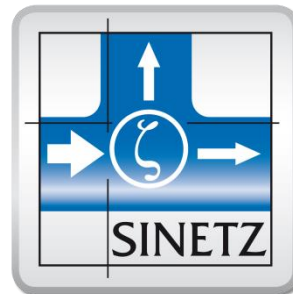


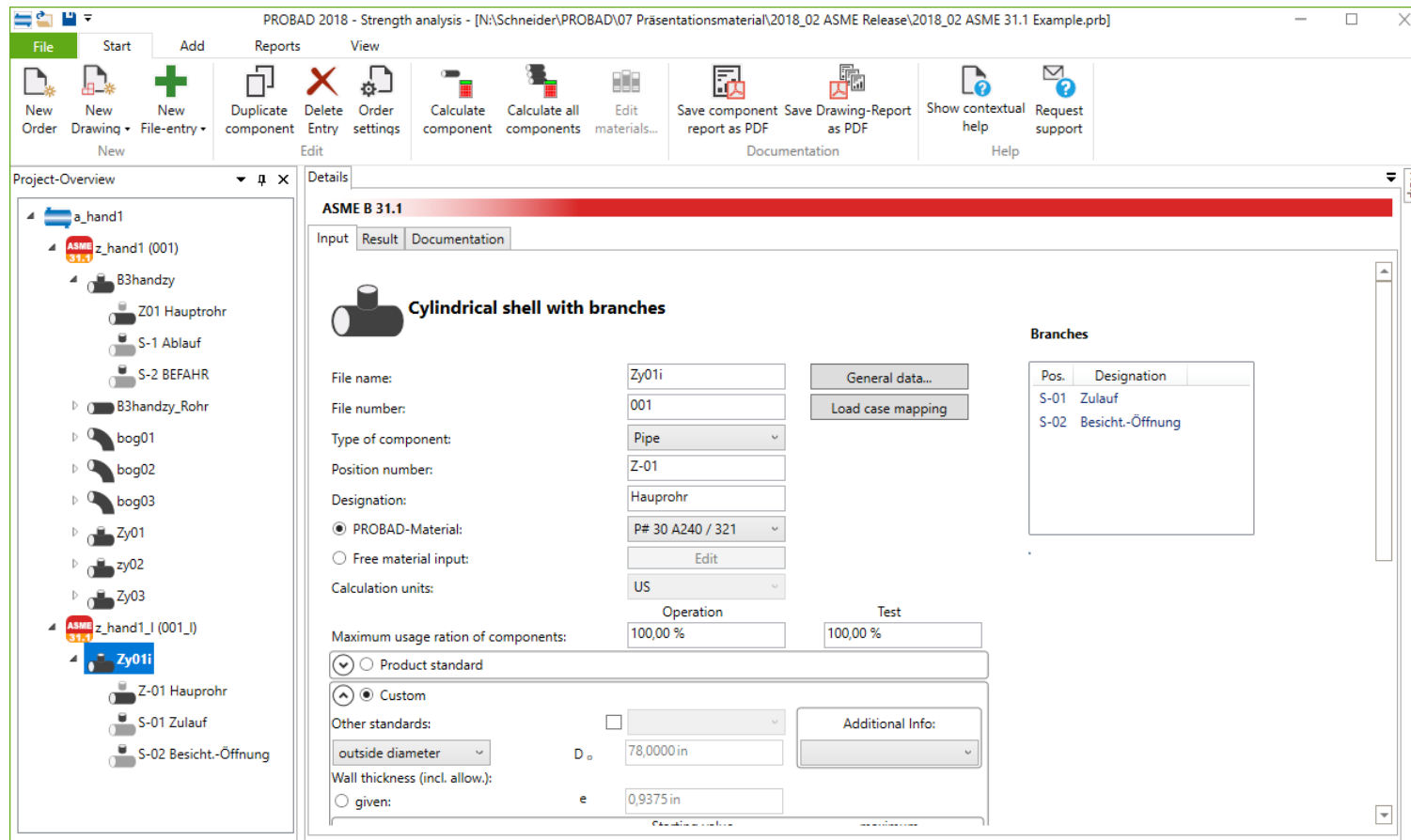
# PROBAD

**Release  
January 2018**

