Table 61 Summary of the maximum effective stress in each segment of the optimized **imperfect unstiffened** equivalent ellipsoidal shell at the design external pressure, p = 460 psi. Critical and near-critical stresses are in bold face. **These are BIGBOSOR4 predictions.**

*** Start nonlinear axisymmetric stress, +(mode 1) imperfection

skin maximum effective stress, SKNMAX= 8.4639E+04 Segment 1, point 13
skin maximum effective stress, SKNMAX= 8.4689E+04 Segment 2, point 1
skin maximum effective stress, SKNMAX= 5.0562E+04 Segment 3, point 13
skin maximum effective stress, SKNMAX= 6.9915E+04 Segment 4, point 9
skin maximum effective stress, SKNMAX= 6.8820E+04 Segment 5, point 13
skin maximum effective stress, SKNMAX= 7.2935E+04 Segment 6, point 4
skin maximum effective stress, SKNMAX= 1.1744E+05 Segment 7, point 13
skin maximum effective stress, SKNMAX= 1.1717E+05 Segment 8, point 1
skin maximum effective stress, SKNMAX= 1.0913E+05 Segment 9, point 13
skin maximum effective stress, SKNMAX= 1.1109E+05 Segment 10, point 2
skin maximum effective stress, SKNMAX= 9.7721E+04 Segment 11, point 13
skin maximum effective stress, SKNMAX= 1.1060E+05 Segment 12, point 13

*** Start nonlinear axisymmetric stress, +(mode 2) imperfection

skin maximum effective stress, SKNMAX= 1.1616E+05 Segment 1, point 13
skin maximum effective stress, SKNMAX= 1.1597E+05 Segment 2, point 1
skin maximum effective stress, SKNMAX= 4.1245E+04 Segment 3, point 6
skin maximum effective stress, SKNMAX= 3.8978E+04 Segment 4, point 13
skin maximum effective stress, SKNMAX= 6.8779E+04 Segment 5, point 12
skin maximum effective stress, SKNMAX= 6.8023E+04 Segment 6, point 1
skin maximum effective stress, SKNMAX= 7.9459E+04 Segment 7, point 13
skin maximum effective stress, SKNMAX= 8.0095E+04 Segment 8, point 2
skin maximum effective stress, SKNMAX= 9.8293E+04 Segment 9, point 12
skin maximum effective stress, SKNMAX= 1.0155E+05 Segment 10, point 13
skin maximum effective stress, SKNMAX= 1.2321E+05 Segment 11, point 8
skin maximum effective stress, SKNMAX= 1.1701E+05 Segment 12, point 2

*** Start nonlinear axisymmetric stress, -(mode 1) imperfection

skin maximum effective stress, SKNMAX= 9.9351E+04 Segment 1, point 3
skin maximum effective stress, SKNMAX= 1.2284E+05 Segment 2, point 7
skin maximum effective stress, SKNMAX= 1.0332E+05 Segment 3, point 1
skin maximum effective stress, SKNMAX= 7.8775E+04 Segment 4, point 2
skin maximum effective stress, SKNMAX= 8.1835E+04 Segment 5, point 12
skin maximum effective stress, SKNMAX= 8.1480E+04 Segment 6, point 1
skin maximum effective stress, SKNMAX= 7.8896E+04 Segment 7, point 11
skin maximum effective stress, SKNMAX= 7.9666E+04 Segment 8, point 2
skin maximum effective stress, SKNMAX= 9.1857E+04 Segment 9, point 13
skin maximum effective stress, SKNMAX= 9.4487E+04 Segment 10, point 13
skin maximum effective stress, SKNMAX= 1.1525E+05 Segment 11, point 9
skin maximum effective stress, SKNMAX= 1.1397E+05 Segment 12, point 2

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 *** Start nonlinear axisymmetric stress, -(mode 2) imperfection
skin maximum effective stress, SKNMAX= 9.8606E+04 Segment  1, point  3
skin maximum effective stress, SKNMAX= 1.1130E+05 Segment  2, point  5
skin maximum effective stress, SKNMAX= 7.6464E+04 Segment  3, point  1
skin maximum effective stress, SKNMAX= 5.2960E+04 Segment  4, point 13
skin maximum effective stress, SKNMAX= 5.2945E+04 Segment  5, point  3
skin maximum effective stress, SKNMAX= 5.9945E+04 Segment  6, point  7
skin maximum effective stress, SKNMAX= 1.2185E+05 Segment  7, point 13
skin maximum effective stress, SKNMAX= 1.2153E+05 Segment  8, point  1
skin maximum effective stress, SKNMAX= 1.2119E+05 Segment  9, point 11
skin maximum effective stress, SKNMAX= 1.2262E+05 Segment 10, point  2
skin maximum effective stress, SKNMAX= 9.7493E+04 Segment 11, point 11
skin maximum effective stress, SKNMAX= 1.1480E+05 Segment 12, point 13
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NOTE: The maximum allowable effective stress is 120000 psi (in the *.BEG files).