1/4"	3/8"	12 cfm
NPW-650APTS-T00	3/8" Pin-Type	29-40 ft.-lbs	5800 rpm	8-1/8"	3.3 lbs	1/4"	3/8"	16 cfm
NPW-800BPTS-T00	3/8" Pin-Type	42-55 ft.-lbs	5500 rpm	8-3/8"	3.7 lbs	1/4"	3/8"	18 cfm



SD-4

Adjustable Clutch Screwdriver

Industrial screwdriver features a push-to-start mechanism for greater operator control. Adjustable torque control is easily changed by tightening or loosening control spring. Lightweight for industrial applications.

Bit Capacity	Torque Range	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3/16"	9-30 in-lbs	2000 rpm	8-3/4"	1.3 lbs	1/8"	3/8"	7.1 cfm



ND-5LPX

1/4" Reversible Screwdriver

Heavy-duty, high speed, high torque impact driver features a rotatable handle exhaust and easy to operate button throttle. Also features a 1/4" slip chuck bit holder for rapid bit change.

Bit Capacity	Torque Range	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/4"	160-200 in-lbs	12,000 rpm	6-1/2"	1.4 lbs	1/4"	3/8"	5.3 cfm



ND-6HSX

1/4" Impact Type Screwdriver

Heavy-duty, high speed, high torque impact driver features a rotatable rear exhaust, straight handle and easy to operate lever throttle. Also features a 1/4" slip chuck bit holder for rapid bit change.

Bit Capacity	Torque Range	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/4"	215-575 in-lbs	9000 rpm	8-3/4"	2.1 lbs	1/4"	3/8"	8.8 cfm



ND-6SDY

1/4" Reversible Screwdriver

Heavy-duty straight impact driver for production fastening applications. Features a built-in power regulator and 1/4" slip chuck bit holder.

Bit Capacity	Torque Range	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/4"	159-442 in-lbs	6000 rpm	7-13/16"	2.6 lbs	1/4"	3/8"	5.3 cfm



NRD-6PBT

1/4" Non-Reversible Heavy-Duty Drill

Ideal for aircraft and sheet metal repair. Lightweight industrial drill with a teasing throttle for starting holes. Exhausts through the handle to avoid blowing debris. Equipped with Jacobs 1B-3/8 medium-duty chuck.

Chuck Capacity	Free Speed	Spindle Thread	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/4"	2400 rpm	3/8"-24	5-7/8"	1.8 lbs	1/4"	3/8"	17.7 cfm



NRD-6SAT

1/4" Non-Reversible Straight Drill

Compact, lightweight drill fits the palm of the hand. Features a lever throttle for safe, easy start up. Ideal for hard-to-reach drilling areas. Planetary gearing provides sufficient torque for light reaming applications. Equipped with Jacobs 1B-3/8 medium-duty chuck.

Chuck Capacity	Free Speed	Spindle Thread	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/4"	2800 rpm	3/8"-24	6-9/16"	1.8 lbs	1/4"	3/8"	17.7 cfm



NRD-10PT

3/8" Non-Reversible Heavy-Duty Drill

Production drill designed for use on assembly and maintenance applications. Bronze end plates ensure long life and durability. Power-to-weight ratio exceeds similar models. Equipped with Jacobs 41BA-3/8 industrial-duty chuck.

Chuck Capacity	Free Speed	Spindle Thread	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
3/8"	2000 rpm	3/8"-24	6-1/8"	2.4 lbs	1/4"	3/8"	19.4 cfm



NRD-12PA

1/2" Non-Reversible Heavy-Duty Drills

Heavy-duty drill built to take the punishment of continuous production use. Rugged design assures the best possible drilling performance. Smooth operation allows for accurate drilling, reaming and tapping. Adjustable handle included. NRD-12PA equipped with Jacobs 34-06 heavy-duty chuck. NRD-12PAT equipped with Jacobs 33BA-1/2 heavy-duty chuck.

Model	Chuck Capacity	Free Speed	Spindle	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NRD-12PA	1/2"	1500 rpm	6JT	7-3/8"	5.7 lbs	1/4"	3/8"	23 cfm
NRD-12PAT	1/2"	1500 rpm	1/2"-20	7-3/8"	5.7 lbs	1/4"	3/8"	23 cfm

Step 1. Select Motor No.

