

# WIDDER TOOLS



## 18408 Pneumatic Portable Band Saw



### ***PRODUCT INFORMATION AND OPERATING INSTRUCTIONS***

**Description:** The **18408** Pneumatic Portable Band Saw is built around the same powerful pneumatic motor as our **10267** Hacksaw. The **18408** is built with rugged cast aluminum alloy components, and features two ergonomically adjustable handles allowing the operator to use the tool in the safest possible position for each cut.

**Cutting Capacity:** 4-7/8" width x 4" depth

**Specifications:** 45 CFM at optimal 95 PSI  
Variable Speed (0-400 Feet/Minute)

**Weight:** 15.8 lbs.

**IMPORTANT: READ MANUAL CAREFULLY BEFORE OPERATING THIS TOOL.  
FOLLOW ALL SAFETY PRECAUTIONS LISTED AND ALL OSHA REGULATIONS  
PERTAINING TO THIS TOOL.**

## ***SAFETY PRECAUTIONS:***

**Warning: When using air tools, basic safety precautions should always be followed to reduce the risk of injury, including the following:**

1. **Avoid accidental starting.**
  - Keep throttle shutoff closed when transporting or repositioning
2. **Disconnect Machine.**
  - This tool should be disconnected when not in use. If air is shutoff, tool should be discharged of any stored air pressure.
3. **Maximum Air Pressure**
  - Maximum air pressure is 135 PSI.
  - Use clean, lubricated, regulated air.
4. **Protect Airlines**
  - Avoid using excessive length airlines. Extended airlines reduce tool power and are a working hazard.
  - Inspect all airlines for safe condition before use.
5. **Maintain Tool.**
  - Use sharp blades and keep Saw clean for optimum performance.
  - Keep handles clean, dry and free from oil and grease.
  - This tool, like all air tools, will provide best performance with lubrication.
  - Use **WIDDER** Air Tool Lube for best performance
6. **Do not force tool.**
  - Use tool pressed firmly against reaction plate.
  - Cut should be performed with adequate force to develop chips during cutting but not so as to stall the tool under load.
7. **Support work piece**
  - Be sure to support the work piece on both sides of any cut. An unsupported work piece can sag, pinching the blade and causing the blade to break or shatter.
8. **Dress properly.**
  - Do not wear loose clothing or jewelry as they can be caught in moving parts.
  - Work gloves and non-skid footwear are recommended.
  - Wear ear protection.
  - Wear safety glasses.
9. **Maintenance.**
  - Maintenance should be performed by a **WIDDER** Factory Authorized Service Representative.
10. **Replacement Parts.**
  - When servicing, use only genuine **WIDDER** replacement parts from an authorized distributor.

## ***OPERATING INSTRUCTIONS:***

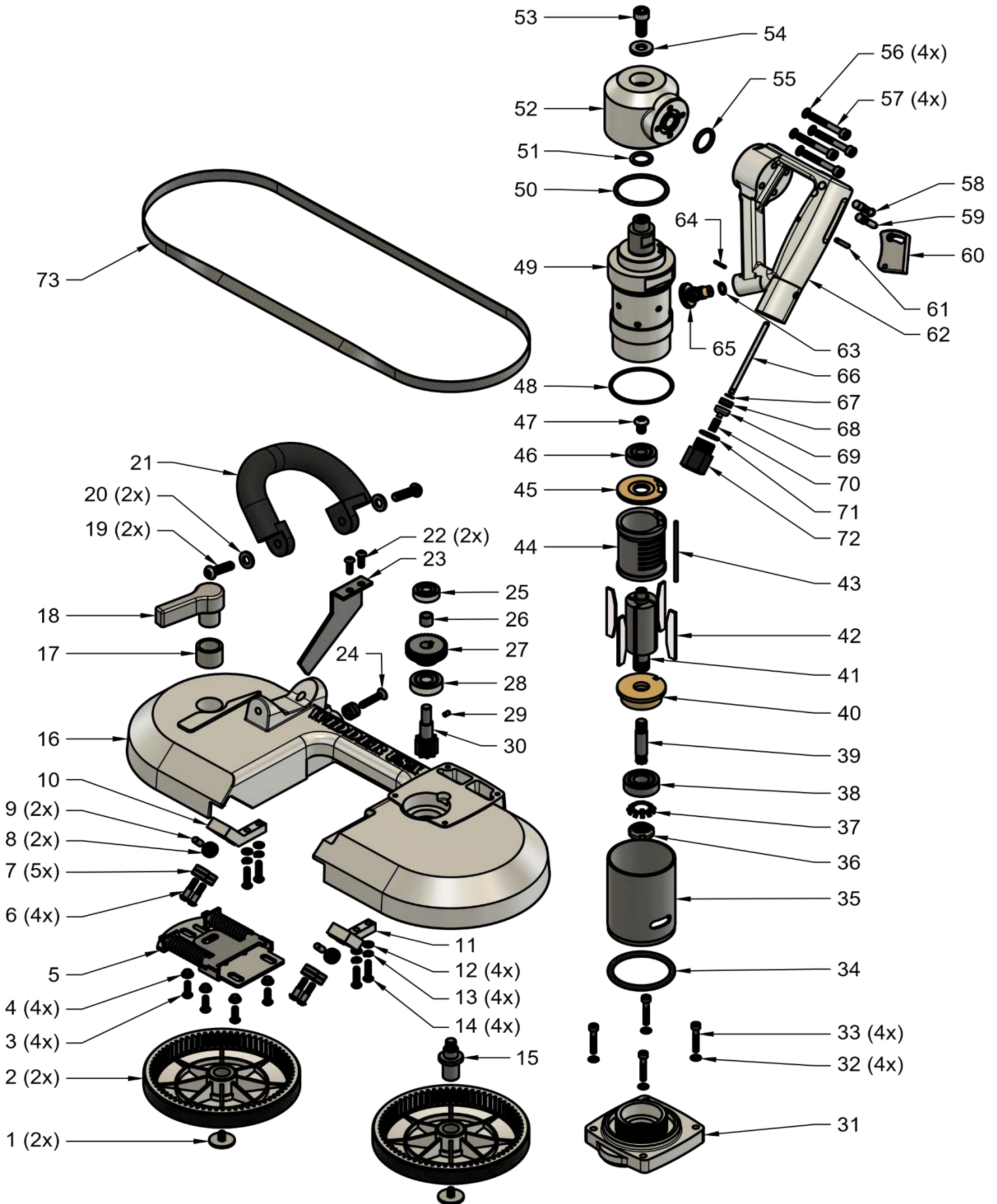
**Warning: Operator should be thoroughly familiar with safety precautions before attempting to operate this tool. Do not connect tool to power until the following procedures are complete.**

