

## ADDING A DOUBLE-QUICK-MOUNT TO OTHER -103, -203, -303, AND -503 SIZE TRANSDUCERS

### PERFORMANCE SCALE FACTORS

**Double-Quick-Mount Performance:** To derive of the performance of a Double-Quick-Mount (due to its longer cantilever length and added tip mass) from the performance of its associated transducer, perform the operation indicated below. For example, to find the free deflection of a D219-A4CL-503XB Quick-Mount bender, multiply the free deflection of the T219-A4CL-503X bending motor (page 34) by 1.5 (i.e.  $\pm 1,220 \mu\text{m} \times 1.5 = \pm 1,830 \mu\text{m}$ ).

<p>The performance of a Double-Quick-Mount is measured at the tip of the PCB and varies significantly from the listed performance of its associated <b>transducer</b> due to a longer effective cantilever length and the added tip mass of the PCB.</p>	VALUES TO BE USED AS GUIDELINES			DOUBLE-QUICK BENDERS				DOUBLE-QUICK EXTENDERS			
	WEIGHT (GRAMS)	CAPACITANCE (nF) (Parallel Operation)	RATED VOLTAGE (Vp) (Parallel Operation)	STIFFNESS (N/m)	RESONANT FREQUENCY (Hz)	FREE DEFLECTION ( $\mu\text{m}$ )	BLOCKED FORCE (N)	STIFFNESS (N/m)	RESONANT FREQUENCY (Hz)	FREE DEFLECTION ( $\mu\text{m}$ )	BLOCKED FORCE (N)
-103 size	+0.7	x 1.0	x 1	x .24	x .34	x 2.4	x .57	x .9	x .8	x 1.1	x 1
-203 size	+0.9	x .95	x 1	x .24	x .40	x 2.4	x .57	x .9	x .82	x 1.1	x 1
-303 size	+1.1	x .90	x 1	x .36	x .46	x 2.0	x .71	x .9	x .85	x 1.1	x 1
-503 size	+2.3	x .85	x 1	x .57	x .62	x 1.5	x .86	x .9	x .8	x 1.1	x 1

To determine the price of any -103, -203, -303, or -503 Double-Quick-Mount, add the price of the transducer to the additional price of the Double-Quick Mount. For example, the price for 25 pieces of a D223-A4CL-303XB would be \$35 (transducer) + \$69 (Double-Quick Mount) = \$104 each.

ORDERING INFO	1 pc.	5	25	100		
PRICE OF TRANSDUCER +	PRICE OF ADDING A DOUBLE-QUICK MOUNT				=	PRICE OF DOUBLE-QUICK MOUNTED TRANSDUCER
Any -103 size Transducer	\$129	\$89	\$64	\$49	-103 Double Quick Mount	
Any -203 size Transducer	\$129	\$89	\$64	\$49	-203 Double Quick Mount	
Any -303 size Transducer	\$139	\$99	\$69	\$54	-303 Double Quick Mount	
Any -503 size Transducer	\$149	\$109	\$79	\$59	-503 Double Quick Mount	