Motor	Free Speed	Capacity	
		Drilling	Reaming/Tapping
NRD-14R NRD-14RU‡	1100 rpm	9/16"	3/8"
NRD-16R NRD-16RU‡	900 rpm	5/8"	1/2"
NRD-19R NRD-19RU‡	750 rpm	3/4"	5/8"
NRD-22R NRD-22RU‡	600 rpm	7/8"	3/4"

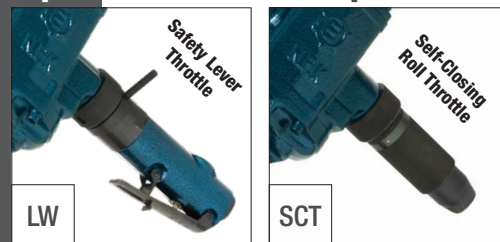
‡ Underwater Motor

Step 2. Select Spindle Option

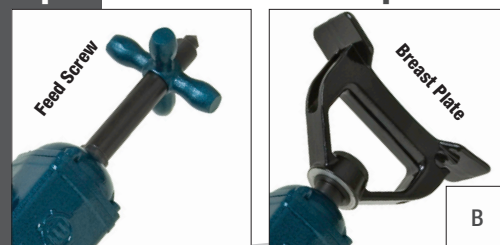


Option Code	Ordering Exceptions
#1 Morse Taper	NRD-14 Series only (Standard: do not specify)
2M	NRD-16 thru NRD-22 (Standard: do not specify)
5C	NRD-14 Series thru NRD-22 Series
6C or 7C	NRD-19 and NRD-22 Series only
W	Includes Breast Plate (Step 4)

Step 3. Select Throttle Option



Step 4. Select Rear Feed Option



Option Code	Ordering Exceptions
Feed Screw	Standard: do not specify
B	Included with Option W (Step 2)



NRD-19RWSCT

Heavy-Duty Reversible Drills

Ideal for production work, boasting smooth operation for accurate drilling, reaming, tapping and wood boring. Possesses the lugging power to maintain speed when under load. Powerful and efficient for use in railroad shops, shipyards, tool rooms and all types of construction work. Features ball bearing support for long life. Includes dead handle. Equipped with 1/2" air inlet thread requiring avg. air consumption of 39 cfm. Recommended hose size of 1/2".

- Built-in lubricator
- 2 hp motor, 2-3/8" feed length

Example for Ordering

MOTOR NO.	SPINDLE FEED OPTION	THROTTLE OPTION	REAR FEED OPTION	MODEL NO. FOR ORDERING
NRD-19R Step 1	W Step 2	SCT Step 3	** Step 4	NRD-19RWSCT

Step 1. Select Motor No.

Motor	Free Speed	Capacity	
		Drilling	Reaming/Tapping
NRD-23R NRD-23RU†	500 rpm	15/16"	3/4"
NRD-25R NRD-25RU†	400 rpm	1"	7/8"
NRD-28R NRD-28RU†	350 rpm	1-1/8"	7/8"
NRD-32LR NRD-32LRU†	270 rpm	1-1/4"	1"

†Underwater Motor



NRD-23RSCT

Heavy-Duty Reversible Drills

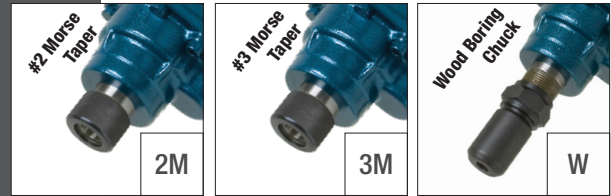
Heavy-duty reversible drills are preferred for production work as they have absolutely smooth operation for accurate drilling, reaming, tapping and nutrunning. They possess the lugging power to keep their speed when under load. Their power and efficiency make them ideal tools for use in railroad shops, shipyards, tool rooms and all types of construction work. Features ball bearing support for long life. Includes dead handle. Equipped with 3/8" (safety lever throttle) or 1/2" (self-closing roll throttle) air inlet thread requiring avg. air consumption of 50 cfm. Recommended hose size of 1/2".

