

## NOMENCLATURE

$a_1, a_2, a_3$	. . . . .	displacement coefficients defined in two-dimensional analysis, in, in, dimensionless
$a_5, a_6$	. . . . .	displacement coefficients defined in one-dimensional analysis, in, dimensionless
$a_7$	. . . . .	displacement coefficient defined in rigid-anvil analysis, dimensionless
$b$	. . . . .	characteristic measure of wafer material strain hardening, psi
$D$	. . . . .	initial wafer diameter, in
$\dot{E}'$	. . . . .	deviator strain rate tensor, $\text{sec}^{-1}$
$E''$	. . . . .	spherical strain tensor, in/in
$f$	. . . . .	coefficient of friction
$F$	. . . . .	applied compressive force, lbs
$G$	. . . . .	shearing modulus of wafer material, psi
$2h_c$	. . . . .	wafer height measured along axis of revolution, in
$2h_o$	. . . . .	original wafer centerline height, in
$H$	. . . . .	initial wafer height, in
$n$	. . . . .	characteristic curvature of plastic strain hardening of wafer material in one-dimensional analysis
$P_1$	. . . . .	constraining pressure attributed to radial constraints, psi
$P_c$	. . . . .	constraining pressure at mid-meridian plane, psi
$r, \theta, z$	. . . . .	radial, circumferential, and tangential coordinates, in, rad, in
$R_o$	. . . . .	initial wafer radius, in
$R$	. . . . .	current wafer radius, in