

## SSG, PSS & SW / SNW Wedge

### Features

- Rectangular, lead metaniobate crystal
- Low damped for narrow bandwidth (SSG)
- Composite PZT crystal for wide bandwidth (PSS)
- Attached by screws to SN or SNW wedges
- AWS structural weld code style

### Frequent Applications

- Critical Welds
- General Welds

### Transducer Models

Product Code	Description	Frequency (MHz)	Crystal Diameter (inches)
<b>SSG (Gain)</b>			
SSG50502	2.25MHz 1/2" x 1/2" Shearwave BNC	2.25	1/2 x 1/2
SSG50505	5MHz 1/2" x 1/2" Shearwave BNC	5	1/2 x 1/2
SSG50102	2.25MHz 1/2" x 1" Shearwave BNC	2.25	1/2 x 1
SSG50105	5MHz 1/2" x 1" Shearwave BNC	5	1/2 x 1
SSG62622	2.25MHz 5/8" x 5/8" Shearwave BNC	2.25	5/8 x 5/8
SSG62625	5MHz 5/8" x 5/8" Shearwave BNC	5	5/8 x 5/8
SSG62752	2.25MHz 3/4" x 5/8" Shearwave BNC	2.25	5/8 x 3/4
SSG62755	5MHz 3/4" x 5/8" Shearwave BNC	5	5/8 x 3/4
SSG75752	2.25MHz 3/4" x 3/4" Shearwave BNC	2.25	3/4 x 3/4
SSG75755	5MHz 3/4" x 3/4" Shearwave BNC	5	3/4 x 3/4
<b>PSS (Platinum)</b>			
PSS50502	2.25MHz 1/2" x 1/2" Shearwave BNC	2.25	1/2 x 1/2
PSS50505	5MHz 1/2" x 1/2" Shearwave BNC	5	1/2 x 1/2
PSS50102	2.25MHz 1/2" x 1" Shearwave BNC	2.25	1/2 x 1
PSS50105	5MHz 1/2" x 1" Shearwave BNC	5	1/2 x 1
PSS62622	2.25MHz 5/8" x 5/8" Shearwave BNC	2.25	5/8 x 5/8
PSS62625	5MHz 5/8" x 5/8" Shearwave BNC	5	5/8 x 5/8
PSS62752	2.25MHz 3/4" x 5/8" Shearwave BNC	2.25	5/8 x 3/4
PSS62755	5MHz 3/4" x 5/8" Shearwave BNC	5	5/8 x 3/4
PSS75752	2.25MHz 3/4" x 3/4" Shearwave BNC	2.25	3/4 x 3/4
PSS75755	5MHz 3/4" x 3/4" Shearwave BNC	5	3/4 x 3/4

## Standard Wedges

- Rectangular, lead zirconate titanate crystal
- Damped for bandwidth
- Attached by screws to SSG or PSS transducers. 4-40 threaded holes
- Axial and circumferential ID or OD profiling available
- High Temperature wedges available



Product Code	Description	θ (°)	a x b (inches)	A (inches)	B (inches)	C (inches)
SW5045	45° wedge for 1/2" x 1/2" Probe	45	1/2 x 1/2	0.5	0.5	0.7
SW5060	60° wedge for 1/2" x 1/2" Probe	60	1/2 x 1/2	0.5	0.5	0.7
SW5070	70° wedge for 1/2" x 1/2" Probe	70	1/2 x 1/2	0.5	0.5	0.7
SW5090	90° wedge for 1/2" x 1/2" Probe	90	1/2 x 1/2	0.5	0.5	0.7
SW5145	45° wedge for 1/2" x 1/2" Probe	45	1/2 x 1	0.5	1	0.7
SW5160	60° wedge for 1/2" x 1/2" Probe	60	1/2 x 1	0.5	1	0.7
SW5170	70° wedge for 1/2" x 1/2" Probe	70	1/2 x 1	0.5	1	0.7
SW5190	90° wedge for 1/2" x 1/2" Probe	90	1/2 x 1	0.5	1	0.7
SW6245	45° wedge for 5/8" x 5/8" Probe	45	5/8 x 5/8	0.6	0.6	0.7
SW6260	60° wedge for 5/8" x 5/8" Probe	60	5/8 x 5/8	0.6	0.6	0.7
SW6270	70° wedge for 5/8" x 5/8" Probe	70	5/8 x 5/8	0.6	0.6	0.7
SW6290	90° wedge for 5/8" x 5/8" Probe	90	5/8 x 5/8	0.6	0.6	0.7

## Snail Wedges

- Attached by screws to SSG or PSS transducers
- Axial and circumferential ID or OD profiling available
- AWS structural weld code style



NB: 5/8 x 5/8 SW, SW-HT and SNW wedges are also compatible with X5 (X Series) phased array probes.

Product Code	Description	θ (°)	a x b (inches)	A (inches)	B (inches)	C (inches)
SNW6245	45° wedge for 5/8" x 5/8" Probe	45	5/8 x 5/8	0.6	0.6	0.7
SNW6260	60° wedge for 5/8" x 5/8" Probe	60	5/8 x 5/8	0.6	0.6	0.7
SNW6270	70° wedge for 5/8" x 5/8" Probe	70	5/8 x 5/8	0.6	0.6	0.7

Size Options				Connector	
Probe Size	Case Dimensions			Type	Position
Ø (inches)	A (inches)	B (inches)	C (inches)	BNC (B)	Top
1/2 x 1/2	0.8	1.1	0.7	x	x
1/2 x 1	0.8	1.6	0.7	x	x
5/8 x 5/8	0.9	1.3	0.7	x	x
3/4 x 5/8	0.9	1.3	0.7	x	x
3/4 x 3/4	1	1.3	0.7	x	x