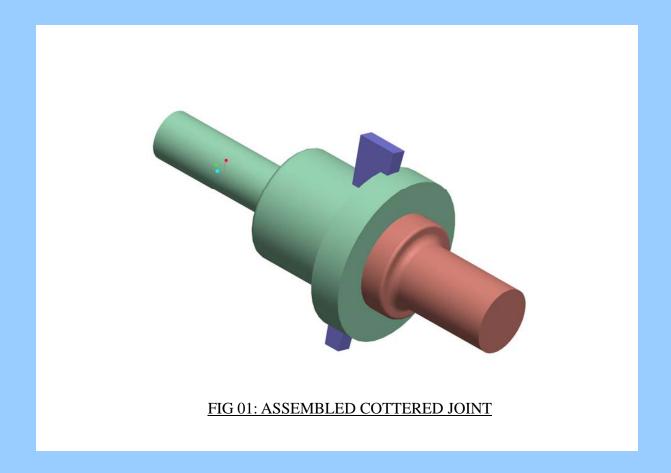
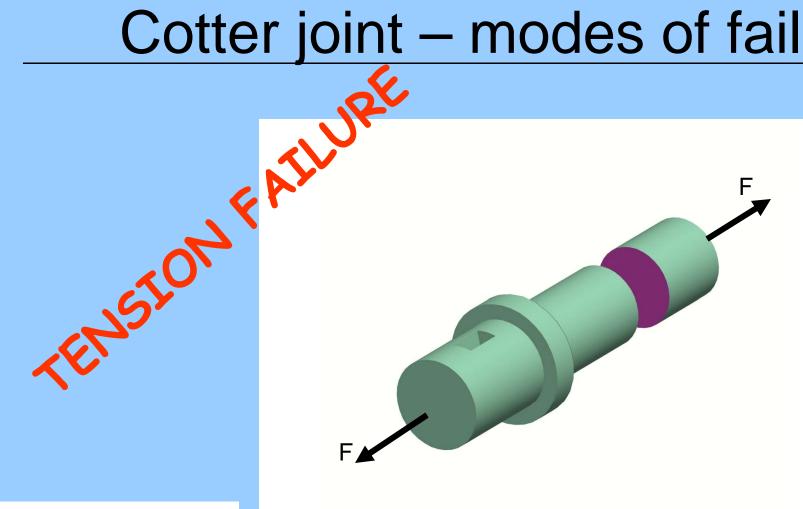
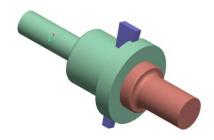
Cotter joint



Cotter joint – modes of failure







Cotter joint - modes of failure



FIG 02: STEEL SPIGOT BREAKING IN TENSION OUTSIDE THE JOINT

WROUGHT IRON ROD BREAKING IN TENSION
OUTSIDE THE JOINT

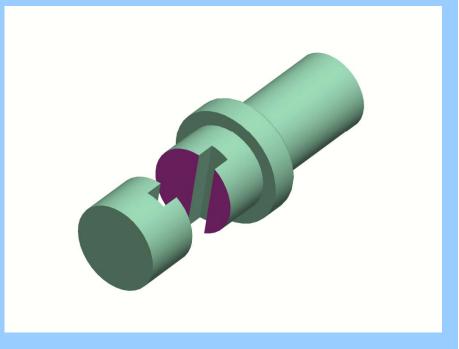
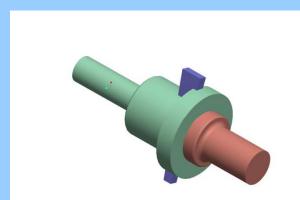


