

Installing

- Please note that installing Easy Release 2017 will not overwrite an older (2016, 2015, ...) existing installation of Easy. You can use Easy 2017 and an older release of Easy on the same computer.
- Easy Release 2017 requires a new password!
- Easy 2017 is downward compatible (with Easy 2017 you can open Easy 2016, 2015, ... projects).

Known Issues

This list covers some of the known problems with Easy 2017. Please read this before reporting any new bugs.

There are no known issues at the moment.

What's new in Easy Release 2017?

Easy – General remarks

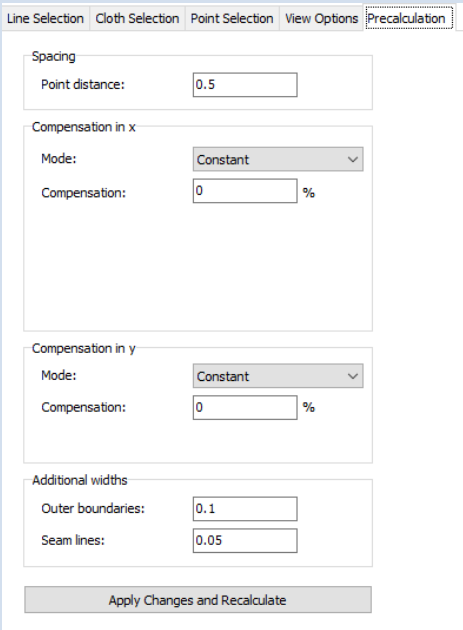
All modules	Easy 2017	With release 2017 all modules are based on a 64-bit architecture.
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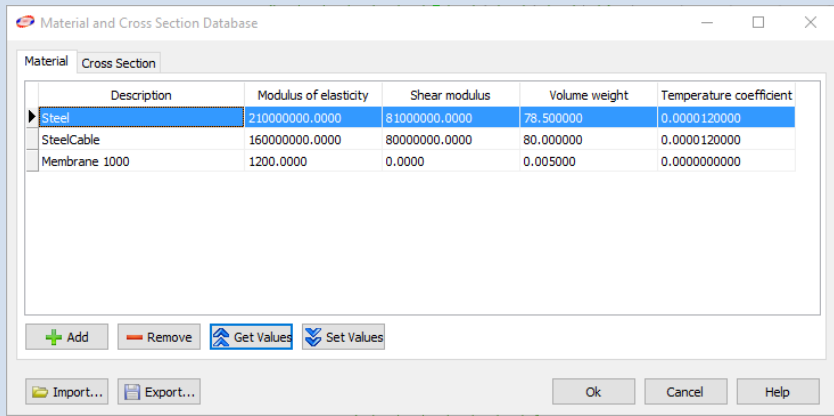
Graphical Editors

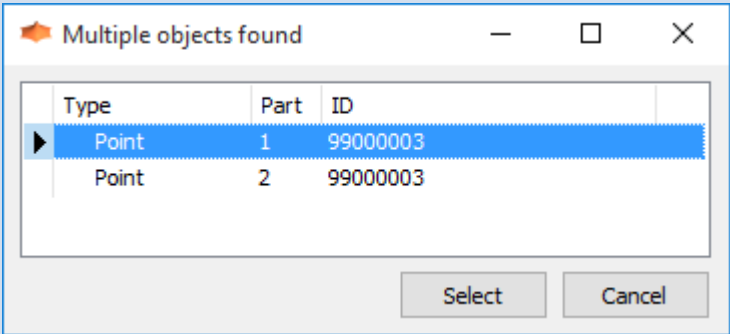
Module	Type	Description
Tailor	Enhancement	Redesign of Toolbar. New Buttons for changing the modes.
Tailor	Enhancement	In boundary lines, the number of intermediate points can be set. Also optionally via the point distance: <div> <div>Intermediate points</div> <input type="text" value="5"/> </div> <div> <div>Point distance</div> <input type="text" value="0.6157"/> </div>
Tailor	Enhancement	The attribute “Middle Width” needs at least 3 corner points per cloth