**New Features and  
Improvements**

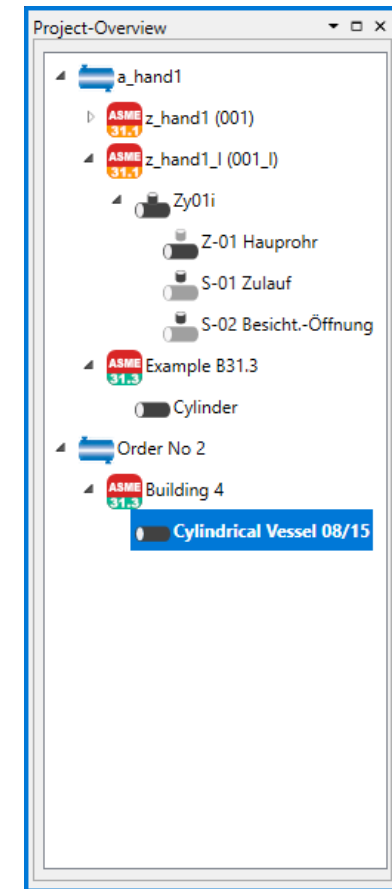
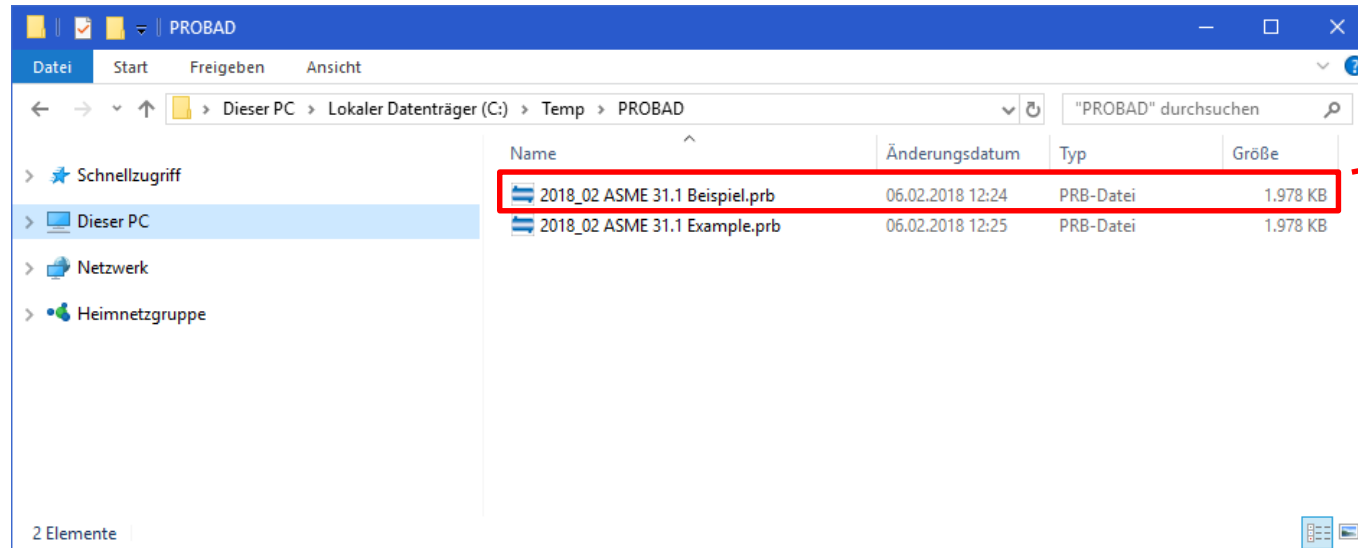


