

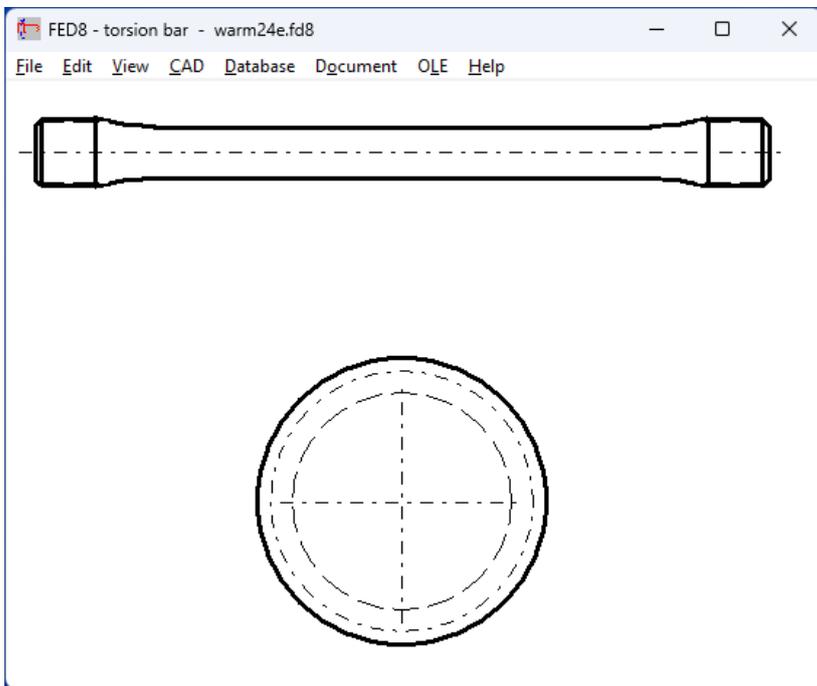
FED 8



Software for Calculation of Torsion Bar

for Windows

© Copyright 1993-2024 by HEXAGON Software, Kirchheim, Berlin, Neidlingen



Calculation

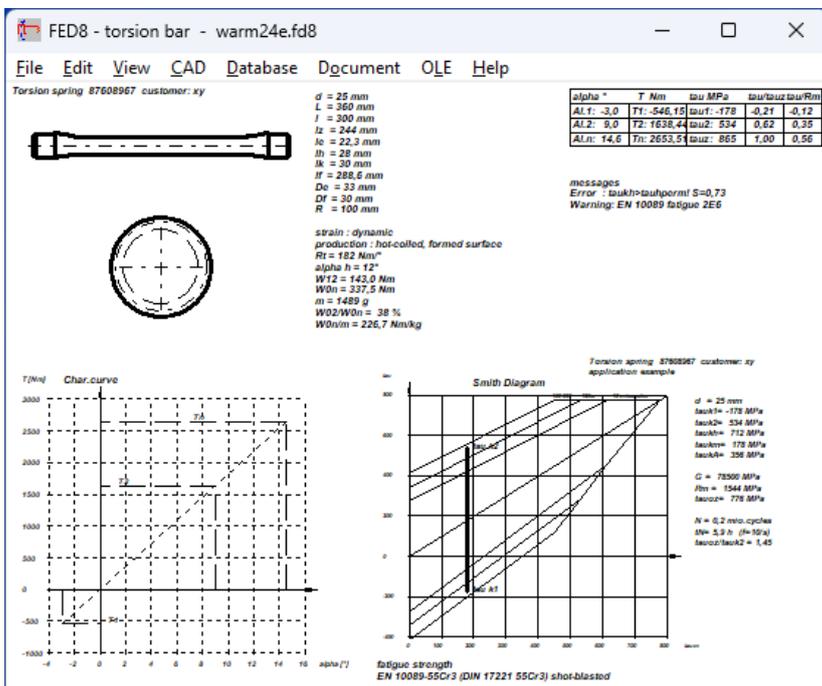
FED8 calculates torsion angles, torques, shearing stress, spring energy and sliding of torsion bars in accordance with DIN 2091. Characteristic curves and scale drawings can be displayed graphically and exported as DXF files to CAD and DTP software.

Cross-Section

FED8 calculates torsion bars according to DIN 2091. But also torsion bars with rectangular, square, elliptic hollow and ovate cross-section can be calculated.

Pre-dimensioning

In pre-dimensioning, one torsion force and the displacement angle are entered, or two torsion forces and the elevation angle are entered. FED8 then calculates an appropriate torsion bar.



Dimensioning

In dimensioning, FED8 calculates the length of the torsion bar when input torques, elevation angle and bar diameter.

Recalculation

In recalculation all dimensions for the torsion bar are entered and FED8 calculates torques and shear stress for the desired angles.

Printout

The result printout includes all input and result data. The excerpt shows the most important spring data, abbreviated, on one page. There is also a feature for output of a HTML document for Intranet/Internet. Another option is to generate a TXT table and to run MS Excel and load the results in a worksheet.

