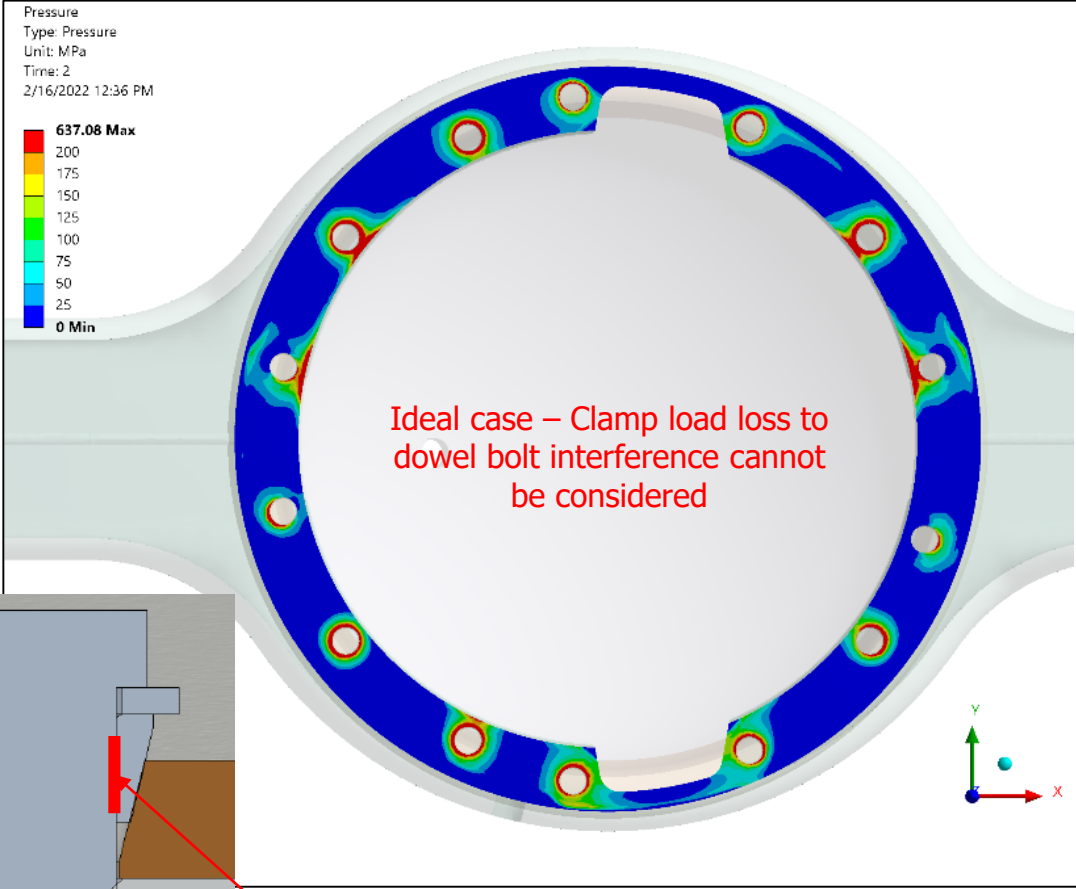


Carrier foot print pressure plot - comparison  
MT1497 14 bolt vs MT15i 15 bolt version



