

LEATHER

ZEPHIR SKIN - A tough feather-weight membrane made from animal intestine. Used for pouches. Almost airtight. Approx. size: 8" x 25"

NO. 60 PER SKIN . . . \$49.00

TAN POUCH LEATHER - Top grade split from imported lamb skin, thickness from .012" to .013" This is the same leather that was generally used for pouches in most player actions. Full skin is approx. 6 sq. ft.

NO. 1161, HALF-SKIN . . . \$125.00

NO. 61 FULL SKIN . . . \$250.00

See Page 11 for pouch drawings

FLAP VALVE LEATHER - .065" to .085" thick with hard finish one side and fine smooth valve surface on the other. For inside and outside pedal pump flaps.

NO. 64 PER SQ. FT. (7" WIDE) \$9.90

NO. 164 PER PC. 7"x12" . . . \$5.88

CALF SKIN (Approx .025" thick) Polished smooth grain side; flesh side smooth and firm suede.

NO. 62 PER SQUARE FT. . . \$10.50

KID SKIN - The most perfect leather for valves. Various colors. About 4 sq. ft. per skin. SOLD ONLY BY FULL SKIN

NO. 63 .040" thick \$42.00

NO. 1063 .050" thick 42.00

CABRETTE - Soft white, .020" thick. For valves.

NO. 67 PER SQUARE FT. . . \$29.95

MANDOLIN STRIP - 3" x 48" strip of leather for mandolin rail.

NO. 68 . . . \$9.88

GASKET MATERIAL

ALSO SEE Die-Cut Gaskets on page 10

SOFT BLACK RUBBER SHEETING 1/32" thk, 12" wide, per running ft.

No. 736 . . . per ft. . . \$3.00

1/16" thk., per sq. ft. peice (12"x12")

No. 737 . . . ea. . . \$2.50

1/8" thk. strip 4" x 54".

No. 738 . . . ea. . . DISCONTINUED

CORK SHEET. Pure fine-grind dense cork. 28" x 50" x 1/16"

NO. 1761 . . . EA \$10.00

CLOSED-CELL SPONGE NEOPRENE. Softer than leather, completely airtight. Uniform thickness. The latest thing for vertical valve replacements. Just re-glue valve stem to new combination valve made with two punchings of sponge neoprene, separated by fibre or metal valve base disc. No. 320 glue is recommended.

NO. 751, 1/16"x12", PER FT. \$1.75

NO. 752 1/8"x12", PER FT. \$2.50

GASKET PACKING LEATHER - Soft suede both sides. Approx. .040" thick, skin size about 24" x 48". SOLD ONLY BY FULL SKIN.

NO. 400 . . . \$30.00

ARTIFICIAL LEATHER (Vinyl Sponge)

Soft as human skin. 100% airtight. Skin surface with sponge cells below. Backed with cloth for easy gluing. No. 320 glue recommended

.058" thick. Brown
NO. 739 Per sq. ft. . . \$5.00

CORK-RUBBER GASKET MATERIAL, 1/16" thick. Sizes listed below.

NO. 401, 4" x 36" . . . \$3.66

NO. 398, 4" x 54" . . . \$5.60

NO. 408, 6" x 36" . . . \$8.47

NO. 397, 8" x 60" . . . \$17.48

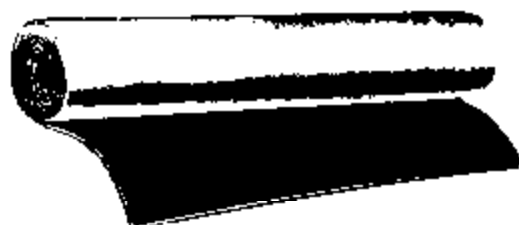
TUBING

PRICES BELOW ARE FOR
MULTIPLES of 100 ft.