- Built-in lubricator
- Spindle protection nut (2M and 3M spindles only)
- 3 hp, 4" feed length

Example for Ordering

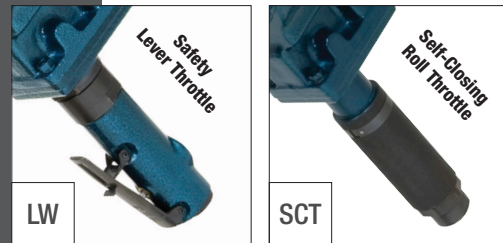
MOTOR NO.	SPINDLE OPTION	THROTTLE OPTION	REAR FEED OPTION	MODEL NO. FOR ORDERING
NRD-23R Step 1	+	* Step 2	+	SCT Step 3
		+	** Step 4	=
				NRD-23RWSCT

Step 2. Select Spindle Option

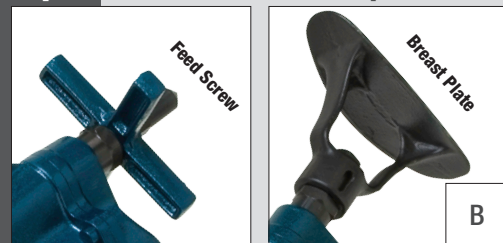


Option Code	Ordering Exceptions
2M	NRD-23 Series (Standard: do not specify)
3M	NRD-25 thru NRD-32 (Standard: do not specify)
W	Includes Breast Plate (Step 4)

Step 3. Select Throttle Option



Step 4. Select Rear Feed Option

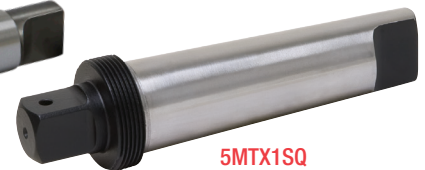
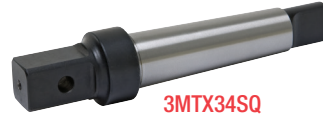


Option Code	Ordering Exceptions
Feed Screw	Standard: do not specify
B	Included with Option W (Step 2)

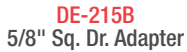
Morse Taper Arbors



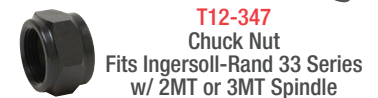
Model	Morse Taper	Drive
A0261	2MT	3/8"-24 Threaded
A0264	2MT	1/2"-20 Threaded
A0268	2MT	5/8"-16 Threaded
R33W-151-0.50	2MT	Wood Boring Chuck
R33SW-151A-0.50	3MT	Wood Boring Chuck
2MTX12SQ	2MT	1/2" Square
3MTX12SQ	3MT	1/2" Square
3MTX34SQ	3MT	3/4" Square
33SH-214	3MT	3/4" Square
3MTX1SQ	3MT	1" Square
4MTX1SQ	4MT	1" Square
5MTX1SQ	5MT	1" Square



MP-222 Accessories



Other Manufacturer Accessories



Jacobs® Arbors

Morse taper to Jacobs® taper arbors can be used to adapt any Morse taper drill to accept Jacobs® chucks. These adapters improve drill operation and make drill bit changes quicker.



Jacobs® Taper	#1 Morse Taper Model	#2 Morse Taper Model	#3 Morse Taper Model	#4 Morse Taper Model	#5 Morse Taper Model
1JT	A0101	A0201	A0301	—	—
2JT	A0102	A0202	A0302	A0402	—
3JT	—	A0203	A0303	A0403	A0503
4JT	—	A0204	A0304	A0404	A0504
5JT	—	—	A0305	A0405	A0505
6JT	A0106	A0206	A0306	A0406	—
33JT	A0133	A0233	A0333	A0433	—



RG-383-20 - Front Exhaust

Die Grinder

Features close tolerance-machined aluminum motor housing and extremely durable motor components for extended use in industrial applications. Ideal for the precise, delicate finishing required in handling small points and burrs.

Collet Size	Free Speed	Maximum HP	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
1/4"	22,000 rpm	0.5	7"	1.3 lbs	1/4"	3/8"	17.7 cfm



NHG-65DLW



NHG-65D
Roll Throttle

Straight Wheel Grinders - Side Exhaust

Ideal for boiler tube applications and grinding or deburring deep, intricate castings. Light, aluminum housing and safety throttle allows for safe, maneuverable grinding. Removes metal fast. NHG-65D Series equipped with wheel guard. Wheel not included.

