

CHAMFERING

Pneumatic Chamfering Tool

MINI BEVELER

Model **AMBL-0307**

• Lever switch type

Model **AMB-0307** Non-CE

• Ring switch type



7C
4R
Mild Steel

3C
4R
Stainless Steel

Ideal for chamfering plate, pipe, tube and other profiles

- Lightweight design for portable edge chamfering applications
- Designed to chamfer stainless and carbon steels
- Adjustable to chamfer angles from 15° to 45°
- 300 mm minimum radius bend
- Chamfer width up to 7 mm at 45°
- Uses indexable carbide inserts

Specifications

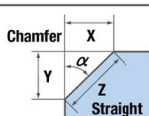
Model		AMBL-0307 / AMB-0307
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.9
Free Speed	min ⁻¹ (rpm)	14000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer or 2, 3, 4 mm Radius
	Stainless Steel	Up to 3 mm Chamfer or 2, 3, 4 mm Radius
Chamfer Angle		15° - 45°
Inlet Size		Rc 3/8
Mass (Weight)	kg	2.9

Accessories Included

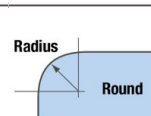
- Indexable Insert with Hole 12.7 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Knob
- 2 pieces of Hex. Socket Set Screw 8 x 25
- 2 pieces of Hex. Nut M8
- 3 mm Hex. Socket Screw Key
- 4 mm Hex. Socket Screw Key
- Spanner T-15F
- Bushing R 3/8 x NPT 3/8

Chamfer Angle, Width and Radius

Chamfer Angle α	Mild Steel(mm)			Stainless Steel(mm)		
	X	Y	Z	X	Y	Z
45°	7	7	9.9	3	3	4.2
30°	4	7	8.1	2.2	3.8	4.4
15°	2.2	8	8.3	1	3.8	3.9



	Mild Steel(mm)	Stainless Steel(mm)
Radius	2, 3, 4	2, 3, 4



Pneumatic Radial Chamfering Tool

CIRCUIT BEVELER

Model **CB-01**

Ideally suited for chamfering machine and mold component parts

- 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
- Aluminum and stainless steel can also be processed with optional indexable insert



1C
Aluminum*

1C
1R
Mild Steel

0.5C
Stainless Steel*

Specifications

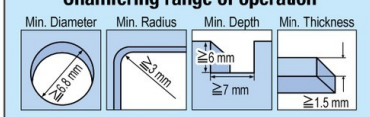
Model		CB-01
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.15
Free Speed	min ⁻¹ (rpm)	28000
Chamfering Capacity	Mild Steel	Up to 1 mm Chamfer or 1 mm Radius
	Stainless Steel*	Up to 0.5 mm Chamfer
	Aluminum*	Up to 1 mm Chamfer
Chamfer Angle		45°
Minimum Workpiece Thickness	mm	1.5 (0.5 mm Chamfer)
Inlet Size		Rc 1/4
Mass (Weight)	kg	0.5

*Optional indexable insert is required.

Accessories Included

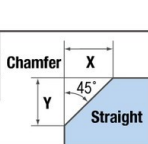
- 2 pieces of Indexable Insert 8.4 (Installed)
- 2 pieces of Indexable Insert Set Screw (Installed)
- 2 pieces of Indexable Insert Set Screw
- 2 mm Hex. Socket Screw Key for Chamfering Adjustments
- Spanner T-6F for Replacement of Indexable Insert
- Bushing R 1/4 x NPT 1/4

Chamfering range of operation

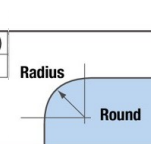


Chamfer Angle and Width

Mild Steel(mm)		Stainless Steel(mm)		Aluminum(mm)	
X	Y	X	Y	X	Y
1	1	0.5	0.5	1	1



	Mild Steel(mm)
Radius	1



CHAMFERING

Pneumatic Radial Chamfering Tool

CIRCUIT BEVELER

Model **CB-02**

Uniquely designed to chamfer circular, elliptical and straight line profiles

- Chamfers exterior and/or interior edges
- Depth gauge provided to accurately set chamfer widths
- Optional attachment PN TB02437 available for chamfering thin materials



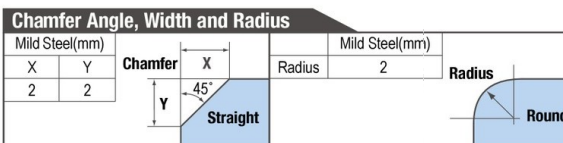
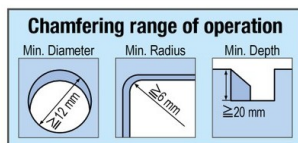
2C
2R
Mild Steel

Specifications

Model	CB-02	
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.4
Free Speed	min ⁻¹ (rpm)	15000
Chamfering Capacity	Up to 2 mm Chamfer or 2 mm Radius	
Chamfer Angle	45°	
Inlet Size	Rc 1/4	
Mass (Weight)	kg	1.8

Accessories Included

- Indexable Insert 9.525 (Installed)
- Indexable Insert 9.525
- Adjustment Gauge
- Spanner T-9F
- Protective Cap
- Hook Spanner 58-65
- Bushing R 1/4 x NPT 1/4



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 PSCP* 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

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



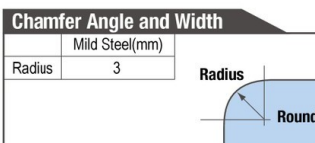
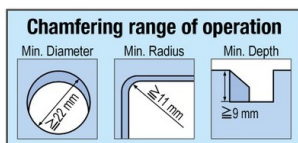
3R
Steel

Specifications

Model	CBR-03	
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.65
Free Speed	min ⁻¹ (rpm)	12000
Chamfering Capacity	3 mm Radius	
Minimum Workpiece Thickness	mm	6
Inlet Size	Rc 1/4	
Mass (Weight)	kg	2

Accessories Included

- 2 pieces of Indexable Insert 12.7 R3 (Installed)
- 2 pieces of Indexable Insert Set Screw (Installed)
- Indexable Insert Set Screw
- Spanner T-15D
- Handle

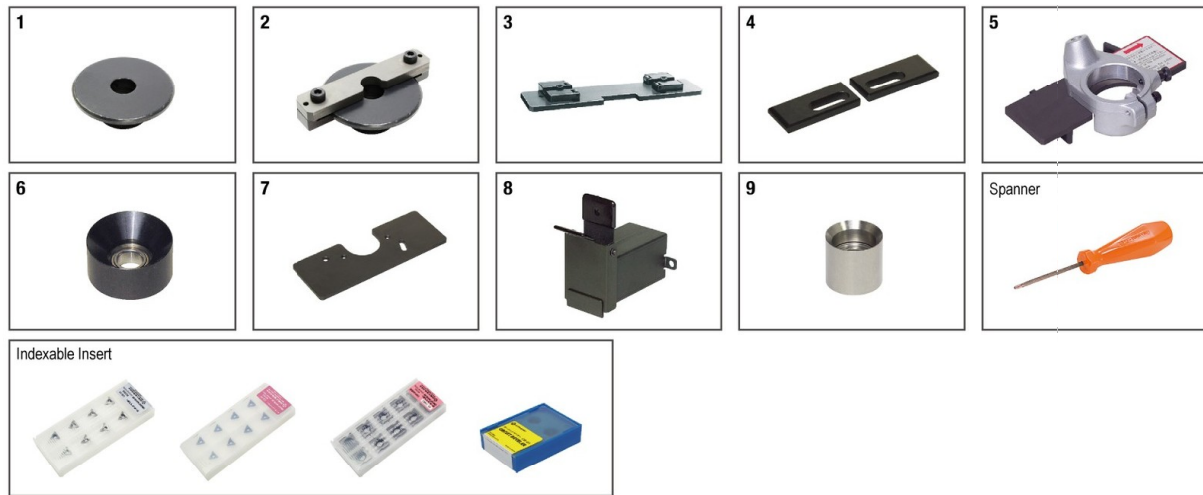


CHAMFERING

Optional Beveler Accessories

Ref. No.	PN	Description	Sales Unit	HB-15B	EMB-0307C AMBL-0307 AMB-0307	MB-03A	ECB-0203	CB-01	CB-02	CBR-03
-	TB09097	Indexable Insert 8.4 for Mild Steel	10 pcs./set					●		
-	TB09338	Indexable Insert 8.4 for Stainless Steel	10 pcs./set					●		
-	TB10407	Indexable Insert 8.4 for Aluminum	4 pcs./set					●		
-	TB10656	Indexable Insert 8.4 R1	4 pcs./set					●		
-	TA9A093	Indexable Insert 12.7	12 pcs./set	●						
-	TB01159	Indexable Insert 12.7 with Hole	10 pcs./set		●		●			
-	TB01791	Indexable Insert 12.7 R2	10 pcs./set		●		●			
-	TB01651	Indexable Insert 12.7 R3	10 pcs./set		●		●			
-	TB01790	Indexable Insert 12.7 R4	10 pcs./set		●					
-	TB09018	Indexable Insert 12.7 R3	10 pcs./set							●
-	TA9A386	Indexable Insert 9.525	10 pcs./set			●			●	
-	TA9A592	Indexable Insert 9.525 R2	10 pcs./set			●			●	
-	TA9A638	Indexable Insert 9.525 R3	10 pcs./set			●				
1	TB09140	Guide Plate 78 Ass'y for More Stable Operation	1 set					●		
2	TB09143	Plate Ass'y for Straight Edge Use	1 set					●		
3	TA9A728	Pipe and tube Beveling Attachment	1 set	●						
4	TB02539	Attachment for Small Dia. Pipe	1 set		●					
5	TA9A594	Inner Head Ass'y	1 set			●				
6	TB02857	Guide sleeve 24 mm dia. Ass'y	1 set				●			
7	TB03097	Plate Ass'y for Straight Line Use	1 set				●			
8	TB02862	Dust Box Ass'y	1 set				●			
9	TB02437	Thin Plate Attachment Ass'y	1 set						●	
-	TB03424	Spanner T-9D	1 piece			●			●	
-	TQ01683	Spanner T-15D	1 piece		●		●			

