

## Microtips

### Description:

Microtip probes are available in tapered and stepped configurations and are designed to process samples contained in small diameter vessels at extremely high intensity (refer to charts for recommended volumes).

Tapered microtips screw into standard 1/2" step horns with tapped ends.

The double stepped microtip consists of a coupler and a stepped tip and screws directly into the converter. It has lower amplitude than the tapered tip, but is capable of reaching into small diameter vessels of greater depth and can process solutions down to 0.5 ml.

The horns and microtips detailed on this sheet are also compatible with the earlier Branson Sonifier, Model 350. For information on horns for Sonifier Models 185-200, call us or your Customer Service Representative.

**WARNING:** because of their high amplitude, microtips are highly stressed and can break if operated in air or at an output control setting greater than 7 on the Sonifier II.

### Typical Applications:

- Micro-tapered is recommended for processing spores, fungi, yeast, muscle, and connective tissue.
- Microtip - stepped is recommended for red and white blood cells, tissue culture cells, HELA cells, and cells which have a low to medium resistance to breakage.

#### DOUBLE STEPPED MICROTIP

Tip Diameter	1/8" (3mm)
Intensity	Very High
Ampl. Range*	64-247
Volume (Liquid)	1/4 - 10 ml
Part Number	101-063-212

#### TAPERED MICROTIPS

Tip Diameter	1/8" (3mm)	3/16" (5mm)	1/4" (6.5mm)
Intensity	Ultra High	Very High	High
Ampl. Range*	116-494	59.5-302	59.5-247
Volume (Liquid)	1-10 ml	2-10 ml	3-10 ml
Part Number	101-148-062	101-148-069	101-148-070

\* Amplitudes quoted are total peak to peak movement in microns, as measured on positions 1 and 7 of the output control.

