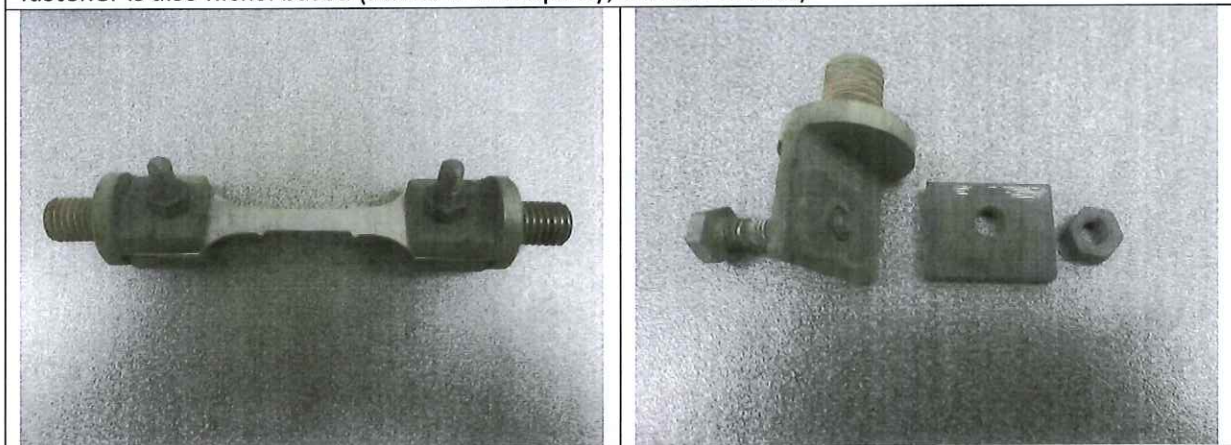
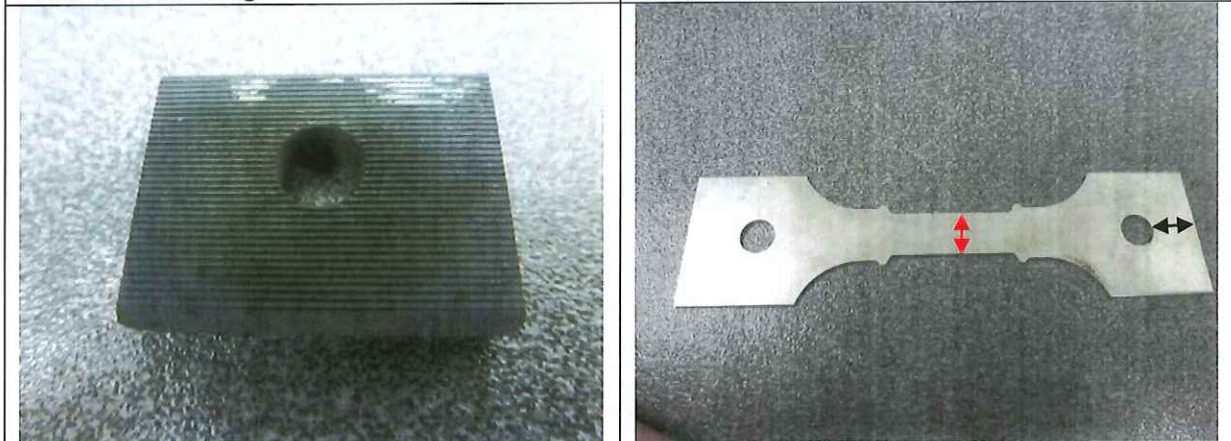


Full load train – pull bars and specimen fixtures are made from Rene 41 and Nimonic 115. The fastener is also nickel based (I think it is waspaloy, but can't recall)



Assembled fixturing

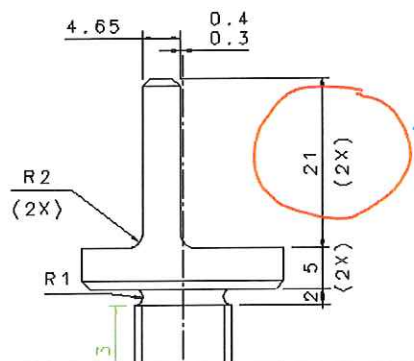
Disassembled fixturing



The clamp plate has wired grooves on it to try and improve the grip on the specimen. I would advise you do this on both sides of the clamped joint

Standard test specimen. As discussed in the meeting if you make the cross section area of the material labelled with the black arrow larger than the cross section area of the gauge, red arrow, then this will promote the plastic strain to occur in the gauge

2 3 4 5 6 7 8



With the current specimen design the amount of material above and below the fastener is limited by this length. I would increase this to 30mm+ so that you have room to increase the size of your specimen tab.