

Care and Use Sheet

Pneumatic Drum Sanders

Ekstrom, Carlson Smal Tools Division of

TOOLMasters L.L.C.



The following information will assist you in obtaining maximum operating efficiency and years of trouble free service from your ToolMasters Pneumatic Drum Sander – one of the finest sanding instruments on the market today.

Operating Pressure

DO NOT OVER INFLATE.

The correct amount of rubber tube pressure can easily be determined by a little experimenting. The pressure depends on the size of the drum, the rpm, and the work being done.

Suggested Air Pressure for ToolMasters Pneumatic Drum Sanders

Drum Size	Air Pressure lbs. per sq. in.	Maximum psi
1-1/8"	8	10
1-3/4"	8	10
2-1/4"	8	10
3-1/4"	6	8
4-3/8"	6	8
6-1/4"	2	2-1/2
8-1/4"	1-1/2	2

Warning:

When inflating, DO NOT exceed the above maximum psi. Possible damage to the drum or operator could arise from over inflation.

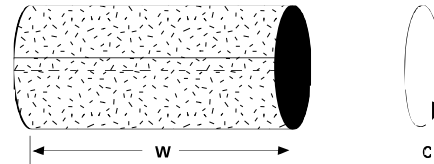
Installing Abrasive Sleeves

Deflate the rubber tube to install the abrasive sleeve. Place the sleeve on the drum so that the work will be sanded in the direction of the lap. Do not sand against the lap as this may tend to pull the lap open.

Ordering Abrasive Sleeves

(ready to use)

ToolMasters does not supply abrasive sleeves. They may be purchased from a local abrasive supplier. When ordering abrasive sleeves, indicate that they are to be used on a ToolMasters Pneumatic Drum Sander, and specify the advertised drum diameter and length.



Dimensional Chart

Pneumatic Drum No.	Drum Dia.	Sandpaper Belt	
		Width	Circumference
*081-1600	1-1/8"	6"	3-17/32"
081-2734	2-1/4"	7"	7-15/32"
081-2934	2-1/4"	9"	7-15/32"
081-2910	2-1/4"	9"	7-15/32"
081-3714	3-1/4"	7"	10-5/8"
081-3914	3-1/4"	9"	10-5/8"
081-4714	4-3/8"	7"	13-3/4"
081-4914	4-3/8"	9"	13-3/4"
081-6714	6-1/4"	7"	20"
081-6914	6-1/4"	9"	20"
081-8914	8-1/4"	9"	26-5/16"
Portable Touch-Up Drum			
*082-3120	1-1/8"	6"	3-17/32"
*082-3121	1-1/8"	6"	3-17/32"
082-3150	1-3/4"	6"	6"
082-3151	1-3/4"	6"	6"
082-3490	2-1/4"	8"	7-15/32"
082-3500	3-1/4"	9"	10-5/8"
082-3501	3-1/4"	10"	10-5/8"

* These items do not have protective canvas covers. All other drums listed are with protective canvas cover.

Recommended Abrasive Material Grades

Wood

For the roughing operation we suggest resin aloxite cloth of 80 grit or less.

For the finishing operation use resin garnet (soft back) cloth of 100, 120, or 150 grit.

Metal

Aloxite material of 80 grit or less is recommended for the roughing operation, and 100 grit to 150 grit for the finishing operation.

Repair of Pneumatic Drums

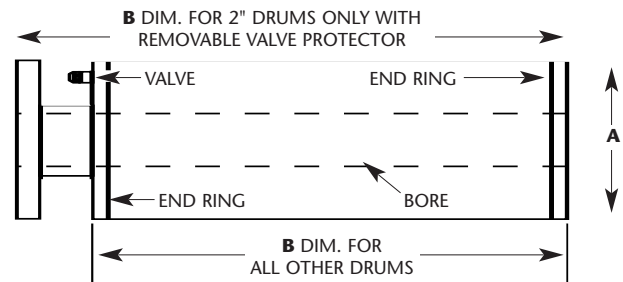
The canvas sleeve and rubber tube on your Pneumatic Drum Sander are easily replaced. We recommend ordering our drum repair kit (091-0001) when replacing the rubber tube.