# New Interface with well-known controls



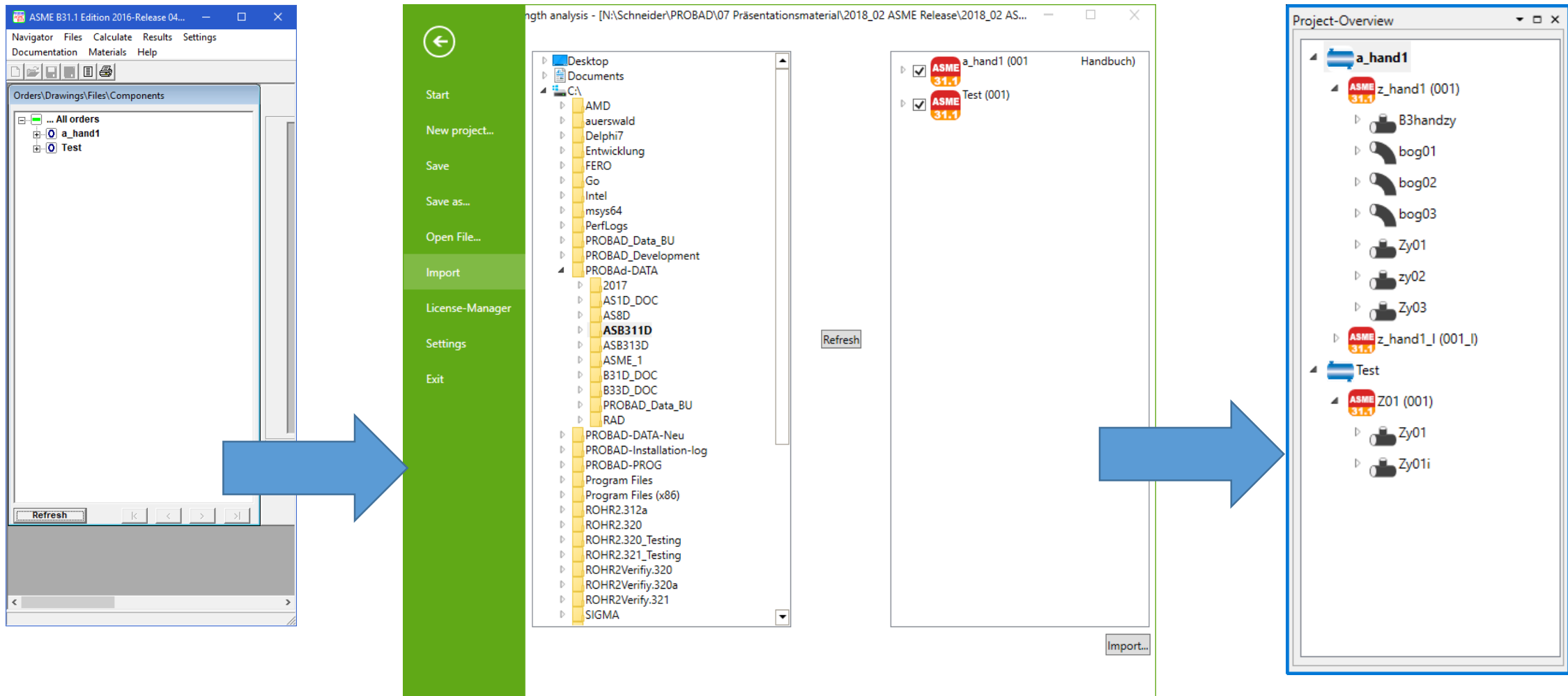
- SIGMA developed a new User-Interface
- The new Interface uses controls from many well-known programs
- All Modules of the 14 PROBAD-Solutions will be used from within the same interface
- For now ASME B31.1 and ASME B31.3 A/K
- Online-Updates of the Interface and the calculation-core of the renewed modules
- Complete overhaul of the process of installation and the Licence-Dongle upgrade