Ref. No.2: Requires use of TB09140 Guide Plate 78 Ass'y Ref. No.3: Capacity 125 to 800 mm O.D. Ref. No.4: Capacity 80 to 200 mm O.D. Ref. No.5: Capacity Minimum 100 mm I.D.
 Ref. No.6: For chamfering R2 Ref. No.7: Used with Plate Ass'y for Straight Line Use Ref. No.8: Used with Plate Ass'y for Straight Line Use



TB09140 Guide Plate 78 Ass'y for More Stable Operation



TB09143 Plate Ass'y for Straight Edge Use

SCALING

Pneumatic Chipping Hammer

AIR CHIPPER

Removes weld spatter quickly and easily

- Ideal tool for quickly and efficiently removing weld spatter, 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

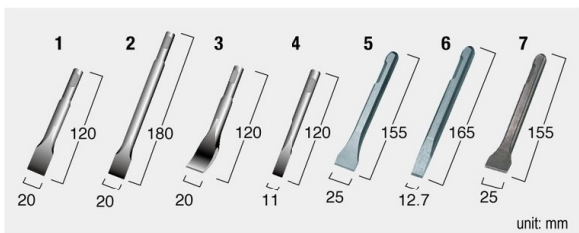
	ACH-16	CH-24
Model		
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.2
Strokes per Minute	min ⁻¹	4000
Shank Size	mm	12.7 Square
Inlet Size		Rc 3/8
Mass (Weight)	kg	1.7
Accessories included	<ul style="list-style-type: none"> • TQ03431 Flat Chisel (Installed) • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • TP15166 Curved Flat Chisel (Installed) • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8

Optional Chisels for Air Chipper ACH-16

Ref. No.	PN	Description	Sales Unit
1	TQ03431	Flat Chisel 20 x 120	1 piece
2	TQ03452	Flat Chisel 20 x 180	
3	TQ03453	Curved Flat Chisel 20 x 120	
4	TQ03549	Flat Chisel 11 x 120	

Optional Chisels for Air Chipper CH-24

Ref. No.	PN	Description	Sales Unit
5	TP15233	Flat Chisel 25 x 155	1 piece
6	TP15234	Straight Flat Chisel 12.7 x 165	
7	TP15166	Curved Flat Chisel 25 x 155	



SCALING

Air Hammer

AUTO CHISEL

Model **A-300** 
























A special spool valve inside grip assures excellent durability

- Designed for speeding up the repair and sheet metal work 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



Specifications		A-300
Model		A-300
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.3
Strokes per Minute	min ⁻¹	2600
Shank Size	mm	10
Inlet Size		Rc 1/4
Mass (Weight)	kg	1.7
Accessories Included		<ul style="list-style-type: none"> • Bushing R 1/4 x NPT 1/4 • Hose Nipple R 1/4 x 1/4

*Chisels are not included as standard.

Optional Chisels		*An order is available from one piece.	
<p>PN: TP00572 Blank Chisel No.1001</p>  <p>For a variety of sheet metal work, bending, and rivet closing jobs</p>	<p>PN: TP00573 Flat Chisel No.1002</p>  <p>Puts increased efficiency into scraping, peeling spot welds, and cutting off bolts and pins</p>	<p>PN: TP04606 Sheet Metal Chisel A No.1003</p>  <p>Cuts shapes in sheet metal fast</p>	<p>PN: TP00575 Sheet Metal Chisel B No.1004</p>  <p>Just the chisel for cutting off sheet metal body panel</p>
<p>PN: TP00576 Silencer Cutting Chisel No.1005</p>  <p>A quick cut-off chisel for muffler piping</p>	<p>PN: TP00577 Rubber Bushing Remover No.1006</p>  <p>Helps you remove idle arm sleeves and bushings in record time</p>	<p>PN: TP00578 Spot Weld Booster No.1007</p>  <p>Ideal for peeling off spot welded points and cutting off pins</p>	<p>PN: TP00579 Bushing Tool No.1008</p>  <p>Puts speed and ease into the job of bushing insertion</p>
<p>PN: TP00580 Punch No.1009</p>  <p>For driving out pins and rivets, and fitting and removing bearings and races</p>	<p>PN: TP00581 Bushing Removing Tool No.1010</p>  <p>A faster servicing aid in removing bushings</p>	<p>PN: TP00582 Sheet Metal Punch No.1011</p>  <p>Opens holes for bolts and rivets</p>	<p>PN: TP00583 20 mm Bending Chisel No.1012</p>  <p>Helps you in peening and removing slag around welds</p>
<p>PN: TP00584 * Fork Chisel 24 No.1013</p>  <p>Disconnecting tie rod ends and ball joints</p>	<p>PN: TP00586 * Fork Chisel 35 No.1016</p>  <p>Disconnecting tie rod ends and ball joints</p>	<p>PN: TP00585 * Fork Chisel 15 No.1017</p>  <p>Disconnecting tie rod ends and ball joints</p>	<p>PN: TP00589 38 mm Scraper No.1018</p>  <p>Peeling paint & removing rust from iron plate</p>
<p>PN: TP00590 60 mm Scraper No.1019</p>  <p>Peeling paint & removing rust from iron plate</p>	<p>PN: TP00591 60 mm Concave Scraper No.1020</p>  <p>Removing incrustation from pipe</p>	<p>PN: TP04995 Sheet Metal Chisel C No.1023</p>  <p>Cuts shapes in sheet metal fast</p>	<p>PN: TP05244 Molpoint Chisel No.1024</p>  <p>Breaking-up concrete, removing sand from castings</p>
<p>PN: TP05775 Rivet Removing Punch No.1025</p>  <p>Removing rivets from brake lining of heavy duty cars</p>	<p>PN: TP05801 Rivet Caulking Chisel No.1026</p>  <p>Caulking brake lining of heavy duty cars</p>	<p>PN: TQ02662 Fork Chisel Spring</p>  <p>Mount this part when using Fork Chisel 24, Fork Chisel 35 or Fork Chisel 15.</p>	<p>*Fork Chisel Spring must be mounted in order to use Fork Chisel 24, Fork Chisel 35 or Fork Chisel 15.</p>

SCALING

Pneumatic Scaler

SUPER KELEN

Industrial and shipboard pneumatic scalers

- 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
- Tool-less chisel installation and removal

Model **S-250** Non-CE



Model **S-500** Non-CE



Model **S-1000** Non-CE



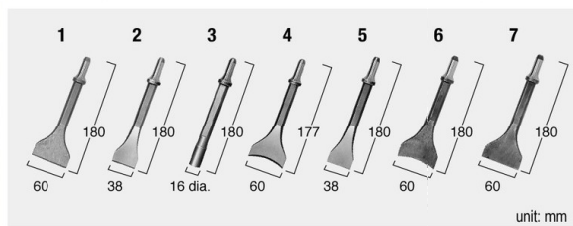
Specifications

Model	S-250	S-500	S-1000
Air Pressure	MPa (kgf/cm ²)	0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.27	
Strokes per Minute	min ⁻¹	2500	
Shank Size	mm	12.7	
Inlet Size		Rc 1/4	
Mass (Weight)	kg	4.1	6.1
Accessories Included	• No.2005 38 mm Bend Scraper (Installed) • Hose Lock Nut M16 • Hose Nipple 3/8		



Optional Chisels

Ref. No.	PN	Description	Sales Unit
1	TP03645	No.2001 60 mm Scraper	1 piece
2	TP03646	No.2002 38 mm Scraper	
3	TP03647	No.2003 Blank Chisel	
4	TP04010	No.2004 60 mm Concave Scraper	
5	TP04552	No.2005 38 mm Bend Scraper	
6	TP04553	No.2006 60 mm Concave Bend Scraper	
7	TP04554	No.2007 60 mm Bend Scraper	



SCALING

Needle Scaler

JET CHISEL

Powerful scaling with multi-needles

- 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 (JEX-2800A and JEX-20 have balancing springs)

Model JC-16 CE

- Lightweight model



Model JEX-24 CE

- Universal model



Model JEX-28 CE

- Heavy-duty model



Model JEX-2800A CE

- Reduced vibration model



Specifications

Model	JC-16	JEX-24	JEX-28	JEX-2800A
Air Pressure	MPa (kgf/cm ²)		0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.15	0.27	0.35
Strokes per Minute	min ⁻¹	4000	4000	3700
Inlet Size			Rc 3/8	
Mass (Weight)	kg	1.4	2.7	3.5
Accessories Included	<ul style="list-style-type: none"> • 29 pieces of 2 mm x 150 mm Needles (Installed) • 29 pieces of 2 mm x 150 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • 23 pieces of 3 mm x 180 mm Needles (Installed) • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • 28 pieces of 3 mm x 180 mm Needles (Installed) • 14 pieces of 4 mm x 180 mm Needles • Needle supporter 4 mm • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • 28 pieces of 3 mm x 180 mm Needles (Installed) • 14 pieces of 4 mm x 180 mm Needles • Needle supporter 4 mm • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8

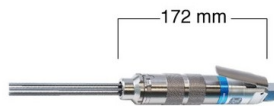
Model AJC-16 CE

- Slim model



Model JT-16 CE

- Small and lightweight model



Model JT-20 CE

- Medium duty model



Model JEX-20 CE

- Reduced vibration model



Specifications

Model	AJC-16	JT-16	JT-20	JEX-20
Air Pressure	MPa (kgf/cm ²)		0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.07	0.16	0.2
Strokes per Minute	min ⁻¹	6000	6000	4000
Inlet Size			Rc 3/8	
Mass (Weight)	kg	0.98	0.8	2.4
Accessories Included	<ul style="list-style-type: none"> • 3 pieces of 3 mm x 180 mm Needles (Installed) • 3 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • 6 pieces of 3 mm x 180 mm Needles (Installed) • 6 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • 12 pieces of 3 mm x 180 mm Needles (Installed) • 12 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8 	<ul style="list-style-type: none"> • 12 pieces of 3 mm x 180 mm Needles (Installed) • 12 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8

SCALING

Electric Needle Scaler

JET CHISEL

Model **EJC-32A** 



Powerful 300 watt double insulated motor

- Extended length, slim barrel design
- Adjustable front handle for operator comfort and convenience

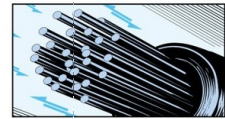
Specifications

Model	EJC-32A	
Power Source (Single Phase)	110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
Rated Power Consumption	W	300
Rated Current	A	2.8 1.4
Duty Cycle	min	30
Strokes per Minute	min ⁻¹	3000
Power Cord Length	m	5
Mass (Weight)	kg	4.5



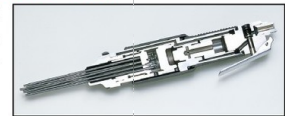
Shot Peening Effect

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.



