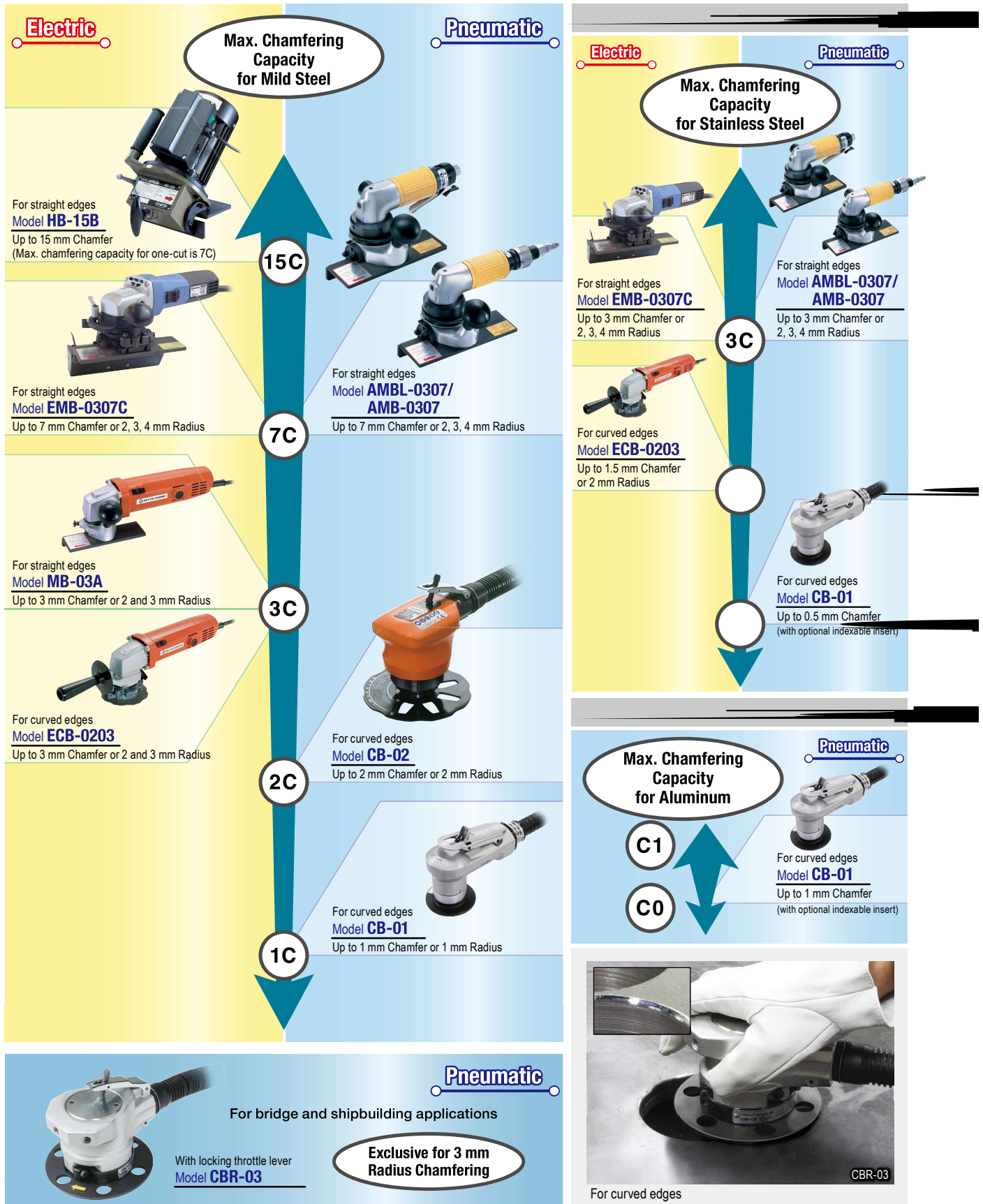


## Guide for Selecting Portable Chamfering Tools

Select the model according to the conditions of chamfering capacity, electrical or pneumatic tool required, and materials to be chamfered.



