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	Order Code (Part ##)
nased Array Modality: Drill Rod - sversal Cracks and other Surface	SWA 3510032
maging - Cross Sectional Along the Rod /	
e with Probe Placed on the Outer Side	
n Forming View	
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X1.0 X1	X2 X3
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Inspection of the Drill Rod for the Transversal Cracks – Scanning from the End Side





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Inspection SW Application for ISONIC 2009 UPA-Scope - Phased Array Modality: SWA 909832 Drill Rod - Inspection of the Drill Rod Head for the Transversal Cracks and other Surface Defects SWA 909832 True-To-Geometry Shaft Overlay Volume Corrected Imaging - Cross Sectional Along the Rod / Unfolded C-Scan / 3D Sector-Scan Cross Sectional Along the Rod Coverage with Probe Placed on the Outer Side Surface Intuitive Image Guided PA Pulser Receiver with Beam Forming View DAC / TCG Normalization Built-In Database fo Rod Selection Ray Tracer - Scanning Pattern Design Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction Encoded and Time based Unfolded C-Scan 100% Raw Data Capturing Automatic Defects Alarming Upon C-Scan Acquisition Completed Automatic Creation of Editable Defects List Comprehensive Postprocessing Including: Recovery of Cross Sectional Along the Shaft Views from the Recorded C-Scans Converting Recorded C-Scans or their Segments into 3D Images Off-Line Gain Manipulation Off-Line Gain Manipulation Mumerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc) Defects Sizing Creation of Defect List and Storing it Into a Separate File Automatic creating of inspection reports - hard copy / PDF File 	Item	Order Code (Part ##)
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→ Automatic creating of inspection reports - hard copy / PDF File	→ Creation of Defect List and Storing it Into a Separate File	
	→ Automatic creating of inspection reports - hard copy / PDF File	

Gain 48.5 dB ON

40 m

60

100.2 mm

34.38 µs

40

20

	Coloring Pseudo2 Flank V Normaliz	e To DAC	Thickness Measurements Width Measurements Filtering OFF
nplitude	VC(A)	Angle	x1.0 x1 x2 x3
i3.4%	4.5 dB	9.0°	40 160 180 20

	ltem	Order Code (Part ##)			
	Inspection SW Application for ISONIC 2010 / ISONIC 2010 EL - Phased Array Modality: Drill Rod - Inspection of the Drill Rod Head for the Transversal Cracks and other Surface Defects				
	⇒ True-To-Geometry Shaft Overlay Volume Corrected Imaging - Cross Sectional Along the Rod / Unfolded C-Scan / 3D				
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ISONIC 2009 File View E ** + + +	/2010 Drill Rod Scan Files - 19-1.opb dit Measurements + + + + + + + + + + + + + + + + + + +				
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Sound Path 101.4 mm	TOF Depth Amplitude VC(A) Angle Zoom 34.38 μs 100.2 mm 83.4% 4.5 dB 9.0° X1.0 X1 X2	X3			
	20 40 60 80 <mark>85.1</mark> 100 120 140 160 180	20			
20					
40					
60					
-					









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