

ADDING A QUICK-MOUNT TO ANY -103, -203, -303, AND -503 TRANSDUCERS

PERFORMANCE SCALE FACTORS

Quick-Mount Performance: The cantilever length of a Quick Mounted element is slightly longer than the cantilever length of its associated transducer element. To derive its performance from its associated transducer element, perform the operation indicated below. For example, to find the free deflection of a Q219-A4CL-503XB Quick-Mount bender, multiply the free deflection of the T219-A4CL-503X bending motor by 1.26 (i.e. $\pm 1,220 \mu\text{m} \times 1.26 = \pm 1,537 \mu\text{m}$).

| The performance of a custom Quick Mount varies slightly from the listed performance of its associated transducer because of a slightly longer cantilever length. | | | QUICK MOUNT BENDERS | | | | | | QUICK MOUNT EXTENDERS | | | | |
|---|---------------------|--------------|----------------------------|--|--|-----------------|-------------------------|-----------------------------------|------------------------------|-----------------|-------------------------|-----------------------------------|-------------------|
| | | | WEIGHT (GRAMS) | CAPACITANCE (nF) (Parallel Operation) | RATED VOLTAGE (Vp) (Parallel Operation) | STIFFNESS (N/m) | RESONANT FREQUENCY (Hz) | FREE DEFLECTION (μm) | BLOCKED FORCE (N) | STIFFNESS (N/m) | RESONANT FREQUENCY (Hz) | FREE DEFLECTION (μm) | BLOCKED FORCE (N) |
| Cantilever Length, Inches (mm) | | | | | | | | | | | | | |
| Size | Transducer Elements | Quick Mounts | | | | | | | | | | | |
| -103 | 1.00 (25.4) | 1.125 (28.6) | | | | | | | | | | | |
| -203 | 1.00 (25.4) | 1.125 (28.6) | | | | | | | | | | | |
| -303 | 1.00 (25.4) | 1.125 (28.6) | | | | | | | | | | | |
| -503 | 2.00 (25.4) | 2.250 (28.6) | | | | | | | | | | | |
| | | | +0.4 | x.9 | x1 | x.7 | x.79 | x1.26 | x.89 | x.89 | x.89 | x1.12 | x1 |
| | | | +0.6 | x.9 | x1 | x.7 | x.79 | x1.26 | x.89 | x.89 | x.89 | x1.12 | x1 |
| | | | +0.7 | x.9 | x1 | x.7 | x.79 | x1.26 | x.89 | x.89 | x.89 | x1.12 | x1 |
| | | | +1.4 | x.9 | x1 | x.7 | x.79 | x1.26 | x.89 | x.89 | x.89 | x1.12 | x1 |

To determine the price of adding a Quick-Mount to any -103, -203, -303, or -503 transducer, add the price of the Quick Mount to the price of the transducer. For example, the unit price for 25 pieces of a Q223-A4CL-303XB (High Performance Quick-Mount Bender) would be \$35 (transducer) + \$59 (Quick Mount) = \$94 each.

| ORDERING INFO | | 1 pc. | 5 | 25 | 100 | | |
|---------------------|--------------------------|-------|-------------------------------|------|------|-----------------------|-----------------------------------|
| PRICE OF TRANSDUCER | | + | PRICE OF ADDING A QUICK-MOUNT | | | = | PRICE OF QUICK-MOUNTED TRANSDUCER |
| | Any -103 size Transducer | \$99 | \$74 | \$54 | \$44 | -103 size Quick Mount | |
| | Any -203 size Transducer | \$99 | \$74 | \$54 | \$44 | -203 size Quick Mount | |
| | Any -303 size Transducer | \$109 | \$79 | \$59 | \$49 | -303 size Quick Mount | |
| | Any -503 size Transducer | \$119 | \$84 | \$64 | \$54 | -503 size Quick Mount | |