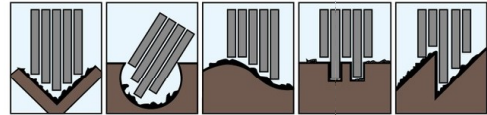
Full Automatic System - Excludes EJC-32A

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.



Self-Adjusting Needles

Jet Chisel needles automatically adjust to any surface contour. They get deep into corners, reach into uneven surfaces, and conform to all types of shapes, making it a tool no shop should be without.



Combination of Needle and Needle Supporter		Model								
		JC-16	JEX-24	JEX-28	JEX-2800A	AJC-16	JT-16	JT-20	JEX-20	EJC-32A
2 mm	Number of Needles Required	29 pcs.	53 pcs.	66 pcs.	66 pcs.	7 pcs.	15 pcs.	29 pcs.	29 pcs.	32 pcs.
	Needle Supporter PN	TP00290	TP02244	TP01499	TP01499	TQ05210	TQ15316	TP00338	TP00338	TP16475
3 mm	Number of Needles Required	-	23 pcs.	28 pcs.	28 pcs.	3 pcs.	6 pcs.	12 pcs.	12 pcs.	15 pcs.
	Needle Supporter PN	-	TP02245	TP01461	TP01461	TQ04554	TQ15315	TP00337	TP00337	TP16301
4 mm	Number of Needles Required	-	-	14 pcs.	14 pcs.	-	-	-	-	-
	Needle Supporter PN	-	-	TP01462	TP01462	-	-	-	-	-

Needle		PN	Sales Unit	Model							
Diameter	Length			JC-16	JEX-24	JEX-28	JEX-2800A	AJC-16	JT-16	JT-20	JEX-20
2 mm	150 mm	TA98780	100 pcs./set	●	●	●	●	●	●	●	●
	180 mm	TA98781	100 pcs./set	●	●	●	●	●	●	●	●
	300 mm	TA9A213	50 pcs./set	●	●	●	●	●	●	●	●
	500 mm	TA9A214	50 pcs./set	●	●	●	●	●	●	●	●
3 mm	180 mm	TA98782	100 pcs./set		●	●	●	●	●	●	●
	300 mm	TA9A216	50 pcs./set		●	●	●	●	●	●	●
	500 mm	TA9A217	50 pcs./set		●	●	●	●	●	●	●
	800 mm	TA9A218	50 pcs./set		●	●	●	●	●	●	●
4 mm	180 mm	TA98783	50 pcs./set			●	●				
	300 mm	TA9A220	50 pcs./set			●	●				
	500 mm	TA9A221	50 pcs./set			●	●				



Optional Needles

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

GRINDING & SANDING

Pneumatic Grinder

MYTON

Heavy-duty grinders for tough applications

- Side exhaust with noise reduction system
- Great power/weight ratio

Model MYG-25

- For Grinding Wheel 58 mm
- Compact and lightweight type



Model MYG-40

- For Grinding Wheel 100 mm
- Powerful type



Model MAGW-40

- Lever switch type
- Depressed center wheel 100 mm



Model MAGW-40 Non-CE

- Ring switch type
- Depressed center wheel 100 mm



Specifications

Model	MYG-25	MYG-40	MAGW-40 Lever Type	MAGW-40 Ring Type
Air Pressure	MPa (kgf/cm ²) 0.6 (6)			
Air Consumption	m ³ /min 0.42 (No-load)	m ³ /min 0.50 (No-load) 0.69 (Load)	m ³ /min 0.68 (No-load) 0.82 (Load)	
Free Speed	min ⁻¹ (rpm) 19000		min ⁻¹ (rpm) 13000	
Depressed Center Grinding Wheel	mm 58		mm 100	
Inlet Size	Rc 1/4		Rc 3/8	
Mass (Weight)	kg 0.6		kg 1.5	
Accessories Included	<ul style="list-style-type: none"> • 5 mm Hex. Socket Screw Key • 19 mm Single Ended Spanner • Grinding Wheel GS #80 x 58 • Bushing R 1/4 x NPT 1/4 	<ul style="list-style-type: none"> • 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 	<ul style="list-style-type: none"> • 6 mm Hex. Socket Screw Key • 17 mm Single Ended Spanner • Bushing R 3/8 x NPT 3/8 	

Model MYG-50

- Lever switch type
- For Grinding wheel 125 mm
- Heavy grinding type



Model MYG-70

- Lever switch type
- For Grinding wheel 180 mm
- Heavy grinding type



Model MYG-70 Non-CE

- Ring switch type
- For Grinding wheel 180 mm
- Heavy grinding type



Specifications

Model	MYG-50	MYG-70 Lever Type	MYG-70 Ring Type
Air Pressure	MPa (kgf/cm ²) 0.6 (6)		
Air Consumption	m ³ /min 0.75 (No-load)	m ³ /min 0.70 (No-load) 0.95 (Load)	
Free Speed	min ⁻¹ (rpm) 11000		min ⁻¹ (rpm) 7600
Depressed Center Grinding Wheel	mm 125		mm 180
Inlet Size	Rc 3/8		
Mass (Weight)	kg 2.5 (with handle)		kg 2.4 (with handle)
Accessories Included	<ul style="list-style-type: none"> • Handle (anti-vibration type) • 4 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Pin Face Wrench • Bushing R 3/8 x NPT 3/8 	<ul style="list-style-type: none"> • Handle • 6 mm Hex. Socket Screw Key • 10 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 	

GRINDING & SANDING

Pneumatic Sander

MYTON

Ideal for sanding and/or polishing metal, aluminum, wood, plastic and many other materials

- Compact and lightweight design for working in confined spaces
- Side exhaust with noise reduction system

Model MYS-20

- For Abrasive discs 1", 1 - 1/2" & 2"
- Compact and lightweight type



Model MYS-40

- For Abrasive disc 100 mm
- Light sanding type



Model MYS-70 Non-CE

- Ring switch type
- For Abrasive disc 180 mm
- Medium sanding type
- Japanese model



Specifications

Model	MYS-20	MYS-40	MYS-70
Air Pressure	MPa (kgf/cm ²)	0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.42	0.45
Free Speed	min ⁻¹ (rpm)	19000	13700
Abrasive Disc	1", 1 - 1/2" and 2"	100 mm	180 mm
Inlet Size		Rc 1/4	Rc 3/8
Mass (Weight)	kg	0.6	1.1
Accessories Included	<ul style="list-style-type: none"> • 2 pieces of 14 mm Single Ended Spanner • Bushing R 1/4 x NPT 1/4 • 1" Disc Sanding Pad • 1-1/2" Disc Sanding Pad • 2" Disc Sanding Pad • Assortment of Sample Abrasive Discs Contains: 2 each of #60, #80, #100 and #120 1" Abrasive Disc 2 each of #60, #80, #100 and #120 1-1/2" Abrasive Disc 2 each of #60, #80, #100 and #120 2" Abrasive Disc 	<ul style="list-style-type: none"> • 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 	<ul style="list-style-type: none"> • Handle • 41 mm Single Ended Spanner • 10 mm Hex. Socket Screw Key

Grinding Discs for MYTON MYG-25

PN	Description	Sales Unit	Disc
TB08872	GS#46 x 58 mm	5 pcs./set	
TB08873	GS#60 x 58 mm		
TB08874	GS#80 x 58 mm	10 pcs./set	
TB08875	GS#100 x 58 mm		
TB08876	GS#120 x 58 mm	5 pcs./set	
TB09074	Myton Disc Z Z#40 x 58	5 pcs./set	
TB09075	Myton Disc Z Z#60 x 58		
TB09076	Myton Disc Z Z#80 x 58	5 pcs./set	
TB09077	Myton Disc Z Z#100 x 58		
TB09078	Myton Disc Z Z#120 x 58	5 pcs./set	
TB09079	Myton Disc SA A#40 x 58		
TB09080	Myton Disc SA A#60 x 58	5 pcs./set	
TB09081	Myton Disc SA A#80 x 58		
TB09082	Myton Disc SA A#100 x 58	5 pcs./set	
TB09083	Myton Disc SA A#120 x 58		

Designed for curve sanding.

*Please use commercially available consumables for MYG-40/MYG-70.



MYG-25

Sanding Discs and Disc Pads for MYTON MYS-20

PN	Description	Sales Unit	Sanding Disc	Disc Pad	Sales Unit
TB09736	Sanding Disc 1" x #40	25 pcs./set			1 piece
TB09737	Sanding Disc 1" x #60				
TB09738	Sanding Disc 1" x #80				
TB09739	Sanding Disc 1" x #100				
TB09740	Sanding Disc 1" x #120				
TB09741	Sanding Disc 1" x #180	25 pcs./set			1 piece
TB09742	Sanding Disc 1" x #240				
TB09743	Sanding Disc 1" x #320				
TB09744	Sanding Disc 1 - 1/2" x #40				
TB09745	Sanding Disc 1 - 1/2" x #60				
TB09746	Sanding Disc 1 - 1/2" x #80	25 pcs./set			1 piece
TB09747	Sanding Disc 1 - 1/2" x #100				
TB09748	Sanding Disc 1 - 1/2" x #120				
TB09749	Sanding Disc 1 - 1/2" x #180				
TB09750	Sanding Disc 1 - 1/2" x #240				
TB09751	Sanding Disc 1 - 1/2" x #320	25 pcs./set			1 piece
TB09752	Sanding Disc 2" x #40				
TB09753	Sanding Disc 2" x #60				
TB09754	Sanding Disc 2" x #80				
TB09755	Sanding Disc 2" x #100				
TB09756	Sanding Disc 2" x #120	25 pcs./set			1 piece
TB09757	Sanding Disc 2" x #180				
TB09758	Sanding Disc 2" x #240				
TB09759	Sanding Disc 2" x #320				

*Please use commercially available consumables for MYS-40/MYS-70.