# CHAMFERING

**HAND BEVELER**  
Model **HB-15B**  
• Mild steel: 15C

**MINI BEVELER**  
Model **EMB-0307C**  
• Mild steel: 7C, 4R  
• Stainless steel: 3C, 4R







**MINI BEVELER**  
Model **MB-03A**  
• Mild steel: 3C, 3R

**CIRCUIT BEVELER**  
Model **ECB-0203**  
• Mild steel: 3C, 3R  
• Stainless steel: 1.5C, 2R

For further information,  
see the following pages.

P27 for Model HB-15B  
P27 for Model EMB-0307B  
P28 for Model MB-03A  
P28 for Model ECB-0203



Specifications		ELECTRIC			
Model		HB-15B	EMB-0307C	MB-03A	ECB-0203
Power Source (Single Phase)		220 - 240 V AC 50/60 Hz 110 - 120 V AC 50/60 Hz	220 - 240 V AC 50/60 Hz 110 - 120 V AC 50/60 Hz	220 - 240 V AC 50/60 Hz 100 - 110 V AC 50/60 Hz	220 - 240 V AC 50/60 Hz
Rated Power Consumption	W	910	900	430	450
Duty Cycle	min	Continuous			30
No-load Speed	min <sup>-1</sup> (rpm)	2750 (220 - 240 V) 3340 (110 - 120 V)	12700 (220 - 240 V) 13300 (110 - 120 V)	11000	10000
Chamfering Capacity	Mild Steel	Up to 15 mm Chamfer (Initial chamfer is 7 mm.)	Up to 7 mm Chamfer 2, 3, 4 mm Radius	Up to 3 mm Chamfer 2 and 3 mm Radius	
	Stainless Steel		Up to 3 mm Chamfer 2, 3, 4 mm Radius	Up to 1.5 mm Chamfer 2 mm Radius	
Chamfer Angle		15° - 45°			45°
Mass (Weight)	kg	14	3.9	2.5	
Optional Accessories		<ul style="list-style-type: none"> <li>• TA9A728 Pipe Plate Ass'y for Pipe Outer Edge Beveling (Pipe O.D. 125 to 800 mm)</li> </ul> 	<ul style="list-style-type: none"> <li>• TB02539 Attachment for Pipe Outer Edge Beveling (Pipe O.D. 80 to 200 mm) *Pipe O.D. more than 200 mm can be chamfered with the standard accessory.</li> </ul> 	<ul style="list-style-type: none"> <li>• TA9A594 Inner Head Ass'y for Pipe Inner Edge Beveling (Minimum Inner Pipe Diameter : 100 mm)</li> </ul> 	<ul style="list-style-type: none"> <li>• TB03097 Plate Ass'y for Straight Edge Beveling</li> <li>• TB02862 Dust Box Ass'y Used with TB03097 Plate Ass'y</li> <li>• TB02857 Guide Sleeve 24 mm Dia. Ass'y</li> </ul>   

**MINI BEVELER**  
Model **AMBL-0307 (Lever)**  
Model **AMB-0307 (Ring)**  
• Mild steel: 7C, 4R  
• Stainless steel: 3C, 4R

**CIRCUIT BEVELER**  
Model **CB-01**  
• Mild steel: 1C, 1R  
• Stainless steel: 0.5C\*  
• Aluminum: 1C\*

**CIRCUIT BEVELER**  
Model **CB-02**  
• Mild steel: 2C, 2R

**CIRCUIT BEVELER**  
Model **CBR-03**  
• Mild steel: 3R

For further information,  
see the following pages.

P29 for Model AMBL/AMB-0307  
P29 for Model CB-01  
P30 for Model CB-02  
P30 for Model CBR-03