Repair Procedure

1. Before ordering replacement canvas sleeves or rubber tubes, measure your Pneumatic Drum across the diameter and length as illustrated in figure 1 "A" and "B" on this page. Use these dimensions when ordering replacement sleeves, tubes, or repair parts. See Replaceable Canvas Sleeves and Replaceable Rubber Tubes charts on this page.
 2. Canvas sleeve replacement. Deflate drum; loosen the holding wires at each end of drum. Remove canvas sleeve; inspect and clean rubber tube. Replace canvas sleeve; tighten holding wires at each end. Cut off excess wire and turn twisted ends inside canvas sleeve. Replace sanding sleeve and inflate drum. Do not over inflate.
 3. Valve stem replacement. Deflate drum; remove valve stem core. To remove valve stem, use EASY-OUT.
 - 3a. Remove valve core from new valve stem part #092-0001. Apply sealant to outer valve stem body and press valve stem into hole. Allow six (6) hours for sealant to set up.
 - 3b. Replace valve core and check for leakage. Do not submerge in water with canvas sleeve on.
 4. Rubber tube replacement. Deflate drum; remove sanding sleeve and canvas sleeve. Remove all screws on both ends of drum. Remove drum end rings. Remove rubber tube from drum ends. Clean all rubber and foreign material from drum ends. Check air valve in drum end; replace if damaged. See valve replacement procedure on this page. Turn ends of replacement tube inside out and rough surface prior to installation. Slide new rubber tube on one drum end; apply rubber adhesive to 1/2" of exposed drum end plate. Allow adhesive to become tacky. Roll or pull rubber tube over drum end plate. A strip of electrical tape tightly wound around rubber tube and drum end will insure proper bonding. Repeat step four (4) on opposite end.
 - 4a. Allow a minimum of six (6) hours bonding time. After six (6) hours, remove electrical tape and trim excess rubber from the ends. Place drum end rings in position, align screw holes, and start all screws, but do not tighten. Tighten screws equally around drum end rings. Screws are part #092-0002.
 - 4b. Inflate drum; replace canvas cover and sanding sleeve. Inflate drum to desired hardness.
- If drum still loses air, repeat steps 3 or 4.

To Order Canvas Sleeves or Rubber Tubes

Figure 1 — Pneumatic Drum



2" Drums

Specify the drum diameter and the length of the drum. Include the valve protector when measuring the length. (Refer to the Pneumatic Drum drawing.)

All Other Drums

Specify the drum diameter and the length of the drum. Measure the length of the bore though the drum. (Refer to the Pneumatic Drum drawing.)

Note: When ordering, always specify the drum diameter first and the length second.

Replaceable Canvas Sleeves

Bump Free Part No.	Drum Size	
	A-Dia.	B-Length
085-5016	1-3/4"	6"
085-5027	2-1/4"	7"
085-5029	2-1/4"	9"
085-5037	3-1/4"	7"
085-5039	3-1/4"	9"
085-5310	3-1/4"	10"
085-5047	4-3/8"	7"
085-5049	4-3/8"	9"
085-5067	6-1/4"	7"
085-5069	6-1/4"	9"
085-5089	8-1/4"	9"

Replaceable Rubber Tubes

Part No.	Drum Size	
	A-Dia.	B-Length
083-1600	1-1/8"	6"
083-1605	1-3/4"	6"
083-2700	2-1/4"	7"
083-2900	2-1/4"	9"
083-3700	3-1/4"	7"
083-3900	3-1/4"	9"
083-3100	3-1/4"	10"
083-4700	4-3/8"	7"
083-4900	4-3/8"	9"
083-6700	6-1/4"	7"
083-6900	6-1/4"	9"
083-8900	8-1/4"	9"

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