

Quick Change Shear Wave Transducers

QCG & PQC & Wedges (wedges can be contoured)



Features

- Single angle beam shear wave contact probe
- Circular, lead metaniobate crystal
- High damped for bandwidth (PQC)
- Medium damped for medium bandwidth (QCG)
- Screw thread for quick change, use with threaded QW wedges
- Circular composite crystal (PQC)

Frequent applications

- Aerospace
- Castings
- Forgings
- Machined parts
- Critical welds
- White metal

Transducer Models

Product code	Description	Crystal Diameter (inches)	Frequency (MHz)
QCG2525	2.25MHz ¼" QuickChange	0.25	2.25
QCG3725	2.25MHz 3/8" QuickChge	0.375	2.25
QCG5025	2.25MHz ½" QuickChange	0.5	2.25
QCG2550	5MHz ¼" QuickChange	0.25	5
QCG3750	5MHz 3/8" QuickChange	0.375	5
QCG5050	5MHz ½" QuickChange	0.5	5
QCG2510	10MHz ¼" QuickChange	0.25	10
QCG3710	10MHz 3/8" QuickChange	0.375	10
QCG5010	10MHz ½" QuickChange	0.5	10
PQC2525	2.25MHz ¼" QuickChange	0.25	2.25
PQC3725	2.25MHz 3/8" QuickChge	0.375	2.25
PQC5025	2.25MHz ½" QuickChange	0.5	2.25
PQC2550	5MHz ¼" QuickChange	0.25	5
PQC3750	5MHz 3/8" QuickChange	0.375	5
PQC5050	5MHz ½" QuickChange	0.5	5
PQC2510	10MHz ¼" QuickChange	0.25	10
PQC3710	10MHz 3/8" QuickChange	0.375	10
PQC5010	10MHz ½" QuickChange	0.5	10

Size Options					
Probe Size (inches)	Case Dimensions (mm)			Connector Type	Connector Position
Ø	A	B	C	Microdot (D)	Top (T)
0.25	13	19	-	•	•
0.375	14	19	-	•	•
0.5	17	19	-	•	•

QC Wedge			Θ (°)	a x b (inches)
QW2545	QW2545RL	45° wedge for ¼" QC probe	45	1/4
QW2560	QW2560RL	60° wedge for ¼" QC probe	60	1/4
QW2570	QW2570RL	70° wedge for ¼" QC probe	70	1/4
QW3745	QW3745RL	45° wedge for 3/8" QC probe	45	3/8
QW3760	QW3760RL	60° wedge for 3/8" QC probe	60	3/8
QW3770	QW3770RL	70° wedge for 3/8" QC probe	70	3/8
QW5045	QW5045RL	45° wedge for ½" QC probe	45	1/2
QW5060	QW5060RL	60° wedge for ½" QC probe	60	1/2
QW5070	QW5070R	70° wedge for ½" QC probe	70	1/2