

# POWER TOOLS

GENERAL CATALOG



# Pneumatic & Electric Power Tools, Labor-saving plus Improved Work Efficiency!



Whether you just glance through this booklet or give it an intensive reading, we are sure you'll agree that NITTO KOHKI's portable hydraulic and electric machines and pneumatic hand tools are among the finest precision engineered equipment to be found today.

	Manufacturing	Sheet-Metal Working
<b>NEEDLE SCALER</b> <b>JET CHISEL</b>	Various peening works	Paint & rust scaling
<b>AIR HAMMER</b> <b>AUTO CHISEL</b>	Rivet calking, bush inserting & removing	Sheet metal cutting, paint chiseling, rivet punching
<b>PNEUMATIC SCALER</b> <b>SUPER KELEN</b>	-	-
<b>PNEUMATIC CHIPPING HAMMER</b> <b>AIR CHIPPER</b>	-	-
<b>PNEUMATIC GRINDER AND SANDER</b> <b>MYTON</b>	Sanding, grinding, chamfering, finishing	Chamfering, rough grinding, mold grinding
<b>PNEUMATIC DIE GRINDER</b> <b>AIR SONIC</b>	Metal working, surface smoothing	Various grinding work
<b>PNEUMATIC HACKSAW</b> <b>SUPER SAW</b>	Cuts with small radii	Cutting of mild steel plates, aluminum, plastics and other materials
<b>PORTABLE PRECISION FINISHING FILE</b> <b>SUPER HAND</b>	Precision filing of flash, chamfering, sanding, groove finishing	Trimming, filing in narrow space, surface regulation
<b>PORTABLE PRECISION FINISHING FILE</b> <b>SUPER HAND LIGHT</b>	Deburring of machined parts	Trimming, filing in narrow space
<b>PORTABLE FINE FINISHING FILE</b> <b>MICRO AIR HAND</b>	Precision filing of flash, chamfering, groove finishing	-
<b>PNEUMATIC BELT SANDER</b> <b>BELTON/BABY BELTON</b>	Trimming, chamfering corner rounding	Spot smoothing, surface regulation, finish sanding
<b>HANDY PNEUMATIC SANDER</b> <b>FREE SANDER</b>	Surface sanding, rust & stain removal	Spot smoothing, corner rounding, surface smoothing
<b>PNEUMATIC RECIPROCATING SANDER</b> <b>LINE SANDER</b>	Plane sanding, groove sanding	Spot smoothing, surface regulation
<b>PNEUMATIC COMPACT SANDER</b> <b>ORBITAL SANDER</b> <b>PALM ORBITAL SANDER</b>	Smoothing, intermediate finish sanding	Surface smoothing of steel products, finishing of pressed products
<b>PNEUMATIC HAND DRILL</b> <b>AIR DRILL</b>	Various drilling works	Various drilling works
<b>PNEUMATIC DEBURRING TOOL</b> <b>BURR CUTTER</b>	Removing burrs left on machines holes	Removing burrs left on machines holes
<b>PORTABLE CHAMFERING TOOLS</b> <b>BEVELER</b>	Chamfering of large workpieces	-
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<b>QUICK CONNECT COUPLINGS</b>		
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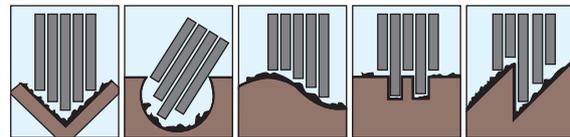
# JET CHISEL

Powerful scaling  
with multi-needles



### Features

- Quickly and efficiently removes weld slag, rust, paint and scale from most surfaces
- Ideal for cleaning and descaling steel, bridgework, castings, brick, stone and many other materials
- Heavy-duty construction for industrial and maritime applications
- Proven superior design features with no internal spring components ensure trouble-free performance



#### Shot Peening Effect

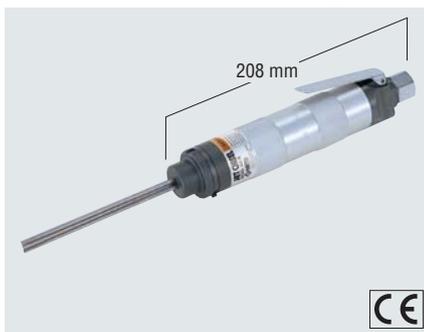
Reinforcement of a welded part with the shot peening effect increases strength by imparting residual stress to the surface of the workpiece through the high speed impact of the needles. Highly suitable for effective reinforcement of deteriorated welded parts.

#### Full Automatic System

The only unit of it's kind on the market without springs. This means no springs to break...no irregular power... and the advantage of low air consumption.



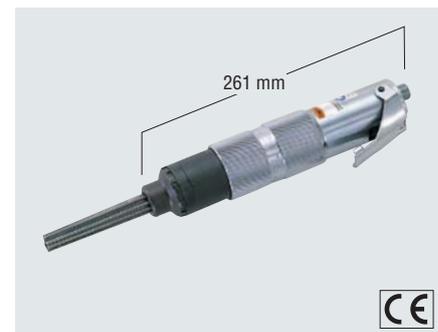
Model **AJC-16** Slim Type



Model **JT-20** Medium Duty Type



Model **JEX-20** Reduced Vibration Type



### Specifications

Model	AJC-16	JT-20	JEX-20	
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)	0.6 (6)	0.6 (6)
Air Consumption (No load)	m <sup>3</sup> /min	0.07	0.2	0.2
Stroke Speed	min <sup>-1</sup>	6,000	4,000	4,000
Standard Needles with Machine	3 pieces of 3 mm × 180 mm	12 pieces of 3 mm × 180 mm	12 pieces of 3 mm × 180 mm	
Optional Needle Size	7 pieces of 2 mm × 180 mm	29 pieces of 2 mm × 180 mm	29 pieces of 2 mm × 180 mm	
Hose Size	3/8	3/8	3/8	
Mass (Weight)	kg	0.98	2.4	2.75

#### Accessories Included

- 3 pieces of 3 mm × 180 mm Needle
- Bushing R 3/8 × NPT 3/8
- Hose Nipple R 3/8 × 3/8

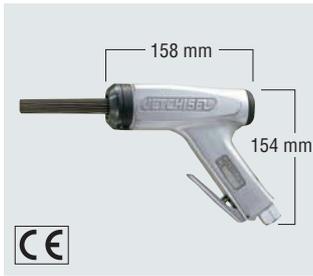
- 12 pieces of 3 mm × 180 mm Needle
- Bushing R 3/8 × NPT 3/8
- Hose Nipple R 3/8 × 3/8

- 12 pieces of 3 mm × 180 mm Needle
- Bushing R 3/8 × NPT 3/8
- Hose Nipple R 3/8 × 3/8

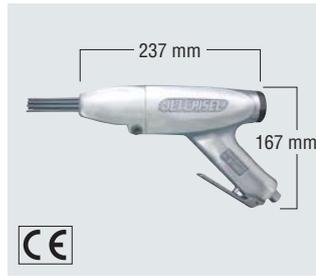
# SCALING

# NEEDLE SCALER JET CHISEL

Model **JC-16** Lightweight Type



Model **JEX-24** Universal Type



Model **JEX-28** Heavy-duty Type



Model **JEX-2800A** Low-vibration Type



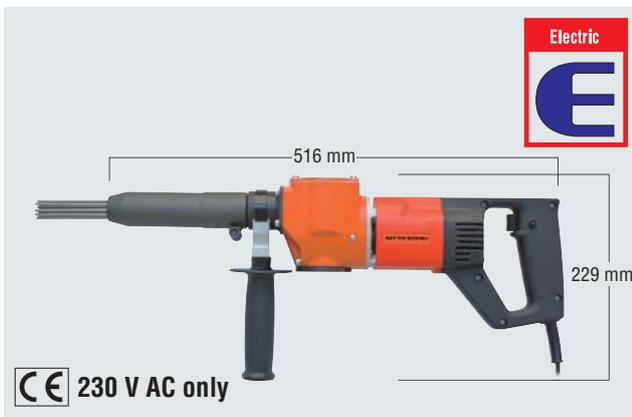
## Specifications

Model	JC-16	JEX-24	JEX-28	JEX-2800A
Air Pressure	MPa(kgf/cm <sup>2</sup> ) 0.6 {6}			
Air Consumption (No load)	m <sup>3</sup> /min 0.15	0.27	0.35	0.43
Stroke Speed	min <sup>-1</sup> 4,000	4,000	4,500	3,700
Standard Needles with Machine	29 pieces of 2 mm × 150 mm	23 pieces of 3 mm × 180 mm	28 pieces of 3 mm × 180 mm	28 pieces of 3 mm × 180 mm
Optional Needle Size	N/A	53 pieces of 2 mm × 180 mm	66 pieces of 2 mm × 180 mm	66 pieces of 2 mm × 180 mm
		12 pieces of 4 mm × 180 mm	14 pieces of 4 mm × 180 mm	14 pieces of 4 mm × 180 mm
Hose Size	inch 3/8			
Mass (Weight)	kg 1.4	2.7	3.5	3.3

Accessories Included	JC-16	JEX-24	JEX-28	JEX-2800A
	<ul style="list-style-type: none"> <li>• 29 pieces of 2 mm × 150 mm Needle</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Hose Nipple R 3/8 × 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• 6 mm Hex. Socket Screw Key</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Hose Nipple R 3/8 × 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• Needle Supporter 4 mm</li> <li>• 14 pieces of 4 mm × 180 mm Needle</li> <li>• 6 mm Hex. Socket Screw Key</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Hose Nipple R 3/8 × 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• Needle Supporter 4 mm</li> <li>• 14 pieces of 4 mm × 180 mm Needle</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Hose Nipple R 3/8 × 3/8</li> </ul>

## Electric Needle Scaler

Model **EJC-32A**



- Powerful 300 watt double insulated motor
- Extended length, slim barrel design
- Adjustable front handle for operator comfort and convenience

## Specifications

Model	EJC-32A	
Power Supply	115 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Rated Power Consumption	W 300	
Rated Current	A 2.8	1.4
Rated Duty	min 30	
Stroke Speed	min <sup>-1</sup> 3,000	
Standard Needles with Machine	15 pieces of 3 mm × 180 mm	
Optional Needle Size	32 pieces of 2 mm × 180 mm	
Power Cord Length	m 5	
Mass (Weight)	kg 4.5	

Accessories Included	EJC-32A
	<ul style="list-style-type: none"> <li>• 15 pieces of 3 mm × 180 mm Needle</li> <li>• 6 mm Hex. Socket Screw Key</li> </ul>

## Optional Needles



Premium Nitto Kohki needles out-perform competitors' needles ensuring optimal performance and trouble-free operation.

PN	Description	Sales Unit	PN	Description	Sales Unit	Model
TA98780	Needle 2 mm × 150 mm	100 pcs./set	TP00338	Needle Supporter 2 mm	1 pc.	JT-20, JEX-20
TA98781	Needle 2 mm × 180 mm	100 pcs./set	TP00337	Needle Supporter 3 mm	1 pc.	
TA9A213	Needle 2 mm × 300 mm	50 pcs./set	TQ05210	Needle Supporter 2 mm	1 pc.	AJC-16
TA9A214	Needle 2 mm × 500 mm	50 pcs./set	TQ04554	Needle Supporter 3 mm	1 pc.	
TA98782	Needle 3 mm × 180 mm	100 pcs./set	TP00290	Needle Supporter 2 mm	1 pc.	JC-16
TA9A216	Needle 3 mm × 300 mm	50 pcs./set	TP02244	Needle Supporter 2 mm	1 pc.	JEX-24
TA9A217	Needle 3 mm × 500 mm	50 pcs./set	TP02245	Needle Supporter 3 mm	1 pc.	
TA9A218	Needle 3 mm × 800 mm	50 pcs./set	TP01499	Needle Supporter 2 mm	1 pc.	JEX-28, JEX-2800A
TA98783	Needle 4 mm × 180 mm	50 pcs./set	TP01461	Needle Supporter 3 mm	1 pc.	
TA9A220	Needle 4 mm × 300 mm	50 pcs./set	TP01462	Needle Supporter 4 mm	1 pc.	EJC-32A
TA9A221	Needle 4 mm × 500 mm	50 pcs./set	TP16475	Needle Supporter 2 mm	1 pc.	
			TP16301	Needle Supporter 3 mm	1 pc.	