Model	Throttle Style	Wheel Capacity	Spindle Thread	Free Speed	Max HP	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NHG-65D	Safety Roll	2-1/2" x 1/2" x 3/8"	3/8"-16	14,600 rpm	1	12-3/16"	2.9 lbs	1/4"	3/8"	19.4 cfm
NHG-65DLW	Safety Lever	2-1/2" x 1/2" x 3/8"	3/8"-16	14,600 rpm	1	13-5/16"	2.9 lbs	1/4"	3/8"	19.4 cfm
NHG-65LD	Safety Roll	2-1/2" x 1/2" x 3/8"	3/8"-16	14,600 rpm	1	20-1/16"	3.5 lbs	1/4"	3/8"	19.4 cfm
NHG-65LDLW	Safety Lever	2-1/2" x 1/2" x 3/8"	3/8"-16	14,600 rpm	1	21-3/16"	3.5 lbs	1/4"	3/8"	19.4 cfm



NHG-65LKLWA-20



NHG-65LKA-20
Roll Throttle

Straight Collet Grinders - Side Exhaust

Lightweight aluminum grinder with narrow housing allows operator access to difficult areas. Ideal for one-hand operation. Integrated safety throttle mechanism ensures operator safety. Not equipped with wheel guard. 6mm collet grinders also available.

Model	Collet Size	Free Speed	Spindle Thread	Maximum HP	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NHG-65LKLWA-20	1/4"	19,000 rpm	3/8"-16	1	21-1/4"	3.5 lbs	1/4"	3/8"	19.4 cfm
NHG-65LKA-20	1/4"	19,000 rpm	3/8"-16	1	20-1/8"	3.5 lbs	1/4"	3/8"	19.4 cfm



NHG-100ALW



NHG-100A
Roll Throttle

4" Straight Grinders - Side Exhaust

High speed straight grinder designed for continuous duty production work in grinding, wire brushing and polishing. Powerful, with a quick acting throttle to provide balanced, easy handling for efficient metal removal. For all industrial applications in foundries and shipyards.

Model	Wheel Capacity	Spindle Thread	Free Speed	Maximum HP	Motor Housing Outer Diameter	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NHG-100A	4" x 3/4" x 1/2"	1/2"-13	9500 rpm	1	2-1/2"	14-5/16"	5.1 lbs	3/8"	1/2"	23 cfm
NHG-100ALW	4" x 3/4" x 1/2"	1/2"-13	9500 rpm	1	2-1/2"	16-3/16"	5.1 lbs	3/8"	1/2"	23 cfm



NHG-125LW



NHG-125
Roll Throttle

5" Straight Grinders - Side Exhaust

High speed straight grinder designed for continuous duty production work in grinding, wire brushing and polishing. Powerful, with a quick acting throttle to provide balanced, easy handling for efficient metal removal. For all industrial applications in foundries and shipyards.

Model	Wheel Capacity	Spindle Thread	Free Speed	Maximum HP	Motor Housing Outer Diameter	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NHG-125	5" x 3/4"	1/2"-12	7500 rpm	1.4	3-1/2"	15-15/16"	7 lbs	3/8"	1/2"	32 cfm
NHG-125LW	5" x 3/4"	1/2"-13	7500 rpm	1.4	3-1/2"	17-13/16"	7 lbs	3/8"	1/2"	32 cfm



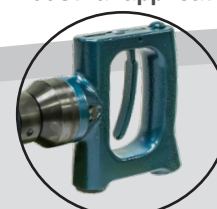
NHG-150LW

6" Straight Grinders - Side Exhaust

Powerful grinders for use with resinoid wheels. Designed to be lightweight for easier handling, and powerful for the heaviest work. Speed regulator provides constant speed according to wheel diameter. Perfect for all industrial applications.



NHG-150
Roll Throttle



NHG-150D
D-Handle

Model	Wheel Capacity	Spindle Thread	Free Speed	Maximum HP	Motor Housing Outer Diameter	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NHG-150	6" x 1"	5/8"-11	6200 rpm	2	3-1/4"	17-3/16"	10.1 lbs	3/8"	1/2"	39 cfm
NHG-150LW	6" x 1"	5/8"-11	6200 rpm	2	3-1/4"	19-1/8"	10.1 lbs	3/8"	1/2"	39 cfm
NHG-150D	6" x 1"	5/8"-11	6200 rpm	2	3-1/4"	22"	13.6 lbs	1/2"	1/2"	39 cfm

Angle Grinders - Side Exhaust

Small, compact design allows operator to cut and/or grind in the tightest corners and most confined spaces. High rpm is ideal for diamond abrasives.



