

# Ingranaggi Conici: Modulo Base

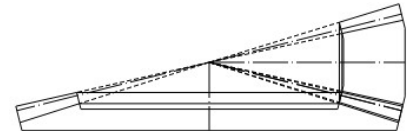
Durata: 16 ore



## “Verifica e progettazione di ingranaggi conici con KISSsoft”

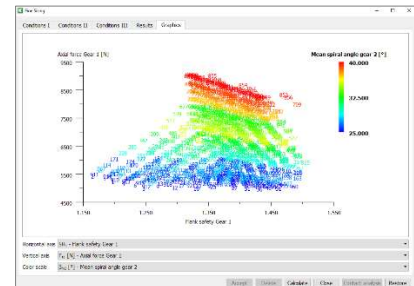
### Cutting method and geometry

- Cutting methods for straight and helical bevel gears
- Cutting methods Face Hobbing und Face Milling and its specialties
- Different cone types for bevel and hypoid gears
- Calculation of geometry, virtual cylindrical gear



### Strength rating

- Calculation of strength, different standards
- Scuffing according to ISO/DTS 10300-20
- Flank fracture according to ISO/DTR 19042

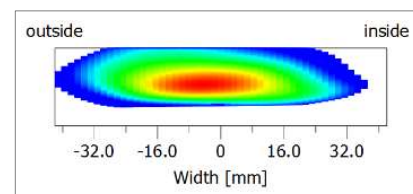


### Design of bevel gears

- Rough sizing, relevant parameters
- Fine sizing, optimization of bevel and hypoid gears
- Microgeometry

### Contact analysis

- Determination of EPG displacement with KISSsys
- Contact analysis of bevel gears
- Contact pattern, transmission error
- Optimization using gear modifications
- 
- 



### Processes

- Design processes with conventional manufacturing (GEMS®) and 5-Axis milling
- Generating 3D models, check of contact pattern (contact lines)
- Topological modification

