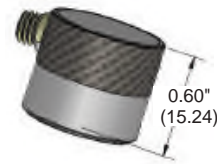
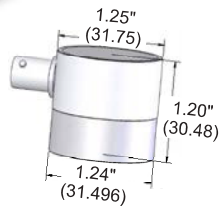


Shear Wave Transducers



Shear Wave Transducers are designed to excite shear waves directly into a material without the use of angle beam wedges. Unique design parameters have been incorporated to minimize the longitudinal component. Applications include direct shear wave velocity, Young's modulus of elasticity and shear measurements. The shear direction on all transducers is parallel to the right angle connector unless otherwise specified. Special longitudinal/shear combinations are available in a single transducer.



Standard Shear Wave Transducers

Standard Shear Wave Transducers are designed with frequency ranging from 50kHz to 5MHz.

PART NUMBER	FREQUENCY (MHz)	SIZE INCHES (mm)
SS 0.058	0.05	1.0 (25.4)
SS 0.18	0.1	1.0 (25.4)
SS 0.28	0.25	1.0 (25.4)
SS 0.58	0.5	1.0 (25.4)
SS 018	1.0	1.0 (25.4)
SS 054	5.0	0.5 (12.7)

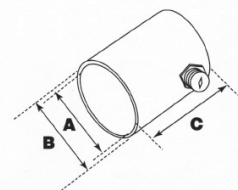
Fingertip Shear Wave Transducers

Fingertip Shear Wave Transducers are small sized style cases with frequency ranging from 1.0MHz to 5.0MHz.

PART NUMBER	FREQUENCY (MHz)	SIZE INCHES (mm)
SF 014	1.0	0.5 (12.7)
SF 024	2.25	0.5 (12.7)
SF 051	5.0	0.125 (3.175)
SF 052	5.0	0.25 (6.35)
SF 054	5.0	0.5 (12.7)

Delay Line Shear Wave Transducers

Delay Line Shear Wave Transducers are direct normal incidence shear waves without angled wedges. Internal fused silica buffers are available for frequencies ranging from 10.0MHz to 30.0MHz.



PART NUMBER	FREQUENCY (MHz)	SIZE INCHES (mm)	DELAY (μ S)	STYLE
SD 052-SL	5.0	0.25 (6.35)	7	SL
SD 102-SL	10.0	0.25 (6.35)	7	SL
SD 152-SL	15.0	0.25 (6.35)	7	SL
SD 202-SL	20.0	0.25 (6.35)	7	SL
SD 202-FL	20.0	0.25 (6.35)	7	FL
SD 202-FS	20.0	0.25 (6.35)	4	FS
SD 252-FS	25.0	0.25 (6.35)	4	FS

STYLE	A	B	C
SL	0.72 (18.288)	0.81 (20.574)	1.00 (25.40)
FL	0.34 (8.636)	0.44 (11.176)	0.81 (20.574)
FS	0.34 (8.636)	0.44 (11.176)	0.63 (16.002)