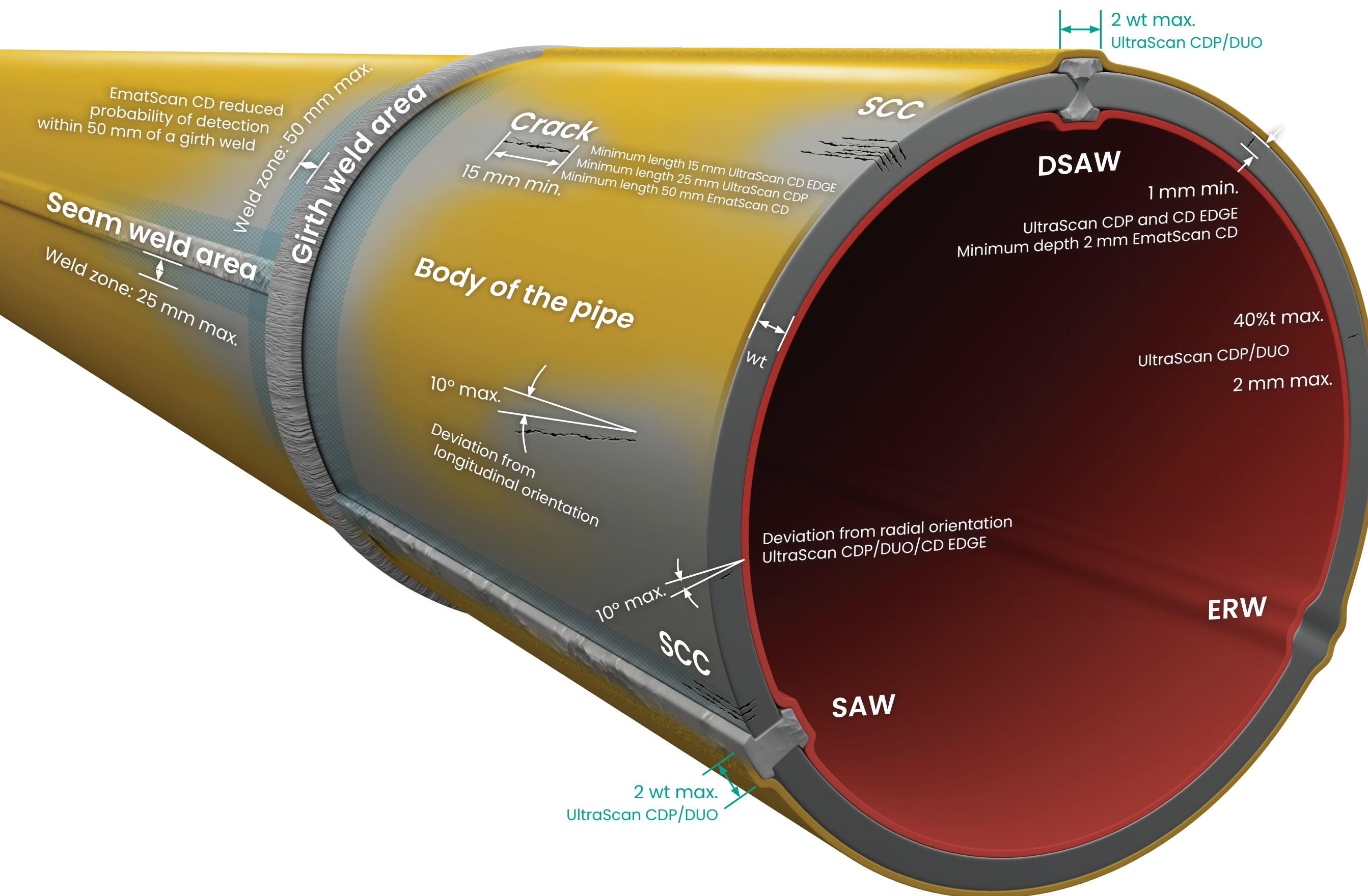





Crack capabilities overview



	Body of the pipe		Seam weld area	
	Crack	SCC	Crack	SCC
UltraScan CD EDGE				
Detection of crack colonies, crack-like, notch-like defects with axial orientation POD ≥ 90%	15 mm length x 1 mm depth (0.6 in. length x 0.04 in. depth)			
POI	90%			
Tool speed range	0 to 2.5 m/s (0 to 5.5 mph)			
Wall thickness range	5 mm to 10 mm (0.2 in. to 0.4 in.) (thicker wall on request)			
Depth sizing Tol 80% certainty	± 0.7 mm (± 0.027 in.)†	± 1.0 mm (± 0.039 in.)		
Length sizing Tol 80% certainty	± 7.5 mm (± 0.3 in.)			
Confidence	95%			
UltraScan CDP/DO*				
Detection of crack colonies, crack-like, notch-like defects with axial orientation POD ≥ 90%	25 mm length x 1 mm depth (1.0 in. length x 0.04 in. depth)**			
POI	90%			
Tool speed range	0 to 5 m/s (0 to 11.2 mph)			
Wall thickness range	5 mm to 13 mm (0.2 in. to 0.51 in.) (thicker wall on request)			
Depth sizing Tol 80% certainty	± 0.7 mm (± 0.027 in.)	± 0.9 mm (± 0.035 in.)		
Length sizing Tol 80% certainty	± 7.5 mm (± 0.3 in.)			
Confidence	95%			
EmatScan CD				
Detection of crack colonies, crack-like, notch-like defects with axial orientation POD ≥ 90%	50 mm length x 2 mm depth (1.97 in. length x 0.079 in. depth)			
POI	80%			
Tool speed range	0 to 2.5 m/s (0 to 5.5 mph)			
Wall thickness range	7 mm to 13 mm (0.28 in. to 0.51 in.) (thicker wall on request)			
Depth sizing Tol 80% certainty	± 1.1 mm (± 0.04 in.)			
Length sizing Tol 80% certainty	± 10 mm (± 0.39 in.)			
Confidence	95%			

† For ≥ 25 mm (1.0 in.) length and ± 1 mm (0.04 in.) for 15 mm to < 25 mm (0.6 in. to < 1.0 in.) length x 1 mm (0.04 in.) depth. Tools not to scale
 * UltraScan DUO operates at slower speed, but is delivering the additional advantages of flexible firing and industries highest circumferential resolution. Tighter depth sizing tolerances on request.
 ** Shorter defect length on request.

Our technology enables us to detect over 20 different types of cracks. Please contact us for further information and to discuss your specific requirements.