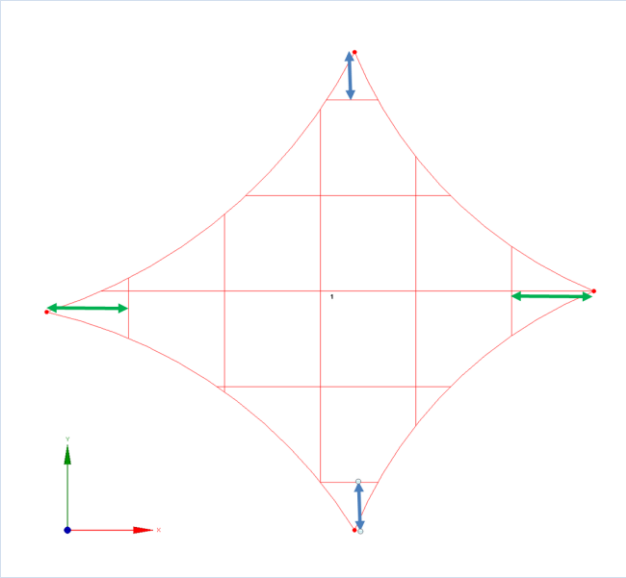
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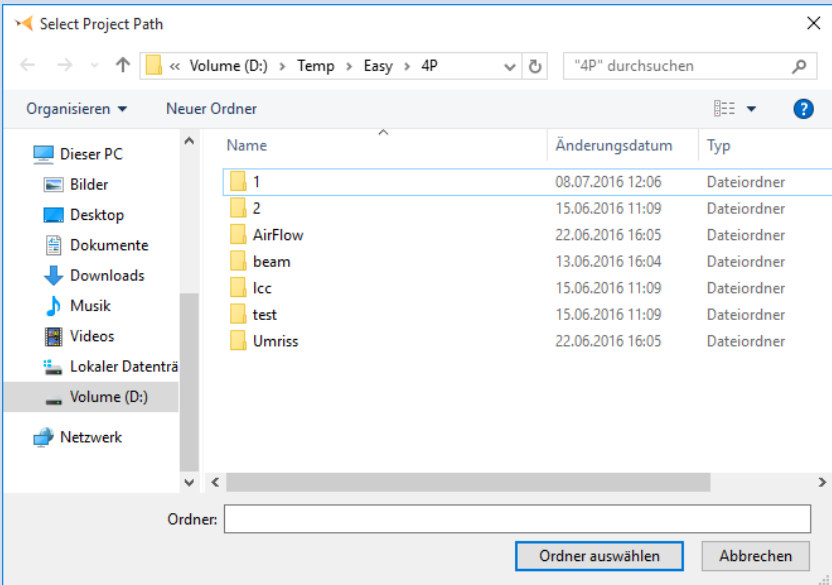
Tailor	Enhancement	Reference line for bounding rectangle and edge lengths
Tailor	Enhancement	Compatibility to old StPrint: Easy Tailor can be used like old StPrint
Tailor	Enhancement	Batch Jobs: Command line parameters like old StPrint
Tailor	Enhancement	<p>New dialog "Precalculation" as easy input for STord parameters:</p> 
Tailor	Enhancement	Export and import of all settings to/from separate file
Tailor	Enhancement	Removed menu items "Save current data as..." and "Restore saved data..."
Tailor	BugFix	Crash when changing contour points to ordinary points
Tailor	BugFix	Missing point on system line
Tailor	BugFix	Zoom in mode "Cutting Patterns"

BeamEditor	Enhancement	Fusion of the two selection modes „select“ and „focus“
BeamEditor	Enhancement	Revised Project Explorer: Double click selects element
BeamEditor	Enhancement	<p>Material and Cross Section Database: User can collect material and cross section parameters to use them in later projects:</p> 
		Create new beam link: Redesign of dialog “Choose Rotational Point”
BeamEditor	Enhancement	Spilt links: New Links are created without “Save”-Button. No use of BM_DIS
BeamEditor	Enhancement	Select Links by Filter: Filter by material
BeamEditor	Bugfix	After calculating a loadcase, triangles have disappeared
GED	Enhancement	View Options: Display link width visualises width of membrane links
GED	Enhancement	View Options: Enslavements can be hidden and scaled

GED	Enhancement	Viewer: If there is no license, GED can be used as pure viewer, without ability to save data
GED	Enhancement	<p>Chooser dialog when multiple objects are overlaid:</p> 
GED	Enhancement	Split link: Change in calculation of the unstressed length
GED	Enhancement	Stressvu: Filter by additional attribute also for struts
GED	Bugfix	Selection of scales vectors
GED	Bugfix	Hidden objects are considered by filters
GED	Bugfix	Default buttons in floating properties panel
Strip	Bugfix	Division by zero when changing cartesian coordinates
Strip	Bugfix	In radial nets, one line was created too much