Specifications		PNEUMATIC			
Model		AMBL-0307/AMB-0307	CB-01	CB-02	CBR-03
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)			
Air Consumption (No Load)	m <sup>3</sup> /min	0.9	0.15	0.4	0.65
Free Speed	min <sup>-1</sup> (rpm)	14000	28000	15000	12000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer 2, 3, 4 mm Radius	Up to 1 mm Chamfer 1 mm Radius	Up to 2 mm Chamfer 2 mm Radius	3 mm Radius
	Stainless Steel	Up to 3 mm Chamfer 2, 3, 4 mm Radius	Up to 0.5 mm Chamfer *		
	Aluminum		Up to 1 mm Chamfer *		
Chamfer Angle		15° - 45°	45°		
Mass (Weight)	kg	2.9	0.5	1.8	2
Optional Accessories		<ul style="list-style-type: none"> <li>• TB02539 Attachment for Pipe Outer Edge Beveling (Pipe O.D. 80 to 200 mm)</li> </ul> 	<ul style="list-style-type: none"> <li>• TB09143 Plate Ass'y for Straight Edge Beveling</li> <li>• TB09140 Guide Plate 78 Ass'y for More Stable Operation</li> </ul>  	<ul style="list-style-type: none"> <li>• TB02437 Thin Plate Attachment Ass'y (Minimum thickness 1.2 mm)</li> </ul> 	

For further information of optional Beveler accessories, see P31.

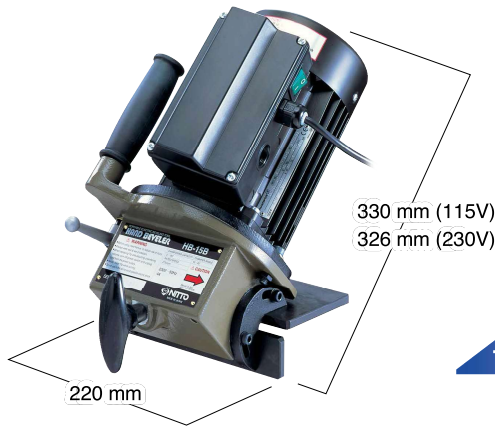
\*With optional indexable insert

# CHAMFERING

Portable Chamfering Tools

## HAND BEVELER

Model **HB-15B** 



**15C**  
Mild Steel



### Chamfering up to 15C

- Ideal for plate, pipe, and tube chamfering for welding preparation
- Chamfer width up to 15 mm at 45° angle using multiple passes
- 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)		110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
Rated Power Consumption	W	910	
Rated Current	A	10.5	4
Duty Cycle	min	Continuous	
No-load Speed	min <sup>-1</sup> (rpm)	3350	2750
Chamfering Capacity (Mild Steel)		Up to 15 mm Chamfer *	
Chamfer Angle		15° - 45°	
Power Cord Length	m	5	
Mass (Weight)	kg	15	

\*Max. Chamfering Capacity for one - cut is 7C

#### Accessories Included

- 12 pieces of Indexable Insert 12.7 (Installed)
- 12 pieces of Indexable Insert 12.7
- 4 mm Hex. Socket Screw Key
- 5 mm Hex. Socket Screw Key
- 6 mm Hex. Socket Screw key
- 24 x 27 mm Spanner
- Hook Spanner 25 - 28
- 3 mm T Wrench
- Roller Bracket Ass'y
- Spacer A
- Spacer B
- Plate B

#### Chamfer Angle and Width

Chamfer Angle $\alpha$	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 **EMB-0307C** 



**7C**  
**4R**  
Mild Steel

**3C**  
**4R**  
Stainless Steel

### Designed to chamfer stainless and mild steel

- Ideal for edge chamfering pipe, tube, and plate
- Adjustable to chamfer angles from 15° to 45°
- Chamfer width up to 7 mm on mild steel.
- Uses indexable carbide inserts
- Swarf and chip collection box included

#### Specifications

Model		EMB-0307C	
Power Source (Single Phase)		110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
Rated Power Consumption	W	900	
Rated Current	A	7.8	3.9
Duty Cycle	min	Continuous	
No-load Speed	min <sup>-1</sup> (rpm)	13300	12700
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°	
Power Cord Length	m	4.0	
Mass (Weight)	kg	3.9	

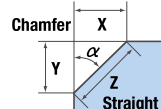
\*115 V available on request.