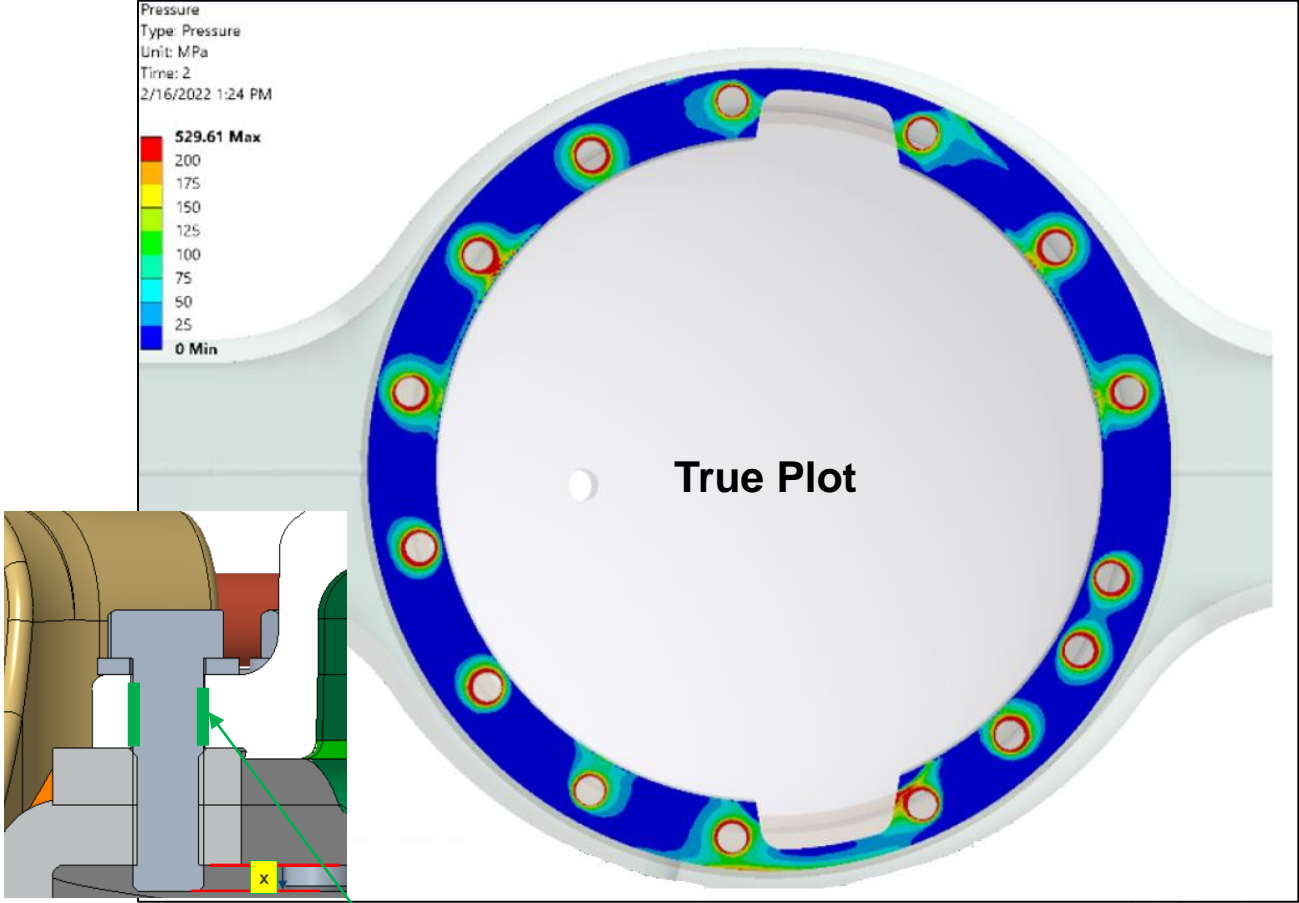
# Carrier Foot print Pressure plot comparison