SANDING

Pneumatic Belt Sander

BELTON

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

- Quick belt change
- Rear exhaust system

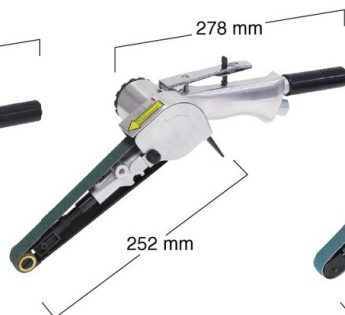
Model B-10CL

- Belt size 10 mm (W)



Model B-20CL

- Belt size 20 mm (W)



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



Model B-20CL-A

- Belt size 20 mm (W)

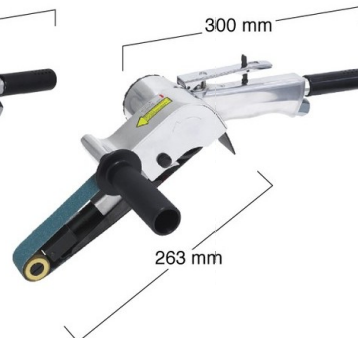


The Idle Pulley for B-20CL-A is supported on both sides.



Model B-30CL

- Belt size 30 mm (W)



Specifications

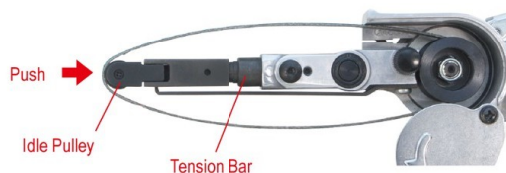
Model	B-10CL	B-20CL	B-20CL-A	B-30CL
Air Pressure	MPa (kgf/cm ²)		0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.4	0.48	0.82
Free Speed	min ⁻¹ (rpm)	17000	18000	15000
Belt Speed	m/min	1120	2770	2310
Belt Size	mm	10 x 330	20 x 520	30 x 540
Inlet Size			Rc 1/4	
Mass (Weight)	kg	0.9	1.6	1.5
Accessories Included	<ul style="list-style-type: none"> • 2 pieces of Abrasive Belt Z#60 x 10 mm (1 piece installed) • Abrasive Belt Z#80 x 10 mm • Abrasive Belt Z#100 x 10 mm • Abrasive Belt Z#120 x 10 mm • 1.5 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 	<ul style="list-style-type: none"> • 2 pieces of Abrasive Belt Z#60 x 20 mm (1 piece installed) • Abrasive Belt Z#80 x 20 mm • Abrasive Belt Z#100 x 20 mm • Abrasive Belt Z#120 x 20 mm • 2.5 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Convex Shoe 	<ul style="list-style-type: none"> • 2 pieces of Abrasive Belt Z#60 x 30 mm (1 piece installed) • Abrasive Belt Z#80 x 30 mm • Abrasive Belt Z#100 x 30 mm • 5 mm Hex. Socket Screw Key • Handle Assy • Bushing R 1/4 x NPT 1/4 	

Easy belt change

Abrasive belt can be changed easily. *Rotate and open the cover when changing.

Self-locking

Push the idle pulley into self-lock position to loosen the belt.



For all models

Unlock

Press the push button to pull back the tension bar.



10/20 Type

Press the shoe in the direction of the arrow.

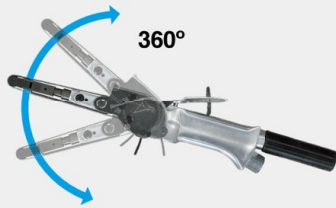


30 Type

SANDING

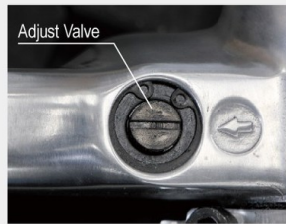
Adjustable angle for efficient operation

Guard angle can be changed freely in accordance with the working position and shape of the workpiece.



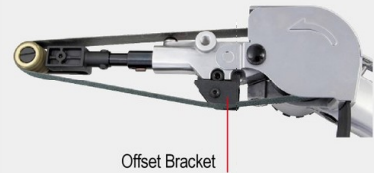
Belt Speed Adjustment

Belt speed can be easily adjusted by turning the adjust valve with a screwdriver.



Curved surface grinding

Curved surface grinding is possible by using the Offset Bracket (Optional).



Abrasive Belt for B-10CL

Grit	PN	
	Zirconia (Z)	Alumina (AA)
#40	-	-
#60	TB00241	-
#80	TB00242	-
#100	TB00243	-
#120	TB00244	-
#180	TB00245	-
#240	TB00246	-
#400	-	TA9A237
Sales Unit	50 pcs./set When using the belt, optional Bracket 6 Ass'y and Shoe 6 are required. (Ref. No.5, 6)	

Abrasive Belt for B-10CL

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	-	-	TB08368
#60	TA9A064	-	TB08369
#80	TB00076	-	TB08370
#100	TB00077	-	TB08371
#120	TB00247	-	TB08372
#180	TB00248	-	-
#240	TB00249	-	-
#400	-	TA9A244	-
Sales Unit	50 pcs./set	50 pcs./set	

Abrasive Belt for B-20CL, B-20CL-A

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	TA99605	-	TB08373
#60	TA99606	-	TB08374
#80	TA99607	-	TB08375
#100	TA99608	-	TB08376
#120	TA99609	-	TB08377
#180	TB00250	-	-
#240	TB00251	-	-
#320	-	TA9A253	-
#400	-	TA9A254	-
Sales Unit	20 pcs./set	20 pcs./set	

Abrasive Belt for B-30CL

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	TB00252	-	TB08378
#60	TB00253	-	TB08379
#80	TB00254	-	TB08380
#100	TB00255	-	TB08381
#120	TB00256	-	TB08382
#180	TB00257	-	-
#240	TB00258	-	-
#320	-	TA9A263	-
#400	-	TA9A264	-
Sales Unit	20 pcs./set	20 pcs./set	

Optional Parts

Ref. No.	PN	Description	Sales Unit	Applicable Model		
				B-10CL	B-20CL B-20CL-A	B-30CL
1	TB09997	Offset Bracket 10 Ass'y	1 set	●		
2	TB10192	Offset Bracket 20 Ass'y	1 set		●	
3	TB08150	Offset Bracket 30 Ass'y	1 set			●
4	TB09938	Finger Pad Ass'y	1 set		●	
5	TB09996	Bracket 6 Ass'y	1 set	●		
6	TP14770	Shoe 6	1 piece	●		
7	TB10191	Convex Shoe	1 piece		●	



* for Abrasive belt width 6 mm



SANDING

Pneumatic Belt Sander

BABY BELTON

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

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

Model BB-10B

- Lever switch type
- Belt size 10 mm (W)



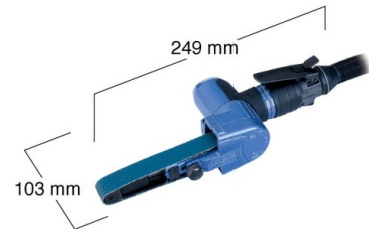
Model BB-10B Non-CE

- Ring switch type
- Belt size 10 mm (W)



Model BB-20

- Belt size 20 mm (W)



Specifications

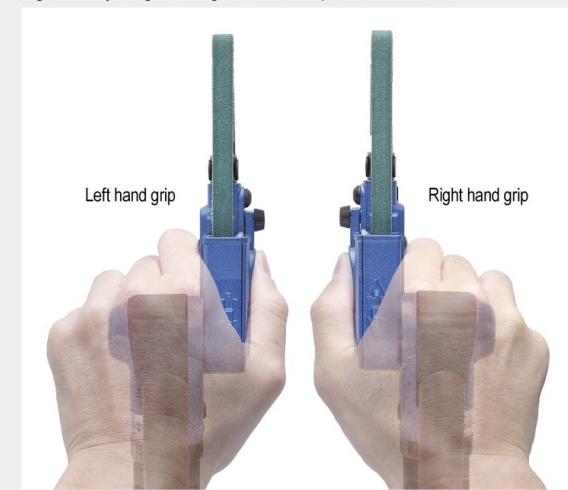
Model	BB-10B Lever Type	BB-10B Ring Type	BB-20
Air Pressure	MPa (kgf/cm ²)	0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.2	0.43
Free Speed	min ⁻¹ (rpm)	17000	16000
Belt Speed	m/min	1120	1100
Belt Size	mm	10 x 330	20 x 330
Inlet Size		Rc 1/4	
Mass (Weight)	kg	0.55	0.8
Accessories Included	<ul style="list-style-type: none"> • Abrasive Belt Z#100 x 10 mm (Installed) • Abrasive Belt Z#120 x 10 mm • Abrasive Belt Z#180 x 10 mm • Abrasive Belt Z#240 x 10 mm • 1.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Offset Bracket Ass'y 	<ul style="list-style-type: none"> • Abrasive Belt Z#100 x 10 mm (Installed) • Abrasive Belt Z#120 x 10 mm • Abrasive Belt Z#180 x 10 mm • Abrasive Belt Z#240 x 10 mm • 1.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Offset Bracket Ass'y 	<ul style="list-style-type: none"> • Abrasive Belt Z#60 x 20 mm (Installed) • Abrasive Belt Z#120 x 20 mm • Abrasive Belt Z#240 x 20 mm • 2.5 mm Hex. Socket Screw Key • 3 mm Hex. Socket Screw Key • Shoe • Dust Cover • Bushing R 1/4 x NPT 1/4

Quick and easy belt installation and removal "NO Tools Required"



The throttle lever can be turned by 180 degrees.

