

# MDESIGN explorer

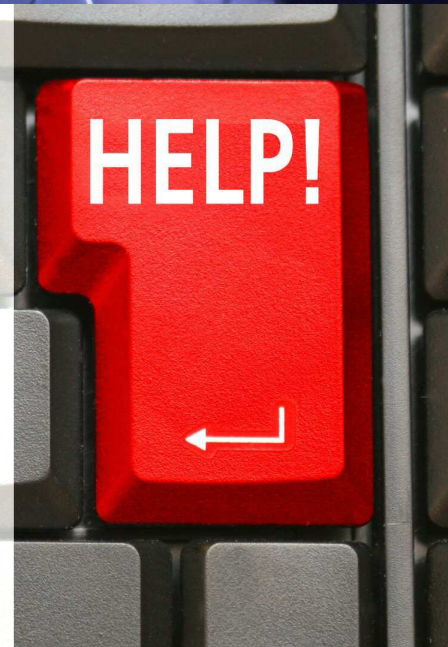
The system for calculation, information and databases  
for every design engineer

2012

MDESIGN has become a constant companion for lots of design engineers who would not want to miss the support of the program. The MDESIGN explorer user interface provides easy handling of numerous tools and information for the daily design and development tasks.



Easy handling, comprehensive help features  
Numerous tables and reference works  
Overviews of materials and technical standards  
Technical formulary  
Possibility to organize your own calculations



MDESIGN guarantees an easy handling by using the same user-friendly interface for each calculation module, each information application and each database selection. This simplifies the work with the program and saves time, especially when some of the numerous modules are only used occasionally.

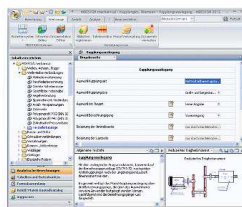
MDESIGN offers an easy and fast access to all calculation modules, formularies, databases, standards and company-owned documents and data. Furthermore it even suggests contact persons for projects in research and development.

## Saving Time and gaining safety- two competitive advantages

MDESIGN is the platform for technical information and calculations. It efficiently supports engineers with their designing work as well as with the documentation of the results.

Furthermore it gives general information about the technical topics and about the technical standards. This guarantees that the users work according to the state-of-the-art and that they fulfill their documentation obligation.

Calculation Libraries: MDESIGN explorer



**Content Management for Mechanical Engineering and Design**

Engineering design needs intelligence and creativity, but also a steady flow of information and knowledge from external sources. MDESIGN explorer supplies basic technical content like tables with standardized data and a library with several hundred formulas. Besides you find links to hundreds of sources of information and design tools.

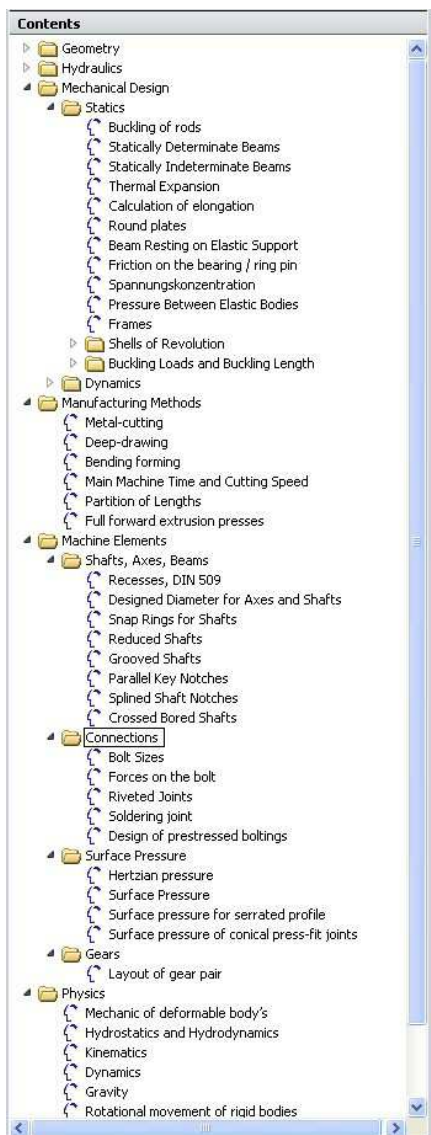
But MDESIGN explorer also links internally generated knowledge into the working environment of design engineers. Company standards, specialized calculations and verified design procedures as well as best practice examples can be distributed via the explorers user interface. And last but not least, the explorer forms the base for all calculation libraries which are supplied by MDESIGN.

**Explorer Functionality Assists all MDESIGN Software Libraries**

- Provides highly accepted documents
- Improves results and leads to optimization through unique Parametric Analysis
- Lets you build your own content management system
- Client/Server structure serves up to several thousand users
- Helps to organize calculation programs from many sources
- Supports multi-language environments

**TEDATA**

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## Formulary - fast and easy

In version MDESIGN 2012 again many new formulas have been included which will provide quick and targeted solutions, and moreover, save a lot of time.

New developed features can regularly be added from the download area.

## Material database

The integrated database containing lots of materials is regularly updated to help you find the necessary material information fast and easy.

Even the characteristics for different temperature ranges are determined according to the FKM-guideline for mathematical strength verification and integrated in the database.

You can also add your own materials to make them available to all colleagues.

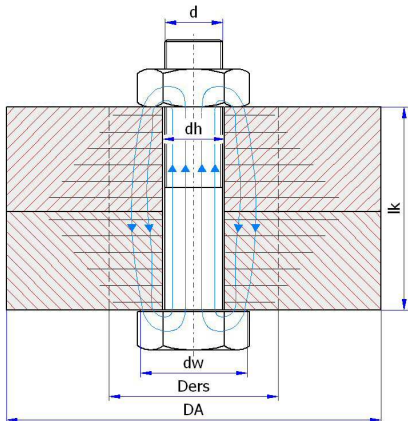
## Access to knowledge and safety

MDESIGN explorer gives direct access to the latest knowledge in the MDESIGN database. But even company-owned information can be integrated to this database. This enables all colleagues to quickly find in-house regulations, leaflets and procedures.

Additionally MDESIGN supports you to comply with the rules by providing standardized calculations and technical contents.

## MDESIGN for ISO certification and the new EG Machinery Directive

The documentation of the design and development processes becomes more and more important both for the competitiveness and for complying with certification standards. MDESIGN significantly speeds up this typically very time consuming process of documentation. The MDESIGN documentation clearly shows all backgrounds, conditions and results. As part of the required documentation these documents illustrate your professional work in meetings with colleagues and customers even during the tender phase.

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