

PreDim: Statics software Architects

Reliable results in 1 minute!



Version info

Novelties of version 8.3.3

- Acceleration of the search function in PreLoad (400 %)

Novelties of version 8.3.2

- EN 1991-1-3 Euronorm snow load calculation more than 600 localities in Luxembourg

Novelties of version 8.3.1

- EN 1991-1-3 Euronorm snow load calculation more than 6.000 localities in Belgium

Novelties of version 8.3.0

- EN 1991-1-3 Euronorm snow load calculation provinces Liège & Hainaut

Novelties of version 8.0.7

- Software manual in Dutch

Novelties of version 8.0.6

- higher error tolerance in PreDict (special characters)

Novelties of version 8.0.5

- new help text

Novelties of version 8.0.4

- Software manual

Novelties of version 8.0.3

- round Board laminated wood

Novelties of version 8.0.2

- Safety inquiries

Novelties of version 8.0.1

- additional text info in PreDim.txt and Project.txt

Novelties of version 8.0.0

- Project: Project Management

Novelties of version 7.11.1

- Faster load of PreLoad results in PreDim

Novelties of version 7.11.0

- Wood calculation according EN338 (Eurocode 5)

Novelties of version 7.10.0

- Hollow tubes in glues laminated timber

Novelties of version 7.9.1

- automatic settings (charge curve & contusion) for trapeze-shaped sheets

Novelties of version 7.9.0

- trapeze-shaped sheets in steel & aluminium

Novelties of version 7.8.1

- PreDict: 4-language dictionary for construction materials

Novelties of version 7.8.0

- ca. 100 new materials in PreLoad

Novelties of version 7.6.1

- small improvements in PreLoad

Novelties of version 7.6.0

- constants in PreLoad

- small improvements in PreLoad

Novelties of version 7.5.3

- Resolution of the equations of PreDim.txt

Novelties of version 7.5.2

- Graphical representation of the charge case (2D / 3D)

Novelties of version 7.5.1

- The load values are also given in kN

Novelties of version 7.5.0

- Strongly increased presentation of the results in PreDim.txt including 16 new cases

- New materials in PreLoad are included

Novelties of version 7.4.1

- simplifications PreLoad

Novelties of version 7.4.0

- ca. 4.700 new steel profiles

Novelties of version 7.3.1

- Input static material-quality

Novelties of version 7.3.0

- ca. 3.150 new steel profiles

Novelties of version 7.2.4

- better results for columns

Novelties of version 7.2.3

- Computation until the breaking point possibly

Novelties of version 7.2.2

- ca. 2.800 new profiles in safety glass

Novelties of version 7.2.1

- linguistic improvements for PreLoad & PreDim

Novelties of version 7.2.0

- Profiles in safety glass

Novelties of version 7.0.2

- better computation fire resistance

Novelties of version 7.0.1

- linguistic improvements

Novelties of version 7.0.0

- PreLoad, Calculation of dead-, live-, wind- u. snow weight
- automatic calculation of the load under circumstances of fire

Novelties of version 6.12.3

- indicates the scale for printing

Novelties of version 6.12.2

- optimization calculation of round columns

Novelties of version 6.12.1

- approx. 100 new reinforced concrete roundly

Novelties of version 6.12.0

- approx. 2.000 new DIN laminated wood profiles
- approx. 500 DIN wood profiles (without standard)
- approx. 350 W-Shapes steel profiles (international standard)
- approx. 2.800 new EN/DIN profiles in ALUMINIUM

Novelties of version 6.10.4

- new solutions for wooden floors

Novelties of version 6.10.3

- approx. 150 new square timbers DIN & without standard, round timbers

Novelties of version 6.10.2

- correction bent carriers

Novelties of version 6.10.1

- linguistic improvements

Novelties of version 6.10.0

- 92 load cases with new icons

Novelties of version 6.9.2

- save PreDim windows position and size

Novelties of version 6.9.1

- Safety factor EC simplified of 1,35
- new icons

Novelties of version 6.9.0

- Indicate computation text
- Display beam diagram (white background)
- Display beam diagram (black background)

Novelties of version 6.8.1

- new icons & pictures
- extended help

Novelties of version 6.8.0

- calculation of the fire resistance for steel & aluminium

Novelties of version 6.6.4

- increased computations accuracy of PreDim
- timber floorings in laminated wood are also possible

Novelties of version 6.6.3

- expert mode for better clarity
- renewed computation of the dead load for combined load cases

Novelties of version 6.6.2

- new standard settings for the deflection after discussion with a statics expert

Novelties of version 6.6.1

- better results for columns by examination of I_y / I_x

Novelties of version 6.6.0

- profiles are examined in 3 stages for squeezing (height/width and cross section)!
- break calculation strongly optimized (columns and bent carriers)
- 7 new cases of load, altogether now 45

