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NOMENCLATURE

A^0	original cross-section	Missing metal zone, mm ²
M		Follia's factor
Pse		Service pressure, bar
L		Default length, mm.
d		Depth of the defect, mm
t		Thickness, mm
S_F		Hoop stress at failure, MPa
Pfp		Pipeline failure pressure, Bar
Dext		Outside diameter of the tube, mm
Pult		Ultimate pressure, bar
Re		Elastic limit, MPa

Greek symbols

β	Reliability index
σ_{ultim}	Maximum stress of the material, MPa
ε	True strain, %

Subscripts

API	American Petroleum Institute
B31G	Mechanical model of the ultimate pressure calculation
STT	Tube treatment station