Ergonomically designed for right or left hand operator convenience



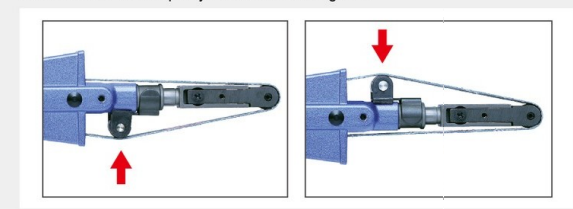
Sanding for curved surfaces

Curved surface sanding is possible by using the offset bracket.



The offset bracket can be positioned up or down.

Push-in offset bracket pulley allows the following use.



SANDING

Easy switching of belt rotation direction (BB-10B)

By adjusting the lever of the FR valve, the rotation direction of the abrasive belt can be changed. The direction of the chip splash can be changed by switching the rotation direction. The rotation speed can also be adjusted by the angle of the lever.

Controlling the chip splash direction

To the rear (forward)



To the front (reverse)



Adjusting FR Valve

The rotation speed can also be adjusted by the angle of the lever.



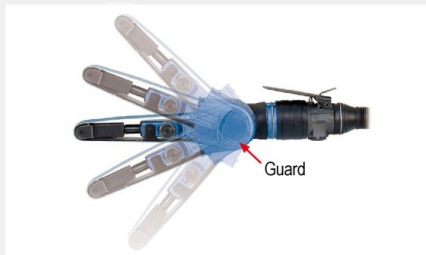
Forward (right)



Reverse (left)

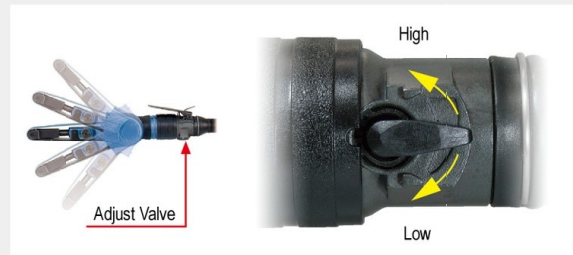
Guard position is adjustable (BB-20)

Guard angle can be changed freely in accordance with the working position and shape of the workpieces.



Belt Speed Adjustment (BB-20)

Belt speed can be easily adjusted by turning the adjust valve without a tool.



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

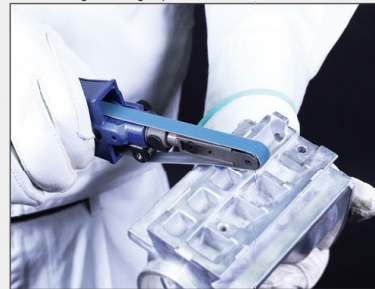
Deburring of die cast parts.



Detail finishing of aluminum material.



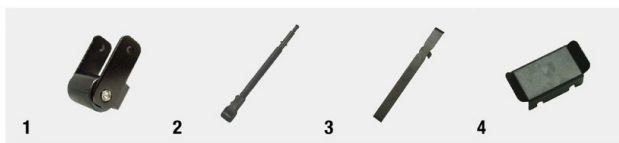
Chamfering of straight parts.



Optional Parts

Ref. No.	PN	Description	Sales Unit	Model
1	TB07109	Offset Bracket 20 Ass'y	1 set	BB-20
2	TB07224	Tension Bar 520 Ass'y*	1 set	
3	TQ10701	Shoe 520*	1 piece	
4	TB07227	Finger Pad Ass'y 520	1 set	

*TB07224 and TQ10701 are used together.



Abrasive Belt for BB-10B

Belt Size : 10 mm x 330 mm (W x L)

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	-	-	TB08368
#60	TA9A064	-	TB08369
#80	TB00076	-	TB08370
#100	TB00077	-	TB08371
#120	TB00247	-	TB08372
#180	TB00248	-	-
#240	TB00249	-	-
#400	-	TA9A244	-
Sales Unit	50 pcs./set		50 pcs./set

Abrasive Belt for BB-20

Belt Size : 20 mm x 330 mm (W x L)

Grit	PN			
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)	Non-woven
#40	-	-	-	-
#60	TB07114	-	TB07125	-
#80	TB07115	-	TB07126	-
#100	TB07116	-	TB07127	-
#120	TB07117	-	TB07128	-
#180	TB07118	-	-	TB07122 A-M Equivalent to #180
#240	TB07119	-	-	-
#320	-	-	-	TB07121 A-VF Equivalent to #320
#400	-	TB07120	-	TB07123 S-SF Equivalent to #400
Sales Unit	20 pcs./set		20 pcs./set	5 pcs./set

SANDING

Pneumatic Sander

COMPACT MULTI SANDER

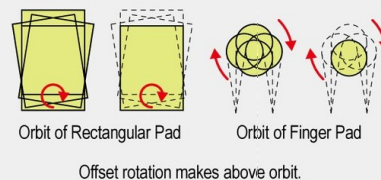
Excellent for sanding on narrow, confined, and hard-to-reach areas with three types of pads

- By replacement of the pad, both random orbital action and multiple movement are available with one set
- Finish sanding on a small part is possible with a small pad
- Sanding in a confined space is possible due to compact and lightweight body

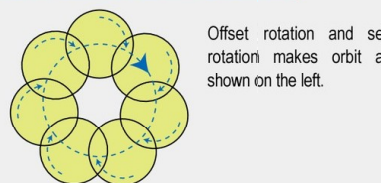
Model **CMX-20**



Orbital Movement (Rectangular Pad, Finger Pad)



Dual Action Movement (2" Round Pad)



Speed Adjustment



Turn the adjust valve to limit the tools speed. Adjust the speed according to the workpiece material, grit of sand paper, and the desired surface finish.

Pad Replacement



Pad replacement can easily be made with the included spanner 10 and 4 mm hex. socket screw key. In case of 2" round pad, only the spanner 10 is used. Use a suitable pad in accordance with the work area or area to be sanded.

Specifications

Model		CMX-20
Air Pressure	MPa	0.6
Air Consumption (No load)	m ³ /min	0.15
Orbit Diameter	mm	2
Mass (Weight)	kg	0.53 (without pad)

The rectangular pad comes mounted to the tool.

Accessories Included

- 2 pieces of 2" Velcro Abrasive Disc #80
- 2 pieces of 2" Velcro Abrasive Disc #120
- 2 pieces of 2" Velcro Abrasive Disc #180
- 2 pieces of 26 x 50 mm Velcro Abrasive Sheet #80
- 2 pieces of 26 x 50 mm Velcro Abrasive Sheet #120
- 2 pieces of 26 x 50 mm Velcro Abrasive Sheet #180
- 5 pieces of 16 mm Self Adhesive Abrasive Disc #80
- 5 pieces of 16 mm Self Adhesive Abrasive Disc #120
- 5 pieces of 16 mm Self Adhesive Abrasive Disc #180
- 2" Round Pad
- 16 mm Finger Pad
- 4 mm Hex. Socket Screw Key
- Bushing R 1/4 x NPT 1/4
- Ultra-thin Wrench SNT1012
- Tool Box

Accessory Sanding Pad

Type of Pad	Rectangular Pad	2" Round Pad	16 mm Finger Pad	
Free Speed	min ⁻¹	13000	14500	13000
Paper Size	mm	26 x 50	50 dia.	16 dia.

Optional Accessories

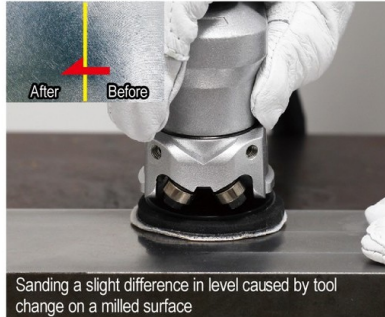
Ref. No.	PN	Description	Sales Unit
1	TB09977	26 x 50 mm Velcro Abrasive Sheet #80	100 pcs. /set
	TB09978	26 x 50 mm Velcro Abrasive Sheet #120	
	TB09979	26 x 50 mm Velcro Abrasive Sheet #180	
2	TB09986	26 x 50 mm Velcro Non-woven Abrasive Sheet #320	50 pcs. /set
	TB09980	2" Velcro Abrasive Disc #80	
3	TB09981	2" Velcro Abrasive Disc #120	100 pcs. /set
	TB09982	2" Velcro Abrasive Disc #180	
	TB09983	16 mm Self Adhesive Abrasive Disc #80	
4	TB09984	16 mm Self Adhesive Abrasive Disc #120	100 pcs. /set
	TB09985	16 mm Self Adhesive Abrasive Disc #180	



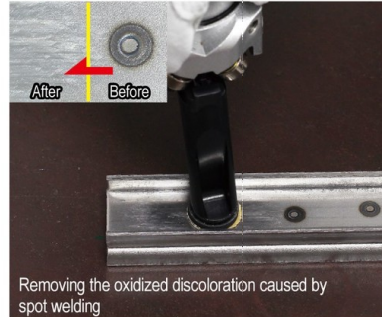
*In the case of non-woven abrasive sheet, it does not remove base metal. It may not clean heavily discolored welds.



Rectangular Pad



2" Round Pad



16 mm Finger Pad

SANDING

Handy Pneumatic Sander

FREE SANDER

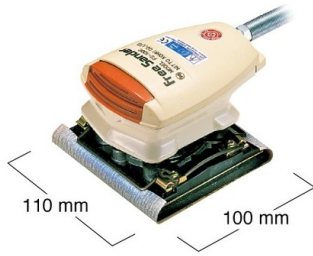
Super lightweight, low-vibration design

- 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-50A**



Model **FS-100C**

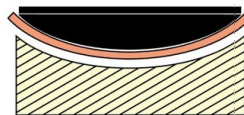


Specifications

Model	FS-50A	FS-100C
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.14
Free Speed	min ⁻¹ (rpm)	15000
Orbit Diameter	mm	1.2
Pad Size	mm	75 x 82
Paper Size	mm	110 x 100
Inlet Size		Rc 1/8
Mass (Weight)	kg	0.5
Accessories Included	<ul style="list-style-type: none"> • Air Hose H Ass'y • 5 pieces of Abrasive Paper #180 • 5 pieces of Abrasive Paper #240 • Bushing R 1/4 x NPT 1/4 	<ul style="list-style-type: none"> • Air Hose H Ass'y • 5 pieces of Abrasive Paper #180 • 5 pieces of Abrasive Paper #240 • Bushing R 1/4 x NPT 1/4

Round-Pad for FS-100C

The pad is made of sponge rubber and conforms easily to the shape being worked. Double-stick tape is used with round pad.