NGE-050

NGE-050LW

Model	Wheel Capacity	Arbor	Free Speed	Maximum HP	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NGE-050	2" Type 1, Type 27	3/8"	15,000 rpm	0.55	6-1/4"	1.55 lbs	1/4"	3/8"	17 cfm
NGE-050LW	2" Type 1, Type 27	3/8"	15,000 rpm	0.55	6-1/4"	1.55 lbs	1/4"	3/8"	17 cfm

Angle Grinders - Side Exhaust

Small, rugged, versatile angle grinder will do a multitude of jobs with minimal operator fatigue. Heavy enough to remain stable, yet light enough to be maneuvered easily around complex shapes. Wheel not included.



NAG-1FLW

Model	Wheel Capacity	Spindle	Free Speed	Maximum HP	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NAG-1FLW	4" Type 27	3/8"-24	12,700 rpm	1.2	9-1/8"	3.5 lbs	1/4"	3/8"	24 cfm
NAG-1FLW-05	5" Type 27	3/8"-24	12,000 rpm	1.2	9-1/8"	3.65 lbs	1/4"	3/8"	24 cfm

Angle Grinders - Rear Exhaust

Features rear exhaust and ability to change abrasive in seconds. No more fumbling with multiple wrenches. Simply depress the spindle locking mechanism on top of the housing and remove the abrasive product. Features a left or right-hand dead handle, 2-step safety lever throttle, and a composite plastic handle. Equipped with dead handle. Wheel not included.



NAG-11A-U5

NAG-11A-C4

Collet

Model	Capacity	Spindle	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NAG-11A-U5	5" Type 27 Wheel	5/8"-11	12,000 rpm	1.2	4-3/8"	9-7/8"	4.5 lbs	3/8"	1/2"	28 cfm
NAG-11A-C4	1" Carbide Burr, 2" Wheel	ER11-1/4" Collet	12,000 rpm	1.2	3-1/8"	9-7/8"	2.9 lbs	3/8"	1/2"	28 cfm

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15-17



7" Angle Grinders - Side Exhaust

Heavy-duty grinder designed for continuous service. Two-step safety lever throttle allows operator to run full speed for metal removal or throttle down for delicate blending work.

Model	Wheel Capacity	Spindle	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NAG-70A	7" Type 27	5/8"-11	7600 rpm	1.3	4-3/16"	10-1/4"	6.8 lbs	3/8"	1/2"	42.4 cfm
NAG-70ALWSS	7" Type 27	5/8"-11	7600 rpm	1.3	4-3/16"	11-1/8"	6.8 lbs	3/8"	1/2"	42.4 cfm



Angle Grinders - Side Exhaust

Powerful heavy-duty grinder designed to withstand the continuous service encountered in plants. Lever type throttle allows operator to throttle down for delicate work or run full speed for maximum metal removal. Equipped with a lever throttle. Available with wire brush. Wheel not included.

Model	Wheel Capacity	Spindle	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NAG-2ELW	7" Type 27	5/8"-11	7600 rpm	1.8	5-7/16"	12-5/8"	9 lbs	3/8"	1/2"	42.4 cfm
NAG-230ELW-MP	9" Type 27	5/8"-11	5500 rpm	1.8	5-5/16"	12-5/8"	9.5 lbs	3/8"	1/2"	42.4 cfm



NAG-2ELW-WATER

NPK NAG Series - Side Exhaust 7" & 9" Water Feed Grinders

Rugged, powerful, heavy-duty tool for steady production stone grinding. Maintains cutting speed under load. Removes material fast with less operator effort. Equipped with dead handle, guard and 6 ft hose with standard water faucet connector.

Model	Wheel Capacity	Spindle	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NAG-2ELW-WATER	7" Type 27	5/8"-11	7600 rpm	1.8	6-1/8"	12-5/8"	10 lbs	3/8"	1/2"	42.4 cfm
NAG-230ELW-WATER	9" Type 27	5/8"-11	5500 rpm	1.8	6-1/16"	12-5/8"	10.5 lbs	3/8"	1/2"	42.4 cfm



DAC-11

Rotary Cutter - Front Exhaust

Features front exhaust. Ideal for automotive repair, sheet metal and fiberglass industries. Features diamond tipped cutting blade. Great for panel sawing and trimming. Adjustable cutting depth allows for maximum versatility. Extra diamond blades available.