STOCK No.	COLOR	I.D.	WALL THICKNESS	PRICE PER FT. 1-10 ft.	PRICE PER FT. 11-99 ft.	PRICE PER FT. 100-400 ft.	PRICE PER FT. 500 ft. - up
No. 22	grey	9/64"	1/32"	.22	.20	.17	.15
No. 3 No. 23	black grey	5/32"	5/128"	.16	.14	.11	.09
No. 20	black	5/32"	1/32"	SOLD ONLY IN 100 ft. ROLLS		10.00 c'	8.00 c'
No. 4	black	11/64"	3/64"	.24	.22	.12	.11
No. 5 No. 25	black grey	3/16"	3/64"	.24	.22	.12	.11
No. 6	black	7/32"	3/64"	.25	.23	.21	.19
No. 8	black	1/4"	3/64"	.28	.26	.20	.18
No. 10	black	5/16"	1/16"	.40	.32	.25	.23
No. 11	black	3/8"	3/32"	.56	.51	.47	.42
No. 13	black	7/16"	1/16"	1.00	.90	.82	.77
No. 14	black	1/2"	3/32"	1.20	1.10	1.00	.90
No. 17	black	5/8"	1/8"	1.35	Sizes above are sold in full foot lengths, 1 to 99. Larger sizes, starting with No. 17, may be ordered in half foot increments, any length.		
No. 18	black	11/16"	1/8"	1.35			
No. 19	black	3/4"	1/8"	1.35			
No. 205	grey	7/8"	5/32"	1.82	* * * The I.D. of all tubing is made slightly undersize to the size listed, so that it will be a snug fit. You do not need to order the next size smaller.		
No. 206	grey	1"	5/32"	2.00			
No. 207	grey	1-1/16"	5/32"	2.14			
No. 210	grey	1-1/4"	5/32"	2.39			
No. 211	grey	1-3/8"	3/16"	3.31			
No. 212	grey	1-1/2"	3/16"	3.31			

Black or grey is indicated for color pigmentation. Quality of rubber is identical.

BELLOWS CLOTH



ÆOLUS IS OUR TRADEMARK AND MEANS HIGHEST QUALITY NATURAL RUBBER

Price per running yard.

Also sold by fractions: 1/4, 1/3, 1/2, 2/3, 3/4 yards.

STOCK No.		1 to 3 yds.	4 to 9 yds.	10 to 19 yds
No. 50	Pneumatic cloth	20.46	16.41	14.41
No. 52	Motor cloth	32.79	29.52	26.57
No. 56	Reed Organ Bellows	28.57	25.71	22.25
No. 54	Light Bellows Cloth	39.00	35.50	32.50
No. 55	Heavy Bellows Cloth	45.00	40.00	37.00

SPECIFICATIONS for above **ÆOLUS** products

All natural rubber

Stock No.	Thickness	width	material	color	use
No. 50	.008"	55"	lawn cotton	dusted black	striking pneumatics
No. 52	.010"	55"	cotton/cotton	wine/black	ped. pneu., governor
No. 56	.025"	59"	twill cotton	black	melodeon, reed org.
No. 54	.040"	59"	drill cotton, fuzz back	rust/white	small pumps
No. 55	.048"	59"	drill cotton, fuzz back	rust/white	reservoir & pumps

LEAD TUBING FOR 5/32" TRACKER BAR
Pure lead tubing, .154" I.D. x .200" O.D. (3/16")



See page 104
for info on handling
and use after
opening

There are some tips in regards to removing the old lead from both the brass tracker bar nipple and the hole in the wood at the other end on page 75 & 87. This is sold only by the 200 ft. spool. Just the right amount for the average player, with a little left over.

See Stock No. 481, page 100 for info on handling and use after opening.

No. 21 . . . PER SPOOL • DISCONTINUED

The aging qualities of Natural Rubber will outlast any neoprene or synthetic. The wear qualities of Nylon will far outlast those of cotton. However, popular demand has apparently rejected the use of Nylon in bellows cloth because it can't be glued with "hot" glue. Therefore, the Nylon materials (Deltex & Bilon) were discontinued, simply because use of the traditional material, rubber or cotton, prevailed.

