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## 0.1 title : KD-232 Nomenclature

$\epsilon_{peq}$  = total equivalent plastic strain

$e = 2.7183$ , approximate value of the base of the natural logarithm

$El$  = minimum specified elongation, %

$\epsilon_{Lk}$  = maximum permitted local total equivalent plastic strain at any point at the  $k$ th load increment

$\epsilon_{Lu}$  = maximum of  $m_2$ ,  $m_3$ , and  $m_4$

$m_2$  = 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, %

$\sigma_{1k}$  = principal stress in the "1" direction at the point of interest for the  $k$ th load increment

$\sigma_{2k}$  = principal stress in the "2" direction at the point of interest for the  $k$ th load increment

$\sigma_{3k}$  = principal stress in the "3" direction at the point of interest for the  $k$ th load increment

$\sigma_{ek}$  = equivalent stress at the point of interest

$S_y$  = yield strength at the analysis temperature (see Section II, Part D, Subpart 1, Table Y-1)

$S_u$  = tensile strength at the analysis temperature (see Section II, Part D, Subpart 1, Table U)

$D_{\epsilon k}$  = strain limit damage for the  $k$ th loading condition

$\Delta\epsilon_{peqk}$  = equivalent plastic strain range for the  $k$ th loading condition or cycle

$\Delta\epsilon_{p11k}$  = plastic strain range in the "11" direction for the  $k$ th loading condition or cycle

$\Delta\epsilon_{p22k}$  = plastic strain range in the "22" direction for the  $k$ th loading condition or cycle

$\Delta\epsilon_{p33k}$  = plastic strain range in the "33" direction for the  $k$ th loading condition or cycle

$\Delta\epsilon_{p12k}$  = plastic strain range in the "12" direction for the  $k$ th loading condition or cycle

$\Delta\epsilon_{p23k}$  = plastic strain range in the "23" direction for the  $k$ th loading condition or cycle

$\Delta\epsilon_{p31k}$  = plastic strain range in the "31" direction for the  $k$ th loading condition or cycle

$D_{\epsilon form}$  = damage occurring during forming at the location in the component under consideration

$\epsilon_{cf}$  = forming strain at the location in the component under consideration