# New file format with extended functionality



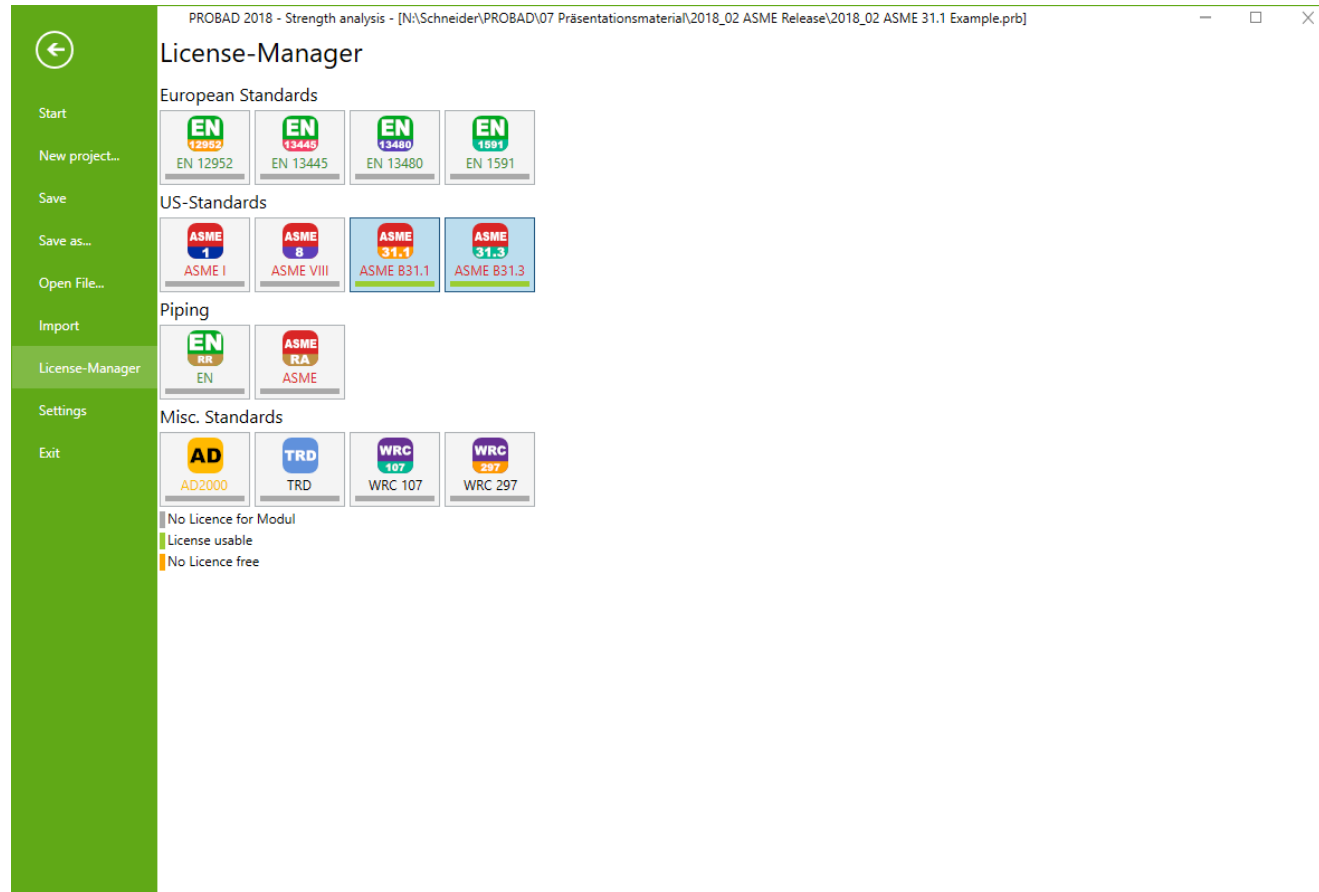
- Transition from Folder-Based structure to a single-File solution
- Multiple Orders in a single file
- Multiple Drawings in a single order
- Drawings of multiple modules inside a single order
- Simplified handling when transferring and securing data files

# Program and file format backwards compatible



- Import of existing legacy systems (at least the latest "Classic" release) into the new format

# License management at runtime of the program



- Assignment and release of licenses within the program during runtime
- Project files of any content can be opened at any time
- Only drawings for which a license of the corresponding calculation module has been granted can be displayed, edited, calculated or documented.