1. Install blade guide per photo below:



2. Throttle position can be adjusted for comfortable use by turning the throttle adapter on the top of the motor. Loosen the top screw to adjust, then retighten firmly.
3. Front handle can also be adjusted for best ergonomic position. Loosen the cap screws on either end of the handle to adjust, then retighten both screws firmly.
4. Inspect blade for damage and be sure blade is sharp. Be sure blade is in roller guides and teeth point in proper direction.
5. Tighten blade by flipping blade-tensioning lever – be sure the blade is in the guides and still moves smoothly.
6. Connect regulated/lubricated airline following all safety warnings.
7. Be sure work piece is secure.
8. Test start tool and adjust speed using throttle screw to correct operating speed in FPM based upon material type.
9. Power the tool on by depressing lockout button and squeezing the trigger.
10. Place blade guide against work piece.
11. Bring tool into cut slowly, with blade at right angles to the work piece, using a firm grip. Do not force the tool, chips should be in the shape of small number “6”s or “9”s.
12. Allow tool to come to a stop before setting down.
13. Store with blade tension removed and tool disconnected from air source.

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Item	Part#	MFG#	Description	Qty.
1	18469	27-1120	Pulley Screw/Washer	2
2	18468	27-1119	Pulley Assy.	2
3	18463	27-1114	Screw	4
4	18462	27-1113	Collar	4
5	18464	27-0013	Spring Plate Assy.	1
6	18476	27-1127	Screw w/ Sleeve	4
7	18488	27-1139	Bearing Assy.	5
8	18474	27-1125	Ball Bearing	2
9	18475	27-1126	Pin Shaft	2
10	18459	27-1110	Left Guide	1
11	18470	27-1121	Right Guide	1
12	18471	27-1124-FW	Flat Washer	4
13	18472	27-1124-LW	Lock Washer	4
14	18473	27-1124	Blade Guide Screw	4
15	18486	27-1137	Pulley Stud	1
16	18481	27-2001	Frame	1
17	18484	27-1135	Bushing	1
18	18454	27-1105	Tension Handle	1
19	18164	01-1150	Screw	2
20	18160	01-1151	Washer	2
21	18494	27-2004	Front Handle	1
22	18477	27-1128	Guide Bar Screw	2
23	18478	27-1129	Guide Bar	1
24	18485	27-1136	Flat-head Screw	1
25	18489	27-1140	Ball Bearing	1
26	18511	27-1006	Gear Bushing	1
27	18412	27-1011	Helical Gear	1
28	18451	27-1102	Ball Bearing	1
29	18544	27-1103	Shaft Pin	1
30	18543	27-1104	Gear Shaft	1
31	18411	27-1003	Motor Adapter	1
32	18424	27-1014	Lock Washer	4
33	18725	27-1015	Motor Adapter Screw	4
34	18414	27-1007	O-ring	1
35	17990	01-1125PL	Air Motor Cover	1
36	18061	01-1137	Lock Nut	1

Item	Part #	MFG#	Description	Qty.
37	18062	01-1138	Lock Washer	1
38	18063	01-1084	Ball Bearing	1
39	19005	01-1070	Pinion	1
40	18064	01-1092	Front End Plate	1
41	18066	01-1097	Rotor	1
42	18065	01-1144	Vane Set	1
43	18068	01-1145	Cylinder Pin	1
44	18067	01-1096	Cylinder	1
45	18069	01-1140	Rear Plate	1
46	18071	02-1011	Ball Bearing	1
47	18072	01-1088	Screw	1
48	18078	01-1146	O-ring	1
49	18423	27-0012	Motor Housing Assy.	1
50	18415	27-1008	O-ring	1
51	18416	27-1009	O-ring	1
52	18410	27-2002	Throttle Adapter	1
53	18421	27-1013	Screw	1
54	18420	27-1012	Washer	1
55	18490	27-2012	O-ring	1
56	18487	27-2011	Washer	4
57	18483	27-2010	Screw	4
58	18719	33-0011	Lockout Pin Assy.	1
59	18730	33-1025	Retention Pin	1
60	18673	33-1024	Trigger	1
61	18678	33-1009	Pivot Pin	1
62	18493	27-2003	Handle	1
63	18318	01-1227	O-ring	1
64	18734	33-1029	Retention Pin	1
65	18317	01-1223	Throttle Screw	1
66	18675	33-1006	Trigger Rod	1
67	18676	33-1007	E-clip	1
68	18312	STA-707	Seal	1
69	18311	01-1224	Seal Cup	1
70	18310	STA-709	Spring	1
71	18682	33-1014	O-ring	1
72	18674	33-1005	Inlet Adapter	1
73	18479	PB14X18BM	Blade	1