# AUTO CHISEL

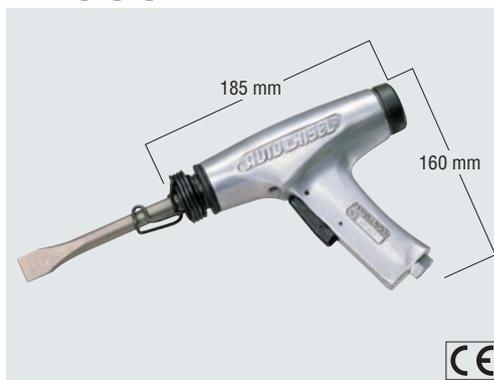
A special spool valve inside grip assures excellent durability



## Features

- Designed for speeding up the repair and sheet metal works of automobiles, etc.
- Enables hammering work in narrow spaces
- Durable and powerful action
- Fast and easy chisel change to reduce downtime
- A wide variety of chisels available

Model  
**A-300**



<b>Accessories Included</b>	• Bushing R 1/4 × NPT 1/4 : 1 pc.
	• Hose Nipple R 1/4 × 1/4 : 1 pc.

## Specifications

Model	A-300	
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.3
<b>Stroke Speed</b>	min <sup>-1</sup>	2,600
<b>Hose Size</b>	inch	1/4
<b>Mass (Weight)</b>	kg	1.7

## Optional Attachments

PN	Description	Sales Unit	PN	Description	Sales Unit
TP00572	No.1001 Blank Chisel	1 pc.	TP00584	No.1013 Fork Chisel 24	1 pc.
TP00573	No.1002 Flat Chisel	1 pc.	TA90051	No.1014 Panel Crimper	1 pc.
TP04606	No.1003 Sheet Metal Chisel A	1 pc.	TP00586	No.1016 Fork Chisel 35	1 pc.
TP00575	No.1004 Sheet Metal Chisel B	1 pc.	TP00585	No.1017 Fork Chisel 15	1 pc.
TP00576	No.1005 Silencer Cutting Chisel	1 pc.	TP00589	No.1018 38 mm Scraper	1 pc.
TP00577	No.1006 Rubber Bushing Remover	1 pc.	TP00590	No.1019 60 mm Scraper	1 pc.
TP00578	No.1007 Spot Weld Booster	1 pc.	TP00591	No.1020 60 mm Concave Scraper	1 pc.
TP00579	No.1008 Bushing Tool	1 pc.	TP04995	No.1023 Sheet Metal Chisel C	1 pc.
TP00580	No.1009 Punch	1 pc.	TP05244	No.1024 Moilpoint Chisel	1 pc.
TP00581	No.1010 Bushing Removing Tool	1 pc.	TP05775	No.1025 Rivet Removing Punch	1 pc.
TP00582	No.1011 Sheet Metal Punch	1 pc.	TP05801	No.1026 Rivet Caulking Chisel	1 pc.
TP00583	No.1012 20 mm Bending Chisel	1 pc.	-	-	-

## Applications and wide variety of optional attachments

**No. 1001 Blank Chisel (TP00572)**

For a variety of sheet metal work, bending, and rivet closing jobs



**No. 1002 Flat Chisel (TP00573)**

Puts increased efficiency into scraping, peeling spot welds, and cutting off bolts and pins



**No. 1003 Sheet Metal Chisel A (TP04606)**

Cuts shapes in sheet metal fast



**No. 1004 Sheet Metal Chisel B (TP00575)**

Just the chisel for cutting off sheet metal body panel



**No. 1005 Silencer Cutting Chisel (TP00576)**

A quick cut-off chisel for muffler piping



**No. 1006 Rubber Bushing Remover (TP00577)**

Helps you remove idle arm sleeves and bushings in record time



**No. 1007 Spot Weld Booster (TP00578)**

Ideal for peeling off spot welded points and cutting off pins



**No. 1008 Bushing Tool (TP00579)**

Puts speed and ease into the job of bushing insertion



**No. 1009 Punch (TP00580)**

For driving out pins and rivets, and fitting and removing bearings and races



**No. 1010 Bushing Removing Tool (TP00581)**

A faster servicing aid in removing bushings



**No. 1011 Sheet Metal Punch (TP00582)**

Opens holes for bolts and rivets



**No. 1012 20 mm Bending Chisel (TP00583)**

Helps you in peening and removing slag around welds



**No. 1013 Fork Chisel 24 (TP00584)**

Disconnecting tie rod ends and ball joints



**No. 1014 Panel Crimper (TA90051)**

Bending sheet metal: external body plates, doors, fenders, etc.



**No. 1016 Fork Chisel 35 (TP00586)**

Disconnecting tie rod end ball joints



**No. 1017 Fork Chisel 15 (TP00585)**

Disconnecting tie rod end ball joints



**No. 1018 38 mm Scraper (TP00589)**

Peeling paint & removing rust from iron plate



**No. 1019 60 mm Scraper (TP00590)**

Peeling paint & removing rust from iron plate



**No. 1020 60 mm Concave Scraper (TP00591)**

Removing incrustation from pipe



**No. 1023 Sheet Metal Chisel C (TP04995)**

Cuts shapes in sheet metal fast



**No. 1024 Moilpoint Chisel (TP05244)**

Breaking-up concrete, removing sand from castings



**No. 1025 Rivet Removing Punch (TP05775)**

Removing rivets from brake lining of heavy duty cars



**No. 1026 Rivet Caulking Chisel (TP05801)**

Caulking brake lining of heavy duty cars



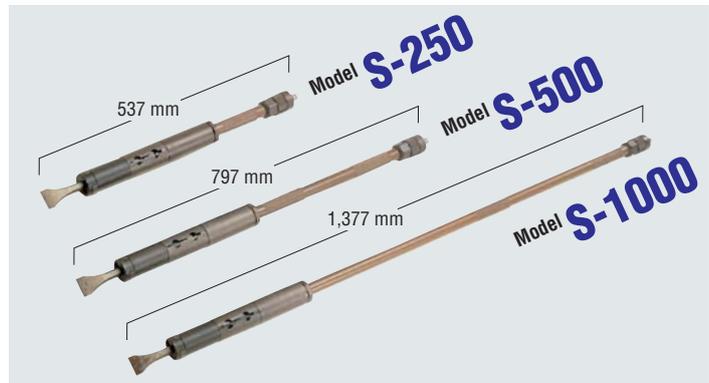
# SUPER KELEN

Industrial and shipboard pneumatic scalers



## Features

- Quickly and efficiently removes rust, scale, paint, tar and concrete from most surfaces
- Ideal for industrial, maritime and shipboard cleaning and descaling operations
- Idle protection system, tool will not activate unless contacting work surface
- S-1000 – over 1.3 m in length for extended reach applications and operator convenience
- One-touch chisel installation and removal – NO tools required

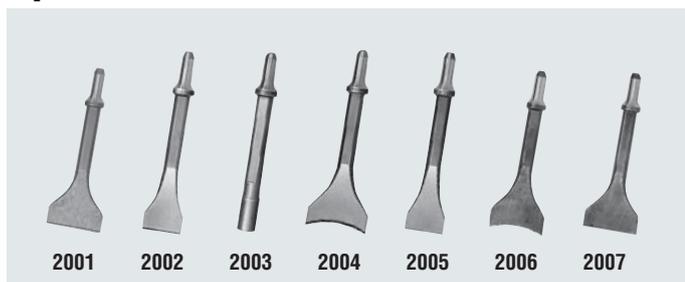


## Specifications

Model		S-250	S-500	S-1000
Air Pressure	MPa {kgf/cm <sup>2</sup> }	0.6 {6}	0.6 {6}	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.27	0.27	0.27
Stroke Speed	min <sup>-1</sup>	2,500	2,500	2,500
Shank Size	mm	12.7	12.7	12.7
Hose Size	inch	3/8	3/8	3/8
Mass (Weight)	kg	4.1	4.7	6.1

Accessories Included	S-250	S-500	S-1000
	<ul style="list-style-type: none"> <li>• No.2005 38 mm Bend Scraper (Installed)</li> <li>• Hose Lock Nut M16</li> <li>• Hose Nipple 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• No.2005 38 mm Bend Scraper (Installed)</li> <li>• Hose Lock Nut M16</li> <li>• Hose Nipple 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• No.2005 38 mm Bend Scraper (Installed)</li> <li>• Hose Lock Nut M16</li> <li>• Hose Nipple 3/8</li> </ul>

## Optional Chisels



PN	Description	Sales Unit
TP03645	No.2001 60 mm Scraper	1 pc.
TP03646	No.2002 38 mm Scraper	1 pc.
TP03647	No.2003 Blank Chisel	1 pc.
TP04010	No.2004 60 mm Concave Scraper	1 pc.
TP04552	No.2005 38 mm Bend Scraper	1 pc.
TP04553	No.2006 60 mm Concave Bend Scraper	1 pc.
TP04554	No.2007 60 mm Bend Scraper	1 pc.

# AIR CHIPPER

Removes weld splatter quickly and easily



## Features

- Ideal tool for quickly and efficiently removing weld splatter, rust and other debris from most surfaces
- Compact, heavy-duty construction for tough industrial applications
- Easy one-touch chisel installation and removal – NO tools required
- Idle protection system, helps prevent accidental start-up “ACH-16” only

Model **ACH-16**



Model **CH-24**



## Specifications

Model		ACH-16	CH-24
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.15	0.2
Stroke Speed	min <sup>-1</sup>	6,000	4,000
Size of Chisel Shank	mm	OD 10.5	12.7 sq.
Hose Size	inch	3/8	3/8
Mass (Weight)	kg	0.9	1.7

Accessories Included		
	<ul style="list-style-type: none"> <li>• TQ03431 Flat Chisel (Installed)</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Hose Nipple R 3/8 × 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• TP15166 Curved Flat Chisel (Installed)</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Hose Nipple R 3/8 × 3/8</li> </ul>

## Optional Chisels



### Chisel for Air Chipper ACH-16

PN	Description	Sales Unit
TQ03431	Flat Chisel 20 × 120	1 pc.
TQ03453	Curved Flat Chisel 20 × 120	1 pc.
TQ03549	Flat Chisel 11 × 120	1 pc.
TQ03452	Flat Chisel 20 × 180	1 pc.

### Chisel for Air Chipper CH-24

PN	Description	Sales Unit
TP15234	Straight Flat Chisel 12.7 × 165	1 pc.
TP15233	Flat Chisel 25 × 155	1 pc.
TP15166	Curved Flat Chisel 25 × 155	1 pc.

# MYTON

A wide variety of models are available to a particular job!

