

M&M Engineering's Boiler Tube Failure Handbook



Crack—In or near weld or attachment—Transverse



Locations	Superheater
Boiler Type	Power
Industry	Electric Utility

Appearance	Complete weld separation
Mechanism	Dissimilar metal weld failure (DMW)
Comments	Dissimilar metals with different coefficients of expansion, such as the stainless steel filler and the low-alloy base material result in long-term creep damage accumulation

