



Bolt calculation

Calculation of bolt connections
according to VDI 2230 and
numerical using FEA
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Intelligent engineering
for future generation



Siempelkamp

Prüf- & Gutachter-Gesellschaft

Calculation according to VDI 2230

Geometric description of the bolted joint

Selection of bolt and plate materials

Evaluation of the calculation quantities

Determination and evaluation of stresses, static and dynamic

Bolted connections in steel structures

Customized connections, not limited to typified connections

Efficient verification

Verification of the whole connection: bolts, beams and welds

Numerical calculation

For applications beyond the validity limits of analytical codes

Simulation with FEM

Determination of the stiffness and load conditions in the bolted joint

Evaluation of stress and deformation conditions

Evaluation of plastic conditions also possible

Fatigue evaluation



Do you still have questions?
We have the answers.

We offer you our expertise in bolt calculations of your components. We have years of experience in analytical and numerical evaluation of bolt connections and compiled more information on our services for you here:



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