Model **MLG-25** Depressed center wheel 58 mm



Model **MLG-40** Depressed center wheel 100 mm



Model **MAGW-40** Depressed center wheel 100 mm



### Specifications

Model		MLG-25	MLG-40	MAGW-40
Air Pressure	MPa {kgf/cm <sup>2</sup> }	0.6 {6}	0.6 {6}	0.6 {6}
Air Consumption	m <sup>3</sup> /min	0.42	0.45 (No Load) 0.91 (Load)	0.68 (No load) 0.82 (Load)
Free Speed	min <sup>-1</sup> (rpm)	19,000	13,000	13,000
Depressed Center Grinding Wheel	mm	58	100	100
Hose Size	inch	1/4	3/8	3/8
Mass (Weight)	kg	0.6	1.5	1.55

Accessories Included			
	<ul style="list-style-type: none"> <li>• Green Disc GS #80</li> <li>• 5 mm Hex. Socket Screw Key</li> <li>• 19 mm Single Ended Spanner</li> <li>• Bushing R 1/4 × NPT 1/4</li> </ul>	<ul style="list-style-type: none"> <li>• 6 mm Hex. Socket Screw Key</li> <li>• Bushing R 3/8 × NPT 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• 6 mm Hex. Socket Screw Key</li> <li>• 17 mm Single Ended Spanner</li> <li>• Bushing R 3/8 × NPT 3/8</li> </ul>

Model **MAG-50** Depressed center wheel 125 mm



Model **MLG-50** Depressed center wheel 125 mm



Model **MLG-70** Depressed center wheel 180 mm



Model **MLG-70** Depressed center wheel 180 mm



### Specifications

Model		MAG-50	MLG-50	MLG-70 Lever Type	MLG-70 Ring Type
Air Pressure	MPa {kgf/cm <sup>2</sup> }	0.6 {6}	0.6 {6}	0.6 {6}	
Air Consumption (No load)	m <sup>3</sup> /min	0.87	0.7	0.75 (No load)	1.1 (Load)
Free Speed	min <sup>-1</sup> (rpm)	12,000	11,000	7,600	
Depressed Center Grinding Wheel	mm	125	125	180	
Hose Size	inch	3/8	3/8	3/8	
Mass (Weight)	kg	2.2	2.5	2.45	2.25

Accessories Included			
	<ul style="list-style-type: none"> <li>• Air Hose Sub Ass'y</li> <li>• Exhaust Hose Ass'y</li> <li>• Side Handle Ass'y</li> <li>• 4 mm Hex. Socket Screw Key</li> <li>• Pin Face Wrench</li> <li>• Bushing R 3/8 × NPT 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• Handle Ass'y</li> <li>• Wheel Guard Ass'y</li> <li>• Hex. Socket Screw Key 6</li> <li>• Hex. Socket Screw Key 4</li> <li>• Pin Face Wrench</li> <li>• Bushing R 3/8 × NPT 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• 6 mm Hex. Socket Screw Key</li> <li>• 10 mm Hex. Socket Screw Key</li> <li>• Bushing R 3/8 × NPT 3/8</li> <li>• Handle Ass'y</li> <li>• Wheel Guard Ass'y</li> </ul>

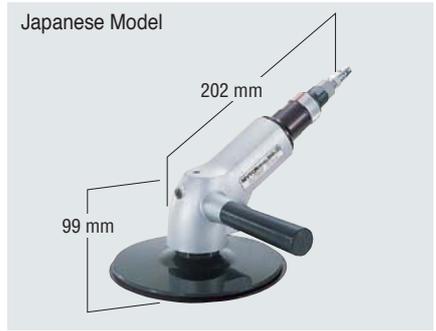
Model **MLS-20** Abrasive disc 1", 1 - 1/2" & 2"



Model **MAS-40** Abrasive disc 100 mm



Model **MAS-70** Abrasive disc 180 mm



## Specifications

Model		MLS-20	MAS-40	MAS-70
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	0.6 {6}	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.42	0.45	0.98
Free Speed	min <sup>-1</sup> (rpm)	19,000	13,700	7,500
Abrasive Disc		1", 1 - 1/2" and 2"	100 mm	180 mm
Hose Size	inch	1/4	3/8	3/8
Mass (Weight)	kg	0.6	0.9	1.9

Accessories Included			
	<ul style="list-style-type: none"> <li>• 1" Disc Sanding Pad</li> <li>• 1-1/2" Disc Sanding Pad</li> <li>• 2" Disc Sanding pad</li> <li>• Two pieces of 14 mm spanner</li> <li>• Bushing R 1/4 x NPT 1/4</li> <li>• Assortment of Sample Abrasive Disks contains:                             <ul style="list-style-type: none"> <li>2 each of #60, #80, #100, and #120 2" abrasive disc</li> <li>2 each of #60, #80, #100, and #120 1-1/2" abrasive disc</li> <li>2 each of #60, #80, #100, and #120 1" abrasive disc</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 6 mm Hex. Socket Screw Key</li> <li>• 17 mm Single Ended Spanner</li> <li>• Bushing R 1/4 x NPT 1/4</li> <li>• Hose Nipple NPT 1/4 x 3/8</li> </ul>	<ul style="list-style-type: none"> <li>• 10 mm Hex. Socket Screw Key</li> <li>• 41 mm Single Ended Spanner</li> <li>• Hose Nipple NPT 3/8 x 3/8</li> <li>• Bushing M16 x NPT 3/8</li> </ul>

## Optional Parts

### Green Discs for MYTON MLG-25



PN	Description	Sales Unit
TB08872	GS#46 x 58 mm	5 pcs./set
TB08873	GS#60 x 58 mm	5 pcs./set
TB08874	GS#80 x 58 mm	10 pcs./set
TB08875	GS#100 x 58 mm	5 pcs./set
TB08876	GS#120 x 58 mm	5 pcs./set

\* Green Discs cannot be used on MAG-25.

### Disc Pad for MYTON MLS-20



PN	Description	Sales Unit
TQ14382	2" Disc Sanding Pad	1 pc.
TQ14383	1-1/2" Disc Sanding Pad	1 pc.
TQ14384	1" Disc Sanding Pad	1 pc.

### 1" Paper for MYTON MLS-20



PN	Disc Grit	Sales Unit
TB09736	#40	25 pcs./set
TB09737	#60	25 pcs./set
TB09738	#80	25 pcs./set
TB09739	#100	25 pcs./set

PN	Disc Grit	Sales Unit
TB09740	#120	25 pcs./set
TB09741	#180	25 pcs./set
TB09742	#240	25 pcs./set
TB09743	#320	25 pcs./set

### 1 - 1/2" Paper for MYTON MLS-20



PN	Disc Grit	Sales Unit
TB09744	#40	25 pcs./set
TB09745	#60	25 pcs./set
TB09746	#80	25 pcs./set
TB09747	#100	25 pcs./set

PN	Disc Grit	Sales Unit
TB09748	#120	25 pcs./set
TB09749	#180	25 pcs./set
TB09750	#240	25 pcs./set
TB09751	#320	25 pcs./set

### 2" Paper for MYTON MLS-20



PN	Disc Grit	Sales Unit
TB09752	#40	25 pcs./set
TB09753	#60	25 pcs./set
TB09754	#80	25 pcs./set
TB09755	#100	25 pcs./set

PN	Disc Grit	Sales Unit
TB09756	#120	25 pcs./set
TB09757	#180	25 pcs./set
TB09758	#240	25 pcs./set
TB09759	#320	25 pcs./set

# AIR SONIC



## Features

- Ideal for most deburring, finishing and grinding applications
- Precision machined with heavy-duty spindle and support bearings
- Rear exhaust with noise reduction system
- Suitable for industrial and production applications
- Locking throttle lever helps prevent accidental start-up
- Accepts most stone-type and rotary carbide burrs with 6 mm shanks

Model **L-25B** For all grinding, deburring and finishing jobs



Model **L-35C** Special design for rotary burrs



## Specifications

Model	L-25B	L-35C
Air Pressure MPa (kgf/cm <sup>2</sup> )	0.6 {6}	
Air Consumption (No load) m <sup>3</sup> /min	0.4	0.35
Free Speed min <sup>-1</sup> (rpm)	27,000	37,500
Chuck Size mm	6	
Hose Size inch	1/4	
Mass (Weight) kg	0.6 (without hose)	0.45 (without hose)

Accessories Included		
	<ul style="list-style-type: none"> <li>• 14 mm Single Ended Spanner</li> <li>• Mounted Wheel No.2</li> <li>• Mounted Wheel No.3</li> </ul>	<ul style="list-style-type: none"> <li>• Chuck Pin</li> <li>• Bushing R 1/4 x NPT 1/4</li> </ul>

## Optional Accessories

Mounted Wheel for AIR SONIC L-25B (Sales Unit : 5 pcs./set)			
No.1 : 16 x 32  PN : TA9A277	No.2 : 16 x 32  PN : TA9A278	No.3 : 19 x 20  PN : TA9A279	No.4 : 25 x 25  PN : TA9A280
No.5 : 19 x 28  PN : TA9A281	No.6 : 25 x 13  PN : TA9A282	No.7 : 32 x 10  PN : TA9A283	No.8 : 16 ball  PN : TA9A284

Rotary Burr for AIR SONIC L-35C (Sales Unit : 1 pc.)			
No.1 : CB1C-106  PN : TP10594	No.2 : CB2C-105  PN : TP10595	No.3 : CB3C-103  PN : TP10596	No.4 : CB4C-103  PN : TP10597
No.5 : CB5C-104  PN : TP10598	No.6 : CB6C-102  PN : TP10599	No.7 : CB7C-103  PN : TP10600	No.8 : CB8C-105  PN : TP10601

Model

**AL-55** High Speed Rotation 56,500 rpm



- Smooth high speed rotation and low vibration enables precision grinding
- Stepless speed change from 0 to 56,500 rpm meets a wide range of grinding applications
- Compact and light weight for comfortable operation over long periods of time.
- Triangular grip fits operator's hand. Special plastic grip prevents cold hands and absorbs vibration.
- Rear exhaust system



**Specifications**

Model	AL-55	
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 {6}
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.17
<b>Free Speed</b>	min <sup>-1</sup> (rpm)	56,500
<b>Chuck Size</b>	mm	3
<b>Hose Size</b>	inch	1/4
<b>Mass (Weight)</b>	kg	0.25
<b>Accessories Included</b>	<ul style="list-style-type: none"> <li>• Mounted Wheel 5 × 13 × 3</li> <li>• Bushing R 1/4 × NPT 1/4</li> </ul>	<ul style="list-style-type: none"> <li>• Spanner 7 × 9</li> </ul>

**SUPER SAW**

**Special double-piston system provides low vibration while improving cutting speed!**

Model

**SSW-110**



**Features**

- Ideal for sawing and trimming operations on sheet metal, aluminum, plastic and other materials
- Suitable for automotive, fabrication, HVAC, electrical and woodworking applications
- Ultra lightweight construction with low vibration performance
- Optimized blade stroke for maximum cutting performance
- Powerful dual piston construction
- Locking throttle lever helps prevent accidental start-up

**Specifications**

Model	SSW-110	
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 {6}
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.29
<b>Stroke Speed</b>	min <sup>-1</sup>	7,000
<b>Stroke Length</b>	mm	11
<b>Mass (Weight)</b>	kg	0.62

**Optional Accessories**

PN	Description	Sales Unit
TB00759	9 mm Saw Blade for gypsum-board	10 pcs./set
TB00760	12 mm Saw Blade for plywood panel	10 pcs./set
TB00192	14 mm Saw Blade for plastic	10 pcs./set
TB00193	18 mm Saw Blade for plastic	10 pcs./set
TA9A011	24 mm Saw Blade for mild steel	10 pcs./set
TA9A005	32 mm Saw Blade for mild steel	10 pcs./set



<b>Accessories Included</b>	<ul style="list-style-type: none"> <li>• 2 pieces of 32 mm Saw Blade</li> <li>• 3 mm Hex. Socket Screw Key</li> <li>• Bushing R 1/4 × NPT 1/4</li> </ul>
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# SUPER HAND

**Fast, efficient filing, sanding and deburring tools**



### Features

- Eliminates time consuming manual hand-filing operations
- Ideal for industrial production filing applications on steel, aluminum, brass, wood and other materials
- Unique and compact design delivers reduced vibration performance while reducing operator fatigue.
- Interchangeable files
- Rear exhaust system

## Model SH-100A



## Model ASH-900



*Weight reduced by half for comfortable operation over long period of time*

### Rat Tail File SF-10



### Triangular Taper File SF-11



### Half Round File SF-12



### Flat Bastard File SF-13



### Specifications

Model		SH-100A	ASH-900
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.24	0.2
Stroke Speed	min <sup>-1</sup>	3,700	6,300
Stroke Length	mm	9	9
File Shank Size	mm	6.3	5.0
Mass (Weight)	kg	1.1	0.5

### Accessories Included

- Flat Bastard File SF-13
- Rat Tail File SF-10
- Triangular Taper File SF-11
- Half Rounded File SF-12
- 3 mm Hex. Socket Screw Key
- Bushing R 1/4 × NPT 1/4

