

# **dvspack4web<sup>©</sup>**

User manual



## Imprint

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Subject to change

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# Technical requirements

## Operating system

Because of **dvspack4web** is a web based application, no operating system requirement are existing.

## Software environment

To use optional parts of the software, you need an **Adobe® Flash Player™** and **Cortona3D® Viewer** plug-in for your web browser. Also **JavaScript®** has to be activated!

**dvspack4web** has been tested with the following browsers:

- Mozilla Firefox 3.x / 4.x
- MS Internet Explorer 7 / 8 / 9
- Google Chrome
- Apple Safari 2.x
- Apple iPad®

## Hardware environment

Graphics resolution of at least 1024 to 768 pixel (we recommend 1280 to 1024 pixel for a better use).

## Legal information

(only for **dvspack4web** trial period)

1. You are allowed to use **dvspack4web** (named „Software" in the following) without any guarantee.
2. During the trial period you can use the software free of charge and without any responsibilities.
3. All contents' and results of the software are under copyright of DVS and you are not allowed to give them – without special agreement – to third persons or use them visual, textual or typographic. Especially the use of pictures and media files in your own web presents, publications or applications needs to be written down in an agreement with DVS.
4. You use the software and its results on your own risk. DVS does not be responsible for direct or indirect disadvantages because of using the software.

## Terms and conditions

You can find the complete „Terms and Conditions" on the website <http://www.dvspack4web.de>.

## Service and Support

If you have any problems handling the software or ideas please contact our customer support using [support@dvserp.de](mailto:support@dvserp.de).

## Introduction

**dvspack4web** is a web based version of the windows program „dvspack2010“. Both of them deliver a wide range of packaging designs in several catalogues. The parametric standards are giving dimensionally correct template drawing as DXF-file.

More information about the Windows™-based version you can find at <http://www.dvspack.de>.

## Registration

To use the trial access you have to register. All personal information is free. We only need a **valid e-mail account to send you the activation**. If you have no account yet, please click the registration link on the website portal.

The screenshot shows the 'dvspack2010' website portal. At the top, it says 'DVSQIC - die Kommunikationszentrale von DVSERP'. Below this, there are links for 'Terms of conditions (for commercial usage)', 'Available accounting models', 'Read online manual (PDF - german online)', and 'Impressum'. The main heading is 'Welcome to the dvspack4web portal'. Below this, there is a login form with fields for 'User name:' and 'password:', and a 'Login' button. A message below the login form says: 'You have forgotten your USER NAME or PASSWORD or you want to get your activation code again? Click [here](#) to request your data ...'. To the right of the login form, there is a red box with a white exclamation mark and the text: 'Try it!!! If you\'ve no account yet, please register [here free of charge](#) and not binding for a 7-days-trial access!'. Below the login form, there is a section titled 'dvspack4web - More flexible than ever Use it directly w/o installation!'. This section contains text about developing boxes for carton or corrugated board and a link to 'Anschicht auswählen'. Below this, there is a section titled 'Our web service delivers catalogs containing a wide range overview of existing construction standards. These catalogs are related to the industries major associations like ECMA or FEFCO. Additionally we have many extensions of the corrugated board standards and our own display catalog.' Below this, there is a section titled 'Anschicht auswählen' with two options: 'Chromatide Zeichnung anzeigen' and 'Fluoreszenz Zeichnung anzeigen'. Below these options, there is a diagram of a box with dimensions.

Please fill in at least the \*-marked information on the following registration form.

These fields are required:

- User name
- Password (and retype)
- E-Mail (and retype)

Please read and confirm to the „terms and conditions“!

**The following rulez are valid for user names and password:**

Characters a-z (A-Z), numbers 0-9 and special signs '-', '\_' or '@' are allowed. Both need a length of 3 characters at least. They should start with a character and are case sensitive.

If your chosen user name is already in use, you'll get an error message after click an „Register“ and you can fill in a new user name.



**DVS**  
System Software

Please register now for a 7-day-trial period  
(Within this time you can make upto 15 downloads!)

[Read informations for registration and online manual \(PDF - german only!\)](#)

Put in your preferred user name and password.

User name: MyUser  
Password: thepassword  
Retype password: thepassword

Please complete the following informations.  
(Fields marked with \* are required!)