If the cotton pneumatic cloth is never creased, but instead allowed to fold naturally by vacuum under a situation where the pneumatic is prevented from changing by .16", the wear life will be increased three times.

Most player manufacturers placed a felt bumper inside the pneumatic, but beaded the fold to prevent the lead crease. A few players did not do this, and the result was pin holes and slits on the folds after about ten years use.

It is true that once a pneumatic is removed and assembled back into the player action, there is usually a mechanical snap action, so the pneumatic can never completely close, however, without the internal felt bumper, the damage will have already been done; just handling the pneumatic to take it out and glue it to the desk will put this hard crease in the cloth. Then, rather than distribute the wear to a broad band, all the wear is concentrated in this narrow trough of the crease in all future folding action.

It is suggested that an ideal felt to solve the above problem is: No. 1685 felt dot No. 1685 1/8" thk. pkg. of 100 \$3.50

LUBRICANTS; PROTECTANTS

MINK OIL is made from 100% animal oils. 16-2/3% is pure mink oil, and basically beef tallow for the remainder, mixed with zinc stearate, which keeps leather pliable and prevents hardening.



Tanning of leather removes the natural oils. In the reprocessing of mink oil tanned leather, material will absorb 23 pounds of mink oil to the 100 pounds of raw leather. The animal oils will adhere to the leather fibres with lasting results. On the other hand, petroleum based products will eventually bleed off or evaporate away.

The shelf life of mink oil is indefinite; it will not dry out or deteriorate.

Mink oil does wonders for preserving and keeping leather and vinyl soft. It can be massaged in and in about ten minutes, excess wiped off. Mink oil will do everything that stock nos. 324 and 322 will do; is better, and costs less. Excellent for treating leather pouches and gaskets.

Rubber type synthetics should never be applied to pouch leather in any quantity; inconsequently, you may have been advised otherwise.

Consistency of mink oil looks like the same as canned car polish wax.

NO. 1704 3 1/2 oz. jar, ea. . . . \$3.10
NO. 1705 7 oz. jar, ea. . . . \$5.10

- GRAPHITE. Finely powdered for slide valves. 1 oz. jar with applicator and instructions for professional method to make the dry graphite stick to wood surface. Nothing but dry lubricant should ever be used on pneumatic motor slide surface. Anything with oil or grease will soak into the wood and cause permanent damage, such as "stick" graphite which contains grease for a binder.
NO. 321 \$1.20

- GUARDSMAN FURNITURE POLISH, 1 pt. For the best care of piano finish. Is wax free; contains no acids, solvents or silicones. No sticky or oily surface.
NO. 1724 . . . \$7.15



- McLUBE. - 16 oz. spray can that leaves a coating like Teflon. Dry, so it cannot attract dust. Also protects metal parts from rust or corrosion, as well as the lubricating effect. Can be used instead of graphite on motor slide valves and reduces friction on crankshaft. Spraying threaded wires beforehand will make new leather nuts go on much easier. Kills tackiness on valve leather; also valve plates if coated, will release from the sealer.
NO. 1700 \$17.00

- SIL-GLYDE - Comes in a tube, is thick like grease, and is made with Silicone, so it is harmless to rubber and not affected by temperature. Can be used on metal bearings and tracking cams. Also, can be used on gaskets; as they are tightened Sil-Glyde will fill in any low spots or porosity. 4 oz. tube.
NO. 322 \$9.50



- GLOSS LACQUER in spray can. (11 1/2 oz.) Unlike acrylic or enamel, lacquer does melt into the previous spray coat, allowing a professional looking finish, thus you can spray many light coats and avoid running.
NO. 463 Clear \$6.50
NO. 439 Black \$6.50

TUBING CONNECTORS

SPECIALTY TUBING CONNECTORS

When pulling lead tubing, the hole left in the wood is usually 3/16". To run rubber tubing to the tracker bar, you will need a connector to anchor in this hole. There are two options: the 3/16" x 1/2" elbow, which is a 3/32" O.D. with a 3/16" sleeve at one end. The other, is to seat the hose into a 1/4" drill bit and drive in stock no. 351, 352 or 353. This reduces straight sleeve.