- Flat Bastard File SF-13
- Rat Tail File SF-10
- Triangular Taper File SF-11
- Half Rounded File SF-12
- 2.5 mm Hex. Socket Screw Key
- Bushing R 1/4 × NPT 1/4

## Optional Accessories

For Super Hand SH-100A & ASH-900

PN	Description	Sales Unit
TA9A222	Rat Tail File SF-10	5 pcs./set
TA9A223	Triangular Taper File SF-11	5 pcs./set
TA9A224	Half Round File SF-12	5 pcs./set
TA9A225	Flat Bastard File SF-13	5 pcs./set
TA91752	Rubber Pad Ass'y for SH-100A	1 set
TA94625	Supporter Ass'y for SH-100A	1 set
TB04319	Sanding Pad Ass'y for ASH-900	1 set

PN TA91752  
Rubber Pad Ass'y for SH-100A



PN TB04319  
Sanding Pad Ass'y for ASH-900



PN TA94625  
Supporter Ass'y for SH-100A  
(use with TA91752)



# SUPER HAND LIGHT

Best suited for deburring of die-cast aluminum products and machined parts



Model **SHL-40**



**Specifications**

<b>Model</b>		<b>SHL-40</b>
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 {6}
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.07
<b>Stroke Speed</b>	min <sup>-1</sup>	9,000
<b>Stroke Length</b>	mm	4
<b>File Shank Size</b>	mm	3
<b>Mass (Weight)</b>	kg	0.4

<b>Accessories Included</b>	<ul style="list-style-type: none"> <li>• Flat File LF-13</li> <li>• 2 mm Hex. Socket Screw Key</li> <li>• Bushing R 1/4 × NPT 1/4</li> </ul>
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**Optional Accessories Sales Unit (3 pcs/set)**

<b>Rat Tail File LF-10</b> (PN TB09652) 	<b>Triangular Taper File LF-11</b> (PN TB09654) 
<b>Half Round File LF-12</b> (PN TB09653) 	<b>Flat File LF-13</b> (PN TB09651) 

# MICRO AIR HAND

Fine reciprocating motion best for precision parts filing



Model **MAH-05/MAH-16**



**Specifications**

<b>Model</b>		<b>MAH-05</b>	<b>MAH-16</b>
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.07	
<b>Stroke Speed</b>	min <sup>-1</sup>	22,000	11,000
<b>Stroke</b>	mm	0.5	2.2
<b>Shank diameter of file</b>	mm	3	
<b>Mass (Weight)</b>	kg	0.4	

<b>Accessories Included</b>	<ul style="list-style-type: none"> <li>• Flat end file</li> <li>• Round end file</li> <li>• Bushing R1/4 × NPT 1/4</li> <li>• Hex. Wrench key 2</li> </ul>
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**Optional Accessories Sales Unit (5 pcs/set)**

<b>Flat end file</b> (PN TB07502) 	<b>Round end file</b> (PN TB07503) 
<b>Triangular end file</b> (PN TB07504) 	<b>Half-round end file</b> (PN TB07505) 

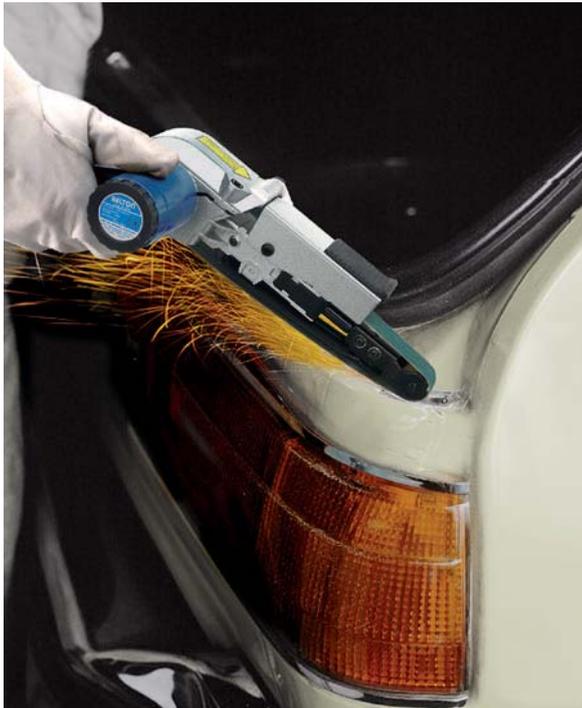
**Vice Holder (PN TB07506)**

This holder can be used for polishing and lapping applications by mounting ceramic stones, etc. (Max size: Thickness 3.2 mm × Width 20 mm)

Mounting examples

## BELTON Rear exhaust system

Ideal for sanding and grinding in narrow spaces, recessed areas and on curved surfaces



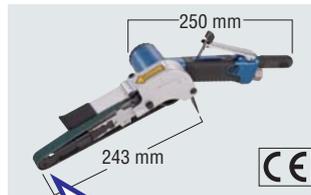
Model **B-10N** Belt Size 10 mm (W)



Model **B-30N** Belt Size 30 mm (W)

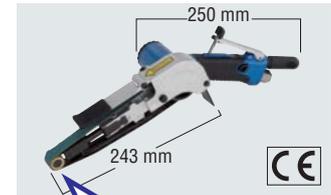


Model **B-20N** Belt Size 20 mm (W)



The Idle Pulley for B-20N is supported on both sides.

Model **B-20NB** Belt Size 20 mm (W)



The Idle Pulley for B-20NB is supported on one side only.

### Specifications

Model	B-10N	B-20N	B-20NB	B-30N
Air Pressure	0.6 {6}	0.6 {6}	0.6 {6}	0.6 {6}
Air Consumption (No load)	0.4	0.52	0.52	0.68
Motor Free Speed	17,000	17,000	17,000	14,000
Belt Speed	1,120	2,620	2,620	2,160
Belt Size	10 × 330	20 × 520	20 × 520	30 × 540
Hose Size	1/4	1/4	1/4	1/4
Mass (Weight)	0.7	1.2	1.2	2.4

Accessories Included	B-10N	B-20N	B-20NB	B-30N
	<ul style="list-style-type: none"> <li>• 2 pieces of Abrasive Belt Z#60 × 10 mm (1 piece installed)</li> <li>• Abrasive Belt Z#80 × 10 mm</li> <li>• Abrasive Belt Z#100 × 10 mm</li> <li>• Abrasive Belt Z#120 × 10 mm</li> <li>• 2 mm Hex. Wrench Key</li> <li>• 4 mm Hex. Wrench Key</li> <li>• Bushing R 1/4 × NPT 1/4</li> </ul>	<ul style="list-style-type: none"> <li>• 2 pieces of Abrasive Belt Z#60 × 20 mm (1 piece installed)</li> <li>• Abrasive Belt Z#80 × 20 mm</li> <li>• Abrasive Belt Z#100 × 20 mm</li> <li>• Abrasive Belt Z#120 × 20 mm</li> <li>• 2.5 mm Hex. Wrench Key</li> <li>• 4 mm Hex. Wrench Key</li> <li>• Bushing R 1/4 × NPT 1/4</li> <li>• Convex Shoe</li> <li>• Finger Pad Ass'y</li> <li>• Pan Head Screw 5 × 10</li> <li>• Pan Head Screw 6 × 10</li> </ul>	<ul style="list-style-type: none"> <li>• 2 pieces of Abrasive Belt Z#60 × 20 mm (1 piece installed)</li> <li>• Abrasive Belt Z#80 × 20 mm</li> <li>• Abrasive Belt Z#100 × 20 mm</li> <li>• Abrasive Belt Z#120 × 20 mm</li> <li>• 4 mm Hex. Wrench Key</li> <li>• Bushing R 1/4 × NPT 1/4</li> <li>• Convex Shoe</li> <li>• Finger Pad Ass'y</li> <li>• Pan Head Screw 5 × 10</li> <li>• Pan Head Screw 6 × 10</li> </ul>	<ul style="list-style-type: none"> <li>• 2 pieces of Abrasive Belt Z#60 × 30 mm (1 piece installed)</li> <li>• Abrasive Belt Z#80 × 30 mm</li> <li>• Abrasive Belt Z#100 × 30 mm</li> <li>• Abrasive Belt Z#120 × 30 mm</li> <li>• 4 mm Hex. Wrench Key</li> <li>• 5 mm Hex. Wrench Key</li> <li>• Handle Ass'y</li> <li>• Bushing R 1/4 × NPT 1/4</li> </ul>

### Optional Parts

#### Optional Parts for B-10N

PN	Description	Sales Unit
TQ10942	Shoe 6 (for 6 mm belt)	1 pc.
TB07283	Bracket 6 Ass'y (for 6 mm belt)	1 set
TB05539	Offset Bracket 10 Ass'y	1 set

#### Abrasive Belt for B-10N

PN	Description	Sales Unit
TB00241	Abrasive Belt Z#60 × 6 mm	50 pcs./set
TB00242	Abrasive Belt Z#80 × 6 mm	50 pcs./set
TB00243	Abrasive Belt Z#100 × 6 mm	50 pcs./set
TB00244	Abrasive Belt Z#120 × 6 mm	50 pcs./set
TB00245	Abrasive Belt Z#180 × 6 mm	50 pcs./set
TB00246	Abrasive Belt Z#240 × 6 mm	50 pcs./set
TA9A237	Abrasive Belt AA#400 × 6 mm	50 pcs./set
TA9A064	Abrasive Belt Z#60 × 10 mm	50 pcs./set
TB00076	Abrasive Belt Z#80 × 10 mm	50 pcs./set
TB00077	Abrasive Belt Z#100 × 10 mm	50 pcs./set
TB00247	Abrasive Belt Z#120 × 10 mm	50 pcs./set
TB00248	Abrasive Belt Z#180 × 10 mm	50 pcs./set
TB00249	Abrasive Belt Z#240 × 10 mm	50 pcs./set
TA9A244	Abrasive Belt AA#400 × 10 mm	50 pcs./set

#### Optional Parts for B-20N/B-20NB

PN	Description	Sales Unit
TB07109	Offset Bracket 20 Ass'y	1 set

#### Abrasive Belt for B-20N/B-20NB

PN	Description	Sales Unit
TA99605	Abrasive Belt Z#40 × 20 mm	20 pcs./set
TA99606	Abrasive Belt Z#60 × 20 mm	20 pcs./set
TA99607	Abrasive Belt Z#80 × 20 mm	20 pcs./set
TA99608	Abrasive Belt Z#100 × 20 mm	20 pcs./set
TA99609	Abrasive Belt Z#120 × 20 mm	20 pcs./set
TB00250	Abrasive Belt Z#180 × 20 mm	20 pcs./set
TB00251	Abrasive Belt Z#240 × 20 mm	20 pcs./set
TA9A252	Abrasive Belt AA#280 × 20 mm	20 pcs./set
TA9A253	Abrasive Belt AA#320 × 20 mm	20 pcs./set
TA9A254	Abrasive Belt AA#400 × 20 mm	20 pcs./set

