Shaft-hub connections

Cylindrical interference fit

- Strength rating along DIN 7190
- Sizing function for tolerances
- Stress calculation for stepped hub and hollow shaft
- Considers torsional, radial, and bending load, including centrifugal loads
- Calculation of mounting temperatures

Conical interference fit

- For different mounting procedures
- Calculation along Kollmann
- Considers cone angle and cone angle tolerances

Key

- Geometry along DIN 6885, ANSIB17.1
- Strength rating along DIN 6892
- Woodruff key

Involute spline

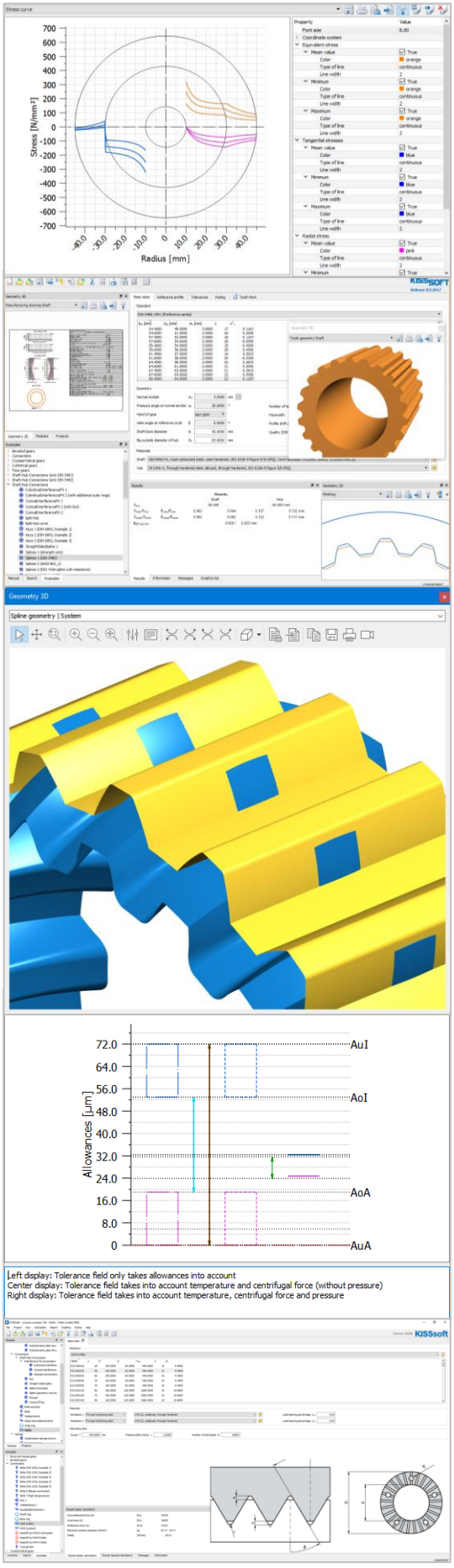
- Geometry along DIN 5480, ISO 4156, ANSIB92, own definition
- Tolerances along DIN 5480, ISO 4156, ANSIB92, own definition
- Reference profiles along DIN 5480, ISO 4156, ANSIB92, own definition
- Strength rating along Niemann or DIN 5466
- Crowned spline

Straight sided spline

- Geometry along DIN 5464, DIN 5471, DIN 5472, ISO 14, own definition
- Strength rating along Niemann
- Graphical output

Serrated spline, polygons

- Geometry along DIN 5481
- Strength rating along Niemann
- 3-sided and 4-sided polygon along DIN 32711, DIN 32711

Hirth coupling

- Includes Voith ® profiles
- Strength and geometry calculation