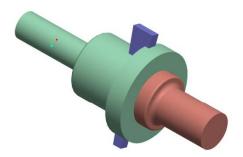
FIG 05: SPIGOT BREAKING IN TENSION
ACROSS SLOT



Cotter joint – modes of failure



FIG 07: SOCKET BREAKING IN TENSION ACROSS SLOT





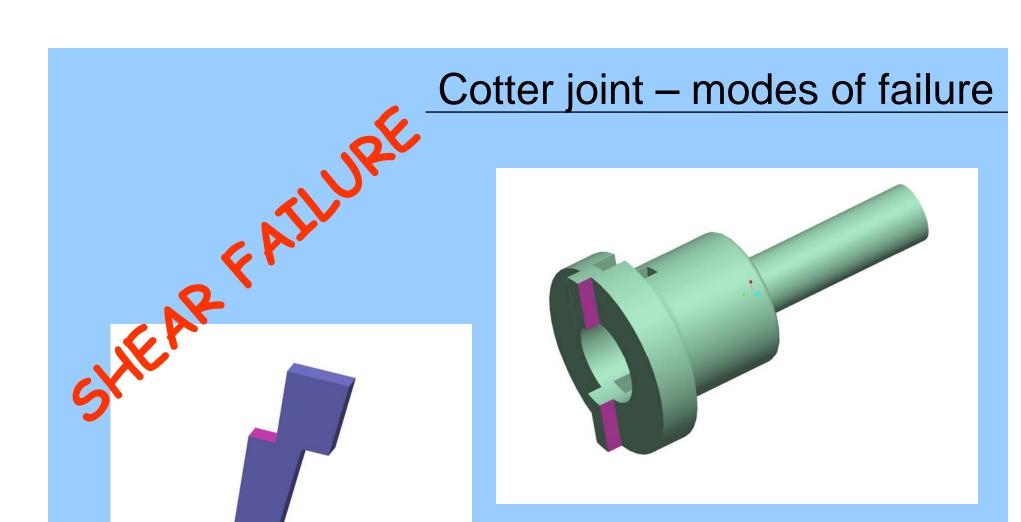


FIG 09: DOUBLE SHEARING OF SOCKET END

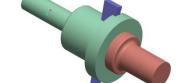


FIG 06: DOUBLE SHEARING OF COTTER PIN

Cotter joint - modes of failure



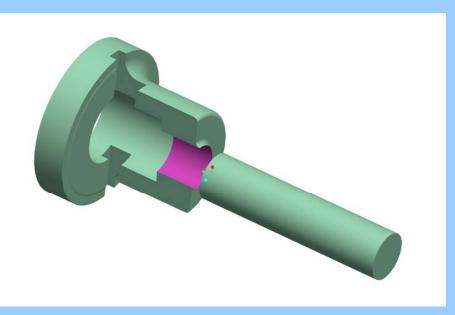
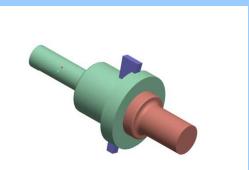


FIG 12: SHEARING AWAY OF SOCKET (IF $d_w < d_l$)



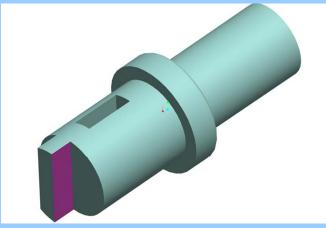
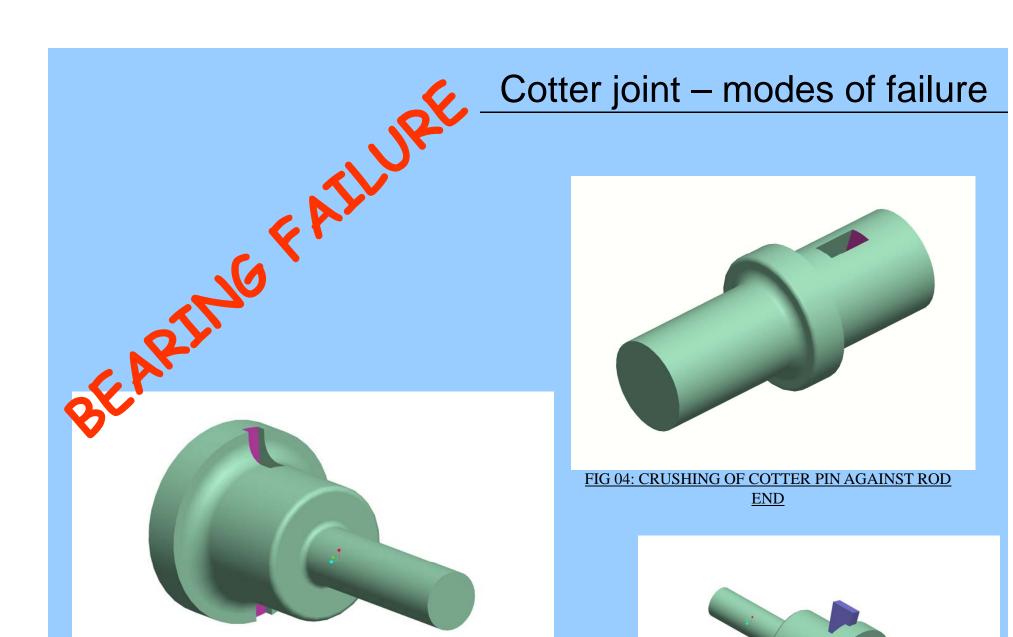


FIG 10: SHEARING OF SPIGOT END





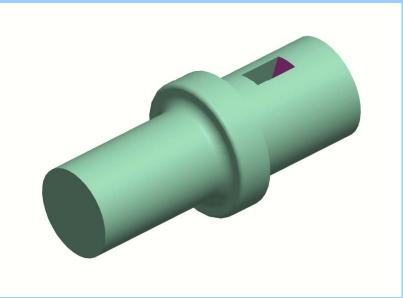


FIG 04: CRUSHING OF COTTER PIN AGAINST ROD **END**

