



## Fastener Calculators

Easy to deal with C-parts

**BOSSARD**

# Bossard Calculators – Easy to deal with C-parts

Bossard launches three calculators to support you to deal with c-Parts.

Engineers, technicians, designers and students working with design and assembly of bolted joints will find this package of calculators useful.

- Use the Bossard Fastener Calculator online [www.bossard.com](http://www.bossard.com)
- Download the Bossard Fastener Calculator at [App Store](#)



## Cost Savings Calculator

Calculate your direct savings by reducing the number of different fasteners.

The cost of fasteners makes up only around 15 % of total costs. 85 % occur from procurement activities, internal logistic, assembly preparation and many other activities. This fact makes rationalization of fasteners very interesting as the cost savings potential is high.



## Torque and Preload Calculator

Successful usage of screws and bolts require correct parameters for both assembly and joint calculations.

Calculate the tightening torque and resulting preload for sizes M1 to M68 for various combinations of friction coefficients and property classes. The calculations are based on VDI 2230\*, version 2003



## Thread Engagement Length Calculator

Bolts and nuts are made to match.

However, many bolted applications are designed with threaded blind holes. But how should they be designed in order to secure a successful result?

Determine the correct thread engagement length for through hole and blind hole in fasteners application, sizes M1 to M68. The calculations are based on VDI 2230\*, 2003

\*VDI 2230 has been used in practice for over 25 years and is recognized worldwide as the standard for calculating bolted joints