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SensorScan®

EPRI Table 1 Qualified Transducers

Please Note: These tables are informational only and are not to be used to select equipment for examinations. Only the actual qualified procedure and its accompanying Table 1 shall be used for examinations.

SNI Document Control Date: March 1, 2021

Contents:

Reactor Pressure Vessels & Bolting

Manufacturer:	Epoch 650 Olympus	**Procedure:** **Material:**	PDI-UT-2 Ferritic Bolting	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5

Instrument:	Epoch 600	**Procedure:**	PDI-UT-2	
Manufacturer:	Olympus	**Material:**	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	70	Shear	0.25	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010217	45	Shear	0.375	1.5

Instrument:	Epoch 650	**Procedure:**	PDI-UT-2	
Manufacturer:	Olympus	**Material:**	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010130	45	Shear	0.5	5
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5

Instrument:	USN 60 SW	**Procedure:**	PDI-UT-2	
Manufacturer:	GEIT	**Material:**	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010036	45	Longitudinal	2 (10x18) mm	2
00-010062	60	Longitudinal	2 (15x25) mm	2
00-010063	70	Longitudinal	2 (15x25) mm	2
00-010065	60	Longitudinal	2 (20x34) mm	2
00-010066	70	Longitudinal	2 (20x34) mm	2

Instrument:	Epoch 600	**Procedure:**	PDI-UT-2	
Manufacturer:	Olympus	**Material:**	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010217	45	Shear	0.375	1.5

Instrument:	Epoch 650	**Procedure:**	PDI-UT-2	
Manufacturer:	Olympus	**Material:**	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5

Instrument:	USN 60 SW	**Procedure:**	PDI-UT-4	
Manufacturer:	GEIT	**Material:**	Ferritic Bolting	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010114	70	Shear	.437 x .700"	5
00-010114	85	Longitudinal	2(.160 x .630")	5
00-010115	70	Shear	.375 x .500"	2.25
00-010115	85	Longitudinal	2(.118 x .472")	5
00-010116	70	Shear	.500 x .750"	5
00-010116	85	Longitudinal	2(.200 x .400")	5

Instrument:	Epoch 650	**Procedure:**	PDI-UT-5	
Manufacturer:	Olympus	**Material:**	Ferritic Bolting	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010908	0	Longitudinal	0.5	10

Instrument:	USN 60 SW	**Procedure:**	PDI-UT-5	
Manufacturer:	GEIT	**Material:**	Ferritic Bolting	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010908	0	Longitudinal	0.5	10

Instrument:	USN 60 SW ND A18	**Procedure:**	PDI-UT-5	
Manufacturer:	GEIT	**Material:**	Ferritic Bolting	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010908	0	Longitudinal	0.5	10

Piping

Instrument:	Epoch 650	**Procedure:**	PDI-UT-1	
Manufacturer:	Olympus	**Material:**	Ferritic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010130	60	Shear	0.5	5
00-010130	70	Shear	0.5	5
00-010450	45	Shear	.5 x 1.0	2.25
00-010450	60	Shear	.5 x 1.0	2.25
00-010450	70	Shear	.5 x 1.0	2.25

Instrument:	USM 36 SW	**Procedure:**	PDI-UT-1	
Manufacturer:	GEIT	**Material:**	Ferritic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010130	60	Shear	0.5	5
00-010130	70	Shear	0.5	5

Instrument:	USN 60 ND A18	**Procedure:**	PDI-UT-1	
Manufacturer:	GEIT	**Material:**	Ferritic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010130	60	Shear	0.5	5
00-010130	70	Shear	0.5	5
00-010450	45	Shear	.5 x 1.0	2.25
00-010450	60	Shear	.5 x 1.0	2.25
00-010450	70	Shear	.5 x 1.0	2.25

Instrument:	USN 60 SW	**Procedure:**	PDI-UT-1	
Manufacturer:	GEIT	**Material:**	Ferritic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010130	60	Shear	0.5	5
00-010130	70	Shear	0.5	5