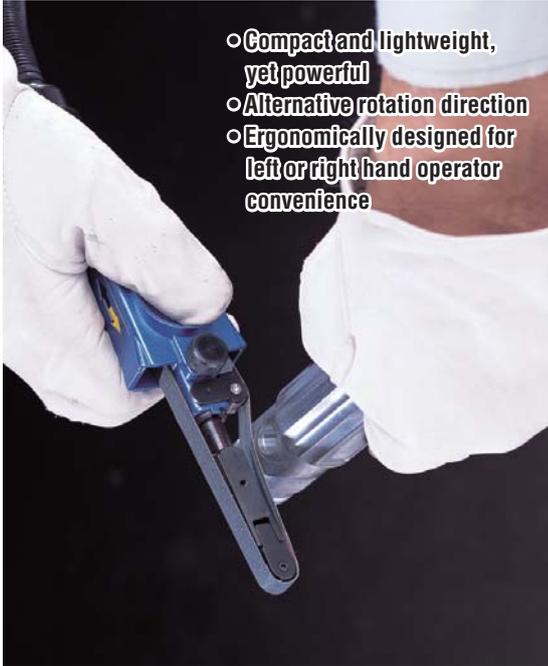
#### Optional Parts for B-30N

PN	Description	Sales Unit
TB08150	Offset Bracket 30 Ass'y	1 set

#### Abrasive Belt for B-30N

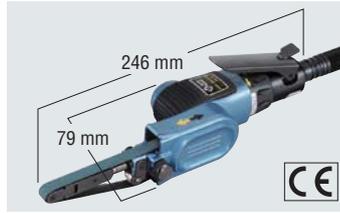
PN	Description	Sales Unit
TB00252	Abrasive Belt Z#40 × 30 mm	20 pcs./set
TB00253	Abrasive Belt Z#60 × 30 mm	20 pcs./set
TB00254	Abrasive Belt Z#80 × 30 mm	20 pcs./set
TB00255	Abrasive Belt Z#100 × 30 mm	20 pcs./set
TB00256	Abrasive Belt Z#120 × 30 mm	20 pcs./set
TB00257	Abrasive Belt Z#180 × 30 mm	20 pcs./set
TB00258	Abrasive Belt Z#240 × 30 mm	20 pcs./set
TA9A262	Abrasive Belt AA#280 × 30 mm	20 pcs./set
TA9A263	Abrasive Belt AA#320 × 30 mm	20 pcs./set
TA9A264	Abrasive Belt AA#400 × 30 mm	20 pcs./set

# BABY BELTON

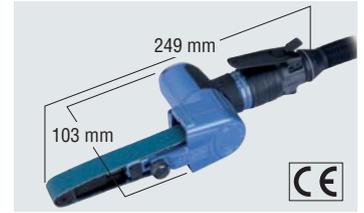


- Compact and lightweight, yet powerful
- Alternative rotation direction
- Ergonomically designed for left or right hand operator convenience

Model **BB-10A** Belt Size 10 mm (W)



Model **BB-20** Belt Size 20 mm (W)



### Specifications

Model		BB-10A	BB-20
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.25	0.43
Motor Free Speed	min <sup>-1</sup> (rpm)	16,000	16,000
Belt Speed	m/min	1,000	1,100
Belt Size	mm	10 × 330	20 × 330
Hose Size	inch	1/4	1/4
Mass (Weight)	kg	0.6	0.8

### Accessories Included

- Abrasive Belt Z#100 × 10 mm (Installed)
- Abrasive Belt Z#120 × 10 mm
- Abrasive Belt Z#180 × 10 mm
- Abrasive Belt Z#240 × 10 mm
- 1.5 mm Hex. Wrench Key
- Bushing R 1/4 × NPT 1/4

- Abrasive Belt Z#60 × 20 mm (Installed)
- Abrasive Belt Z#120 × 20 mm
- Abrasive Belt Z#240 × 20 mm
- 2.5 mm Hex. Wrench Key
- 3 mm Hex. Wrench Key
- Shoe
- Dust Cover
- Bushing R 1/4 × NPT 1/4

Belt rotation direction can be changed.



**Forward**



**Reverse**

Lever position can be changed for left or right hand operator convenience.

For right-handed user



For left-handed user

Ideal for deburring, chamfering, bead grinding, and polishing applications

Deburring & chamfering of uneven edge and plate surfaces



Curved and unique profiles



Detail finishing



Deburring of thin materials



## Optional Parts For BABY BELTON

### Abrasive Belt for BB-10A

PN	Description	Sales Unit
TA9A064	Abrasive Belt Z#60 × 10 mm	50 pcs./set
TB00076	Abrasive Belt Z#80 × 10 mm	50 pcs./set
TB00077	Abrasive Belt Z#100 × 10 mm	50 pcs./set
TB00247	Abrasive Belt Z#120 × 10 mm	50 pcs./set
TB00248	Abrasive Belt Z#180 × 10 mm	50 pcs./set
TB00249	Abrasive Belt Z#240 × 10 mm	50 pcs./set
TA9A244	Abrasive Belt AA#400 × 10 mm	50 pcs./set

### Abrasive Belt for BB-20

PN	Description	Sales Unit
TB07114	Abrasive Belt Z#60	20 pcs./set
TB07115	Abrasive Belt Z#80	20 pcs./set
TB07116	Abrasive Belt Z#100	20 pcs./set
TB07117	Abrasive Belt Z#120	20 pcs./set
TB07118	Abrasive Belt Z#180	20 pcs./set
TB07119	Abrasive Belt Z#240	20 pcs./set
TB07120	Abrasive Belt Z#400*1	20 pcs./set
TB07125	Abrasive Belt CE#60	20 pcs./set
TB07126	Abrasive Belt CE#80	20 pcs./set
TB07127	Abrasive Belt CE#100	20 pcs./set
TB07128	Abrasive Belt CE#120	20 pcs./set
TB07121	Finish Belt A-VF (Equivalent to #180)	5 pcs./set
TB07122	Finish Belt A-M (Equivalent to #320)	5 pcs./set
TB07123	Finish Belt S-SF (Equivalent to #400)	5 pcs./set

\*1: #400 is Aluminum Belt.

# FREE SANDER

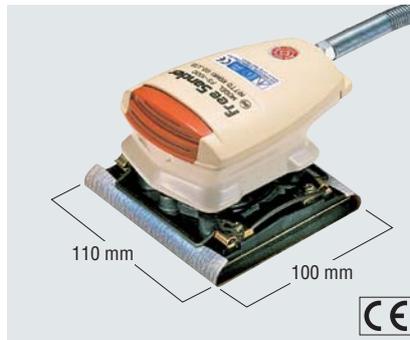
Super lightweight, low-vibration design



## Features

- Ideal for sanding and surface finishing wood, metal, plastic and other materials
- Lightweight design with minimal vibration
- High output and low air consumption motors produce high speed orbits for swirl-free finishes
- Oil free design
- Suitable for industrial and production applications

### Model **FS-100C**



### Model **FS-50A**



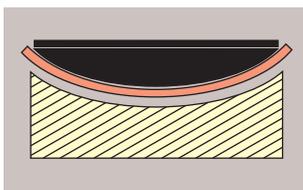
**Powerful turbine motor**  
Produces ultra-high speed orbits for super-fine finishing of all materials

## Specifications

Model		FS-100C	FS-50A
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 (6)	0.6 (6)
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.2	0.14
<b>Free Speed</b>	min <sup>-1</sup>	20,000	15,000
<b>Orbit Diameter</b>	mm	1.5	1.2
<b>Pad Size</b>	mm	100 × 110	75 × 82
<b>Paper Size</b>	mm	114 × 140	70 × 114
<b>Mass (Weight)</b>	kg	0.5	0.5

Accessories Included		
	<ul style="list-style-type: none"> <li>• Air Hose H Ass'y</li> <li>• Bushing R 1/4 × NPT 1/4</li> <li>• 5 pieces of abrasive paper #180</li> <li>• 5 pieces of abrasive paper #240</li> </ul>	<ul style="list-style-type: none"> <li>• Air Hose H Ass'y</li> <li>• Bushing R 1/4 × NPT 1/4</li> <li>• 5 pieces of abrasive paper #180</li> <li>• 5 pieces of abrasive paper #240</li> </ul>

## Optional Accessories



**Round-Pad for FS-100C**  
The pad is made of sponge rubber and conform easily to the shape being worked. Double-stick tape is used with round pad.

### For Free Sander FS-100C

PN	Description	Sales Unit
TA9A367	Rubber Pad Ass'y	1 pc.
TA91474	Round Pad Ass'y	1 pc.
TA9A265	Abrasive paper #100	200 pcs./set
TA9A266	Abrasive paper #120	200 pcs./set
TA9A267	Abrasive paper #150	200 pcs./set
TA9A268	Abrasive paper #180	200 pcs./set
TA9A269	Abrasive paper #240	200 pcs./set
TA9A270	Abrasive paper #280	200 pcs./set
TA9A271	Abrasive paper #320	200 pcs./set
TB02235	Dust Collector Ass'y	1 pc.

### For Free Sander FS-50A

PN	Description	Sales Unit
TA99828	Rubber Pad Ass'y	1 pc.
TB02240	Dust Collector Ass'y	1 pc.

# LINE SANDER

Ideal for inline and grain sanding applications

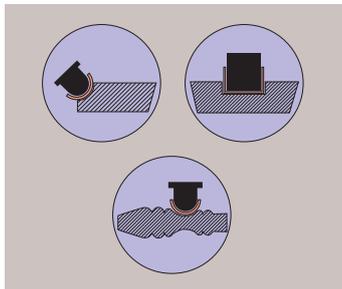


Model **LS-10**



## Features

- Ideal for most inline and profile sanding applications
- Compact and lightweight 0.75 kg design
- Low vibration and minimal noise output
- Suitable for sanding steel, aluminum, wood, plastic and other materials



### Special Sanding Pad

The Block Rubber Pad Assembly can be easily trimmed to conform to the shape being worked and is available as an accessory.



### Double Piston Alignment

Special double-action minimizes both noise and vibration.

<b>Accessories Included</b>	<ul style="list-style-type: none"> <li>• Hose E Ass'y</li> <li>• Bushing R 1/4 x NPT 1/4</li> <li>• Block Rubber Pad Ass'y</li> <li>• 5 pieces of Abrasive Paper #240</li> <li>• 5 pieces of Abrasive Paper #320</li> <li>• Base Plate A Ass'y</li> </ul>
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## Specifications

Model	LS-10	
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
Air Consumption (No load)	m <sup>3</sup> /min	0.11
Free Speed	min <sup>-1</sup>	4,000
Stroke Length	mm	4
Pad Size	mm	55 x 103
Abrasive Paper Size	mm	57 x 140
Mass (Weight)	kg	0.75

## Optional Accessory

PN	Description	Sales Unit
TB02244	Dust Collector Ass'y	1 pc.

# ORBITAL SANDER

Heavy-duty and powerful with adjustable speed regulator



Model **OSV-60A**



### Features

- Powerful dual action for tough applications for tough applications
- Standard with dust extraction system
- Rugged construction for years of reliable performance

### Specifications

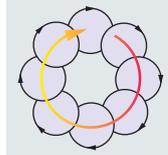
Model	OSV-60A	
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.68
Motor Free Speed	min <sup>-1</sup> (rpm)	8,500
Orbit Diameter	mm	10
Paper Size	mm	150
Mass (Weight)	kg	2.0
Pad	for self stick papers	

### Accessories Included

- Bushing R 1/4 x NPT 1/4
- Spanner 17
- Brush
- Dust Collection Assembly with Dust Bag

### Random orbital action creates a professional finish

By offsetting the sanding pad shaft, fast aggressive sanding is achieved while dramatically reducing swirl patterns. Speed adjustments allow for the best speed for the best job.



# PALM ORBITAL SANDER

Ergonomic lightweight design



Model **APS-125/150**



Non Vacuum

### For Self Vacuum & Central Vacuum

The non-vacuum model is available from stock and can easily be modified to self-vacuum or central vacuum.