# Material selection revised

Materials

Filter

PR No.:  Nominal composition:  Product type:

Spec No.:  Type/Grade:  Material fam.:

Class/Cond./Temper.:  Size from:  Source:

Notes:  Alloy/UNS:  Standard:

Min. allow. temp.:  Size to:  P/S-No.:

Global materials List

PR No.	Nominal Composition	Product type	Spec. No.	Type/Grade	Alloy/UNS	P/S-No.	Class/Cond./Temper.	Size from	Size to	Notes	Ext. pressur
151	C	Smls. Pipe & Tube	A53	A		1	S			(2)	Fig_CS_2
179	C-Mn	Smls. Pipe & Tube	A53	B		1	S			(2)	Fig_CS_2
152	C-Si	Smls. Pipe & Tube	A106	A		1				(2)	Fig_CS_2
153	C-Si	Smls. Pipe & Tube	A106	B		1				(2)	Fig_CS_2
181	C-Si	Smls. Pipe & Tube	A106	C		1				(2)	Fig_CS_2
154	C	Smls. Pipe & Tube	A179			1				(1)(2)(5)	Fig_CS_1
150	C-Si	Smls. Pipe & Tube	A192			1				(2)(5)	Fig_CS_1
201	C-Si	Smls. Pipe & Tube	A210	A-1		1				(2)	Fig_CS_2
200	C-Mn-Si	Smls. Pipe & Tube	A210	C		1				(2)	Fig_CS_2
227	C-Mn-Si	Smls. Pipe & Tube	A333	6		1					Fig_CS_2
211	C-Si	Smls. Pipe & Tube	A369	FPA		1				(2)	none
212	C-Mn-Si	Smls. Pipe & Tube	A369	FPB		1				(2)	Fig_CS_2
296	C	Smls. Pipe & Tube	API 5L	A		1				(1)(2)(14)	none
297	C-Mn	Smls. Pipe & Tube	API 5L	B		1				(1)(2)(14)	none
137	C	Elresis.wld. Pipe & Tb.	A53	A		1	E			(2)	Fig_CS_2
138	C-Mn	Elresis.wld. Pipe & Tb.	A53	B		1	E			(2)	Fig_CS_2

