W N 7

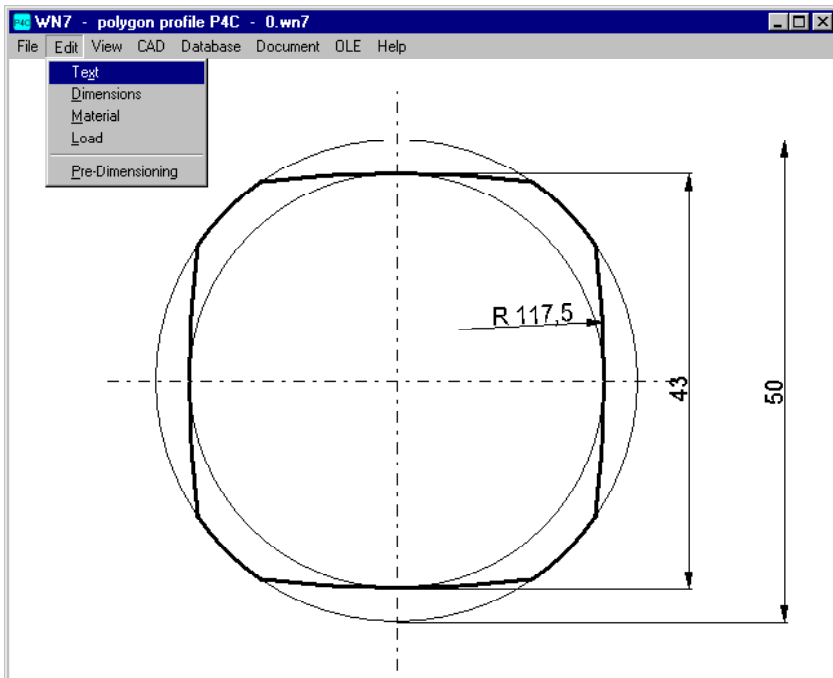*Software for Polygon Profiles*

P4C according to DIN 32712

for Windows

© *Copyright 2002-2018 by HEXAGON Software, Berlin, Neidlingen, Kirchheim*
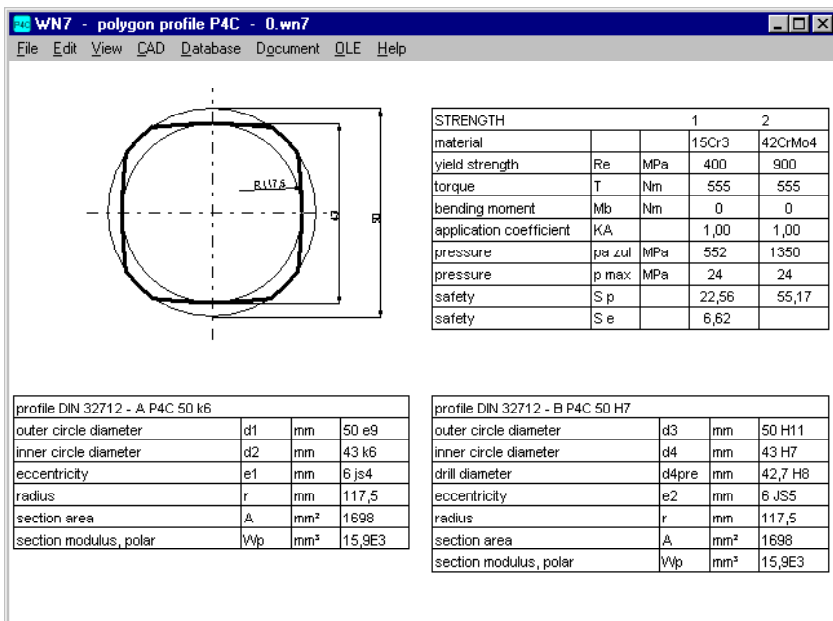
www.Hexagon.de