#### Self Vacuum



#### Central Vacuum



### Features

- Extremely light. APS-125 weighs just 690g
- Ergonomically designed for operator convenience and comfort
- Powerful high speed 10,000 RPM motor
- Ultra small orbital action for high quality swirl-free finishes
- Available with 125 mm or 150 mm pads
- Variable speed control

### Applications

- Feather edging, metal preparation, and finishing work on body filler
- Curved surface sanding and corner rounding in wood work

### Specifications

Model	APS-125	APS-150	
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.45	0.45
Motor Free Speed	min <sup>-1</sup> (rpm)	10,000	10,000
Orbit Diameter	mm	5	5
Paper Size	mm	125	150
Mass (Weight)	kg	0.69	0.72
Pad Mass (Weight)	kg	0.10	0.12

### Accessories Included

- Spanner 17
- Bushing R 1/4 x NPT 1/4

# AIR DRILL

The power and performance you need to drill deeper and faster

Model  
**ADR-65**



Model  
**ADR-100**



### Features

- Ultra high power to weight ratio
- Ergonomically designed to reduce operator fatigue
- Variable speed control
- Reversible
- Designed for industrial and production applications

### Specifications

Model		ADR-65	ADR-100
<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 {6}	0.6 {6}
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.55	0.67
<b>Free Speed</b>	min <sup>-1</sup> (rpm)	2,900	2,000
<b>Max. Drilling Capacity</b>	mm	6.5	10.0
<b>Mass (Weight)</b>	kg	0.8	1.1

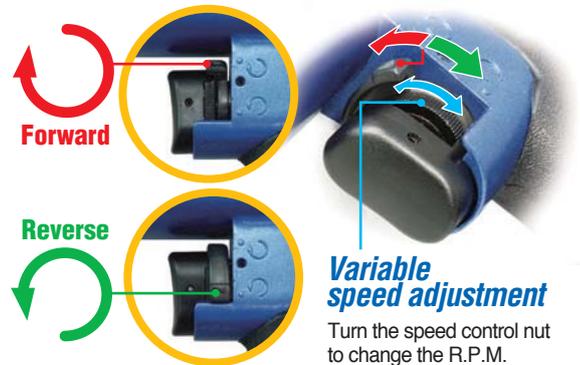
Accessories Included	
	<ul style="list-style-type: none"> <li>• Drill Chuck (Installed)</li> <li>• Chuck Handle</li> <li>• Bushing R 1/4 × NPT 1/4</li> <li>• 30SH</li> </ul>

### Optional Accessory

PN	Description	Sales Unit
TQ10969	Hanger	1 pc.

### Reversible

Change rotation direction by turning the valve as indicated.



# BURR CUTTER

For deburring machined holes



Model  
**BC-005**



### Features

- While gripping the lever, push the countersink into the machined holes to remove burrs
- Optimum speed can be obtained by the adjust valve, resulting in clear deburred surfaces
- Push-to-engage type prevents the countersink from coming off the hole and damaging the workpiece
- Replacement of the countersink is easy and quick with a set of three quick change chucks provided

### Specifications

<b>Air Pressure</b>	MPa (kgf/cm <sup>2</sup> )	0.6 {6}
<b>Air Consumption (No load)</b>	m <sup>3</sup> /min	0.22
<b>Motor Free Speed</b>	min <sup>-1</sup>	420
<b>Deburring Hole Diameter</b>	mm	3 to 34 mm
<b>Countersink Shank Size</b>	mm	6, 8, 10, 12* mm
<b>Mass (Weight)</b>	kg	0.75

Accessories Included	
	<ul style="list-style-type: none"> <li>• Chuck 6 mm</li> <li>• Chuck 8 mm</li> <li>• Chuck 10 mm (Installed)</li> <li>• Suspension Bail</li> <li>• Hex. Socket screw Key 2.5 mm</li> <li>• Bushing R 1/8 × NPT 1/4</li> </ul>

\*Chuck 12 mm is optional.

Countersinks are not provided with the tool. Please purchase them locally.

## HAND BEVELER Model HB-15B *Chamfering up to 15C*



- Ideal for plate, pipe, and tube beveling for welding preparation
- Uses easy-to-replace indexable inserts
- Indexable inserts have four working edges for good economy
- Finishes a surface so fine that post-sanding is unnecessary
- Column R-section can be chamfered with optional attachment
- High speed cutting action minimizes material hardening

**Specifications**

Model	HB-15B	
Power Source (Single phase)	115 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Rated Power Consumption	W 910	910
Rated Current	A 10.5	4
No-load Speed	min <sup>-1</sup> (rpm) 3,340	2,750
Chamfering Capacity (Mild Steel)	0C - 15C	
Chamfer Angle	15° - 45°	
Mass (Weight)	kg 14	

**Accessories Included**

- 4 mm Hex. Socket Screw Key
- 5 mm Hex. Socket Screw Key
- 6 mm Hex. Socket Screw Key
- Spanner 24 × 27
- Hook Spanner 25 - 28
- 3 mm T Wrench Key
- 1 set (12 pieces/set) of TA9A093 Indexable Insert 12.7 sq.

**Optional accessories**

- TA9A728 Pipe Plate Ass'y Capacity 125 to 800 mm O.D.

**Chamfer angle and width**

Chamfer Angle $\alpha$	HB-15B Mild Steel(mm)		Chamfer	Straight
	X	Y		
45°	15	15		
30°	9	15.5		
15°	4	15.4		

Handy Electric Chamfering Tool

## MINI BEVELER Model MB-03A



**Compact and light for speed chamfering**

- An outer R-part attachment allows chamfering of outer diameters with a radius greater than 170 mm
- An optional inner head ass'y allows chamfering a pipe of inner diameter larger than 100 mm (50R)

**Specifications**

Model	MB-03A	
Power Supply (Single phase)	115 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Rated Power Consumption	W 430	
Rated Current	A 2 / 4.5	
Chamfering Capacity (Mild Steel)	Up to 3 mm Chamfer or 2 mm and 3 mm Radius	
Chamfer Angle	min <sup>-1</sup> (rpm) 45°	
Rated Revolutions	kg 7,100	
Mass (Weight)	2.5	

**Accessories Included**

- 3 mm Hex. Socket Screw Key
- 4 mm Hex. Socket Screw Key
- Spanner T-9F

**Optional accessories**

- TA9A386 Indexable Insert 9.525 (10 pcs./set)
- TA9A592 Indexable Insert 9.525 2R (10 pcs./set)
- TA9A638 Indexable Insert 9.525 3R (10 pcs./set)
- TA9A594 Inner Head Ass'y

**Chamfer angle, width and radius**

Chamfer Angle $\alpha$	MB-03A Mild Steel(mm)		Chamfer	Straight	
	X	Y			
45°	3	3			
Model	MB-03A				
Material	Mild Steel				
Radius(mm)	2, 3				

# CHAMFERING PORTABLE CHAMFERING TOOLS MINI BEVELER/CIRCUIT BEVELER

Handy Electric Chamfering Tool

## MINI BEVELER Model EMB-0307B

Double insulation



- Stainless Steel
- 3C
- 4R
- Mild Steel
- 7C
- 4R



- Ideal for edge beveling pipe, tube, and plate
- Designed to bevel stainless and mild steel
- Adjustable to bevel angles 15°- 45°
- Bevel width up to 7 mm on mild steel.
- Uses indexable carbide inserts
- Swarf and chip collection box included

### Specifications

Model	EMB-0307B
Power Supply	220 V - 240 V AC, 50/60 Hz
Rated Power Consumption W	1010
Rated Current A	4.6
Rated Duty	Continuous
No-load Speed min <sup>-1</sup> (rpm)	11,000
Chamfering Capacity	Mild Steel: Up to 7 mm Chamfer or 2, 3, 4 mm Radius Stainless Steel: Up to 3 mm Chamfer or 2, 3, 4 mm Radius
Chamfer Angle m	15 - 45 Degrees
Power Cord Length kg	4.0
Mass (Weight)	3.9

### Chamfer angle, width and radius

Chamfer Angle α	EMB-0307B				Chamfer
	Stainless Steel(mm)		Mild Steel(mm)		
	X	Y	X	Y	
45°	3	3	7	7	Straight
30°	2.2	3.8	3.8	6.6	
15°	1	3.8	1.5	5.6	

Model	EMB-0307B		Radius
Material	Stainless Steel	Mild Steel	
Radius(mm)	2, 3, 4	2, 3, 4	Round

### Accessories Included

- Carbon Brush Ass'y
- 4 mm Hex. Wrench Key
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 × 7
- Dust Box Ass'y
- 2 pieces of Hex. Nut M8
- 2 pieces of 8 × 25 mm Hex. Socket Set Screw
- Spanner T-15D
- 3 pieces of Pan Head Screw 5 × 10

## Electric Radial Chamfering Tool

# CIRCUIT BEVELER

Smoothly chamfering straight and curved edges

Model

## ECB-0203

Double insulation



- Stainless Steel
- 1.5C
- 2R
- Mild Steel
- 3C
- 3R



- Designed to bevel stainless and mild steel
- Minimum chamfering plate thickness is 2 mm (Max. 0.5 mm Chamfer)
- Indexable inserts have four working edges for good economy
- An optional straight plate allows chamfering a straight edge shoulder

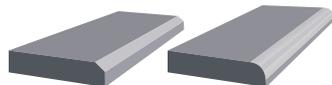
### Specifications

Model	ECB-0203
Power Supply	220 V - 240 V AC, 50/60 Hz
Rated Power Consumption W	450
Rated Duty min	30
No-load Speed min <sup>-1</sup> (rpm)	11,000
Chamfering Capacity	Mild Steel: Up to 3 mm Chamfer or 2* and 3* mm Radius Stainless Steel: Up to 1.5 mm Chamfer or 2* mm Radius
Chamfer Angle	45°
Power Cord Length m	2.5
Mass (Weight) kg	2.5

\*: In case of 3 mm Radius, an optional indexable insert for 3R is necessary, and 2 mm Radius, an optional guide sleeve 24 mm dia. and indexable insert for 2R are necessary.

### Accessories Included

- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw
- 5 mm Hex. Socket Screw Key
- Spanner 8 × 10
- Spanner T-15D
- Sub Handle
- Grip Guard
- Ball Bearing 687zz
- Gauge C3



Chamfering straight edges



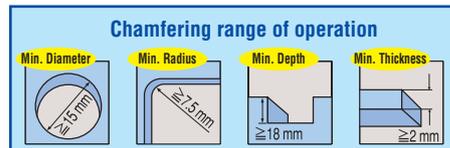
Chamfering curved edges

### Chamfer angle, width and radius

Chamfer Angle α	ECB-0203				Chamfer
	Stainless Steel		Mild Steel(mm)		
	X	Y	X	Y	
45°	1.5	1.5	3	3	Straight

Model	ECB-0203		Radius
Material	Stainless Steel	Mild Steel	
Radius(mm)	2	2, 3	Round



Pneumatic Chamfering Tool

**MINI BEVELER** Lever Type **AMBL-0307** Ring Type **AMB-0307**



**Features**

- Lightweight design for portable edge beveling applications
- Ideal for beveling plate, pipe, tube and other profiles
- Designed to bevel stainless and carbon steels
- Adjustable to bevel angles from 15°- 45°
- 300 mm minimum radius bend
- Bevel width up to 7 mm at 45°
- Uses indexable carbide inserts

Stainless Steel **3C** **4R** Mild Steel **7C** **4R**

**Chamfer angle, width and radius**

Chamfer Angle $\alpha$	AMBL-0307/AMB-0307				Chamfer
	Stainless Steel (mm)		Mild Steel (mm)		
45°	X	Y	X	Y	
30°	2.2	3.8	4	7	
15°	1	3.8	2.2	8	

Model	AMBL-0307/AMB-0307	
Material	Stainless Steel	Mild Steel
Radius (mm)	2, 3, 4	2, 3, 4

**Specifications**

Model	AMBL-0307, AMB-0307	
Air Pressure	MPa {kgf/cm <sup>2</sup> }	0.6 {6}
Air Consumption (No load)	m <sup>3</sup> /min	0.9
Free Speed	min <sup>-1</sup> (rpm)	14,000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer or 2 mm, 3 mm, 4 mm Radius
	Stainless Steel	Up to 3 mm Chamfer or 2 mm, 3 mm, 4 mm Radius
Chamfer Angle	15° - 45°	
Mass (Weight)	kg	2.9

**Accessories Included**

- 3 mm Hex. Socket Screw key
- 4 mm Hex. Socket Screw key
- Spanner T-15F
- 2 pieces of Hex. nut M8
- Bushing R 3/8 x NPT 3/8
- 2 pieces of 8 x 25 Hex. Socket Set Screw
- Indexable Insert Set Screw 4 x 7
- Indexable Insert

Pneumatic Radial Chamfering Tool

**CIRCUIT BEVELER** Model **CB-01**

*Ideally suited for chamfering machine and mold component parts*

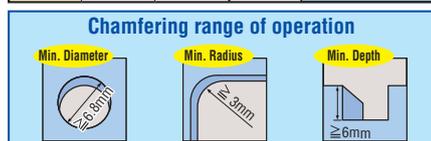


**Features**

- Only requires a 6.8 mm diameter hole for chamfering
- Two 3-sided indexable inserts provide a cost effective way to get a smooth, chatter free finish