Instrument:	Epoch 600	**Procedure:**	PDI-UT-2	
Manufacturer:	Olympus	**Material:**	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010065	60	Longitudinal	2(20 x 34) mm	2
00-010066	70	Longitudinal	2(20 x 34) mm	2
00-010122	70	Shear	0.25	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010144	70	Longitudinal	2(24 x 42) mm	1.5
00-010217	45	Shear	0.375	1.5
00-011567	70	Longitudinal	2(10 x 18) mm	2
00-011569	60	Longitudinal	2(20 x 34) mm	1.5
00-011570	70	Longitudinal	2(20 x 34) mm	1.5

Instrument:	Epoch 650	**Procedure:**	PDI-UT-2	
Manufacturer:	Olympus	**Material:**	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010068	60	Longitudinal	2(24 x 42) mm	2
00-010069	70	Longitudinal	2(24 x 42) mm	2
00-010098	60	Longitudinal	2(8 x 14) mm	2
00-010099	70	Longitudinal	2(8 x 14) mm	2
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	3.75	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010130	45	Shear	0.5	5
00-010141	70	Longitudinal	2(7 X 10) mm	2
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5
00-010450	45	Shear	.5 X 1.0	2.25
00-010450	60	Shear	.5 X 1.0	2.25
00-010450	70	Shear	.5 X 1.0	2.25
00-011563	60	Longitudinal	2(8 x 14) mm	1.5
00-011564	70	Longitudinal	2(8 x 14) mm	1.5

Instrument:	USM 36 SW	Procedure:	PDI-UT-2	
Manufacturer:	GEIT	Material:	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010064	70	Longitudinal	2(24 x 42) mm	2
00-010068	60	Longitudinal	2(24 x 42) mm	2
00-010098	60	Longitudinal	2(8 x 14) mm	2
00-010143	60	Longitudinal	2(24 x 42) mm	1.5
00-010144	70	Longitudinal	2(24 x 42) mm	1.5
00-011564	70	Longitudinal	2(8 x 14) mm	1.5
00-011566	60	Longitudinal	2(10 x 18) mm	2
00-011567	70	Longitudinal	2(24 x 42) mm	2

Instrument:	USN 60 ND A18	Procedure:	PDI-UT-2	
Manufacturer:	GEIT	Material:	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	60	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010130	60	Shear	0.5	5
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5
00-010217	70	Shear	0.375	1.5
00-010450	45	Shear	.5 x 1.0	2.25
00-010450	60	Shear	.5 x 1.0	2.25
00-010450	70	Shear	.5 x 1.0	2.25

Instrument:	USN 60 SW	Procedure:	PDI-UT-2	
Manufacturer:	GEIT	Material:	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010063	70	Longitudinal	2(15 x 25) mm	2
00-010065	60	Longitudinal	2(20 x 34) mm	2
00-010066	70	Longitudinal	2(20 x 34) mm	2
00-011099	70	Longitudinal	2(8 x 14) mm	2
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-012123	60	Shear	0.375	2.25
00-012123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010128	70	Shear	0.25	5
00-010144	70	Longitudinal	2(24 x 42) mm	1.5
00-010216	45	Shear	0.25	1.5
00-010216	60	Shear	0.25	1.5
00-010216	70	Shear	0.25	1.5
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5
00-010217	70	Shear	0.375	1.5
00-011493	40	Shear	.5 x 1	1.5
00-011493	45	Shear	.5 x 1	1.5
00-011493	51	Shear	.5 x 1	1.5
00-011493	60	Shear	.5 x 1	1.5
00-011493	65	Shear	.5 x 1	1.5
00-011563	60	Longitudinal	2(8 x 14) mm	1.5
00-011564	70	Longitudinal	2(8 x 14) mm	1.5

Instrument:	Epoch 600	Procedure:	PDI-UT-2	
Manufacturer:	Olympus	Material:	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010217	45	Shear	0.375	1.5
00-011572	70	Longitudinal	2(15 x 25) mm	1.5

Instrument:	Epoch 650	Procedure:	PDI-UT-2	
Manufacturer:	Olympus	Material:	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5

Instrument:	USM 36 SW	Procedure:	PDI-UT-2	
Manufacturer:	GEIT	Material:	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-011572	70	Longitudinal	2(15 x 25) mm	1.5

Instrument:	USN 60 SW	Procedure:	PDI-UT-2	
Manufacturer:	GEIT	Material:	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010217	45	Shear	0.375	1.5
00-011571	60	Longitudinal	2(15 x 25) mm	1.5