FormEdit	Enhancement	<p>A new mesh offset type “Centered”</p> <p>Centerd means that the first mesh line and the last mesh line have the same distance (offset) to the leftmost respectively rightmost boundary point. The same is valid for the topmost and lowest boundary point. Centered is now the default setting for all new FormEdit projects.</p> 
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Easy Shell

Module	Type	Description
Shell	Enhancement	<p>Select Project Path: Use of modern select folder dialog:</p> 
Shell	Enhancement	<p>The time required for changing the project has been optimized, especially if the project folder is stored on a network drive</p>

Shell

Enhancement

Redesign of all Settings dialogs:

FOFIN Settings

Start Up Parameters

Working path: D:\Temp\Easy\4P

Use	Key	Value	File extension	I/O
	INI	EASY	.INI	↔
	EIN	ZUSN	.EIN	↔
<input type="checkbox"/>	LAST		.LAS	↔
<input type="checkbox"/>	GLEITEN		.GLE	↔
	OUTPUT	FOFIN	.OUT	→
	AUS	FOFIN	.EIN	→
	REST	FOFIN	.LAS	→

Hide unimportant startup files

Start + Close Apply + Close Defaults Cancel Help

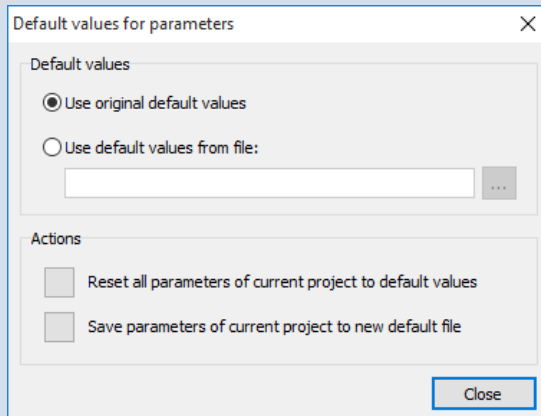
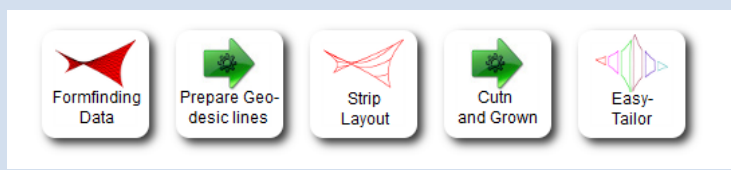
FOFIN Settings

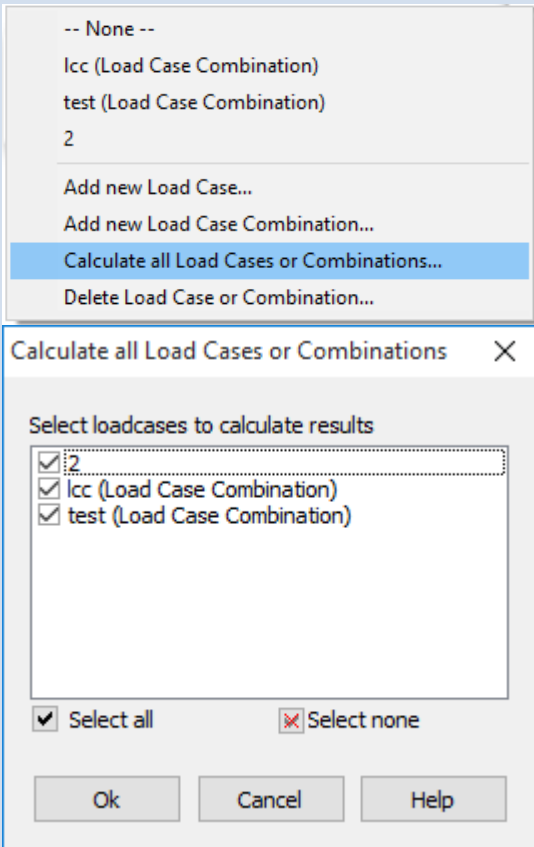
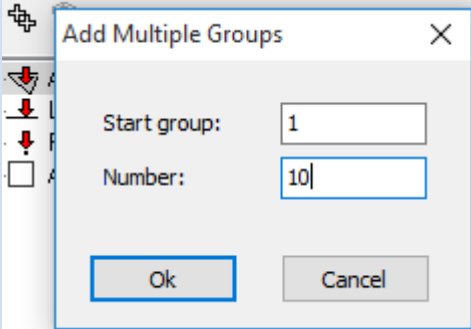
Start Up Parameters