Novelties of version 6.5.2

- 400 new EN/DIN profiles in ALUMINIUM

Novelties of version 6.5.1

- data to profile thickness, cross section, surface moment of inertia and weight with 1 decimal place

Novelties of version 6.5.0

- approx 2.000 new DIN/EN profiles in ALUMINIUM

Novelties of version 6.4.4

- numerous linguistic corrections

Novelties of version 6.4.3

- text assistance now with pictures

Novelties of version 6.4.2

- approx. 50 new DIN laminated wood

Novelties of version 6.4.1

- approx. 100 new DIN square timbers

Novelties of version 6.4.0

- Computation of the fire resistance for simple wood & wood floor

Novelties of version 6.0.10

- new calculation for columns

Novelties of version 6.0.9

- 3 or 4 simple bearings: no distance X necessary

Novelties of version 6.0.8

- Linguistic corrections of the Dutch version

Novelties of version 6.0.7

- Video and text with the novelties of version 06

Novelties of version 6.0.6

- Graphical presentation of the reinforcement

Novelties of version 6.0.5

- Information in the text concerning the reinforcement

Novelties of version 6.0.4

- Computation of the reinforcement for armoured concrete

Novelties of version 6.0.3

- New information in the text file concerning the fire resistance class

Novelties of version 6.0.2

- Dutch translation

Novelties of version 6.0.1

- Improvements of the choice of the fire resistance (only the choice, no changes in the text have been made)
- Profiles (in total more than 5.400) with a height of ≤ 200 cm in glued wood (timber?) as well as for reinforced concrete)

Novelties of version 6.0.0

- Computation of the fire resistance for profiles in glued wood and reinforced concrete
- New profiles in glued wood reinforced concrete

Novelties of version 5.2.0

- New copy protection

Novelties of version 5.1.3

- Improvements of the license agreement
- Improved links to the text file

New 5.1.2

- improvements mathematic inputs

New 5.1.1

- changed License

New 5.1.0

- new information in the result text file with description of the computing method on the basis 2 formulas

New 5.0.0

- new one professional assistance to 100% in 3 speaking as video and text!
- new icons
- case of load 2/2 corrects
- correction combined loads

New 4.0.2

- computed and material deflection in millimeters is indicated
- correction update of the black result diagram window

New 4.0.1

- 2 result diagrams are provided (black-and-white and white-and-black)

New 4.0.0

- providing a text file with result information, can be edited and printed out
- providing a diagram file of the result, can be edited and printed out

New 3.6.0

- new DIN square timbers
- new DIN board laminated wood
- improvements on the text

New 3.5.0

- 13 new cases of load and
- 2 new cases of load for own o. engineer computations
- thus 38 cases of load instead of 23!
- smaller improvements

New 3.0.5

- modification deflection constant
- license & readme on PreDim-menu

New 3.0.4

- announcement of the license

New 3.0.3

- help text is now 10 seconds active (not 2.5 seconds)

New 3.0.2

- elimination of errors for case of load 6 (3 support)

New 3.0.1

- start change of the deflection and the search range (%) automatically

New 3.0

- IMPORTANT combinable loads, e.g. several point with loads per unit area
- new wood profiles such as DIN of square timbers and round timbers, altogether approx. 1000 profiles more
- practically: on change of the type of material and the deflection constant the computation does not have again to be started

New 2.7

- automatic installation & deinstallation program
- help video "Ieran PreDim32 in 11 minutes"
- little changes

New 2.6.1Lt

- case of load 6 (3 simple supports) corrected
- case of load 6 & 7 (3 & 4 simple supports) without distance X
- computations (e.g. $4*26+150-27$) as input possible
- learning video (version 6)
- presentation of PreDim 06 (in video & text form)
- installation also possible under Windows ME & 98

New 2.6Lt

- new presentation
- reedited help text
- optimization of computation
- detailed help text

New 2.5

- reedited help text
- graphical presentation of beams with measures
- optimization of computation
- larger beam library
- new materials like ferroconcrete

PreDim is particularly developed for architects who make the following demands:

- find in less than 1 minute the accurate dimensions of a carrier or a column to determine
- a self-describing program that can be learned in real time
- a minimum necessarily indication of benchmark figures
- with professioneller exactness a pre-calculation
- by efficient, logical and extremely storage location-saving programming, simultaneous implementing e.g. with a CAD program completely unproblematically
- simultaneous development for Windows 95/98/ME/NT/2000/XP
- graphically responding accurate presentation of the profiles with masses, graphic announcement of variants by simple mouse-click
- calculations of new profiles with graphic announcement and accurate dimensions
- a library with variant-rich 4,500 profiles in steel, wood, glued girder and reinforced concrete
- also horizontal profile transfer and calculation possible
- an extremely strong program in German, French & English version
- simple deinstallation, with no entry into the Windows Registry o. into the Windows listing (among other things.)