**Chamfer angle, width and radius**

Chamfer Angle $\alpha$	CB-01		Chamfer
	Mild Steel (mm)		
45°	X	Y	
	1	1	



**Specifications**

Model	CB-01	
Air Pressure	MPa {kgf/cm <sup>2</sup> }	0.6 {6}
Air Consumption	m <sup>3</sup> /min	0.15
Free Speed	min <sup>-1</sup>	28,000
Chamfering Capacity	Mild Steel	Up to 1 mm Chamfer
	Stainless Steel	Up to 0.5 mm Chamfer
Chamfer Angle	45°	
Mass (Weight)	kg	0.5

**Accessories Included**

- 2 pieces of indexable insert set screw (a back up supply)
- Hex key 2 for chamfering adjustments
- T-6F wrench for cutter set screw
- Bushing R 1/4 x NPT 1/4

**Optional accessories**

- TB09097 Indexable Insert 8.4 for mild steel (10 pcs./set)
- TB09338 Indexable Insert 8.4 for stainless steel (10 pcs./set)
- TB09140 Guide plate 78 Assembly
- TB09143 Plate Assembly for straight edge use
- \*Requires use of TB09140 Guide Plate 78 Assembly

# CHAMFERING

# PORTABLE CHAMFERING TOOLS

# CIRCUIT BEVELER

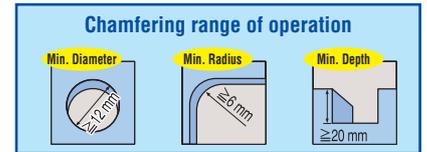
Pneumatic Radial Chamfering Tool

## CIRCUIT BEVELER Model CB-02



### Features

- Uniquely designed to bevel circular, elliptical and straight line profiles
- Bevels exterior and/or interior edges
- Depth gauge provided to accurately set bevel widths



### Chamfer angle, width and radius

Chamfer Angle $\alpha$	CB-02		Chamfer	X	Y	$\alpha$	Straight
	Mild Steel (mm)						
45°	X	Y					
	2	2					

Model	CB-02	Radius	Round
Material	Mild Steel		
Radius (mm)	2		

### Specifications

Model		CB-02
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
Air Consumption (No load)	m <sup>3</sup> /min	0.4
Free Speed	min <sup>-1</sup> (rpm)	13,000
Chamfering Capacity		Up to 2mm Chamfer or 2 mm Radius
Chamfer Angle		45°
Mass (Weight)	kg	1.8

### Accessories Included

- Indexable Insert
- Adjustment gauge
- Spanner T-9F
- Protective cap
- Hook Spanner 58-62
- Bushing R 1/4 × NPT 1/4

### Optional Accessories

- TA9A386 : Indexable Insert 9.525 (10 pcs./set)
- TA9A592 : Indexable insert 9.525 R2 (10 pcs./set)

Pneumatic Radial Chamfering Tool

## CIRCUIT BEVELER Model CBR-03

For Bridge and Shipbuilding Applications



### Bridge

- Radius chamfering on the scallop parts or holes of bridge members

### Shipbuilding

- Meets or exceeds PSPC\* requirements on surface preparation of steel materials prior to coating
- Radius chamfering on steel materials used in seawater ballast tanks and double-side skin bulk carrier production
- Dual cutting head with 4 radius surfaces per tip and a quick-change base

\* PSPC stands for Performance Standard for Protective Coatings regulated by International Marine Organization.

### Specifications

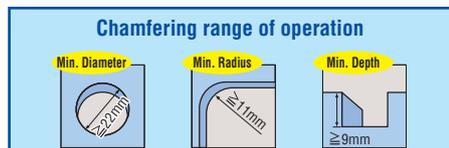
Model		CBR-03
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
Air Consumption (No load)	m <sup>3</sup> /min	0.65
Free Speed	min <sup>-1</sup>	12,000
Chamfering Capacity	mm	3 mm Radius
Chamfer Angle		45°
Mass (Weight)	kg	2.2 (including hose)

### Accessories Included

- 2 pieces of indexable insert (installed)
- Torx Driver
- Insert Setscrew
- Handle

### Chamfer radius

Model	CBR-03	Radius	Round
Material	Mild Steel		
Radius (mm)	3		



	PN	Description	Sales Unit	Application model	Remarks
	TB09097	Indexable Insert 8.4	10 pcs./set	CB-01	
	TB09338	Indexable Insert 8.4 for Stainless Steel	10 pcs./set	CB-01	
	TA9A093	Indexable Insert 12.7	12 pcs./set	HB-15B	
	TB01159	Indexable Insert 12.7 with hole	10 pcs./set	EMB-0307B, AMB-0307, AMBL-0307, ECB-0203	
	TB01791	Indexable Insert 12.7 R2	10 pcs./set	EMB-0307B, AMB-0307, AMBL-0307, ECB-0203	
	TB01651	Indexable Insert 12.7 R3	10 pcs./set	EMB-0307B, AMB-0307, AMBL-0307, ECB-0203	
	TB01790	Indexable Insert 12.7 R4	10 pcs./set	EMB-0307B, AMB-0307, AMBL-0307	
	TB09018	Indexable Insert 12.7 R3	10 pcs./set	CBR-03	
	TA9A386	Indexable Insert 9.525	10 pcs./set	MB-03A, CB-02	
	TA9A592	Indexable Insert 9.525 R2	10 pcs./set	MB-03A, CB-02, ECB-02	
	TA9A638	Indexable Insert 9.525 R3	10 pcs./set	MB-03A	
	TB09143	Plate Assembly for Straight Edge Use	1 set	CB-01	
	TB09140	Guide Plate 78 Assembly	1 set	CB-01	
	TA9A728	Plate Assembly for Pipe	1 set	HB-15B	For pipe 125 - 800 mm dia.
	TB02539	Attachment for Small Dia. Pipe	1 set	EMB-0307B, AMB-0307, AMBL-0307	For pipe 80 - 200 mm dia.
	TA9A594	Inner Head Assembly	1 set	MB-03A	For min. 100 mm dia.
	TB02857	Guide sleeve 24 mm dia. Assembly	1 set	ECB-0203	For chamfering R2
	TB03097	Plate Assembly for Straight Line Use	1 set	ECB-0203	
	TB02862	Dust Box Assembly	1 set	ECB-0203	Used with Plate Ass'y for straight line use
	TB03424	Spanner T-9D	1 pc.	MB-03A, CB-02	
	TQ01683	Spanner T-15D	1 pc.	EMB-0307B, AMB-0307, AMBL-0307, ECB-0203	

# SPRING BALANCER

*TIGON Spring Balancer Improves Work Safety and Efficiency*

## SPRING BALANCER series



MODEL	Capacity (kg)	Stroke (m)	Weight (kg)
TW-00	0.5 - 1.5	0.5	0.2
TW-0	0.5 - 1.5	1.0	0.5
TW-3	1.0 - 3.0	1.3	1.4
TW-5	2.5 - 5.0	1.3	1.5
TW-9	4.5 - 9.0	1.3	3.4
TW-15	9.0 - 15.0	1.3	3.8
TW-22	15.0 - 22.0	1.5	7.2
TW-30	22.0 - 30.0	1.5	7.6
TW-40	30.0 - 40.0	1.5	9.8
TW-50	40.0 - 50.0	1.5	10.4
TW-60	50.0 - 60.0	1.5	11.6
TW-70	60.0 - 70.0	1.5	11.8

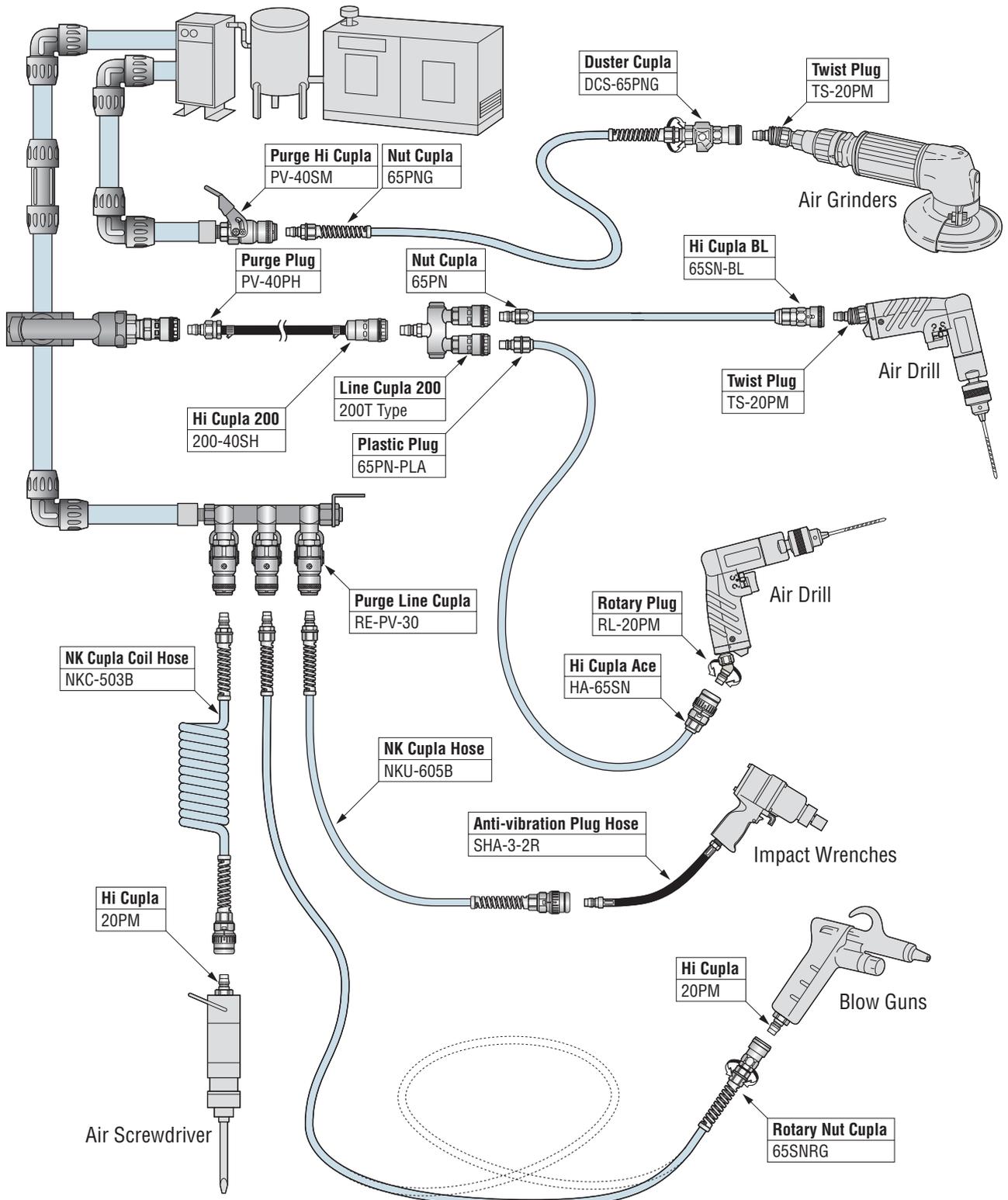
## RETRACTOR series



MODEL	Capacity (kg)	Stroke (m)	Weight (kg)
RW-0	0.5 - 1.5	2.0	0.5
RW-3	1.0 - 3.0	2.0	0.7
RW-5	2.5 - 5.0	2.0	0.9
TW-06R	0.2 - 0.6	1.5	0.3
TW-1R	0.5 - 1.5	1.5	0.3

# CUPLA

Nitto Kohki supplies various types of air Cuplas to meet all needs of air piping from main supply, relays in factories, pipe end connections to pneumatic tools, and those of air piping within equipment. The following sketch gives you some examples of air piping using Hi Cupla Series and may serve as a good reference in selecting appropriate Cuplas. For more information please visit [http://www.nitto-kohki.co.jp/e/prd/d\\_cat/](http://www.nitto-kohki.co.jp/e/prd/d_cat/) and see our eCatalog here.