Title: Herr  
Last name: Sample  
First name: John  
Company: The Factory  
Street: Factory Street 12  
ZIP: 55555 City: Fantasy  
Country: Gaboon  
Phone: +12 12345 789  
E mail\*: valid@e-mail.com  
Retype e mail\*: valid@e-mail.com

☐ I've read the terms and conditions and I agree on them. [\(Read here\)](#)

Register ... Back

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Fax +49 (0)2371 4379 79  
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After a successful registration you'll see the following information:

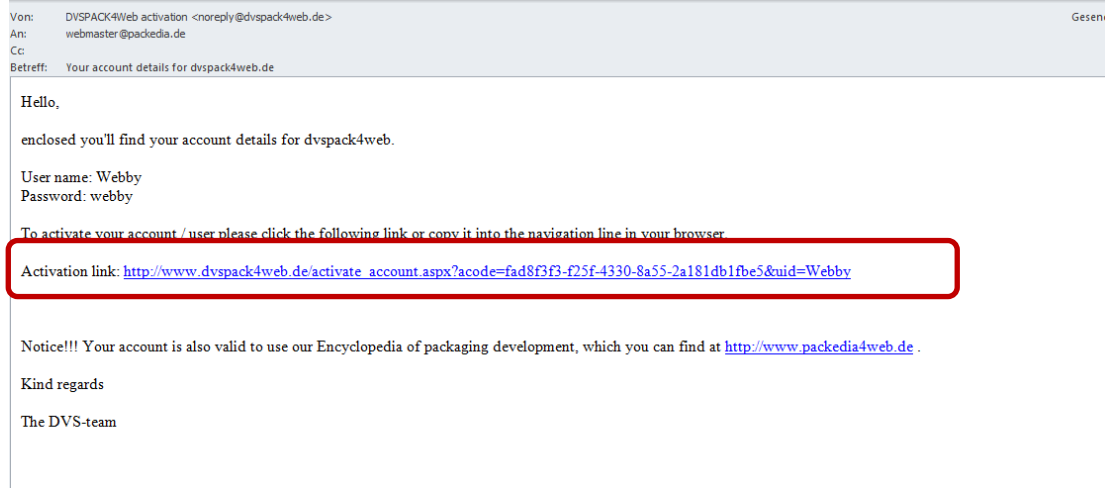
### Activation requested

An e-mail with your login details and an activation link has been sent to: [webmaster@packedia.de](mailto:webmaster@packedia.de)

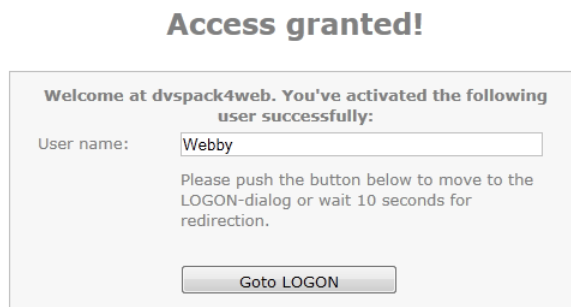
Please follow the activation link inside the message.

To login page

Please have a look into your e-mail "in-box" of the given account. You'll become the welcome message including the activation link. Please click this link or copy it the your browsers address line within 48 hours after your request – either your chosen user name is rejected and you've to redo the procedure.



After doing the activation, you'll see a message and will be redirected to the login portal.



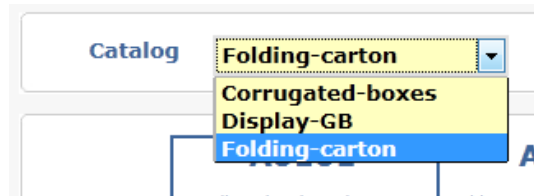


## The frontend

The frontend is separated in 3 main parts. You should use a mouse as input device.

### Catalogue selection / filter

First you should select your favourite construction catalogue. Use the dropdown list as shown in the following picture.



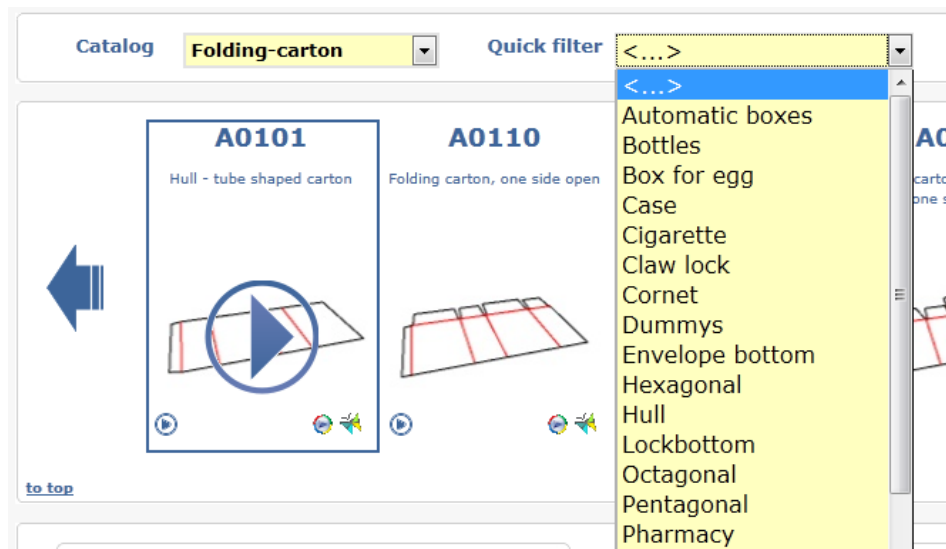
Depending on your internet speed and the amount of data the loading of the information can take a few minutes.

