0.1 title : KM-620 Nomenclature

1 Mandatory Appendix 1

A_1 = curve fitting constant for the elastic region of the stress-strain curve (KM-620)

A_2 = curve fitting constant for the plastic region of the stress-strain curve (KM-620)

E_y = modulus of elasticity evaluated at the temperature of interest, see ASME Section II Part D

El = minimum specified elongation, %

H = undefined

K = undefined

m_1 = undefined

m_2 = value calculated from Table KM-620

m_3 = value calculated from Table KM-620

m_4 = value calculated from Table KM-620

m_5 = value listed in Table KM-620

R = Sy/Su

RA = minimum specified reduction of area, %

γ_1 = true strain in the micro-strain region of the stress-strain curve (KM-620)

γ_2 = true strain in the macro-strain region of the stress-strain curve (KM-620)

ϵ_p = stress-strain curve fitting parameter (KM-620)

ϵ_{ts} = true total strain (KM-620)

ϵ_{ys} = 0.2% engineering offset strain (KM-620)

ϵ_1 = true plastic strain in the micro-strain region of the stress-strain curve (KM-620)

ϵ_2 = true plastic strain in the macro-strain region of the stress-strain curve (KM-620)

σ_t = true stress at which the true strain will be evaluated (KM-620)

σ_{uts} = engineering ultimate tensile stress evaluated at the temperature of interest (KM-620)

σ_{ys} = engineering yield stress evaluated at the temperature of interest (KM-620)

σ_{utst} = true ultimate tensile stress evaluated at the true ultimate tensile strain