

Bass Marimba Parts

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Bass Marimba (1)

From top to bottom:

$\frac{3}{8}$ -16 hand knobs for fastening

- (1) the tube resonator rail sections and
- (2) the cavity resonator brackets to the upper aluminum tube rails.

Large $\frac{5}{8}$ -11 hand knobs for fastening the upper and lower tube rails to the stand.

Knob with bonded $\frac{1}{2}$ -13 stainless steel threaded rod for joining

- (1) the two halves of the upper 2.0 in. × 3.0 in. aluminum tube rails and
- (2) the two halves of the lower 2.0 in. × 2.0 in. aluminum tube rails. Bonding agent: Loctite #271.

$\frac{3}{8}$ -16 conical hand knobs used as handles for acoustically optimizing the locations of the tube resonator plugs.

$\frac{3}{8}$ -16 drill bushing lock screws with

- (1) large $\frac{3}{4}$ in. diameter heads and
- (2) original $\frac{7}{16}$ in. diameter shoulders ground down to $\frac{3}{8}$ in. diameter shanks. MSC #07401037.

These screws fasten the plywood plates — that hold the Honduras rosewood bars — to the upper aluminum tube rails.



Bass Marimba (2)

Mahogany tube resonator plugs; one plug with a $\frac{3}{8}$ -16 conical hand knob.



HR-23 Foam

Diamond Marimbas and Bass Marimba

In one small box: 25 in. × 6 in. × 14 in.

HR-23 Foam bought in 2000:

On Diamond Marimba I, 2019

On Diamond Marimba II, 2009

On Bass Marimba, 2002

In two large boxes: 33 in. × 6 in. × 17 in.

HR-23 Foam bought in 2019, which is moderately more resilient than the HR-23 Foam bought in 2000.



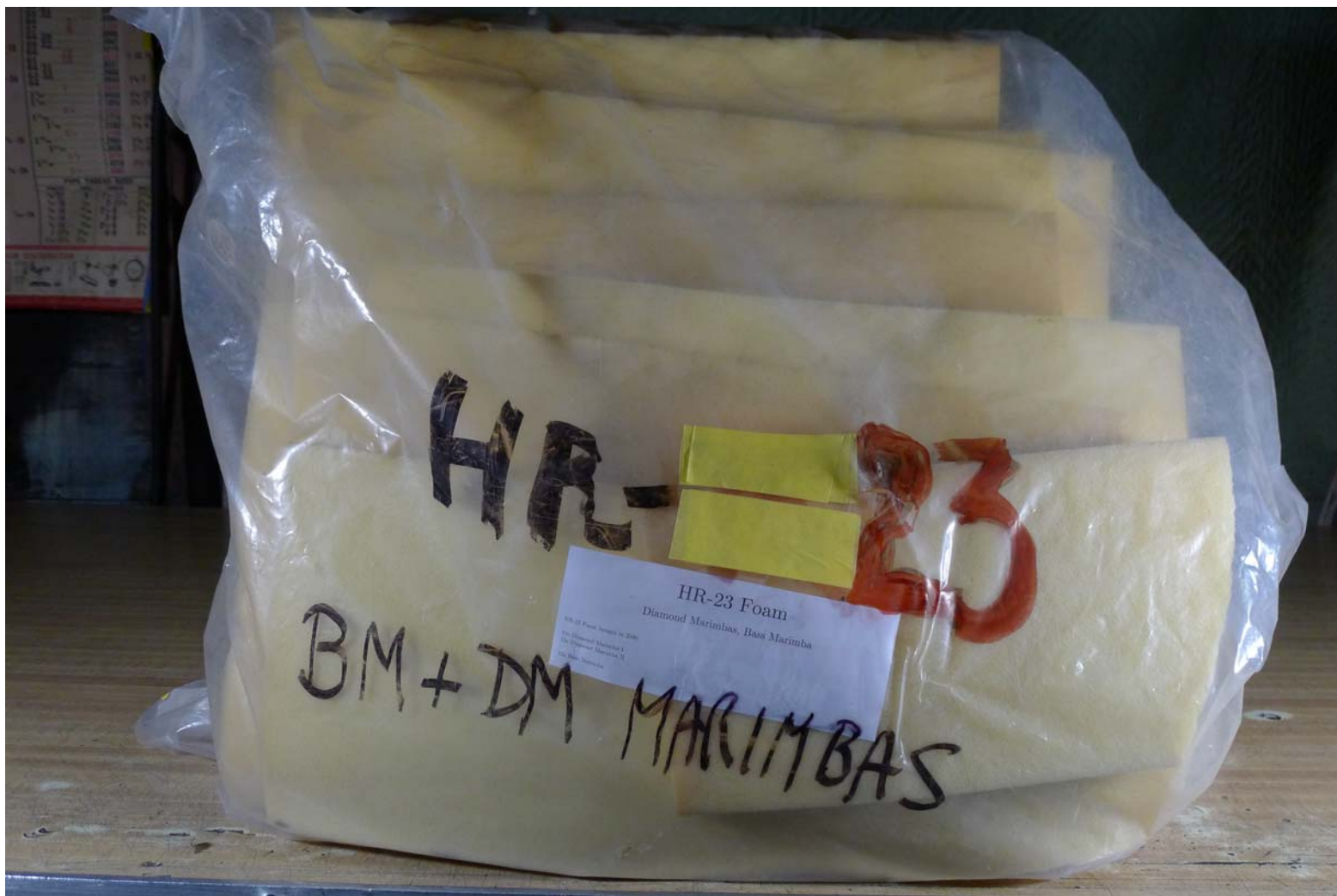
In one large bag: 28 in. × 24 in. × 12 in.

HR-23 Foam bought in 2000:

On Diamond Marimba I, 2019

On Diamond Marimba II, 2009

On Bass Marimba, 2002



Felts

Chrysalises, Diamond Marimbas, Bass Marimba, String Winder

Brown felt from the American Piano Supply Co; they are no longer in business. I was unable to find this material anywhere. American Piano described it as, "Steinway Style Stringing Cloth, #33894NS — Brown." This is a highly durable felt that I used to cover the mallet shelves on the Bass Marimba, and the brake blocks of both Chrysalises.

From left to right, all Schaff Piano Supply Co. products.

3 in. wide red understringing felt used to line the hose clamps that hold the $\frac{1}{4}$ -wavelength resonators on the Diamond Marimbas and the Bass Marimba. I also used this felt as cushion material on the cavity resonator brackets of the Bass Marimba, and on the ball bearing plates of the String Winder. This is also an excellent material for hand polishing wood, metal, and/or Delrin parts found on most instruments. Schaff #302R

$1\frac{1}{8}$ in. wide red understringing felt for heavy Bass Marimba mallets. Schaff #2335

$1\frac{1}{2}$ in. wide — thick — green backrail cloth for heavy Bass Marimba mallets: Schaff #322A

1 in. wide red pressure bar felt for heavy Bass Marimba mallets. Schaff #950

$1\frac{1}{2}$ in. wide — medium thick — green backrail cloth for Bass Marimba mallets and resonator plugs. Schaff #322B

2 in. wide red Steinway style stringing cloth for extra long custom music stand shelves. Schaff #2331R



Nut Plates

Bass Marimba and String Winder

Long Bass Marimba nut plates.

Long String Winder nut plates.

Short nut plates (not used on instruments).

1/2-13 left hand nuts welded to plates.

1/2-13 right hand nuts welded to plates.

Four extra *unmachined* Diamond Marimba I and II furniture foot levelers.