Stock No.	Size	Price ea.	10 or more
361	3/16" to 5/32" EL.	.298	.88
351	7/32" to 5/32" ST	.50	.40
352	1/4" to 5/32" ST.	.60	.55
353	5/32" to 3/32" ST. (tracker bar nipple)	1.00	.90

T CONNECTORS FOR 1-1/4" HOSE.

378	1 1/8" x 1 1/8" x 1 1/8"	3.78	
365	1 1/8" x 1 1/8" x 1"	2.00	
367	1 1/8" x 3/4" x 1 1/8"	6.50	
368	1 1/8" x 5/8" x 1"	6.50	
369	1 1/8" x 5/8" x 1 1/8"	6.50	

T - CONNECTORS

371	5/32"	.80	---
347	7/32"	2.25	1.80
364	1/4"	1.40	1.20
373	3/8"	1.00	.80
374	1/2"	4.30	---
375	5/8"	4.30	---
376	3/4"	5.00	---
377	1"	6.00	---

Y-CONNECTORS

350	5/32"	.80	.52
349	3/16"	1.04	.96
359	1/4"	2.25	
282	3/8"	1.13	
391	5/16"	1.72	

ELBOWS 90 degree

Stock No.	Size	Price ea.	10 or more
141	5/32"	.30	.24
142	3/16"	.57	.40
143	7/32"	.80	.68
144	1/4"	1.00	.80
145	5/16"	.90	.65
146	3/8"	1.00	.85
147	7/16"	1.10	.95
148	1/2"	3.99	3.40
149	5/8"	3.99	3.40
150	3/4"	3.99	3.40
151	7/8"	4.47	3.68
152	1"	5.24	4.27
153	1-1/16"	5.24	4.27
154	1-1/8"	5.24	4.27
155	1-1/4"	5.49	4.58
156	1-1/2"	5.56	4.63

STRAIGHT NIPPLES

Stock No.	Size & Length	Price ea.	10 or more
1171	5/32" (7/8")	.10	4.00
72	3/16" (1-3/8")	.17	15.00
73	7/32" (1-1/16")	.12	8.00
74	1/4" (1-1/16")	.18	15.00

STRAIGHT NIPPLES for LARGER HOSE

Stock No.	Size & Length	Price ea.	10 or more
75	5/16" (1-5/16")	.34	.25
76	3/8" (1-1/4")	.68	.50
78	1/2" (1-7/8")	.88	.70
80	5/8" (2")	.88	.70
82	3/4" (2")	1.00	.90
83	7/8" (2-1/2")	1.30	1.00
84	1" (2-1/2")	1.00	.80
85	1-1/8" (1-1/2")	.60	.35
87	1-1/4" (2-1/2")	.92	.74
89	1-1/2" (3")	1.08	.88

STRAIGHT FLANGED NIPPLES

Stock No.	Size	Price ea.	10 or more
95	5/16"		
96	3/8"	DISCONTINUED	
97	7/16"	DISCONTINUED	
101	7/8"	3.50	3.10
103	1-1/16"	2.79	2.35
104	1-1/8"	2.79	2.35
105	1-1/4"	2.79	2.35
107	1-1/2"	DISCONTINUED	
110	2"	3.50	3.10

FLANGED ELBOWS

Stock No.	Size	Price ea.	10 or more
121	3/4"	4.31	3.66
123	7/8"	4.31	3.66
124	1"	4.31	3.66
126	1-1/8"	4.31	3.66
127	1-1/4"	5.31	4.51

GASKETS for FLANGED FITTINGS ABOVE

For no. 101 thru 127 & no. 101 thru 105	
NO. 130	FA. 1-935¢
	FA. 10 or more27¢