Selecting a "Quick filter" you can reduce the amount of listed standards. Using a manual filter you can search inside the standard names or descriptions.

Therefor you have 3 ways to go:

### Pre-defined quick filter

These filters have already been given by the system. You can use them to find quick sub groups.



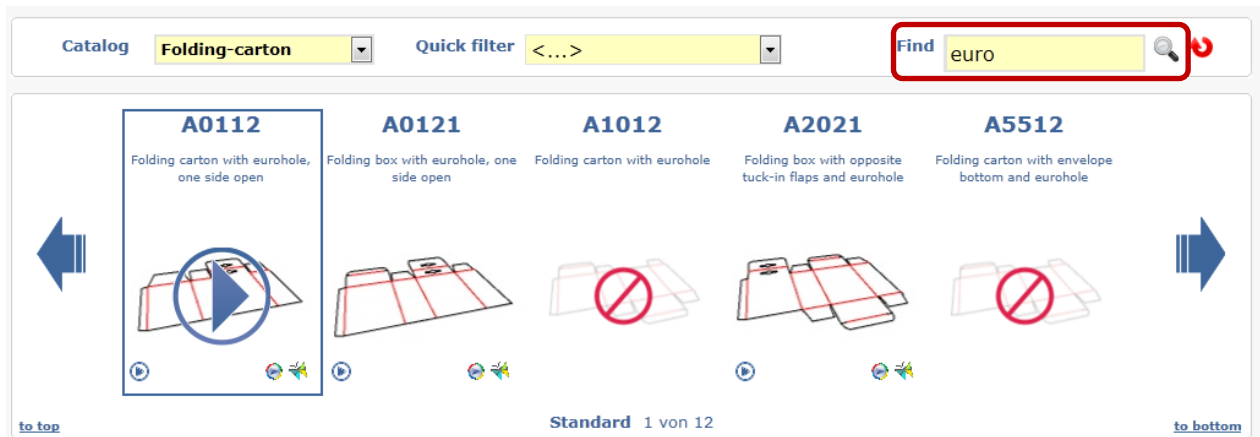
### Direct input of standard name

The direct input of a standards name gives you the possibility to go fast and direct to a single standard. If you gave the system a complete and correct standard name, no filter is set but the program moves the highlighted frame to the chosen standard. To do this, put in the standard name into the "Find" field and press "enter" or the "find"-symbol behind.

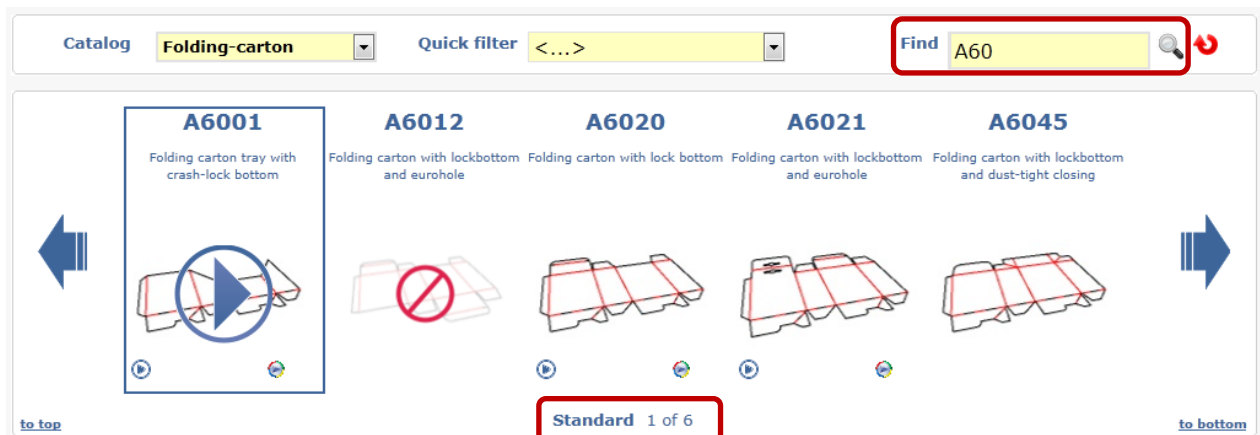


## Manual filter

Using a manual input filter you can search within the standard descriptions or set a filter on parts of standard names.



Filter on standards with expression „euro“ in description.