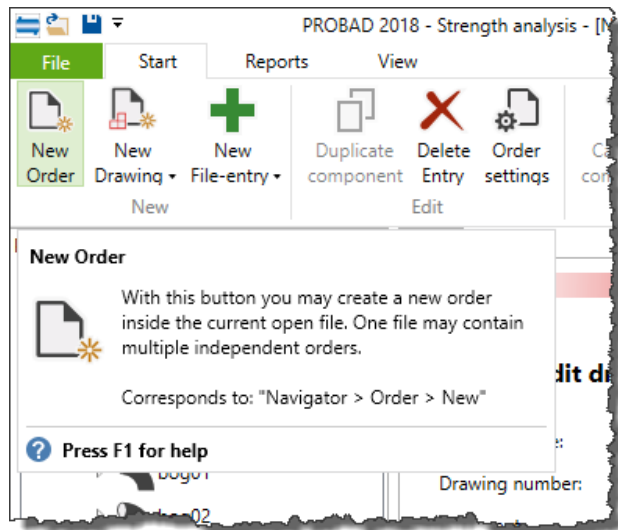
Showing 297 of 2187 entries

Material-References

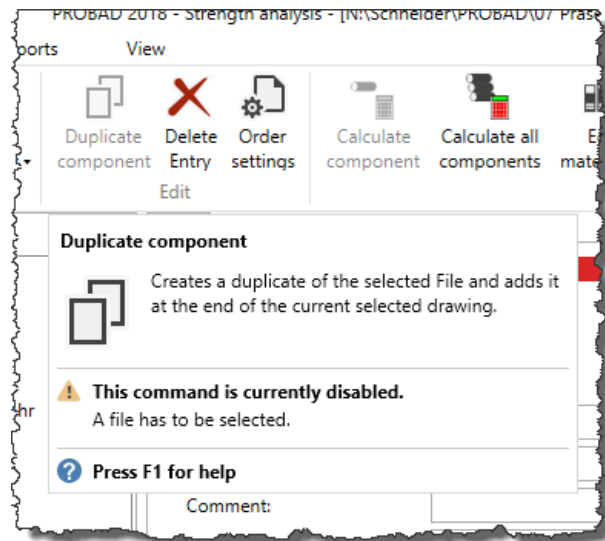
Name	Number	ID	Designation
A283 / B	1	1.ASMEB311	PR No. 1 A283 B Carbon Steel Plate ((1)(7) )
A335 / P1	170	170.ASMEB311	PR No. 170 A335 P1 C-1/2Mo Smls. Pipe & Tube ((2) )
A240 / 321	30	30.ASMEB311	PR No. 30 A240 321 18Cr-10Ni-Ti Plate ((10)(11) )
A192 /	150	150.ASMEB311	PR No. 150 A192 C-Si Smls. Pipe & Tube ((2)(5) )
A312 / TP321H	224	224.ASMEB311	PR No. 224 A312 TP321H 18Cr-10Ni-Ti Smls. Pipe & Tube

- Material selection has been extended with various filters
- It can be filtered for almost all data
- Material references are now mandatory, these are order-specific
- A data sheet with the available material data can be retrieved for each material

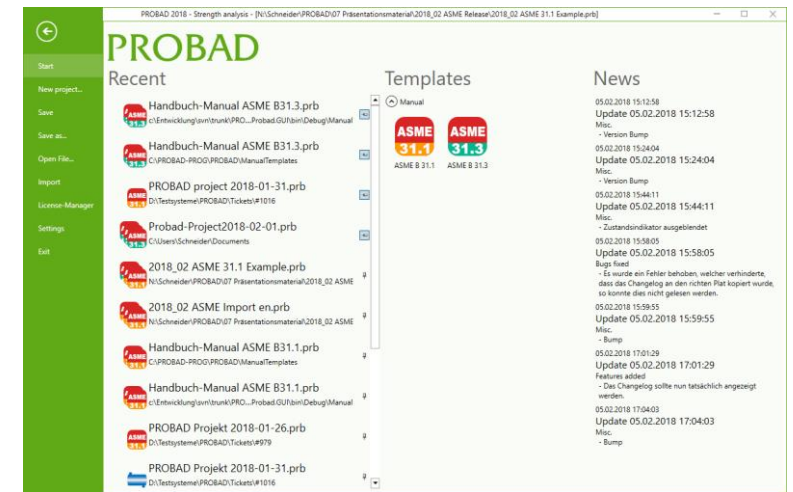
# Interface - Miscellaneous I



- Notes on menu commands provide short help

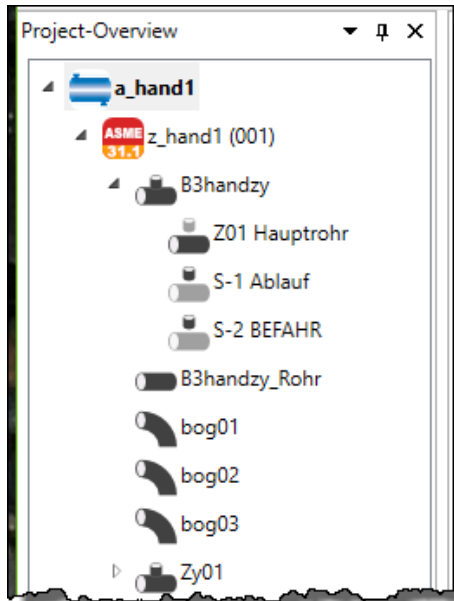


- Commands that are currently unavailable give an indication of the reason for deactivation

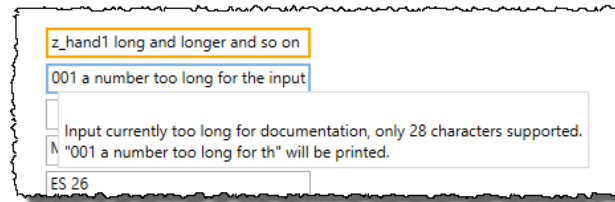


- List of recently opened files
- Accessing the PROBAD Manual Examples
- Update-News etc.