P4C Calculation

WN7 calculates dimensions, tolerances, stress and safety factors for P4C polygon profiles according to DIN 32712.
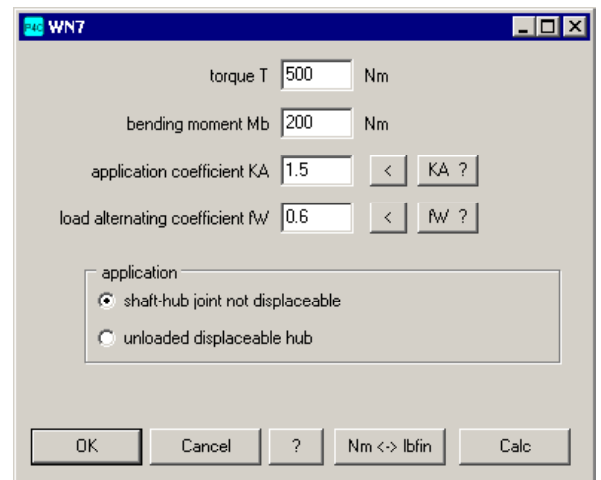
P4C Database

P4C sizes according to DIN 32712 (size 14 mm to 100 mm) can be selected from database. The database may be extended by the user.
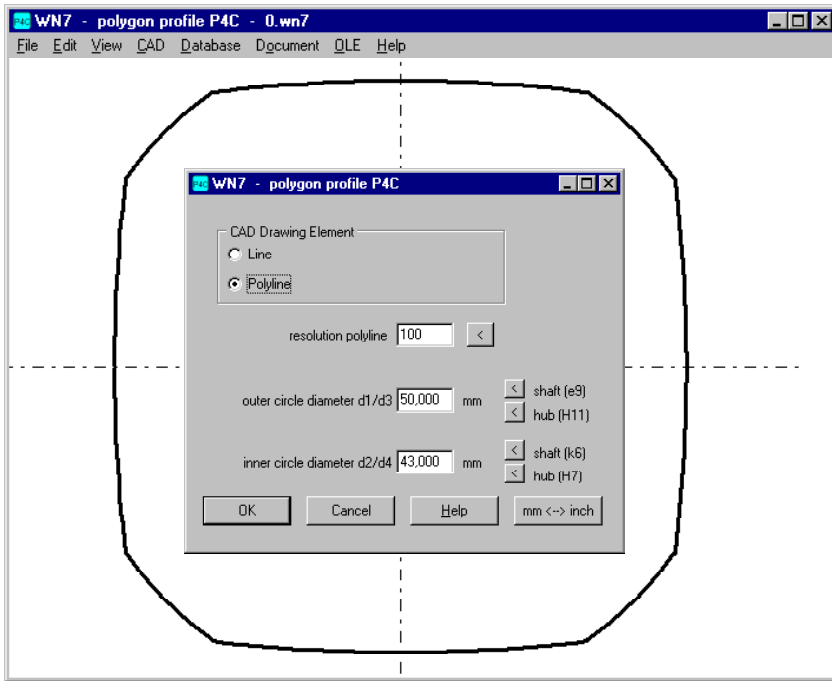

