

REX BAND SAW Series

MANTIS 180WS/180WA

XB 180WS / XB 180WA

For
6"

Lightest in its class! Two actions in one machine!

We've brought you safety, we've brought you ease of use, now we bring you a new type of machine in the MANTIS series. Just change the vice for double the action!

Chain Vice
MANTIS XB180WS



Flat Vice
MANTIS XB180WA



Features

- **Easily change the vice**
Just 3 bolts is all it takes! (Fig. 1)
Chain Vice ⇄ Flat Vice takes just a couple of minutes!
- **Contour cutting**
Newly added function. (Fig. 2)
Great for cutting angles on square pipes!
- **Larger bearings for improved durability!**
SEL unit comes with larger bearings than previous models. (Fig. 3)
- **Stores a spare blade**
Cover designed to house a spare blade. (Fig. 4)
- **Suitable for thin-walled stainless steel pipes**
Cut thin-walled stainless steel pipes with ease.
(using 24-tooth HSS blade : Code No. 475213)
- **Brush prevents blade slip from plastic wastage.**
(Fig. 5 : Code No. 475195)

Specifications and Equipment

Motor	: Single phase 220V (50/60Hz) Split-phase induction motor 250W, with overload protection
Pulley speed	: 70 min ⁻¹ (50Hz) , 84 min ⁻¹ (60Hz)
Blade dimensions	: 1625 (L) × 13 (W) × 0.65 (T) mm
Overall dimensions	: 865 (L) × 355 (W) × 415 (T) mm
Standard accessories	: 14-tooth HSS blade (× 1) (Code No.475211)

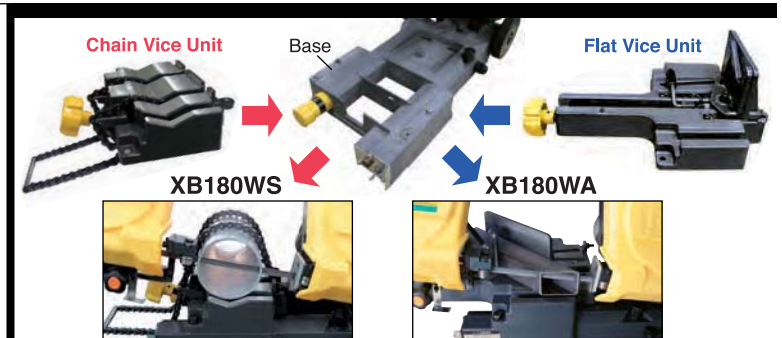


Fig. 1 Just three bolts needed to change the vice



Fig. 2 Contour cutting function



Fig. 3 Larger bearings provide greater durability



Fig. 4 Spare blade can be stored inside of the cover



Fig. 5 Brush prevents blade slip from plastic wastage

Code No.	Model	Vice	Motor (V)	Cutting capacity		Weight (kg)
				90°	45°	
4751S1	MANTIS 180WS (XB180WS)	CHAIN VICE	220	ROUND PIPE : ϕ 180 / SQUARE PIPE : \square 150	—	37
4751A1	MANTIS 180WA (XB180WA)	FLAT VICE	220	ROUND PIPE : ϕ 180 / SQUARE PIPE : \square 150	ROUND PIPE : ϕ 80 / SQUARE PIPE : \square 80	44
475190	XB180W CHAIN VICE UNIT	—	—	—	—	4.5
475192	XB180W FLAT VICE UNIT	—	—	—	—	11.5

REX

Types of Blades (Optional extras)

Be sure to use only recommended blades.

Code no.	Material	No. of teeth (teeth / inch)	No. of blades included
475200	Alloy	8	10
475201		10	
475202		14	
475203		18	
475204		24	
475210	High-speed steel (Bimetal)	10	5
475211		14	
475212		18	
475213		24	
475220	Grid saw	—	

Selecting the Cutting Load and Blade

Use the table below to select the blade and cutting load that are appropriate for the type, diameter, wall thickness etc. of the material to be cut.

Material			Alloy					High-speed steel				Grid saw	
			* 8	10	14	18	24	10	14	18	24		
Steel pipe			8A~25A			L	L			L	L		
			32A~80A			M	M			M	M		
			90A~150A			H	H			H	H		
Stainless steel	Schedule 40	8A~25A							L	L			
		32A~80A							M	M			
		90A~150A							H	H			
	Thin wall stainless steel (SU pipe)	13~125Su									LL		
		150Su								LL	L		
Resin pipe (Polyethylene pipe / Vinyl chloride pipe)					LL	LL			LL	LL			
Conduit			Thick steel				M				M		
			Thin steel				L	L			L	L	
Cast iron pipe					H				H				
Mortar-lined cast-iron pipe			≦ 1.9mm										H
Steel	Section steel	2~3.4mm					LL				LL		
		3.5~4.9mm			L	L			L	L			
		5~7.9mm			M	M			M	M			
		≧ 8mm		M	H			M	H				
		≦ 15mm		H	H			H	H				
	Round bar	16~50mm			M	M			M	M			
		51~80mm			H				H				
			H	H				H	H				

LL = ultra-light load L = light load M = medium load H = heavy load * = teeth

- Notes : • The figures in the table are examples only. Select the blade and cutting load to match the actual material to be cut.
• When selecting the proper number of teeth in the blade, use the following guideline: thickness of material = 2 teeth.