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## 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

$R$  =  $S_y/S_u$

$RA$  = minimum specified reduction of area, %

$\gamma_1$  = true strain in the micro-strain region of the stress-strain curve (KM-620)

$\gamma_2$  = true strain in the macro-strain region of the stress-strain curve (KM-620)

$\epsilon_p$  = stress-strain curve fitting parameter (KM-620)

$\epsilon_{ts}$  = true total strain (KM-620)

$\epsilon_{ys}$  = 0.2% engineering offset strain (KM-620)

$\epsilon_1$  = true plastic strain in the micro-strain region of the stress-strain curve (KM-620)

$\epsilon_2$  = true plastic strain in the macro-strain region of the stress-strain curve (KM-620)

$\sigma_t$  = true stress at which the true strain will be evaluated (KM-620)

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

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

$\sigma_{utst}$  = true ultimate tensile stress evaluated at the true ultimate tensile strain