Description	Key	Value
Max. outer iterations	MAX. AEUSSERE ITERATIONEN	21
Max. inner iterations	MAX. INNERE ITERATIONEN	200
Stop criterion	EPSILON (KON. GRADIENTE)	0.1
Small number	EPSILON (KL. ZAHL)	0.1E-07
Critical stiffness	CMIN (TESTVALUE)	0.1E-06
<input checked="" type="checkbox"/> Kind of calculation	NROB	Linear
Switch orientation of anchor forces	IORI	<input checked="" type="checkbox"/>
To write big OUTPUT-file	IWRIO	<input type="checkbox"/>

Hide unimportant parameters

Start + Close Apply + Close Defaults Cancel Help

Shell	Enhancement	<p>Options/Default values for parameters: Parameter settings of a project can be stored in a separate file (copy of easy.ini). This file can be set as default parameter file for new projects:</p> 
Shell	Enhancement	<p>Easy Tailor is now default program in “Cutting Pattern Generation” and “Automatic Cutting Pattern Generation”:</p> 

Shell	Enhancement	<p>Statical Analysis: Calculate all Load Cases or Combinations</p> 
LoadEdit	Enhancement	<p>Add Multiple Groups:</p> 

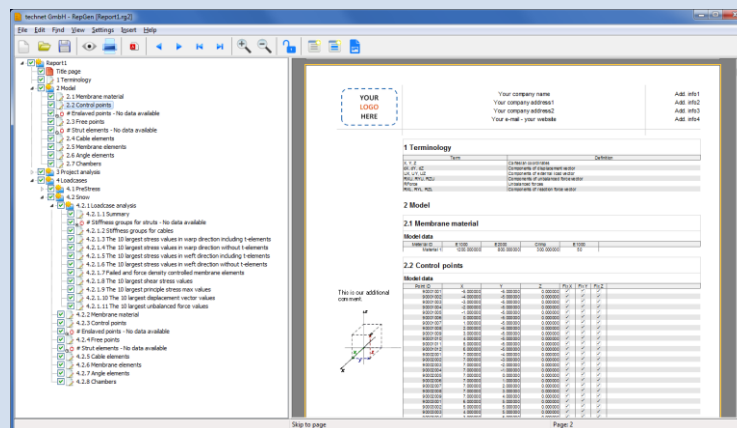
VolEdit	Enhancement	New type: V(P + P0) constant (high pressure)
DWGEasy/ EasyDWG	Enhancement	DWGEasy/EasyDWG moved from File menu to Utilities menu
Shell	Enhancement	RepGen/RepGen2: Select default program in dialog "Options/User Interface Configuration"
Shell	BugFix	PAUSE in batch jobs does not work
Shell	BugFix	Error in LoadEdit

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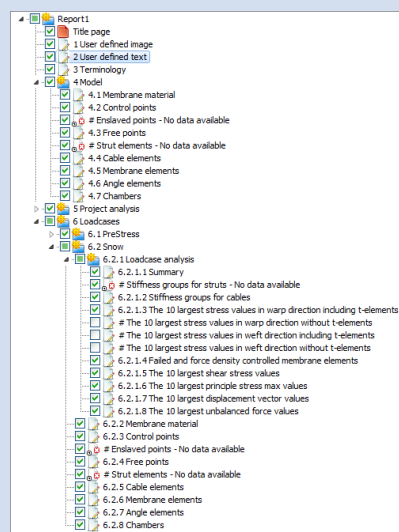
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Report generator

Module	Type	Description
RepGen	Enhancement	We have completely revised the software tool for the generation of statical analysis reports. In Easy 2017 the user has the possibility to select either the old report generator or to select the new tool (see Options/User Interface configuration/Classic/Modern in the Easy Shell menu).



