

# Angle Beam Transducers

## Standard Angle Beam Transducers

Standard Angle Beam Transducers conform to all commercial flaw detectors available. These transducers produce refracted shear waves when coupled to replaceable wedges. Standard Angle Beam Transducers are constructed with anodized aluminum housings for durability.

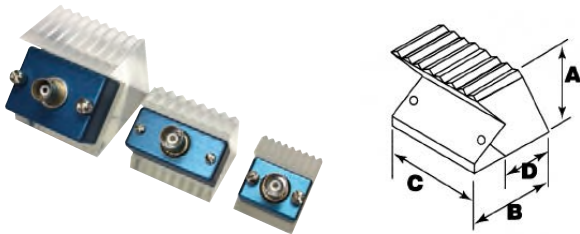


FREQUENCY (MHz)	SIZE INCHES (mm)			
	0.5 X 0.5 (12.7 X 12.7)	0.5 X 1.0 (12.7 X 25.4)	1.0 X 1.0 (25.4 X 25.4)	1.0 (25.4)
0.50	AB0.544	AB0.548	AB0.508	—
1.00	AB0144	AB0148	AB0108	—
2.25	AB0244	AB0248	—	AB0208
3.50	AB0344	AB0348	AB0308	—
5.00	AB0544	AB0548	AB0508	—

NOMINAL SIZE INCHES (mm)	E	F	G	H
1.00 (25.4)	1.25 (31.75)	0.63 (16.002)	1.38 (35.052)	1.65 (41.91)
0.50 x 1.00 (12.7 x 25.4)	0.73 (18.542)	0.63 (16.002)	1.31 (33.274)	1.53 (38.862)
0.50 (12.7)	0.72 (18.288)	0.63 (16.002)	0.81 (20.574)	1.02 (25.908)

## Standard Angle Beam Wedges

CTS offers standard replaceable wedges in three different styles: Serrated Type, Snail Type, and High Temperature Type for temperatures up to 500°F.



REFRACTED ANGLE	SIZE INCHES (mm)		
	0.5 X 0.5 (12.7 X 12.7)	0.5 X 1.0 (12.7 X 25.4)	1.0 X 1.0 (25.4 X 25.4)
30°	WS443	WS483	WS883
45°	WS444	WS484	WS884
60°	WS446	WS486	WS886
70°	WS447	WS487	WS887
90°	WS779	WS489	WS889

REFRACTED ANGLE	A	B	C	D
<b>SIZE: 1.00 (25.4)</b>				
30°	1.15 (29.21)	2.15 (54.610)	1.62 (41.148)	1.69 (42.926)
45°	0.98 (24.892)	2.00 (50.8)	1.62 (41.148)	1.50 (38.10)
60°	1.00 (25.40)	2.17 (55.118)	1.62 (41.148)	1.50 (38.10)
70°	1.14 (28.956)	2.50 (63.50)	1.62 (41.148)	1.50 (38.10)
90°	1.50 (38.10)	2.50 (63.50)	1.62 (41.148)	—
<b>SIZE: 0.50 x 1.00 (12.7 x 25.4)</b>				
30°	1.30 (3.02)	1.30 (3.02)	1.60 (40.64)	0.75 (9.05)
45°	1.30 (3.02)	1.40 (35.56)	1.60 (40.64)	0.78 (19.812)
60°	1.30 (3.02)	1.50 (38.10)	1.60 (40.64)	0.69 (17.526)
70°	1.35 (34.29)	1.80 (45.72)	1.60 (40.64)	0.68 (17.272)
90°	1.20 (30.48)	1.34 (34.036)	1.60 (40.64)	—
<b>SIZE: 0.50 (12.7)</b>				
30°	1.30 (3.02)	1.36 (34.544)	1.00 (25.40)	0.75 (9.05)
45°	1.20 (30.48)	1.30 (33.02)	1.00 (25.40)	0.71 (18.034)
60°	1.20 (30.48)	1.50 (38.10)	1.00 (25.40)	0.69 (17.526)
70°	1.20 (30.48)	1.60 (40.64)	1.00 (25.40)	0.68 (17.272)
90°	1.20 (30.48)	1.34 (34.036)	1.10 (27.94)	—