

Steel Cylinder

General Corrosion

Greater than 20% of the internal or external surface area

Isolated pitting

Known Wall thickness

Must not exceed 1/3 of the min.
allowable design thickness

Unknown Wall thickness

0.04 inches/1mm rule of thumb

Aluminum Cylinder

General Corrosion

Known Wall thickness

No greater than 15% of wall thickness

Unknown Wall thickness

.031" / .78mm – max allowed

Isolated pitting

Known Wall thickness

30% min. design wall thickness

Unknown Wall thickness

.062" / 1.5mm - max allowed

Line Corrosion

Maximum Length of 6 inches / 15.2CM

Known Wall thickness

max damage depth 15%

Unknown Wall thickness

.031" / .78mm - max allowed

Composite Cylinder

Composite cylinders with an aluminum liner will follow the requirements for all aluminum cylinders.