

CHAMFERING

Portable Chamfering Tool

HAND BEVELER

Model **HB-15B**

110-120 V :

220-240 V : Non-CE



YouTube



15C
Mild Steel



Chamfering steel plates



Chamfering I-beams

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
Duty Cycle	min	Continuous
No-load Speed	min ⁻¹ (rpm)	3350
Chamfering Capacity (Mild Steel)	Up to 15 mm Chamfer *	
Chamfer Angle	15° - 45°	
Power Cord Length	m	5
Mass (Weight)	kg	15.0
Installed Indexable Insert	12 pieces of Indexable Insert 12.7	

*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 α	Mild Steel(mm)		Chamfer
	X	Y	
45°	15	15	
30°	9	15.5	
15°	4	15.4	

Handy Electric Chamfering Tool

MINI BEVELER

Model **EMB-0307C**

Double insulation



YouTube



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) *1	115 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Rated Power Consumption	W	900
Rated Current	A	7.8
Duty Cycle	min	30
No-load Speed	min ⁻¹ (rpm)	13300
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer *2 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
Installed Indexable Insert	Indexable Insert with Hole 12.7	

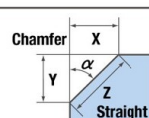
*1: 115 V available on request. *2: Max. chamfering capacity for one-cut is 4C.

Accessories Included

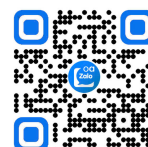
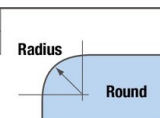
- Indexable Insert with Hole 12.7 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Dust Box Ass'y
- Carbon Brush Ass'y
- 2 pieces of Hex Nut M8
- 2 pieces of Hex Socket Set Screw 8 x 25
- 3 pieces of Pan Head Screw 5 x 10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

Chamfer Angle, Width and Radius

Chamfer Angle α	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)
	2, 3, 4	2, 3, 4



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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.

P25 for Model HB-15B
P25 for Model EMB-0307C
P26 for Model MB-03A
P26 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	230 V AC 50/60 Hz 115 V AC 50/60 Hz	220 - 240 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	30	
No-load Speed		min ⁻¹ (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 *1	Up to 7 mm Chamfer *2 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	15.0	3.9	2.5	
Optional Accessories		TA9A728 Pipe Plate Ass'y for Pipe Outer Edge Beveling (Pipe O.D. 125 to 800 mm) 	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. 	TA9A594 Inner Head Ass'y for Pipe Inner Edge Beveling (Minimum Inner Pipe Diameter : 100 mm) 	- TB03097 Plate Ass'y for Straight Edge Beveling - TB02862 Dust Box Ass'y Used with TB03097 Plate Ass'y - TB02857 Guide Sleeve 24 mm Dia. Ass'y   	

*1: Max. chamfering capacity for one-cut is 7C. *2: Max. chamfering capacity for one-cut is 4C.

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.

P27 for Model AMBL-0307/AMB-0307
P27 for Model CB-01
P28 for Model CB-02
P28 for Model CBR-03

Specifications		PNEUMATIC				
Model		AMBL-0307/AMB-0307	CB-01	CB-02	CBR-03	
Air Pressure		MPa (kgf/cm ²)	0.6 (6)			
Air Consumption (No Load)		m ³ /min	0.9	0.15	0.40	0.65
Free Speed		min ⁻¹ (rpm)	14000	28000	15000	12000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer *1 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 *2	-		
	Aluminum	-	Up to 1 mm Chamfer *2	-		
Chamfer Angle		15° - 45°	45°			-
Mass (Weight)		kg	2.9	0.5	1.8	2
Optional Accessories		• TB02539 Attachment for Pipe Outer Edge Beveling (Pipe O.D. 80 to 200 mm) 	• TB09143 Plate Kit with linear guide  • TB09140 Guide Plate 78 Ass'y for More Stable Operation 	• TB02437 Thin Plate Attachment Ass'y (Minimum thickness 1.2 mm) 	-	

*1: Max. chamfering capacity for one-cut is 4C. *2: With optional indexable insert

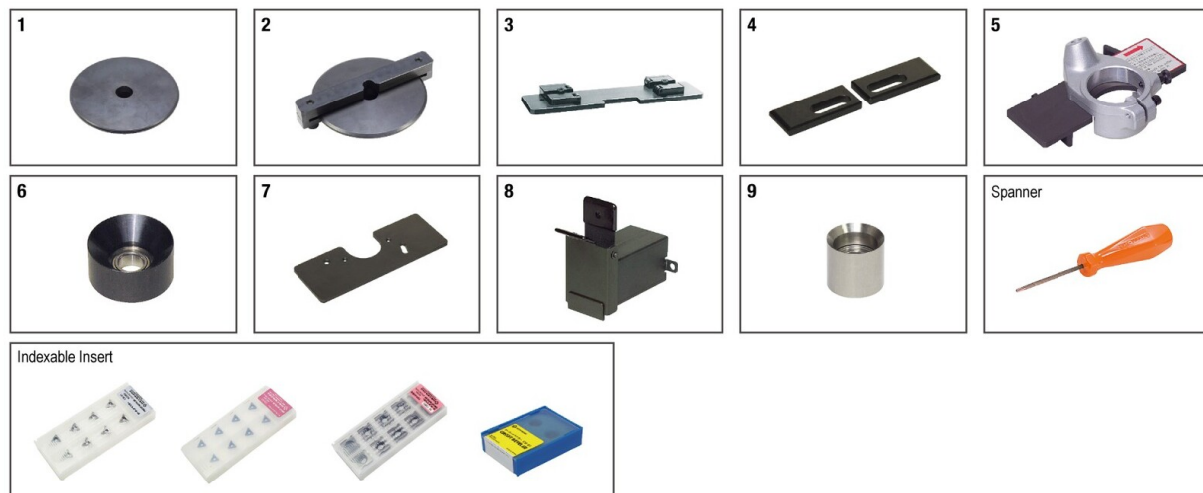
For further information of optional Beveler accessories, see P29.

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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
–	TB11074	Indexable Insert 8.4 for Mild Steel	10 pcs./set					●		
–	TB11076	Indexable Insert 8.4 for Stainless Steel	10 pcs./set					●		
–	TB11075	Indexable Insert 8.4 for Aluminum	4 pcs./set					●		
–	TB10656	Indexable Insert 8.4 R1	4 pcs./set					●		
–	TB11068	Indexable Insert 12.7	12 pcs./set	●						
–	TB11069	Indexable Insert 12.7 with Hole	10 pcs./set		●		●			
–	TB11070	Indexable Insert 12.7 R2	10 pcs./set		●		●			
–	TB11071	Indexable Insert 12.7 R3	10 pcs./set		●		●			
–	TB11072	Indexable Insert 12.7 R4	10 pcs./set		●					
–	TB11073	Indexable Insert 12.7 R3	10 pcs./set							●
–	TB11064	Indexable Insert 9.525	10 pcs./set			●			●	
–	TB11065	Indexable Insert 9.525 R2	10 pcs./set			●			●	
–	TB11066	Indexable Insert 9.525 R3	10 pcs./set			●				
1	TB09140	Guide Plate 78 Ass'y for More Stable Operation	1 set					●		
2	TB09143	Plate Kit with linear guide	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 with linear guide	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
 Ref. No.9: Chamfers up to C1. R chamfering is not possible with this accessory.



TB09140 Guide Plate 78 Ass'y for More Stable Operation



TB09143 Plate Kit with linear guide