# HI CUPLA series

## QUICK CONNECTIVE COUPLINGS FOR PNEUMATIC TOOLS

# HI CUPLA

- One-way shut-off cupla with an automatic shut-off valve in the socket
- Important parts are hardened for excellent wear resistance and durability

Plug		For hose connection	
Code	Description		
17PH	For 1/4" hose		
20PH	For 1/4" hose		
30PH	For 3/8" hose		
40PH	For 1/2" hose		
400PH	For 1/2" hose		
600PH	For 3/4" hose		
800PH	For 1" hose		

For female thread connection		
Code	Description	
10PM	For Rc 1/8	
20PM	For Rc 1/4	
30PM	For Rc 3/8	
40PM	For Rc 1/2	
400PM	For Rc 1/2	
600PM	For Rc 3/4	
800PM	For Rc 1	

For male thread connection		
Code	Description	
20PF	For R 1/4	
30PF	For R 3/8	
40PF	For R 1/2	
400PF	For R 1/2	
600PF	For R 3/4	
800PF	For R 1	

For male thread connection (parallel thread)		
Code	Description	
20PFF	For G 1/4"	

Socket		For hose connection	
Code	Description		
17SH	For 1/4" hose		
20SH	For 1/4" hose		
30SH	For 3/8" hose		
40SH	For 1/2" hose		
400SH	For 1/2" hose		
600SH	For 3/4" hose		
800SH	For 1" hose		

For female thread connection		
Code	Description	
10SM	For Rc 1/8	
20SM	For Rc 1/4	
30SM	For Rc 3/8	
40SM	For Rc 1/2	
400SM	For Rc 1/2	
600SM	For Rc 3/4	
800SM	For Rc 1	

For male thread connection		
Code	Description	
20SF	For R 1/4	
30SF	For R 3/8	
40SF	For R 1/2	
400SF	For R 1/2	
600SF	For R 3/4	
800SF	For R 1	

### Specifications

Body material		Steel(Chrome-plated)	Brass	Stainless steel
Size	Thread	1/8" to 1"		
	Hose barb	1/4" to 1" hose		
Working pressure	MPa	1.5	1.0	1.5
	kgf/cm <sup>2</sup>	15	10	15
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard material
	Fluoro rubber	FKM (X-100)	-20°C to +180°C	

# HI CUPLA 200

- Simple and secure push-to-connect type
- New valve design for low pressure loss to achieve flow rate increase

Socket		For hose connection	
Code	Description		
200-17SH	For 1/4" hose		
200-20SH	For 1/4" hose		
200-30SH	For 3/8" hose		
200-40SH	For 1/2" hose		

For female thread connection		
Code	Description	
200-20SM	For Rc 1/4	
200-30SM	For Rc 3/8	
200-40SM	For Rc 1/2	

For male thread connection		
Code	Description	
200-20SF	For R 1/4	
200-30SF	For R 3/8	
200-40SF	For R 1/2	

### Specifications

Body material		Steel (Chrome-plated)		
Size	Thread and hose barb	1/4", 3/8", 1/2"		
	Working pressure	1.5		
Working pressure	MPa	1.5		
	kgf/cm <sup>2</sup>	15		
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-20°C to +60°C	Standard material



## NUT CUPLA



- No hose clamp required
- Nut types are available in Hi Cupla Series and Hi Cupla 200 Series
- To mount on hose, simply slide it over the nipple and tighten the nut

<b>Body material</b>	Steel (Chrome-plated), Stainless Steel
<b>Working pressure</b>	1.5 MPa (15 kgf/cm <sup>2</sup> )
<b>Seal material</b>	Nitrile rubber

## HI CUPLA ACE



- Lightweight plastic coupling with automatic safety lock
- Pressure ratings comparable to steel Cuplas
- Just push plug into socket for simple connection

<b>Body material</b>	Engineering plastics (PBT, POM)
<b>Working pressure</b>	1.5 MPa (15 kgf/cm <sup>2</sup> ) 1.0 MPa (10 kgf/cm <sup>2</sup> ) for Model HA-T
<b>Seal material</b>	Nitrile rubber

## ROTARY PLUG



- Newly developed rotary function allows 360° swivelling
- Rotary neck plug for hose connection to pneumatic tools and pneumatic devices
- Fits at 45° angle to the tool eliminating annoying offset load caused by connected hose

<b>Body material</b>	Steel (Nickel-plated), Stainless Steel
<b>Working pressure</b>	1.5 MPa (15 kgf/cm <sup>2</sup> )
<b>Seal material</b>	Nitrile rubber

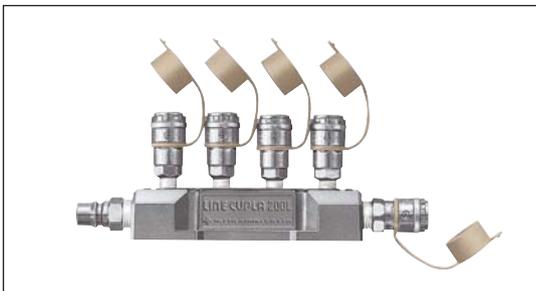
## FULL-BLOW CUPLA



- Unique full-open gate type valve mechanism realizes low pressure loss and high flow rate, which reduces required source air volume
- The flow rate is increased by up to 40% more than that of conventional Cuplas
- During connection and disconnection, the valve is closed, enabling connection/disconnection under zero line pressure

<b>Body material</b>	Aluminum alloy
<b>Working pressure</b>	1.5 MPa (15 kgf/cm <sup>2</sup> )
<b>Seal material</b>	Nitrile rubber

## LINE CUPLA



- Enables several air lines to be taken simultaneously from one supply line
- Just push in the plug into socket for simple and secure connection
- Choose from the 2-outlet type (Model 200T), the 5-outlet straight type (Model 200L) and the 5-outlet star type (Model 200S) to suit your application

<b>Body material</b>	Aluminum
<b>Cupla</b>	Steel (Chrome-plated)
<b>Working pressure</b>	1.5 MPa (15 kgf/cm <sup>2</sup> )
<b>Seal material</b>	Nitrile rubber

\* For more information please visit <http://www.nitto-kohki.co.jp/e/> and see our eCatalog here.

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PORTABLE MAGNETIC BASE DRILLING MACHINE

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Hole Diameter 12 to 27 mm



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**BORING**

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### ATRA ACE manual feed

PORTABLE MAGNETIC BASE DRILLING MACHINE



**BORING**

Model **WOJ-3200**

### ATRA ACE manual feed

PORTABLE MAGNETIC BASE DRILLING MACHINE



**BORING**

Model **AO-5575**

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PORTABLE DOUBLE-ACTING HYDRAULIC PUNCHER

*Puncher*



**PUNCHING**

Model **HS11-1624**

### HYDRAULIC PUMP

for SELFER ACE

*Double-Acting*



Model **HPD-05**

### HANDY SELFER

ELECTRICALLY OPERATED HYDRAULIC PUNCHER



**PUNCHING**

Model **E25-0615**

**Be sure to read and understand all safety precautions mentioned below and to follow the instructions given to operate each Nitto Kohki brand tool as stated in the operator's manual. Keep operators manual close by when operating machines or tools for reference of safe operation and precautions.**

## Safety Precautions

**Failure to observe the following warnings may cause a potentially hazardous situation, which if not corrected could result in serious injury or death. To prevent the risk of fire, electric shock, and/or personal injury, proper safety guidelines should be followed at all times.**

### Warning for ALL Machines and Tools

- Always keep the work area free from clutter and potentially dangerous conditions such as hanging power cords, working debris, air hoses, and garbage to prevent accidents from occurring.
- Consider proper working environments for each tool carefully. Do not expose tools to extreme amounts of moisture or direct contact with water or rain. Keep area well lit at all times to prevent hidden dangers and never operate the equipment near flammable liquids or in gaseous or explosive atmospheres.
- Keep all tools and tool accessories away from children and all unauthorized personnel. Serious injury or possible death may result from machines being handled by children.
- Properly store machines and accessories while not in use. They should be kept in a dry, locked-up location out of reach of children or unauthorized personnel.
- Improper or negligent use of tools will cause increased maintenance costs, and the amount of time in which to complete the job. Always let the tool do the work at the rate of which it was designed. Best performance is always achieved by reading and understanding the proper operation of each machine or tool.
- Always wear safety glasses and protective hand and foot wear during or around operating tools. Wear a protective hair covering to contain long hair. Do not wear loose clothing and/or accessories as they may be caught in moving parts and inflict serious injury or possible death.
- Wear respiratory protection when working in an environment where dust particles are generated during operation.
- Do not over-reach or allow yourself to become unstable during tool operation and always maintain a correct posture.
- Use clamps or a vise to secure the work piece tightly and eliminate vibration. Never hold the work piece with your hands, keep both hands on the tool for increased productivity.
- Use the right tool or machine that can complete the job within its specifications. Do not attempt to adapt smaller machines or tools to complete a job designed for heavy-duty equipment. Do not use the tools for other than what they were designed for. There is a right tool for each job, be aware of tool limitations and never overload.
- Make sure to inspect all external screws, nuts, bolts and attached accessories are fastened tightly and secure prior to each use. All moving parts should be free from obstruction and allowed to operate smoothly. Any damaged or missing parts should be repaired or replaced by the sales agent or distributor from which the tool was originally purchased. Do not use machines or tools which cannot be activated or stopped with a power switch or lever.
- Do not use any machine with a damaged, frayed, cut, or deteriorated power cords or air hoses. Always replace at the first sign of damage.
- Always remove all tools required to adjust, add, or remove parts from tools prior to use to prevent tool damage or user injury.
- Always avoid an unexpected start by having all power buttons or levers in the off position prior to attaching to a power or air supply. Never carry tools with your finger on the on/off switch or lever when the power or air supply is attached.
- Do not use the power or air supply lines to move, carry or support the tool during usage or transportation. Do not place the power or air line near a heat source, oil, water, or items with sharp edges.
- Never leave a machine or tool running unattended. Keep a firm grip on the designated areas of the machine or tool until it comes to a complete stop. Always turn the power switch or lever to the off position and disconnect from the power source when not in use.
- Do not disassemble or modify a tool to complete a job other than what it was designed for. This will void any warranty on the equipment and may cause serious personal injury or possible death.
- Maintenance is necessary for all machines and tools. Always maintain blades and cutters properly and replace when edges become damaged or are not sharp enough for safe operation. Follow the instruction manual for lubrication needs and adjustment points if applicable. Check the power and air supply lines periodically and change accordingly to safety regulations. If an extension line is adopted, always make sure that it meets or exceeds tool requirements for amperage or air supply before using and is rated for outdoor usage. Change supply lines whenever they are found to be defective or damaged. Keep the grip and handles dry and clean of grease or oil so that it will not disturb proper operation.
- Switch off and disconnect from power source before servicing equipment or changing accessories.
- Be alert and pay close attention to the work being performed at all times. Do not operate machines or tools when heavily fatigued. Users should be aware of all circumstances surrounding their application.
- Use only recommended parts and accessories as per individual machine or tool operator manuals. Use of improper accessories or attachments may result in serious injury or possible death.
- All repairs and services must be performed by authorized Nitto Kohki dealers or technicians.
- Do not deface or remove any label, warning indicator, or nameplate associated with each machine or tool.

### Notice for Electric Tools

- The power source must be limited to the individual tools specifications as stated on the nameplate or instruction manual.
- Make sure that all machine and power tools are properly grounded at all times (excludes double-insulated tools). Always use a GFCI (Ground-Fault-Circuit-Interrupt) to protect the user and surrounding persons from electric shock.
- Be aware of low voltage situations. Improperly gauged extension cords or power cords used or shared with other electrical devices will cause all tools on the line to not run at optimal performance. This condition may result in damage to the machine and/or operator.

### Notice for Air Tools

- Air pressure at the inlet of the tool must not exceed 0.6 MPa (6 kgf/cm<sup>2</sup>).

# POWER TOOLS

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