

# Delay Line Transducers

Technisonic **Delay Line Transducers** are offered in our High Resolution Series. These transducers are damped to the current limits of technology and have maximum bandwidth. They are recommended for thickness measurements or flaw detection of very thin materials on commercially available flaw detectors and some thickness gauges. The small case design permits

access into restricted areas and is ideal for wall measurements on small diameter tubing. Delay Line transducers are available in both permanent and replaceable delays offering greater flexibility. These transducers have a knurled exterior for a comfortable non-slip grip and color coded caps for easy identification. A side mounted microdot connector is supplied.

Delay Line transducers are available in three models.

The **Standard (GRD)** is recommended for most applications and is available in two sizes. The most popular GRD has a .25" diameter element coupled with a .35" long replaceable delay. A .50" diameter element with a .50" long replaceable delay is also available.

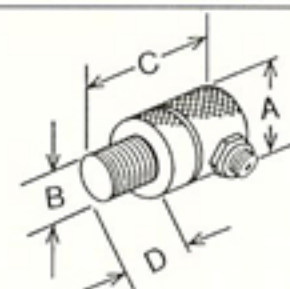
The **Miniature (MRD)** has an element diameter of .125". This transducer is ideal for restricted areas and is supplied with a .5" long replaceable delay.

The **Permanent Delay (GD)** version has an element diameter of .25" with a .35" long delay. This version has a delay built into the housing, eliminating the need for adding couplant and changing delays.

	GRD	GRD	MRD	GD
Frequency (MHz)	.250"	.500"	.125"	.250"
<b>High Resolution Series (HR)</b>				
2.25	GRD-0202-HR	GRD-0204-HR	—	—
3.5	GRD-0302-HR	GRD-0304-HR	—	—
5.0	GRD-0502-HR	GRD-0504-HR	—	GD-0502-HR
10.0	GRD-1002-HR	GRD-1004-HR	—	GD-1002-HR
15.0	GRD-1502-HR	—	MRD-1501-HR	GD-1502-HR
20.0	GRD-2002-HR	—	MRD-2001-HR	GD-2002-HR
25.0	GRD-2502-HR	—	MRD-2501-HR	GD-2502-HR

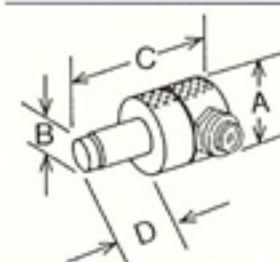
## Accessories for the Replaceable Delay Line Transducer

GRD Spring Loaded Case (1/4" dia. only)	GRD-SL
GRD .25" dia. Replaceable Delay (1 pc.)	GRD-.25-D
GRD .25" dia. Replaceable Delay (10 pc.)	GRD-.25-D10
GRD .50" dia. Replaceable Delay (1 pc.)	GRD-.50-D
GRD .50" dia. Replaceable Delay (10 pc.)	GRD-.50-D10
MRD Replaceable Delay (1 pc.)	MRD-D
MRD Replaceable Delay (10 pc.)	MRD-D10



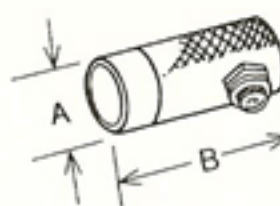
## DIMENSIONS (GRD)

Element	A	B	C	D
.25"	.50"	.29"	.89"	.27"
.50"	.69"	.55"	1.12"	.41"



## DIMENSIONS (MRD)

A	B	C	D
.45"	.22"	.88"	.40"



## DIMENSIONS (GD)

A	B
.39"	.75"