Dimensioning- Calculation for Power Clamping Screw MSP / MSPD





<u>Calculation example</u>: max. weight of workpiece: 80 to = 800 kN; case 1: Fm = m/2 = 40to = 400kN; number of Power Clamping Scews: 4→fn =1 necessary clamping force (50% of the Fsn external) Fc = 200 kN; External clamping → series MSP

According to the clamping force - preselection of type MSP 120: Fs max - Fc = 700 - 200 = 500 kN and Fm / fn = 400 / 1 = 400 kN i.e. the sizing condition of 500 kN > 400 kN is complied \rightarrow Sizing is OK!