MT 1497 16TG 14 Bolt version With Taper dowel



**Interference of 23.5 microns**

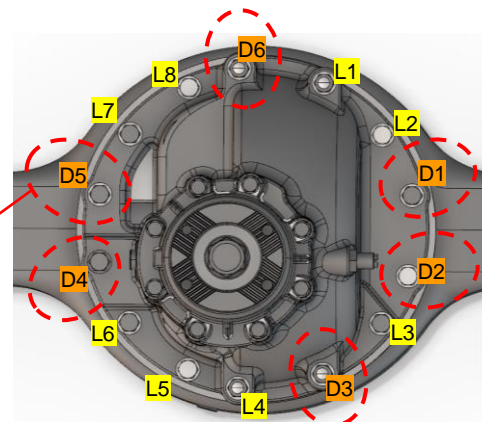
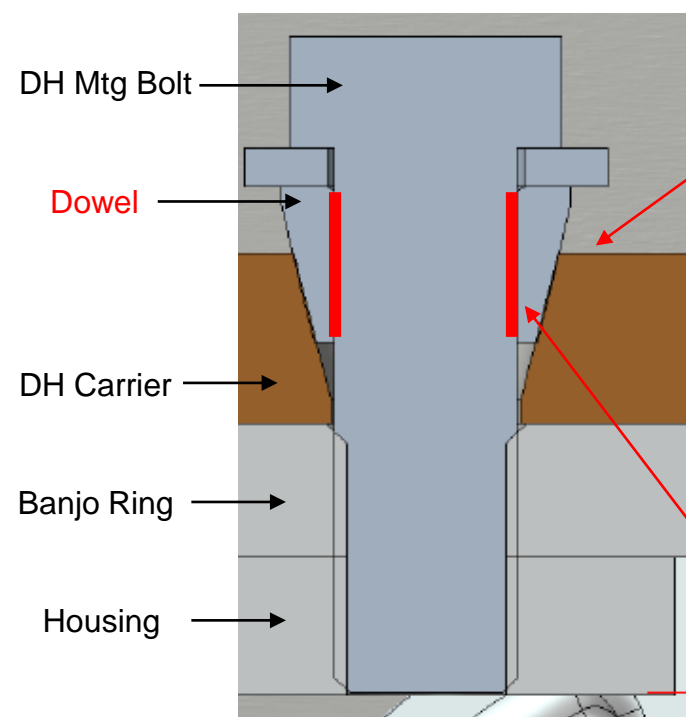
MT 15i 16TG 15 Bolt version Without Taper dowel



**No interference**

**Remarks:** MT15i design it is comparable for with and without taper dowel

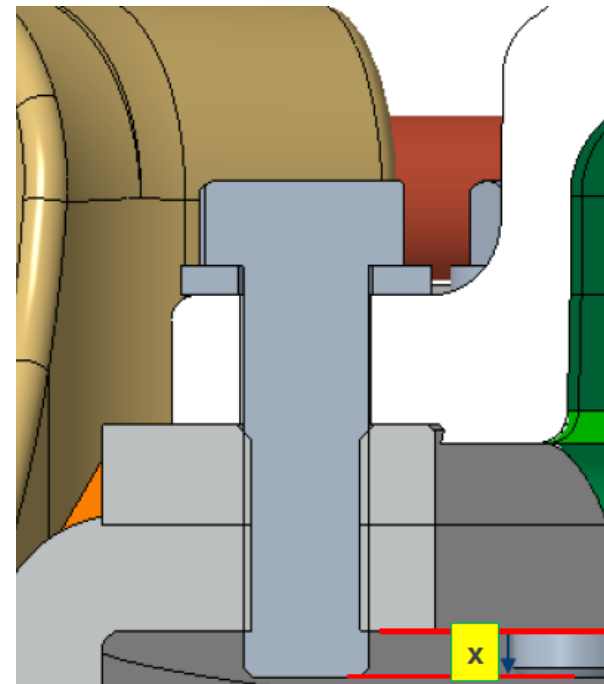
## Before :



MT1497-16TG (RA2)  
Similarly in RA1

**Interference up to 23.5  $\mu\text{m}$**

## After :



- Bolt pre bending stress were identified due to interference between Bolt and dowel leading to loss of ideal clamp load,
  - Neither be simulated not be predicted virtually, hence request to refer the physical rig tests.
- Dowels Eliminated at all Locations encircled.

**Inference :** Dowels Eliminated to avoid Clamp Load loss due to interference.