Optional Accessories

Ref. No.	PN	Description	Sales Unit	Model
1	TA99828	Rubber Pad		
2	TB02240	Dust Collector	1 piece	FS-50A
3	TA9A367	Rubber Pad		
4	TA91474	Round Pad	1 piece	
5	TB02235	Dust Collector		
6	TA9A265	Abrasive Paper #100	200 pcs./set	FS-100C
	TA9A266	Abrasive Paper #120		
	TA9A267	Abrasive Paper #150		
	TA9A268	Abrasive Paper #180		
	TA9A269	Abrasive Paper #240		
	TA9A270	Abrasive Paper #280		
	TA9A271	Abrasive Paper #320		



Pneumatic Reciprocating Sander

LINE SANDER

Ideal for inline and grain sanding applications

- 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

Model **LS-10**



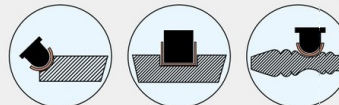
Specifications

Model	LS-10
Air Pressure	MPa (kgf/cm ²)
Air Consumption (No-load)	m ³ /min
Free Speed	min ⁻¹
Stroke Length	mm
Pad Size	mm
Paper Size	mm
Inlet Size	
Mass (Weight)	kg
Accessories Included	<ul style="list-style-type: none"> • Air Hose E Ass'y • Block Rubber Pad • Base Plate A Ass'y • 5 pieces of Abrasive Paper #240 • 5 pieces of Abrasive Paper #320 • Bushing R 1/4 x NPT 1/4



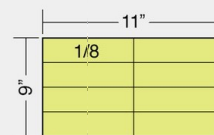
Special Sanding Pad

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



Abrasive Paper

Cut standard size paper (9" x 11") into 8 pieces, as shown below. For dry sanding, use an open coat abrasive paper with silicon carbide or aluminum oxide abrasive grains to prevent clogging, improve grinding efficiency, and prolong the life of the paper.



Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TB02244	Dust Collector	
2	TA96665	Rubber Pad	1 piece
3	TA96739	Block Rubber Pad	



SANDING

Pneumatic Compact Sander

ORBITAL SANDER

Model **OSV-60A** 

Heavy-duty and powerful with adjustable speed regulator

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

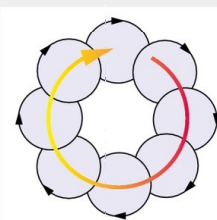


Specifications		OSV-60A
Model		OSV-60A
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.68
Free Speed	min ⁻¹ (rpm)	8500
Orbit Diameter	mm	10
Paper Size	mm	150 (6")
Pad Type		PSA with 6 holes
Inlet Size		Rc 1/4
Mass (Weight)	kg	2
Accessories Included		<ul style="list-style-type: none"> • Dust Collection Ass'y with Dust Bag • Single Ended Spanner 17 • Bushing R 1/4 x NPT 1/4 • Brush



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.



Pneumatic Compact Sander

PALM ORBITAL SANDER

Model **APS-125/150** 

Ergonomic lightweight design

- Extremely light. APS-125 weighs just 690 g
- Ergonomically designed for operator convenience and comfort
- Powerful high speed 10000 RPM motor
- Ultra small orbital action for high quality swirl-free finishes
- Available with 125 mm or 150 mm pads
- Variable speed control

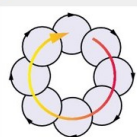
Applications

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



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.



Specifications		APS-125	APS-150
Model		APS-125	APS-150
Air Pressure	MPa (kgf/cm ²)		0.6 (6)
Air Consumption (No-load)	m ³ /min		0.45
Free Speed	min ⁻¹ (rpm)		10000
Orbit Diameter	mm		5
Paper Size	mm	125 (5")	150 (6")
Pad Type		PSA or Velcro with 5 holes	Velcro with 6 holes
Inlet Size		Rc 1/4	
Mass (Weight)	kg	0.69	0.72
Accessories Included		<ul style="list-style-type: none"> • 17 mm Single Ended Spanner • Bushing R 1/4 x NPT 1/4 	

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



GRINDING

Pneumatic Die Grinder

AIR SONIC

Ideal for most deburring, finishing and grinding applications

- 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 burs with 6 mm shanks
- Precision machined with heavy-duty spindle and support bearings (L-35C)

Model L-25B

- For all grinding, deburring and finishing jobs



Model L-35C

- Special design for rotary burs



Specifications

Model	L-25B	L-35C
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.4
Free Speed	min ⁻¹ (rpm)	27000
Chuck Size	mm	6
Inlet Size		Rc 1/4
Mass (Weight)	kg	0.6 (without hose)
Accessories Included	<ul style="list-style-type: none"> • 14 mm Single Ended Spanner • Mounted Wheel No.2 • Mounted Wheel No.3 • Chuck Pin • Bushing R 1/4 x NPT 1/4 	<ul style="list-style-type: none"> • 2 pieces of 14 mm Single Ended Spanner • Mounted Wheel 13 x 13 x 6 x 38 • Bushing R 1/4 x NPT 1/4

Optional Accessory









PN	Description	Sales Unit
TP02806	Chuck Sleeve 6 x 3 mm	1 piece



A mounted wheel or rotary burr with 3 mm shaft can be installed on L-25B and L-35C by using the chuck sleeve 6 x 3.

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 piece)

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

Pneumatic Die Grinder

AIR SONIC

Model AL-55

High speed rotation 56500 rpm

- Smooth high speed rotation and low vibration enables precision grinding
- Stepless speed change from 0 to 56500 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
Air Pressure	MPa (kgf/cm ²)
Air Consumption (No-load)	m ³ /min
Free Speed	min ⁻¹ (rpm)
Chuck Size	mm
Inlet Size	
Mass (Weight)	kg
Accessories Included	<ul style="list-style-type: none"> • 2 pieces of 7 x 9 mm Spanner • Mounted Wheel 5 x 13 x 3 • Bushing R 1/4 x NPT 1/4

Optional Accessory

PN	Description	Sales Unit
TB00137	Mounted Wheel 5 x 13 x 3	10 pcs./set



GRINDING/FILING

Portable Precision Finishing File

SUPER HAND

Fast, efficient filing, sanding and deburring tools

- 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
- Weight reduced by half for comfortable operation over long period of time (ASH-900)

Model SH-100A

- Rugged construction for reliable performance



Model ASH-900

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



Specifications

Model		SH-100A	ASH-900
Air Pressure	MPa (kgf/cm ²)		0.6 (6)
Air Consumption (No-load)	m ³ /min	0.24	0.13
Stroke Speed	min ⁻¹	3700	6300
Stroke Length	mm		9
File shank Size	mm	6.3	5.0
Inlet Size			Rc 1/4
Mass (Weight)	kg	1.1	0.5
Accessories Included		<ul style="list-style-type: none"> • Rat Tail File SF-10 • Triangular Taper File SF-11 • Half Round File SF-12 • Flat File SF-13 • 3 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Air Hose E Ass'y 	<ul style="list-style-type: none"> • Rat Tail File SF-10 • Triangular Taper File SF-11 • Half Round File SF-12 • Flat File SF-13 • 2.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories

Sales Unit: 5 pcs./set

Rat Tail File SF-10	100	5.0D
PN: TA9A222		
Triangular Taper File SF-11	105	5.0D
PN: TA9A223		
Half Round File SF-12	105	5.0D
PN: TA9A224		
Flat File SF-13	105	5.0D
PN: TA9A225		

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TA91752	Rubber Pad Ass'y for SH-100A	1 set
2	TA94625	Supporter Ass'y for SH-100A (use with TA91752)	
3	TB04319	Sanding Pad Ass'y for ASH-900	



Portable Precision Finishing File

SUPER HAND LIGHT

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

Model SHL-40

- Small size, light-weight, and low-vibration model
- Reduced operator fatigue for greater productivity



Specifications

Model		SHL-40
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.07
Stroke Speed	min ⁻¹	9000
Stroke Length	mm	4
File shank Size	mm	3.0
Inlet Size		Rc 1/4
Mass (Weight)	kg	0.4
Accessories Included		<ul style="list-style-type: none"> • Flat File LF-13 • 2 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories

Sales Unit: 3 pcs./set

Rat Tail File LF-10	80	3.0D
PN: TB09652		
Triangular Taper File LF-11	80	3.0D
PN: TB09654		
Half Round File LF-12	80	3.0D
PN: TB09653		
Flat File LF-13	80	3.0D
PN: TB09651		

FILING/DEBURRING

Portable Fine Finishing File

MICRO AIR HAND

Light weight, ultra-low vibration filer for polishing and lapping operations

• Fine reciprocating motion best for precision parts filing

Model **MAH-05**

Model **MAH-16**



Mounting Examples

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



Specifications		
Model	MAH-05	MAH-16
Air Pressure	MPa (kgf/cm ²) 0.6 (6)	
Air Consumption (No-load)	m ³ /min 0.07	
Stroke Speed	min ⁻¹ 22000	11000
Stroke Length	mm 0.5	2.2
File Shank Size	mm 3	
Inlet Size	Rc 1/4	
Mass (Weight)	kg 0.37	
Accessories Included	<ul style="list-style-type: none"> • Flat End Diamond File • Round End Diamond File • 2 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 	

Optional Accessories		
PN	Description	Sales Unit
TB07502	Flat End Diamond File 	5 pcs./set
TB07503	Round End Diamond File 	5 pcs./set
TB07504	Triangular End Diamond File 	5 pcs./set
TB07505	Half-round End Diamond File 	5 pcs./set
TB07506	Vice Holder* 	1 set

Pneumatic Deburring Tool

BURR CUTTER

Model **BC-005**

For deburring machined holes

- 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	
Model	BC-005
Air Pressure	MPa (kgf/cm ²) 0.6 (6)
Air Consumption (No-load)	m ³ /min 0.22
Free Speed	min ⁻¹ (rpm) 420
Deburring Hole diameter	mm 3 to 34
Countersink Shank Size	mm 6, 8, 10, 12*
Inlet Size	Rc 1/8
Mass (Weight)	kg 0.75
Accessories Included	<ul style="list-style-type: none"> • Chuck 6 mm • Chuck 8 mm • Chuck 10 mm (Installed) • Suspension Bail • 2.5 mm Hex. Socket Screw Key • Bushing R 1/8 x NPT 1/4

*Chuck 12 mm is optional. Countersinks are not provided with the tool. Please purchase them locally.