RepGen	Enhancement	The user has now the possibility to navigate in the report by clicking on tree items in the report tree.
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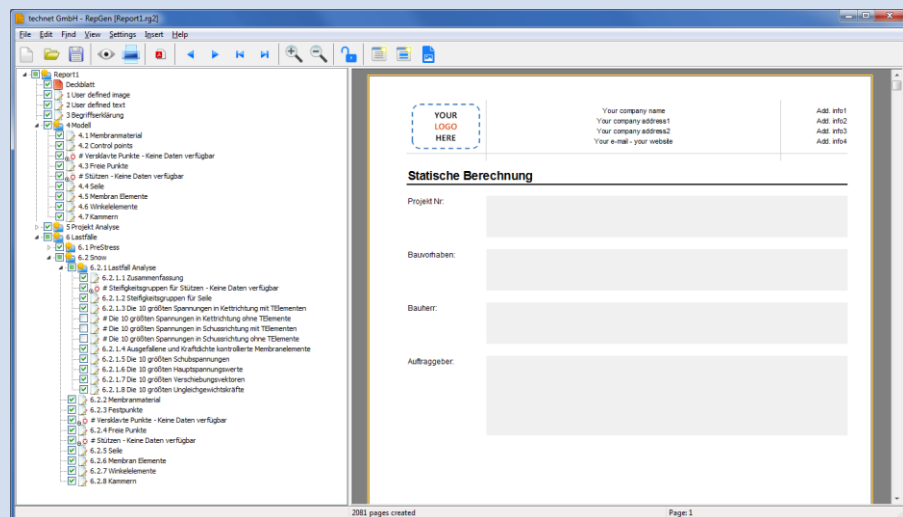
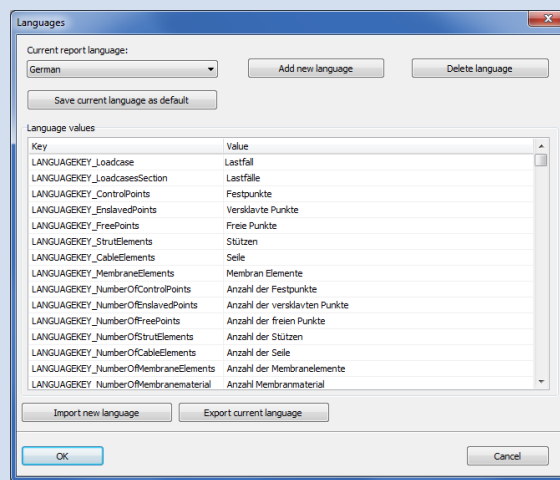
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RepGen

Enhancement

The user has now the possibility to select English or German language for the report. Other languages can be added easily.



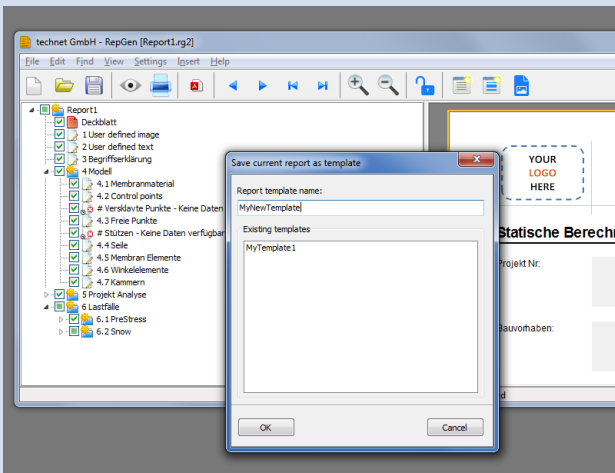
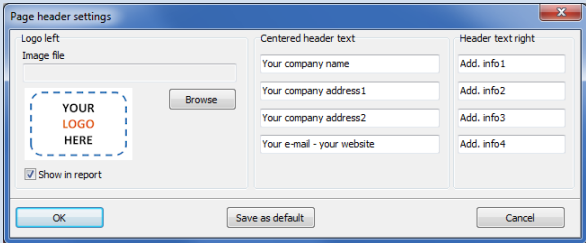
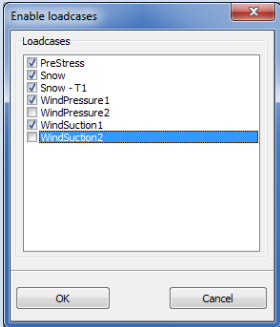
RepGen

Enhancement

It is possible to define user defined templates. Users can define their own report structure in a template and reuse the templates for new projects if they want.