Instrument:	USN 60 ND A18	Procedure:	PDI-UT-3	
Manufacturer:	GEIT	Material:	Ferritic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010130	60	Shear	0.5	5
00-010130	70	Shear	0.5	5

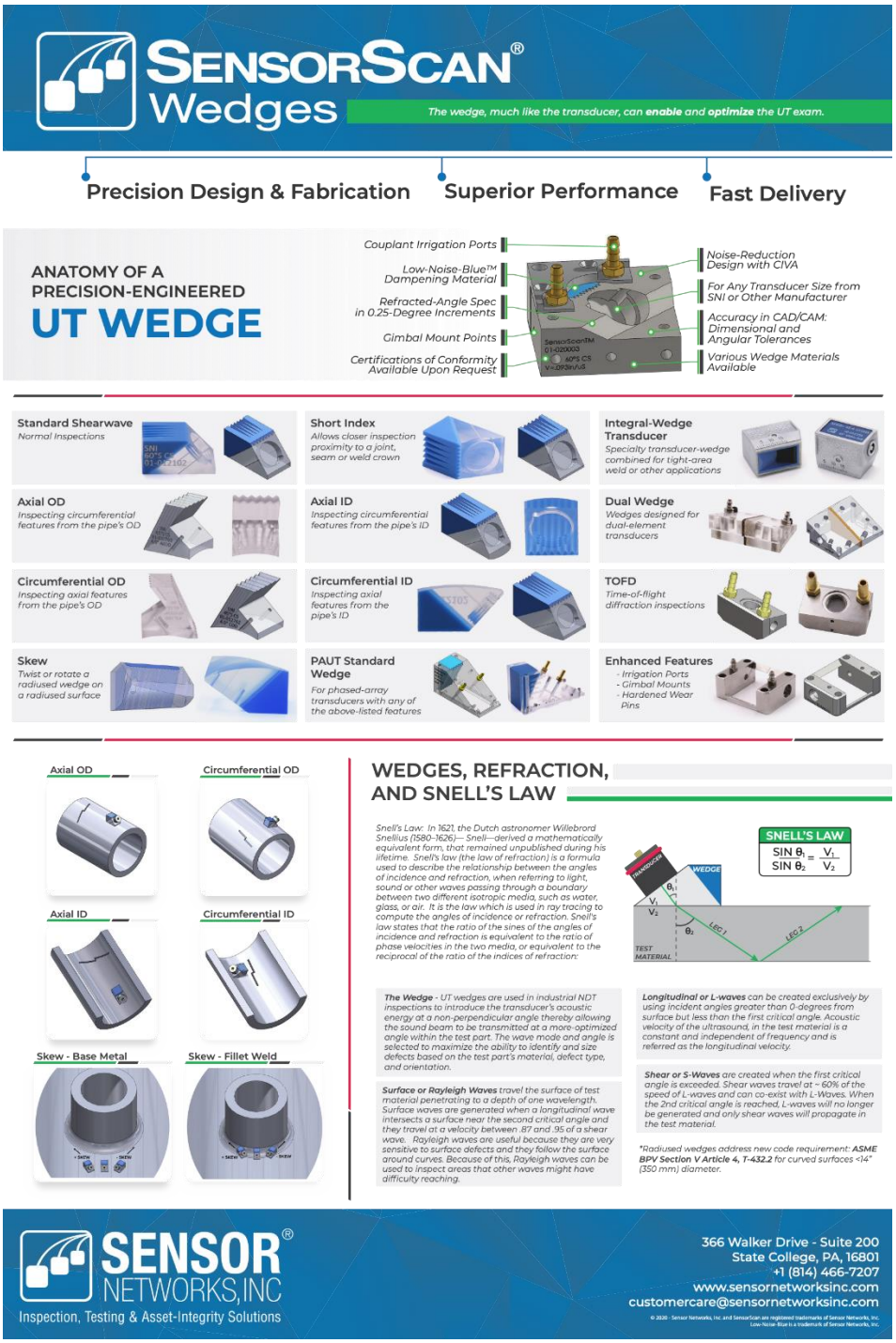
Instrument:	USN 60 ND A18	**Procedure:**	PDI-UT-3	
Manufacturer:	GEIT	**Material:**	Austenitic Piping	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010122	70	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010124	45	Shear	0.5	2.25
00-010124	60	Shear	0.5	2.25
00-010124	70	Shear	0.5	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010128	70	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5
00-010130	45	Shear	0.5	5
00-010130	60	Shear	0.5	5
00-010130	70	Shear	0.5	5
00-010216	45	Shear	0.25	1.5
00-010216	60	Shear	0.25	1.5
00-010216	70	Shear	0.25	1.5
00-010217	45	Shear	0.375	1.5
00-010217	60	Shear	0.375	1.5
00-010217	70	Shear	0.375	1.5