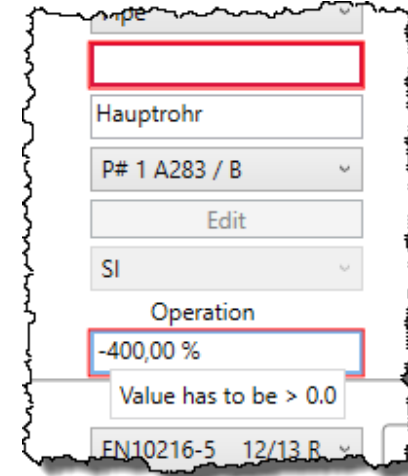
# Interface - Miscellaneous II



- Icons in the overview give hints on the standard of the drawing and the type of file.



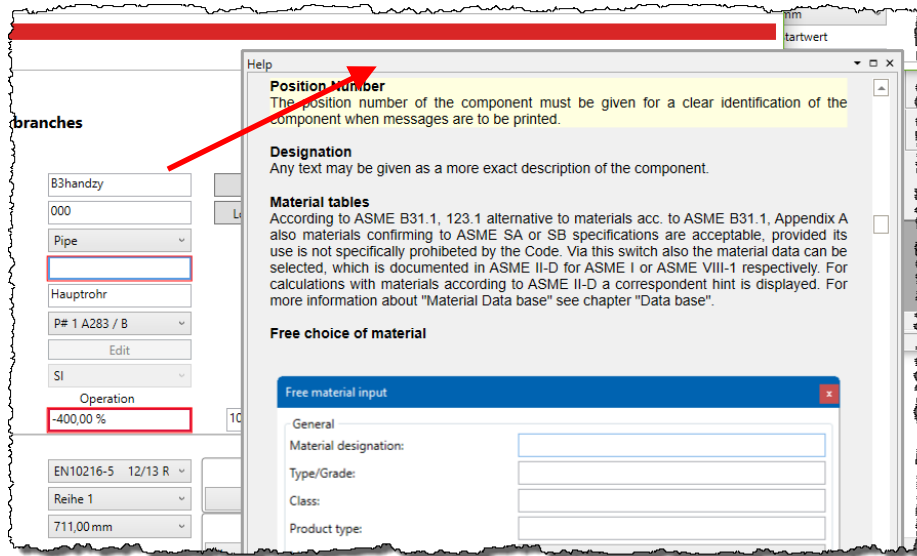
- Text fields accept input of any length, if the calculation core should have a length limit, a corresponding tooltip is used to indicate this.



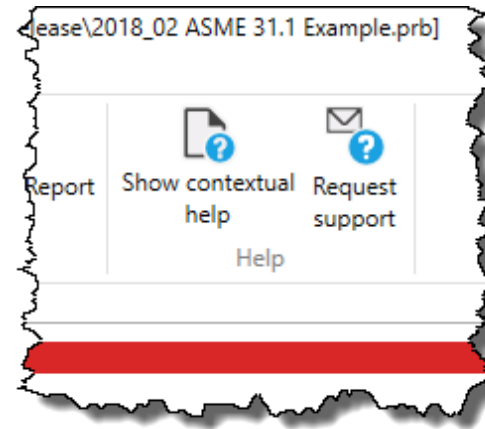
- Missing and incorrect entries are indicated by a marker.
- A tooltip gives a hint about the error



# Help and Support



- integrated program help
- either context-based, so that the help associated with the activated input field is displayed
- or free navigable
- images/drawings can be displayed in separate windows



- Send support requests via email directly from within the program
- The currently opened project file is attached to the email (optional)
- SIGMA support team usually responds on the same day

Thank you very much for your attention

**SIGMA**  

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Ingenieurgesellschaft mbH

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