Compatibility table between chuck and countersink shank diameter			
Chuck	Appearance*	Countersink Shank Diameter (mm)	Overall Length of Chuck (mm)
Chuck 6		6	49.5
Chuck 8		8	49.5
Chuck 10		10	49.5
Chuck 12		12	60

*Indicates outer appearances of the chucks around the hex. socket head set screw.

CUTTING/DRILLING

Pneumatic Hacksaw

SUPER SAW

Model **SSW-110** 




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

- 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		SSW-110
Model		SSW-110
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.29
Stroke Speed	min ⁻¹	7000
Stroke Length	mm	11
Capacity (Max. plate thickness)	mm	3
Inlet Size		Rc 1/4
Mass (Weight)	kg	0.62
Accessories Included		<ul style="list-style-type: none"> • 2 pieces of 32 TPI Saw Blade • 3 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories			
Ref. No.	PN	Description	Sales Unit
1	TB00759	9 TPI Saw Blade for Gypsum-board	10 pcs./set
2	TB00760	12 TPI Saw Blade for Plywood Panel	
3	TB00192	14 TPI Saw Blade for Plastic	
4	TB00193	18 TPI Saw Blade for Plastic	
5	TA9A011	24 TPI Saw Blade for Mild Steel	
6	TA9A005	32 TPI Saw Blade for Mild Steel	



Pneumatic Hand Drill

AIR DRILL

The power and performance you need to drill deeper and faster

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

Model **ADR-65** 

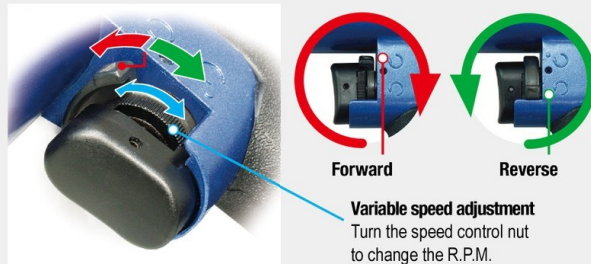


Model **ADR-100** 



Reversible

Change rotation direction by turning the valve as indicated.



Specifications		
Model	ADR-65	ADR-100
Air Pressure	MPa (kgf/cm ²) 0.6 (6)	
Air Consumption (No-load)	m ³ /min 0.55	0.67
Free Speed	min ⁻¹ (rpm) 2900	2000
Max. drilling Capacity	mm 6.5	10.0
Inlet Size	Rc 1/4	
Mass (Weight)	kg 0.8	1.1
Accessories Included	<ul style="list-style-type: none"> • Drill chuck (Installed) • Chuck Handle • Bushing R 1/4 x NPT 1/4 • CUPLA 30SH 	

Optional Accessory		
PN	Description	Sales Unit
TQ10969	Hanger	1 piece

SPRING BALANCER

SPRING BALANCER series



Spring balancer improves work safety and efficiency

Our spring balancers offer a simple cost effective solution to take the strain out of handling tools thus improving work safety and efficiency. The balancer range covers 0.5 to 70 kg tool capacity with a maximum cable length of 2 meters.

Specifications

Model		TW-00	TW-0	TW-3	TW-5
Capacity	kg	0.5 - 1.5	0.5 - 1.5	1.0 - 3.0	2.5 - 5.0
Stroke	m	0.5	1.0	1.3	1.3
Weight	kg	0.2	0.5	1.4	1.5

Model		TW-9	TW-15	TW-22	TW-30
Capacity	kg	4.5 - 9.0	9.0 - 15.0	15.0 - 22.0	22.0 - 30.0
Stroke	m	1.3	1.3	1.5	1.5
Weight	kg	3.4	3.8	7.2	7.6

Model		TW-40	TW-50	TW-60	TW-70
Capacity	kg	30.0 - 40.0	40.0 - 50.0	50.0 - 60.0	60.0 - 70.0
Stroke	m	1.5	1.5	1.5	1.5
Weight	kg	9.8	10.4	11.6	11.8

HOSE REEL BALANCER series

Functions both as balancer and hose reel



Specifications

Model		HW-0	HW-3	HW-5
Capacity	kg	0.5 - 1.5	1.5 - 3.0	3.5 - 5.0
Stroke	m	1.3	1.3	1.3
Weight	kg	1.6	1.7	1.8
Hose Diameter	I.D. mm	6.5	6.5	6.5
	O.D. mm	10	10	10

RETRACTOR series

Handy knob for easy tension adjustment



Specifications

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

Vibration Level, Sound Pressure Level, and Sound Power Level

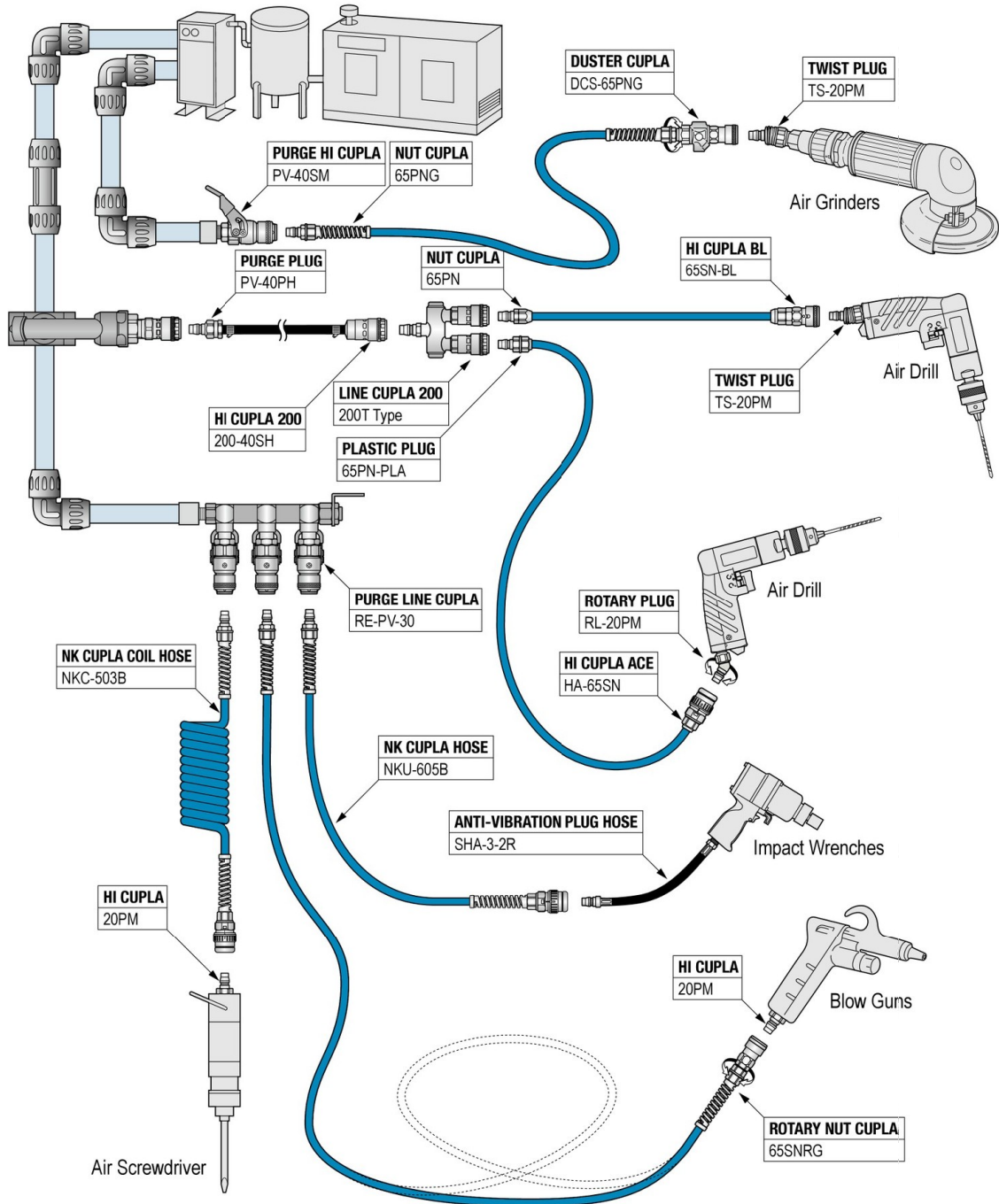
Figures may vary depending on applications

