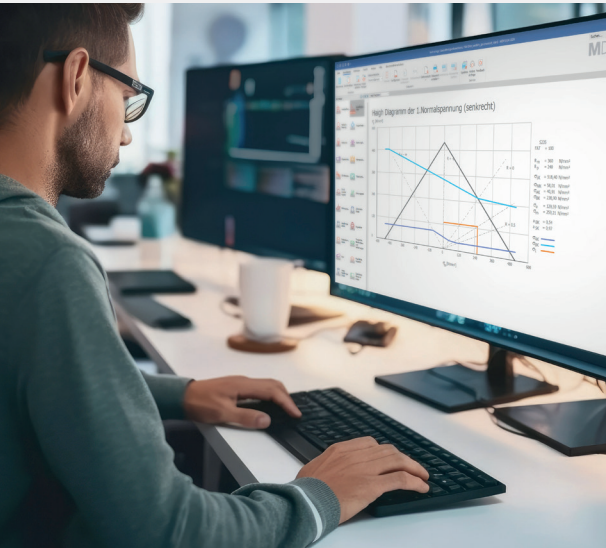


MDESIGN Seminar

# STRENGTH VERIFICATION OF MACHINE COMPONENTS ACCORDING TO FKM GUIDELINE

## These topics await you...

- Get to know the differences
- Understanding the background to change
- Better utilization of the load capacity
- Nachweisführung an konkreten Beispielen



## FKM GUIDELINE UPDATE

### Objectives of the seminar

#### Understanding backgrounds

Understanding and effectively implementing formula changes

#### Cost efficiency

Material and cost savings through optimized design practices

#### Increased safety

Increased safety in parallel with cost reduction

#### Practical examples

Independent assessment and solution of complex problems through understanding and counteraction

## KNOWLEDGE UPDATE

### Use your advantages

- ✓ **Personal certificate**  
Documentation of your newly acquired knowledge after attending the seminar
- ✓ **Good integration into everyday working life**  
Compact seminar content spread over 2 days
- ✓ **Flexible choice of dates**  
Several seminar dates per year
- ✓ **Online & Live**  
Seminars from anywhere and ask our experts questions interactively
- ✓ **Seminar documents**  
We also provide you with all the relevant information for „afterwards“ for reference

## Target group

Engineers and specialists from the fields of development, design and calculation, teachers from educational institutions, experts from research institutions and testing companies.

FKM GUIDELINE UPDATE

## Content & Details

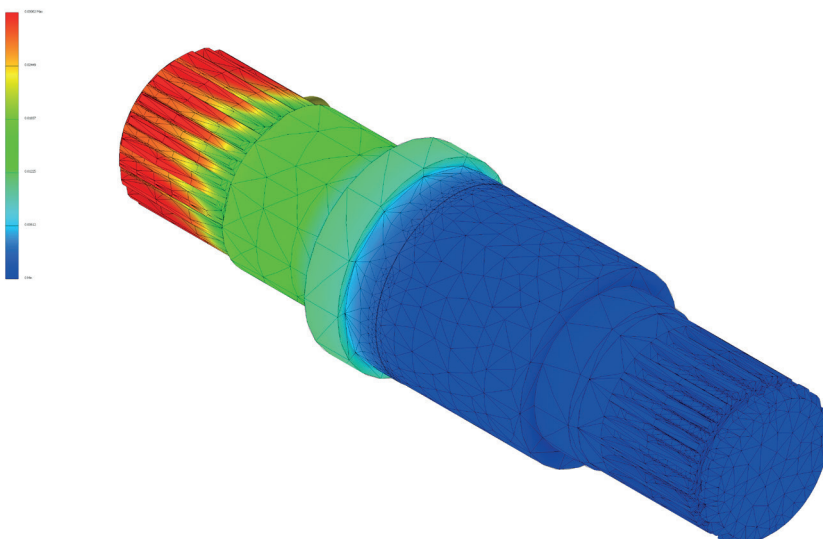


### Standards: FKM Guideline 7th Edition - Amendments and Extensions

- ✓ Overview of changes to the 7th edition
- ✓ Adjustments to the calculation of the technological size effect
- ✓ Extension of the calculation for the plastic support number
- ✓ Consideration of the solidification factor
- ✓ Updated material data and new material group
- ✓ Integration of post-weld treatments
- ✓ Changes in the Haigh diagram and the maximum amplitude
- ✓ Presentation of amplitude and equivalent voltage verification
- ✓ New interpretation of tolerable elongation
- ✓ Protective coating factors for steel
- ✓ New support number calculation for aluminum casting
- ✓ New approach to evaluating welded components with notch and effective stresses
- ✓ Change in temperature influence
- ✓ Conclusion on internal investigations in the practical application of the new directive

#### ***Please note!***

The seminar focuses on a quick update of the participants in dealing with the differences to the current directive. **In order to understand the seminar content, a sound knowledge of the FKM guideline and its application is required.** We impart this specialist knowledge in the 2-day online seminar „Strength verification of machine components according to the FKM guideline“.



More info on  
[mdesign.de](https://www.mdesign.de)