

samples were tested on the Instron machine. The amount of force necessary to break the bolt handle was determined and then compared to previous test data. The following forces were required to break the bolt handle from the bolt body.

Sample No.	Force to break handle
1	254 lbs.
2	243 lbs.
3	244 lbs.
4	251 lbs.
5	240 lbs.

These results are in line with previous analysis and demonstrate that the brazed joint is not compromised by the smaller bolt body.

Conclusions:

Based on the analysis I would recommend approving a temporary deviation for Mayfield to accept bolts at the .688" minimum outside diameter.

Vince Norton,
Research Engineer