Series	Model	Vibration Level m/s ²	Measurement Point	Vibration Standard	Sound Pressure Level dB(A)	Sound Power Level dB(A)
AIR CHIPPER (Pneumatic)	ACH-16	66	Grip	EN 28927-9	86	97
	CH-24	100	Grip		87	98
AIR SONIC (Pneumatic)	AL-55	≤ 2.5	Grip	28927-12	71	82
	L-25B	7.2	Grip		76	87
	L-35C	3.1	Grip		76	87
AUTO CHISEL (Pneumatic)	A-300	≥ 30	—	EN 28927-9	97	108
BELTON (Pneumatic)	B-10CL	≤ 2.5	Grip	ISO 20643	78	89
	B-20CL	≤ 2.5	Grip		81	92
	B-20CL-A	≤ 2.5	Grip		80	91
	B-30CL	≤ 2.5	Sub Handle		86	97
	BB-10B Lever Type	≤ 2.5	Grip L		79	90
		≤ 2.5	Grip R			
	BB-10B Ring Type	≤ 2.5	Grip L		79	90
		≤ 2.5	Grip R			
BB-20	≤ 2.5	Grip L	85	96		
	≤ 2.5	Grip R				
BEVELER (Pneumatic)	AMB-0307	4.1	Grip	EN ISO 20643	87	98
		6.3	Knob			
	AMBL-0307	4.1	Grip		87	98
		6.3	Knob			
	CB-01	≤ 2.5	Grip		88	99
	CB-02	4.1	Grip		74	85
CBR-03	≤ 2.5	Grip	81	92		
BEVELER (Electric)	ECB-0203	7.0	Grip	EN 60745-1	83	84
		7.0	Knob			
	EMB-0307C	8.3	Grip		88	99
	HB-15B	3.7	Knob			
		≤ 2.5	Grip		64	75
	MB-03A	4.6	Handle			
5.9		Grip	80	91		
6.6	Knob					
BURR CUTTER (Pneumatic)	BC-005	4.2	Grip	EN 20643	89	100
COMPACT MULTI SANDER (Pneumatic)	CMX-20	≤ 2.5	Grip	EN 28927-3	76	87
FREE SANDER (Pneumatic)	FS-50A	2.7	Grip		77	88
	FS-100C	≤ 2.5	Grip		85	96
JET CHISEL (Pneumatic)	AJC-16	4.8	Grip	EN ISO 28927-9	84	95
	JC-16	8.3	Grip		81	92
		11.5	Needle Guide			
		9.0	Grip		92	103
	JEX-20	10.5	Grip		93	104
	JEX-24	28	Needle Guide			
		15.0	Grip		96	107
	JEX-28	17.5	Needle Guide			
		11.5	Grip		94	105
	JEX-2800A	14.5	Needle Guide			
		9.5	Grip		92	103
	JT-20	15.5	Grip		91	102
16.0		Grip	85	96		
JET CHISEL (Electric)	EJC-32A	15.0	Handle	EN 60745-2-6		
LINE SANDER (Pneumatic)	LS-10	6.0	Grip	EN 20643	78	89
MICRO AIR HAND (Pneumatic)	MAH-05	≤ 2.5	Grip	EN 28927-8	64	75
	MAH-16	≤ 2.5	Grip		64	75
MYTON (Pneumatic)	MAGW-40 Lever	6.3	Grip	ISO 28927-1	86	97
	MAGW-40 Ring	6.3	Grip	84	95	
	MYG-25	≤ 2.5	Grip	ISO 20643	82	93
	MYG-40	4.2	Grip	94	105	
	MYG-50	4.5	Grip	92	103	
		4.2	Handle			
	MYG-70 Lever	3.2	Grip	ISO 28927-1	92	103
		8.2	Handle			
	MYG-70 Ring	3.2	Grip	92	103	
		8.2	Handle			
	MYS-20	3.3	Grip	82	93	
	MYS-40	≤ 2.5	Grip	82	93	
	MYS-70	≤ 2.5	Grip	89	100	
≤ 2.5		Handle				
ORBITAL SANDER (Pneumatic)	OSV-60A	4.6	Grip	ISO 28927-3	89	100
		7.2	Supporting Section			
PALM ORBITAL SANDER (Pneumatic)	APS-125	5.5	Grip	78	89	
	APS-150	7.4	Grip	81	92	
SUPER HAND (Pneumatic)	ASH-900	4.8	Grip	EN 28927-8	62	73
	SH-100A	6.8	Grip		76	87
	SHL-40	≤ 2.5	Grip		71	81
SUPER KELEN (Pneumatic)	S-250	50	Grip	EN 28927-9	101	112
	S-500	29	Grip		100	111
		17.0	Supporting Section			
	S-1000	58	Grip		99	110
81		Supporting Section				
SUPER SAW (Pneumatic)	SSW-110	9.3	Grip	EN 28927-8	71	82

QUICK CONNECT COUPLINGS FOR PNEUMATIC TOOLS

CUPLA

Nitto Kohki supplies various types of air couplings 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 couplings. For more information, please visit http://www.nitto-kohki.co.jp/e/prd/d_cat/ and see our eCatalog here.



QUICK CONNECT COUPLINGS FOR PNEUMATIC TOOLS

HI CUPLA



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

Specifications

Body material	Steel (Chrome-plated)	Brass	Stainless steel
Working pressure	1.5 MPa (15 kgf/cm ²)	1.0 MPa (10 kgf/cm ²)	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber / Fluoro rubber		

HI CUPLA 200



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

Specifications

Body material	Steel (Chrome-plated)
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

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

Specifications

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

HI CUPLA ACE



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

Specifications

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

Specifications

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

FULL-BLOW CUPLA



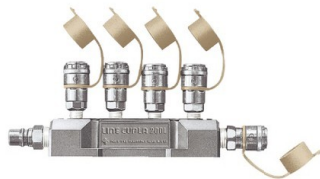
- Unique full-open gate type valve mechanism realizes low pressure loss and high flow rate, which reduces required source air volume
- The flow rate is increased by up to 40% more than that of conventional HI CUPLA
- During connection and disconnection, the valve is closed, enabling connection/disconnection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

Specifications

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

QUICK CONNECT COUPLINGS FOR PNEUMATIC TOOLS

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

Specifications

Body material	Aluminum
CUPLA	Steel (Chrome-plated)
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

HI CUPLA BL



- Sleeve-lock mechanism prevents accidental disconnection
- Critical structural parts made of steel are heat-treated for increased strength giving greater durability and resistance to wear
- SN-BL type for connection to urethane hose requires no hose clamp

Specifications

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

PURGE PLUG



- Eliminates an unpleasant popping noise and accidental hose whip on disconnection
- Unique design of air purge system enables the residual pressure release quickly and quietly.
- The function is assured even under a high supply pressure or with a long hose

Specifications

Body material	Steel (Chrome-plated)
Working pressure	1.0 MPa (10 kgf/cm ²)
Seal material	Nitrile rubber

ANTI-VIBRATION PLUG HOSE



- Protects the "CUPLA" from shock generated by vibrating tools and impact tools
- Prevents hard-to-notice flow reduction caused by "CUPLA" wear under continuous vibration
- Flexible rubber hose allows free and wide range of tool motion.

Specifications

Size (Thread)	R 1/4", R 3/8"
Inlet (Plug)	HI CUPLA (30PH)
Overall length	320 mm

PURGE HI CUPLA



- Just push in the plug for connection regardless of internal pressure in socket
- Eliminates an unpleasant popping noise and accidental hose whip on disconnection
- Even after connection, lever operation gives perfect control over valve opening/closing

Specifications

Body material	Brass (Chrome-plated)
Working pressure	1.0 MPa (10 kgf/cm ²)
Seal material	Nitrile rubber

ROTARY LINE CUPLA



- Multiple outlets are available from single air supply source.
- Sideway air outlets are rotatable to any angle. Possible hose twists can be eliminated by the swivel mechanism
- Choose either RT type (2 outlets) or RE type (3 outlets) to suit you application

Specifications

Body material	Body: Brass (Chrome-plated), CUPLA: Steel (Chrome-plated)
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

Nitto Kohki's Labor Saving Products

Nitto Kohki is capturing the needs of users by introducing to the world not only "machine tools and power "Cupla" quick connect couplings, and linear-motor-driven piston "compressors/vacuum pumps".

Professional Tools for Assembling High-Technology Goods

Nitto Kohki's "delvo" electric screwdrivers are high-quality tools for professional use, with special emphasis on precise torque control and long-term reliability. "delvo" give you the ability to get it right, every time.

Delvo DLV5700 series



DLV5720/5720H/5740

DLC0350

DLV5740H/5750

DLC0950

- Torque range: 0.02 - 0.55 Nm
- Speed: 450 - 1800 min⁻¹
- Machine screw size: 1.0 - 3.0 mm
- Low-shock for tightening
- Electro-static discharge (ESD) control

Delvo DLV7104/8104/8204 series



DLV7104 series

DLV8104/8204 series

DLV8154

- Torque range: 0.25 - 4.5 Nm
- Speed: 400 - 2000 min⁻¹
- Machine screw size: 2.6 - 6.0 mm
- The clear plastic cover is mounted over the torque adjustment ring to prevent unintentional changes of the preset torque amount
- Heavy-duty cam installed for maximum cycle life

Delvo Brushless Type DLV02/12/16 series



DLV02/12/16SL-CKE

DLV02/12/16SL-BKE

DLC16S

- Torque range: 0.03 - 1.6 Nm
- Speed: 700 - 1000 min⁻¹
- Machine screw size: 1.0 - 4.0 mm
- Brushless motors are incorporated for maximum tool life
- Grounded bit system standard
- Universal input voltage from 100 to 240 V AC for easy installation (DLC16S)

Delvo Brushless Type A series (DLV30A/45A/70A)



DLV30A06P

DLV30A12L

DLV30A20P

DLV45A12L

- Torque range: 0.4 - 7.0 Nm
- Speed: 650 - 2000 min⁻¹
- Machine screw size: 2.6 - 8.0 mm
- Brushless motor and newly designed clutch provide a more consistent torque output over the life of the tool
- More accurate torque control and considerably quieter operation when compared to pneumatic screwdrivers

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

Nitto Kohki's Labor Saving Products

tools”, but also next-generation laborsaving devices, including high precision “delvo” electric screw drivers,

Nitto Kohki's Compressors and Vacuum Pumps will enhance your system flexibility

Nitto Kohki offers a lineup of various types of compressors and pumps. These include linear-driven, electro-magnetic diaphragm, DC, and “bimorph” piezoelectric products. Our compressors and pumps are renowned for being compact and lightweight as well as for their low noise level, clean operation and durability for longer life. In further applying these technologies, we are also expanding applications to various fields that include medical, well-being, health devices and environment related equipment.

- AC Linear Free Piston Compressor**
- AC Linear Free Piston Vacuum Pump**
- DC Linear Free Piston Compressor**
- DC Linear Free Piston Vacuum Pump**
- AC Linear Diaphragm Pump**
- DC Diaphragm Pump**
- DC Piston Pump**

- Compact, lightweight, low vibration, low noise level, clean operation and longer durability



Piezoelectric Pump

- Compact, lightweight, durable and quiet
- Low power consumption and electromagnetic noise
- Simple flow rate adjustment



DC Diaphragm Liquid Pump

- Built-in pulse absorption chamber
- Many build material options for different liquids
- Self-priming type with air suction acceptable



AC Linear Free Piston Blower

- Linear blowers for aeration
- Low noise and easy maintenance



Safety Guide

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/cm²).

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