#### Accessories Included

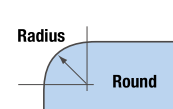
- Indexable Insert with Hole 12.7 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Dust Box Ass'y
- Carbon Brush Ass'y
- 2 pieces of Hex. Nut M8
- 2 pieces of Hex. Socket Set Screw 8 x 25
- 3 pieces of Pan Head Screw 5 x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

#### Chamfer Angle, Width and Radius

Chamfer Angle $\alpha$	Mild Steel(mm)			Stainless Steel(mm)		
	X	Y	Z	X	Y	Z
45°	7	7	9.9	3	3	4.2
30°	3.8	6.6	7.6	2.2	3.8	4.4
15°	1.5	5.6	5.8	1	3.8	3.9



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



# CHAMFERING

Handy Electric Chamfering Tool

## MINI BEVELER

Model **MB-03A**



**3C**  
**3R**  
Mild Steel

### 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

#### Specifications

Model	MB-03A	
Power Source (Single Phase)	110 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Rated Power Consumption	W	430
Rated Current	A	4.5
Duty Cycle	min	30
No-load Speed	min <sup>-1</sup> (rpm)	11000
Chamfering Capacity (Mild Steel)	Up to 3 mm Chamfer or 2 mm and 3 mm Radius	
Chamfer Angle	45°	
Power Cord Length	m	
Mass (Weight)	kg	

#### Accessories Included

- Indexable Insert 9.525 R2 (Installed)
- Indexable Insert 9.525
- 3 mm Hex. Socket Screw Key
- 4 mm Hex. Socket Screw Key
- Spanner T-9F
- Hex. Nut
- 2 pieces of Hex. Socket Set Screw 8 x 25

#### Chamfer Angle, Width and Radius

Mild Steel(mm)		Chamfer	X	Y	Radius	Mild Steel(mm)	
X	Y					Radius	2, 3
3	3	45°	Straight	Y	Radius	Round	

Electric Radial Chamfering Tool

## CIRCUIT BEVELER

Model **ECB-0203**



**3C**  
**3R**  
Mild Steel

**1.5C**  
**2R**  
Stainless Steel

### Smoothly chamfering straight and curved edges

- Designed to chamfer 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

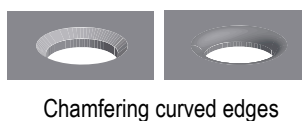
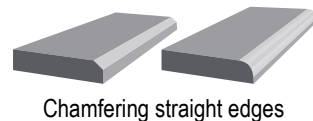
#### Specifications

Model	ECB-0203	
Power Source (Single Phase)	220 - 240 V AC, 50/60 Hz	
Rated Power Consumption	W	450
Rated Current	A	2.1
Duty Cycle	min	30
No-load Speed	min <sup>-1</sup> (rpm)	11000
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	
Mass (Weight)	kg	

\*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 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Sub Handle
- Grip Guard
- Ball Bearing 687zz
- 5 mm Hex. Socket Screw Key
- 8 x 10 mm Spanner
- Spanner T-150
- Gauge C3



Chamfering range of operation			
Min. Diameter	Min. Radius	Min. Depth	Min. Thickness

#### Chamfer Angle, Width and Radius

Mild Steel(mm)		Stainless Steel(mm)		Chamfer	X	Y	Radius	Mild Steel (mm)		Stainless Steel (mm)	
X	Y	X	Y					Radius	2, 3	2	
3	3	1.5	1.5	45°	Straight	Y	Radius	Round			



# CHAMFERING

Pneumatic Chamfering Tool

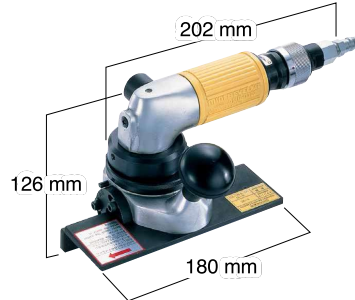
## MINI BEVELER

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

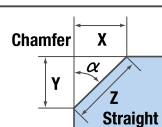
Model		AMBL-0307 / AMB-0307
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
Air Consumption (No-load)	m <sup>3</sup> /min	0.9
Free Speed	min <sup>-1</sup> (rpm)	14000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer or 2, 3, 4 mm Radius
	Stainless Steel	Up to 3 mm Chamfer or 2, 3, 4 mm Radius
Chamfer 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 $\alpha$	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