Instrument:	USN 60 ND A18	**Procedure:**	PDI-UT-3	
Manufacturer:	GEIT	**Material:**	Austenitic Piping with IGSCC	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010122	45	Shear	0.25	2.25
00-010122	60	Shear	0.25	2.25
00-010123	45	Shear	0.375	2.25
00-010123	60	Shear	0.375	2.25
00-010123	70	Shear	0.375	2.25
00-010128	45	Shear	0.25	5
00-010128	60	Shear	0.25	5
00-010129	45	Shear	0.375	5
00-010129	60	Shear	0.375	5
00-010129	70	Shear	0.375	5

Instrument:	USN 60 SW	Procedure:	PDI-UT-10	
Manufacturer:	GEIT	Material:	Dissimilar Metal Welds	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010036	45	Longitudinal	2(10 x 18) mm	2
00-010037	60	Longitudinal	2(10 x 18) mm	2
00-010044	40	Longitudinal	2(7 x 10) mm	2
00-010045	40	Longitudinal	2(8 x 14) mm	2
00-010046	45	Longitudinal	2(8 x 14) mm	2
00-010073	27	Longitudinal	2(10 x 18) mm	1.5
00-010061	45	Longitudinal	2(15 x 25) mm	2
00-010062	60	Longitudinal	2(15 x 25) mm	2
00-010089	40	Longitudinal	2(15 x 25) mm	2
00-010090	55	Longitudinal	2(15 x 25) mm	2
00-010091	50	Longitudinal	2(15 x 25) mm	2
00-010093	36	Longitudinal	2(10 x 18) mm	2
00-010094	36	Longitudinal	2(15 x 25) mm	1.5
00-010095	51	Longitudinal	2(15 x 25) mm	2
00-010096	58	Longitudinal	2(15 x 25) mm	2
00-010097	73	Longitudinal	2(15 x 25) mm	2
00-010098	60	Longitudinal	2(8 x 14) mm	2
00-010099	70	Longitudinal	2(8 x 14) mm	2
00-010100	45	Longitudinal	2(8 x 14) mm	2
00-010122	33	Shear	0.25	2.25
00-011242	50	Longitudinal	2(15 x 25) mm	2
00-011243	65	Longitudinal	2(15 x 25) mm	2
00-011244	45	Longitudinal	2(15 x 25) mm	1.5
00-011522/00-011254	36	Longitudinal	2(25 x 25) mm	1
00-011522/00-011255	36	Longitudinal	2(25 x 25) mm	1
00-011575	35	Longitudinal	2(8 x 14) mm	2
00-011576	33	Longitudinal	2(10 x 18) mm	2
00-011621	36	Longitudinal	2(20 x 34) mm	1
00-011624	65	Longitudinal	2(15 x 25) mm	2
00-011625	40	Longitudinal	2(15 x 25) mm	1.5

Instrument:	USN 60 SW	Procedure:	PDI-UT-10	
Manufacturer:	GEIT	Material:	Dissimilar Metal Welds	
SNI Part Number	Angle °	Mode	Size (inches)	Nominal Frequency (MHz)
00-010036	45	Longitudinal	2 (10x18) mm	2
00-010037	60	Longitudinal	2 (10x18) mm	2
00-010044	40	Longitudinal	2 (7x10) mm	2
00-010045	40	Longitudinal	2 (8x14) mm	2
00-010046	45	Longitudinal	2 (8x14) mm	2
00-010073	27	Longitudinal	2 (10x18) mm	1.5

Please see www.utcatalog.com for SNI's latest catalog including wedge part numbers and dimensions.



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