Blade Diameter	Depth of Cut	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
2-1/8"	3/8"	13,000 rpm	1	2-1/4"	11-3/4"	3.7 lbs	1/4"	1/4"	16 cfm



80-4HD

4" Fiberglass Trimmer - Side Exhaust

Compact, precision saw for the glass-reinforced plastic industry. Fast, powerful cutting with effective dust extraction. Exhaust air is directed away from the operator.

Blade Diameter	Depth of Cut	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
4"	29/32"	12,700 rpm	1.2	3-1/4"	11"	4.5 lbs	1/4"	3/8"	24 cfm



80-5HD

5" Heavy-Duty Fiberglass Trimmer - Side Exhaust

Ideal saw for the glass-reinforced plastic industry. Dust extraction cowl directs exhaust away from the operator.

Blade Diameter	Depth of Cut	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
5"	1-13/32"	12,700 rpm	1.2	3-1/4"	11-1/2"	5 lbs	1/4"	3/8"	24 cfm



80-7HD15

7" Heavy-Duty Fiberglass Trimmer - Side Exhaust

Heavy-duty trimmer designed for the glass-reinforced plastic industry. Powerful 1.3 HP motor allows for fast precision cutting. Dust extraction cowl directs exhaust away from the operator.

Blade Diameter	Depth of Cut	Free Speed	Maximum HP	Height	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
7"	2"	7600 rpm	1.3	5-7/16"	13-3/4"	11.75 lbs	3/8"	1/2"	42.4 cfm



NSG-100

High-Speed Sander - Front Exhaust

Industrial quality compact, perfectly balanced sanders for fine detail applications. Ideal for foundry, casting finishing, paint preparation and high quality body and fender shops.

Capacity	Free Speed	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
4" Disk	13,000 rpm	6-3/16"	2 lbs	1/4"	1/4"	14.1 cfm



Roll Throttle

NRV-70

Concrete Vibrators

Powerful, high-frequency vibrators for compaction of concrete to produce dense concrete. Ideal for pours of low slump concrete in walls, columns and close quarters. Rugged, efficient, and easily maneuvered. All vibrators are equipped with 8 ft exhaust hose.

Model	Vibrating Force	Vibrations Per Minute	Head Diameter	Head Length	Head Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
NRV-11	66 kg-F	15,000	1-1/2"	12-7/32"	9.9 lbs	3/8"	3/8"	25 cfm
NRV-30	263 kg-F	15,000	2-1/4"	15-5/32"	16.3 lbs	3/8"	3/8"	35 cfm
NRV-70	658 kg-F	11,500	3"	15-3/4"	25.3 lbs	3/8"	3/8"	45 cfm



JAC-3

Vacuum

Efficient tool for cleaning of dust, metal chips, water and other debris. Ideal for woodworking, metal fabrication and machine shops.

- Compact and lightweight
- Tremendous vacuuming power
- Swivel handle
- No moving parts to wear out
- Built-in suspension bail
- Lock-off throttle lever



*JAC-3 Vacuum comes with Bag, Exhaust & 2 Different Nozzles

Vacuum Force	Rec'd Vacuum Hose	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
78.74 in H ₂ O	1-1/4"	9-1/16"	1.7 lb	1/4"	3/8"	28.3 cfm



NRT-8P - Handle Exhaust Reversible Tapper

Industrial model. Double trigger tapper with 2-step quick reverse throttle makes tapping work speedy, leaving a fine finish. Equipped with Jacobs 2-01 medium-duty chuck. Model NRT-8P-JTC with Jacobs Tap Chuck 42-01 available. Tap not included.

Chuck Capacity	Free Speed	Spindle Thread	Length	Weight	Air Inlet Thread	Rec'd Hose Size	Avg. Air Consumption
5/16"	1700 rpm	#1 Jacobs Taper	7-1/8"	2.6 lbs	1/4"	3/8"	19.4 cfm

Jacobs® Tap Chucks

Full range of tap chucks for tapping machines and portable tappers.

