

Fitness-for-Service Toolbox

Product Functionality Fact Sheet	Fitness-for-Service Toolbox	
API 579-1/ASME FFS Level 1 and 2 Assessments	Level 1	Level 2
Brittle Fracture	Yes	Yes
General Metal Loss	Yes	Yes*
Local Metal Loss	Yes	Yes*
Pitting Corrosion	Yes	
Hydrogen Blisters, HIC	Yes	Yes*
Weld Misalignment		
Crack-like Flaws	Yes	
Creep Damage	Yes	
Dents and Gouges	Yes	
Laminations	Yes	
Additional Assessments		
ASME B31G calculations for pipelines		Yes
Previous API 579 January 2000 RP methodologies		Yes
BS-7910 Fracture and Fatigue assessments		
FitNet assessments		
Complete and Authoritative		
Includes all applicable API 579 Example problems		33
Developed by principal author of API 579		Yes
Easy to Learn and Use		
Intuitive, up-to-date Windows software Wizard guides you through the calculations		Yes
Integrated Help covering background and applicability		Yes
Plain-English explanations of all calculation inputs		Yes
Interactive 3D contour plots of thickness grids		Yes
Customizable report templates		Yes
Integrated Materials Database		
ASME Section II material specifications		Yes
B31.3, B31.4, and B31.8 material specifications		Yes
ASME Design Codes and Calculations		
Rerating and Design Calculations		Yes*
ASME Section VIII Division 1		Yes*
ASME Section VIII Division 2		Yes*
User-specified design codes		Yes
Multiple Unit Systems (SI, US)		Yes

** Type A components only without supplemental loads and structural discontinuities*