

Delay Line Transducers

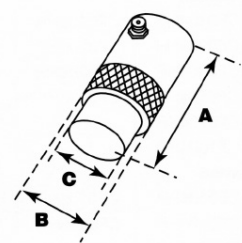


CTS offers a complete line of High Resolution and highly damped Delay Line Transducers, both with Removable and Permanent Delays. These Delay Line Transducers are recommended for inspection and thickness gauging of thin materials, and near surface flaw detection.

Removable Delay Line Transducers

High resolution (HR) Removable Delay Line Transducers are designed for near surface resolution. The versatility of the transducers provides an economical approach and allows a quick change when the delay tip gets worn. Each part is equipped with a screw-on retaining ring and a room temperature low-attenuation delay line material. Other high temperature delay line materials can also be substituted.

FREQUENCY (MHz)	DIAMETER INCHES (mm)			
	0.125 (3.175)	0.25 (6.35)	0.375 (9.525)	0.5 (12.7)
2.25	–	DR 022	DR 023	DR 024
3.50	–	DR 032	DR 033	DR 034
5.00	–	DR 052	DR 053	DR 054
7.50	–	DR 072	DR 073	DR 074
10.00	DR 101	DR 102	DR 103	–
15.00	DR 151	DR 152	–	–
20.00	DR 201	DR 202	–	–
25.00	DR 251	DR 252	–	–

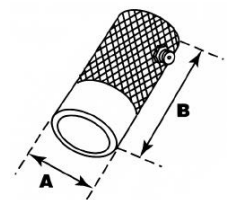


DIAMETER INCHES (mm)	A	B	C
0.125 (3.175)	1.01 (25.654)	0.39 (9.906)	0.19 (4.826)
0.25 (6.35)	1.08 (27.432)	0.56 (14.224)	0.31 (7.874)
0.50 (12.7)	1.36 (34.544)	0.80 (20.32)	0.55 (13.97)

Permanent Delay Line Transducers

High resolution (HR) Permanent Delay Line Transducers designed for near surface resolution with 0.35 inches (8.89 mm) fixed delays built into the housing, which eliminate the need for adding couplant and changing delays. This permanent bond between crystal and delay provides improved performance over Removable Delay Line Transducers. High temperature delay line materials are also available.

FREQUENCY (MHz)	DIAMETER INCHES (mm)			
	0.125 (3.175)	0.25 (6.35)	0.375 (9.525)	0.5 (12.7)
2.25	–	DP 022	DP 023	DP 024
3.50	–	DP 032	DP 033	DP 034
5.00	–	DP 052	DP 053	DP 054
7.50	–	DP 072	DP 073	DP 074
10.00	DP 101	DP 102	DP 103	–
15.00	DP 151	DP 152	–	–
20.00	DP 201	DP 202	–	–
25.00	DP 251	DP 252	–	–



DIAMETER INCHES (MM)	A	B
0.25 (6.35)	0.80 (20.32)	0.43 (10.922)
0.375 (9.525)	0.80 (20.32)	0.55 (13.97)
0.50 (12.7)	0.80 (20.32)	0.70 (17.78)