- Designed for use with Rubber-Flex® collets
- Positive-drive chuck jaws for superior performance
- Simple quarter-turn of chuck screw to disengage back jaws



Tap Chuck Specifications

Model No.	Tap Capacity	Mount Style	Overall Length	Maximum Diameter	Round Shank Capacity		Available Rubber-Flex® Collets †	Weight
					Minimum	Maximum		
41-01	# 0-1/4"	1JT*	2.00"	0.84"	0.09"	0.25"	J116, J117	2 oz
42-01	#10-5/16"	1JT*	2.50"	1.06"	0.09"	0.38"	J420, J421, J422, J423	6 oz
42-02	#10-5/16"	2 short JT*	2.50"					5 oz
42-24	#10-5/16"	0.3675 Dia.	2.50"					6 oz
42-J8	#0-1/4"	0.375 Sq. Hole	2.31"					6 oz
44-02	5/16-5/8"	2JT*	3.12"	1.47"	0.11"	0.50"	J440, J441, J443	12 oz
44-06	5/16-5/8"	6JT*						
44-J9	#10-1/2"	0.500 Sq. Hole						

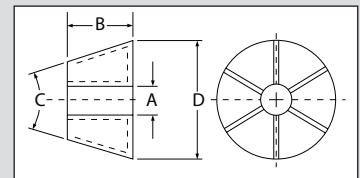
* Jacobs® Taper

† Rubber-Flex® Collets are not included. Must be ordered separately.

Jacobs® Rubber-Flex® Collets

Outperform conventional split-steel collets in gripping power, accuracy and durability.

- Durable one-piece construction
- Precision ground steel jaw inserts ensure maximum grip
- Seals collets and machine spindles to protect from abrasive particles



Rubber-Flex® Collet Specifications

Model No.	Capacity Range (A)		Contact Length (B)	Cone Angle (C)	Outside Dia. (D)	Number of Inserts
	Min.	Max.				
J116	0.094"	0.177"	0.468"	26°	0.590"	6
J117	0.177"	0.256"				8
J420	0.176"	0.320"	0.500"	40°	0.941"	6
J421	0.139"	0.257"				6
J422	0.253"	0.383"				6
J423	0.090"	0.180"				4
J440	0.280"	0.500"	0.630"	45°	1.296"	6
J441	0.176"	0.383"				6
J443	0.110"	0.280"				6
		0.620"				4

Replacement Parts

Model No.	Nut	Rubber-Flex® Collet	Back Jaws	Nut Wrench	Body Wrench
41-01	N410	J116, J117	U400	K400N	K400B
42-01	N421	J420, J421, J422, J423	U420	K420N	K420B
42-02					K420B
42-J8					None
42-24					K420B
44-02	N441	J440, J441, J443	U440	K440N	K420N
44-06					K420N
44-J9					None

Don't Forget Your Essential Air Tool Gear!

- High-Wear & Consumable Parts
- Air Tool Oil & In-Line Lubricators
- Air Hoses & Whip Hose Assemblies
- Portable FRL's & Moisture Separators
- Safety Lock Cables & Clips



Air Movers
(Page 17-5)



Portable FRL's
(Page 17-4)



Portable Moisture Separator
(Page 17-3)

Whip Hoses

1/2" Lubricator Whip Hose Assemblies

Model	Assembly Components			Air Flow @ 70 PSI
	Fitting to Tool	Hose	Lubricator	
MP-2HW-HDS	3/8" MPT	1/2" ID x 6 ft	0-R w/CP Fitting	30 cfm
MP-3HW-HDS	1/2" MPT			



1/2" Black Hydraulic Whip Hose Assemblies (300 psi)

Model	Assembly Components		
	Integral Swivel Fitting	Hose	Lubricator
2HW-HYD-OLF	3/8" MPT	1/2" ID x 6 ft	OL-F CP Fitting
3HW-HYD-OLF	1/2" MPT		



Industrial Grade Air Hoses - with Fittings

- Maximum pressures 200/250/300 psi
- Heavy-duty double strand
- High tensile rayon cord
- Tough neoprene
- Oil resistant



Model	Hose ID	Hose OD	Length	Max. PSI	Fittings
AH-5	3/4"	1-5/32"	50 ft	300 psi	CP Fittings

Other sizes also available. All air hoses are industrial grade construction.

Safety Lock Cables

Helps prevent injury due to broken hose connections. Spring-powered loops provide a firm grip on the hose. Bleed air pressure from hose before removing safety lock cable.



SLC1

Model	Cable Description (Dia x L)	Fits Hose OD
SLC1	1/8" x 20"	1/2" to 1-1/4"
SLC2	1/4" x 38"	1-1/2" to 3"

Air Tool Oil

A specially formulated high grade lubricating oil for all piston and rotary-type air tools. Lubricates and rustproofs for longer tool life.

OIL-080 – 4 Ounce (12 per case)

OIL-085 – 1 Quart (6 per case)

OIL-014 – 1 Gallon (4 per case)

