

Dual Element Transducers

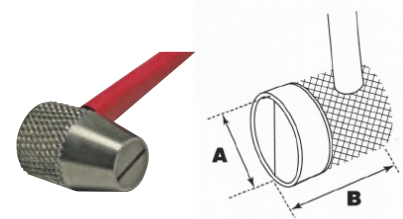
Dual Element Transducers contain two separate elements within a single housing. These elements, mounted on delays, are acoustically isolated and are slightly angled towards each other to create a pseudo focusing effect in a test material. This tandem arrangement provides superior near surface resolution and improved performance on corroded back walls.

Dual Element Transducers use separate elements to transmit and receive ultrasound signals. The elements are typically cut at an angle and mounted on delay lines. This helps to improve near surface resolution and the cross-beam design also helps to create a focus which makes Dual Element Transducers more sensitive to echoes from irregular defects caused from corrosion and pitting.



Potted Cable Transducers

Potted Cable Transducers are provided with right angle six foot potted cables terminated in BNC connectors. These transducers are provided with stainless steel knurled cases for improved grip and will operate at temperatures up to 800°F with momentary contact.

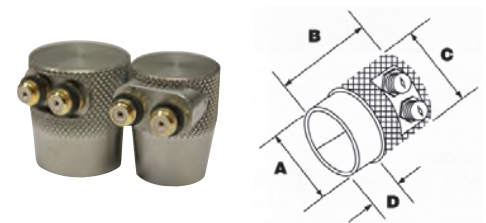


FREQUENCY (MHz)	DIAMETER INCHES (mm)			
	0.25 (6.35)	0.375 (9.525)	0.5 (12.7)	0.75 (19.05)
1.0	–	–	DC 014	DC 016
2.25	DC 022	DC 023	DC 024	DC 026
3.5	DC 032	DC 033	DC 034	DC 036
5.0	DC 052	DC 053	DC 054	DC 056
10.00	DC 102	DC 103	DC 104	–

DIAMETER INCHES (MM)	A	B
0.25 (6.35)	0.46 (11.684)	0.60 (15.24)
0.375 (9.525)	0.59 (14.986)	0.60 (15.24)
0.50 (12.7)	0.72 (18.288)	0.60 (15.24)
0.75 (19.05)	0.99 (25.146)	0.60 (15.24)

Removable Cable Transducers

Removable Cable Transducers are provided with dual microdot connectors, allowing for quick field changes of detective cables. Six-foot dual microdot to BNC cables are recommended as an accessory. These transducers come with knurled stainless steel cases and will operate at temperatures up to 800°F with momentary contact.



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	0.25 (6.35)	0.375 (9.525)	0.5 (12.7)	0.75 (19.05)
1.0	–	–	DF 014	DF 016
2.25	DF 022	DF 023	DF 024	DF 026
3.5	DF 032	DF 033	DF 034	DF 036
5.0	DF 052	DF 053	DF 054	DF 056
10.00	DF 102	DF 103	DF 104	–

DIAMETER INCHES (mm)	A	B	C	D
0.25 (6.35)	0.38 (9.652)	0.73 (18.542)	0.69 (17.526)	0.25 (6.35)
0.375 (9.525)	0.52 (13.208)	0.75 (19.05)	0.69 (17.526)	0.25 (6.35)
0.50 (12.7)	0.66 (16.764)	0.75 (19.05)	0.75 (19.05)	0.25 (6.35)
0.75 (19.05)	0.80 (20.32)	0.75 (19.05)	0.75 (19.05)	0.25 (6.35)