

Quick Change Shearwave Transducers & Wedges

QCR, QCG, PQC & QW



Frequent Applications

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

Transducer Features

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

Wedge Features

- Threaded quick change wedge for use with QCR, QCG and PQC transducers.
- Wedge beam shear wave contact probe.
- Axial and circumferential ID or OD profiling available.

Transducer Models				
QCR (Resolution)	QCG (Gain)	PQC (Platinum)	f	∅
p/n			(MHz)	(")
QCR2525	QCG2525	PQC2525	2.25	1/4
QCR3725	QCG3725	-	2.25	3/8
QCR5025	QCG5025	PQC5025	2.25	1/2
-	-	PQC503.5	3.5	1/2
QCR2550	QCG2550	PQC2550	5	1/4
-	-	PQC3725	2.25	3/8
QCR3750	QCG3750	PQC3750	5	3/8
QCR5050	QCG5050	PQC5050	5	1/2
QCR2510	QCG2510	PQC2510	10	1/4
QCR3710	QCG3710	-	10	3/8

Wedge Models*					
Part No.	Wedge Dimensions (in)				
p/n	∅ (°)	∅ (")	A (")	B (")	C (")
QW2545	45	1/4	0.5	0.8	0.4
QW3745	45	3/8	0.6	1.0	0.5
QW5045	45	1/2	0.9	1.1	0.6
QW2560	60	1/4	0.5	0.9	0.5
QW3760	60	3/8	0.6	1.1	0.6
QW5060	60	1/2	0.9	1.3	0.7
QW2570	70	1/4	0.5	0.98	0.5
QW3770	70	3/8	0.6	1.2	0.61
QW5070	70	1/2	0.87	1.46	0.73

* Wedges for refracted longitudinal waves are also available, order part number with suffix RL e.g QW2545RL

Size Options	QCR, QCG & PQC		Connector Options									
Probe Size	Case Dimensions		Connector Type						Connector Position			
∅ (")	L (")	∅ (")	BNC (B)	Lemo 1 (L)	Lemo 00 (Z)	Microdot (D)	Subvis (S)	UHF (U)	Top (T)	Rear (R)	Side	Cable
1/4	0.75	0.50	-	-	-	•	-	-	•	-	-	-
3/8	0.75	0.57	-	-	-	•	-	-	•	-	-	-
1/2	0.75	0.68	-	-	-	•	-	-	•	-	-	-