Pre-Dimensioning

Enter torque, select material and application: WN7 calculates minimum size required for a P4C shaft-hub joint.
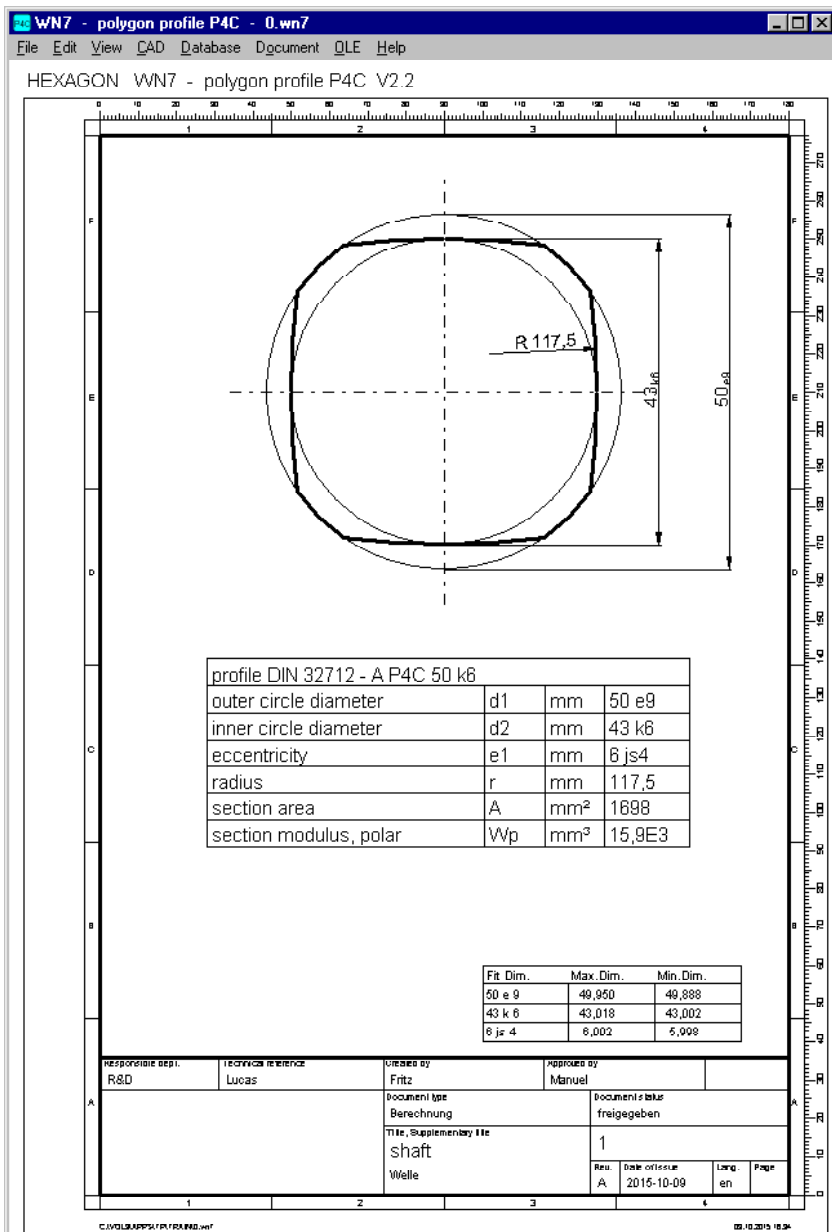
Strength Calculation
WN7 calculates compressive stress, torsional stress, bending stress, and equivalent stress according to DIN 32712 and DIN 6892. Material, application factors and life expectation coefficients are considered by WN7.

Material Database
Materials for shaft and hub can be selected from the integrated material database with 900 steel and non-iron materials.

Production Drawing
P4C dimension table together with P4C profile in an ISO 7200 drawing header may be printed directly, or exported to CAD via DXF-/IGES interface. Drawing name, date, users and modifications are described in WN7.

CAD Interface
W7 generates a true scale P4C profile as DXF or IGES file to be used in CAD or CNC system. Resolution and tolerances can be configured.

User Interface
The dialogue windows of WN7 allow even the less experienced PC user to find his way around the program quickly. WN7 provides users with a help text wherever they are in the program. When the demo mode is selected, WN7 runs through a demo program in which an example calculation is performed. WN7 contains auxiliary pictures with geometrical signs and formulas used by the program.

System Requirements
WN7 is available as 32-bit app or as 64-bit app for Windows 7, 8, Windows 10.

Scope of Delivery
WN7 Software with user manual (pdf), example applications and help images, non-expiring license for unlimited time use with update rights.

Software Maintenance
HEXAGON Software is continuously improved and updated. Registered users are regularly kept informed of updates and new editions.

Guarantee
HEXAGON gives a 24 month guarantee on full functionality of the software.