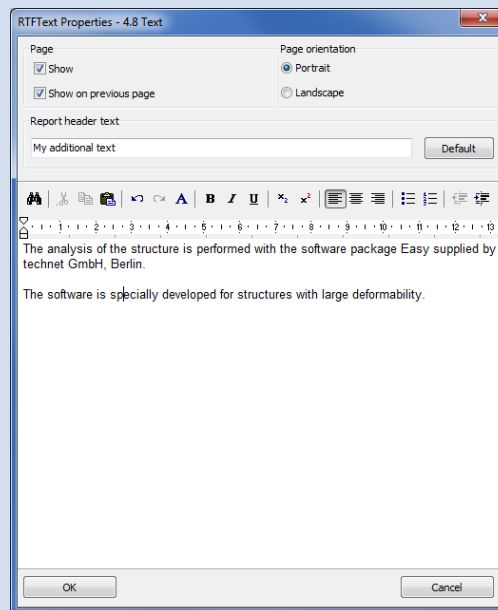
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RepGen	Enhancement	<p>We simplified the usage of parameters. The parameters can be set via dialog boxes with clear descriptions.</p> 
RepGen	Enhancement	<p>A fast option for enabling/disabling loadcases which are used in the project analysis.</p> 
RepGen	Enhancement	<p>Possibility to insert user defined text files or text blocks.</p>

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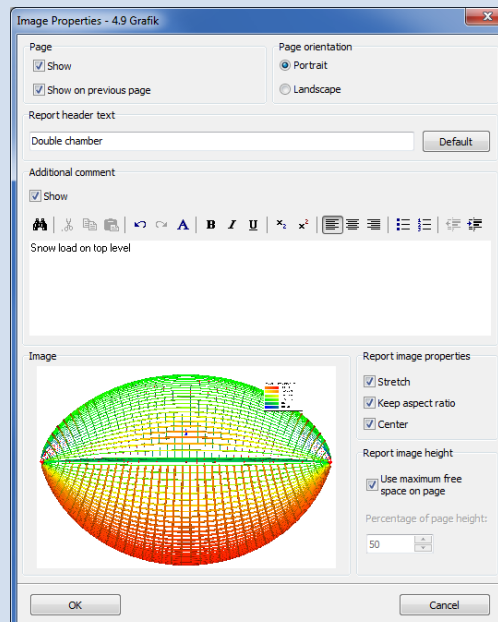
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RepGen

Enhancement

Possibility to insert user defined images.



YOUR
LOGO
HERE

Your company name
 Your company address1
 Your company address2
 Your e-mail - your website

Add. info1
 Add. info2
 Add. info3
 Add. info4

1.6 Angle elements

Center point	First point	Second point	Stiffness	Unstressed angle
40006238	80000179	40006239	0.727079	85.769311
40006240	40006239	80000183	0.754707	87.587591
40006239	80000181	40006240	0.758470	84.136017
40006240	80000183	80000184	0.763362	92.387727

1.7 Chambers

Chamber ID	Volume	Inter pressure	Calculation mode
1	199.999994	0.215177	V fixed
2	249.999990	0.229178	V fixed

1.8 My additional text

The analysis of the structure is performed with the software package Easy supplied by technet GmbH, Berlin.

The software is specially developed for structures with large deformability.

1.9 Double chamber

Snow load on top layer

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Calculation programs		
Module	Type	Description
StatikX VolstanX	Enhancement	Program StatikX and VolstanX are improved. The influence of the crimp is considered if the result is close to the figure of equilibrium. The time consuming updating of the crimp equations in outer loops is now obsolete. The calculations are two times faster.
Stline	Enhancement	The program Stline creates automatically the membrane pocket for the boundary cables.
Additional points	Enhancement	New batch job for additional points. See Easy Training manual page 463 or example 13.
Material Database	Enhancement	The definition of cross sections in Easy.Beam is supported by an individual material database. The user can create its own data base with often used cross sections and material values.

System Requirements

Operating systems

- Windows 10 (current service pack) 64-bit
- Windows 8.1 (current service pack) 64-bit
- Windows 8 (current service pack) 64-bit
- Windows 7 (current service pack) 64-bit

Minimum Hardware

- A graphic card with an OpenGL accelerator is strongly recommended.