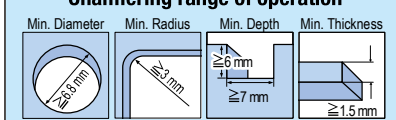
Model		CB-01
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
Air Consumption (No-load)	m <sup>3</sup> /min	0.15
Free Speed	min <sup>-1</sup> (rpm)	28000
Chamfering Capacity	Mild Steel	Up to 1 mm Chamfer or 1 mm Radius
	Stainless Steel*	Up to 0.5 mm Chamfer
	Aluminum*	Up to 1 mm Chamfer
Chamfer Angle		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

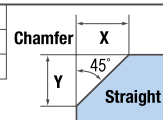
- 2 pieces of Indexable Insert 8.4 (Installed)
- 2 pieces of Indexable Insert Set Screw (Installed)
- 2 pieces of Indexable Insert Set Screw
- 2 mm Hex. Socket Screw Key for Chamfering Adjustments
- Spanner T-6F for Replacement of Indexable Insert
- Bushing R 1/4 x NPT 1/4

### 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

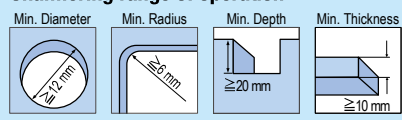
### Specifications

Model		CB-02
Air Pressure	MPa (kgf/cm <sup>2</sup> )	0.6 (6)
Air Consumption (No-load)	m <sup>3</sup> /min	0.4
Free Speed	min <sup>-1</sup> (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

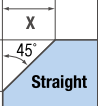

### Accessories Included

- 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

### Chamfering range of operation



### Chamfer Angle, Width and Radius

Mild Steel(mm)		Chamfer	Radius	Mild Steel(mm)	
X	Y			Radius	Radius
2	2		2		Round

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.



**3R**  
Steel

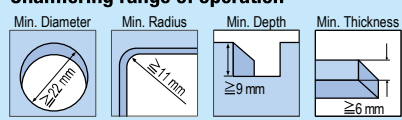
### Specifications

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> (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 range of operation



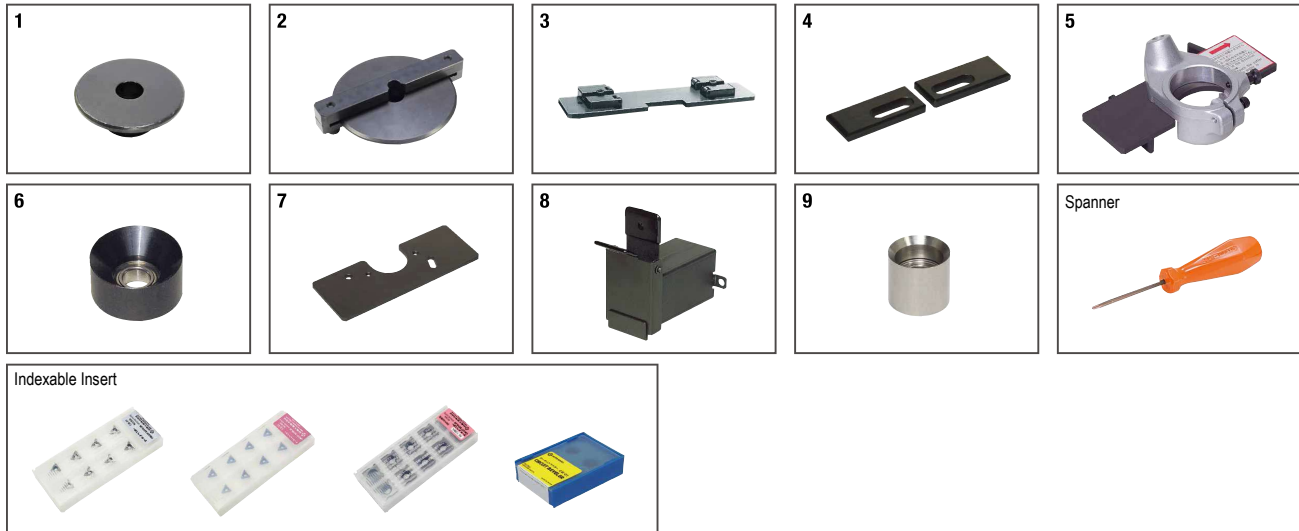
### Chamfer Angle and Width

Mild Steel(mm)		Radius	Round
Radius	Radius		
3	3		Round

## 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 (Minimum thickness 1.2 mm)	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