Superslim Push Pull Props

Allowable Working Load (AWL)

The normal tolerances between assembled components of Superslim Push Pull Props can result in an initial strut out-of-straightness that affects the allowable working load in compression of the assembled prop.

When end links (HD Prop Connector *(SSU10038)*, Tube End Link *(SSU10013)* or Spade End Link *(SSU10012)*) are used to connect the prop to other items, the tolerances in these items add to the initial out-of - straightness and further reduce the overall capacity of the prop.

As well as the design information provided in the Superslim Soldier manual the following should be taken into account for props in compression:

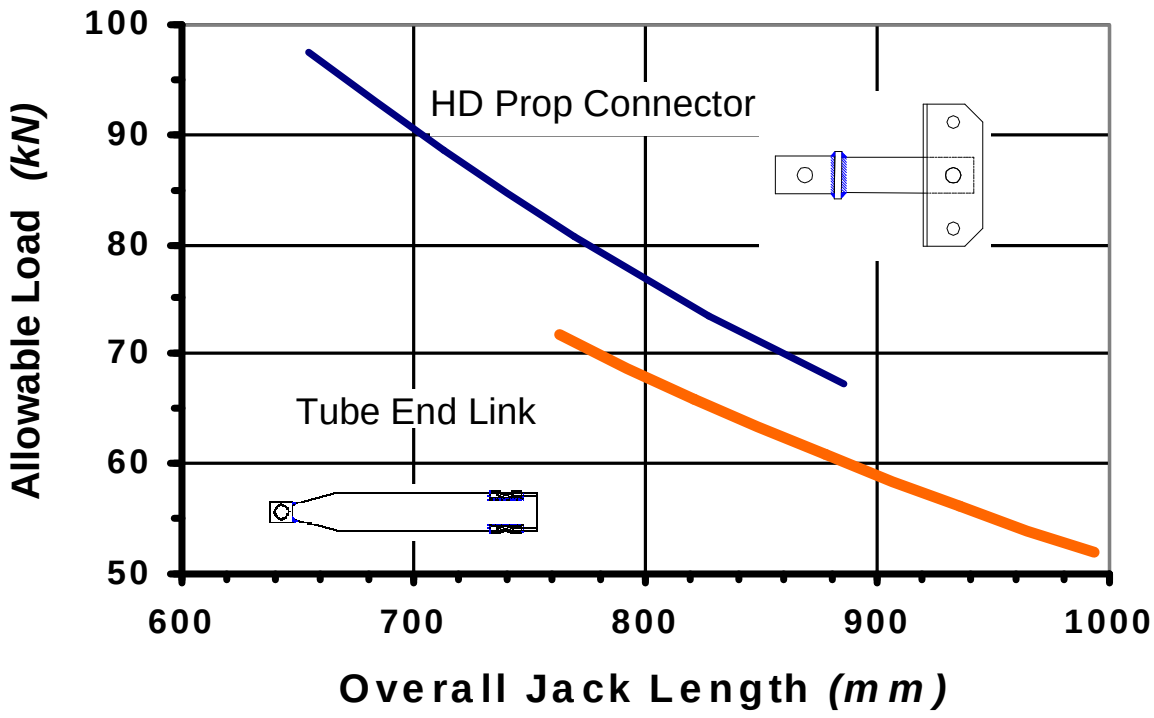
Superslim Soldier Strut Curves.

Where no end links are used, e.g. a Tilt Plate at both ends of the prop, use the curve for load eccentricity of 10mm. In all other cases use the curve for load eccentricity of 25mm.

End Links

Having used the Superslim strut curves the local capacity of the end links needs to be checked and the lesser value used.

The AWL of the Spade End Link through all jack extensions is 65kN. The AWL figures for the HD Prop Connector and the Tube End Link are given in the following graph.



TECHNICAL DATA