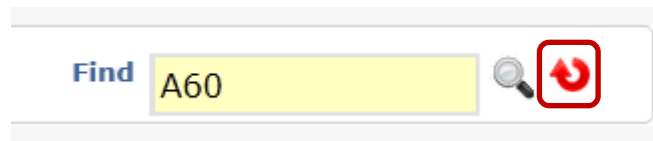


Filter on standards that belong to group: A60

Below the picture list you can see the amount of available standards for the current catalogue, filter or manual search. Also you can see the current list position in available standards

## Show all

To see all standards again please press the button beside the „Find“ input or select the first entry in the filter dropdown list shown as „<...>“.



## Navigate through standard list

To navigate or scroll through the list of available standards, please use the „arrow“-buttons on the left and right or the „to top“ and „to bottom“ hyperlinks as shown in the following picture.

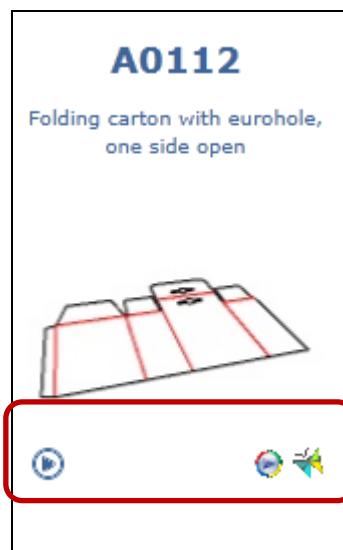
Durch die Liste der verfügbaren Standards können Sie mit den Schaltern an der linken und rechten Seite der Darstellungsliste blättern. Über die Hyperlinks *Zum Anfang* und *Zum Ende* können Sie außerdem direkt zum ersten oder letzten Standard springen.



Depending on your internet speed scrolling through the list may be faster or not.

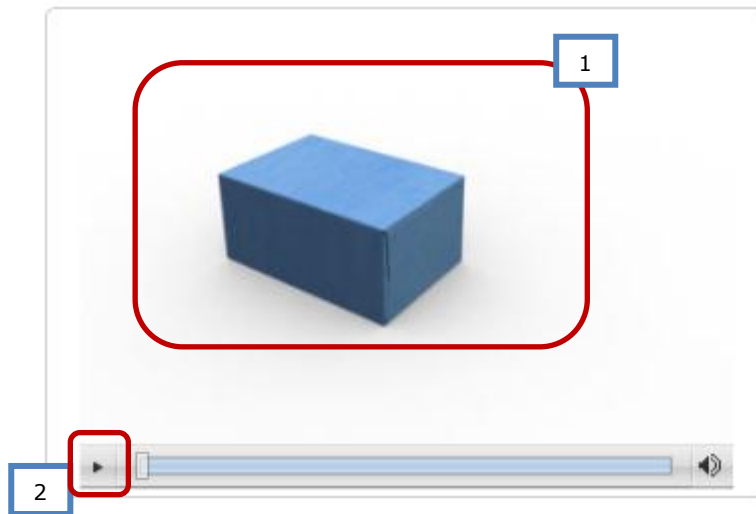
If you mouse click the standard picture a 2d symbolic drawing will be shown on the lower left and in most cases, the preview of an animated video will appear.


For the different standards you'll got several options. You can see them as small icons beneath the standard picture.



## - Show video

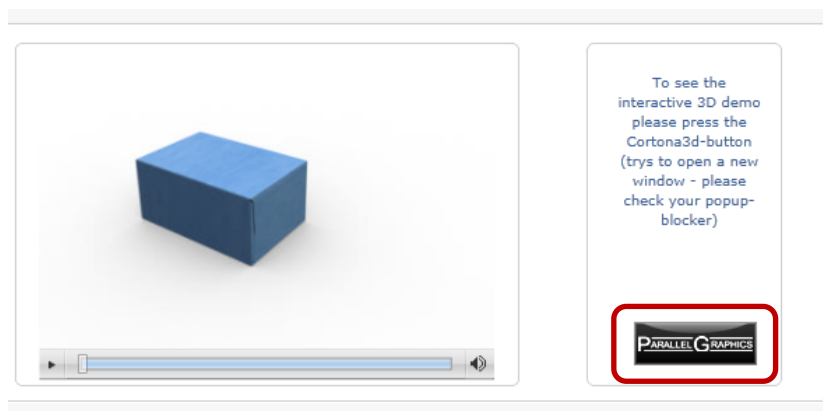
For many standards a video is available. To start playing the video, please click on the preview picture<sup>1</sup> or the "play"-button<sup>2</sup> below.



To pause the video, click the  -button.

## - interactive 3d demo

Also for many standards we have an interactive 3d animation basing on Cortona™-VRML-techniques. To use this demo, please press the small animation icon beneath the standard picture or click the large Cortona™-button as shown in the following picture.



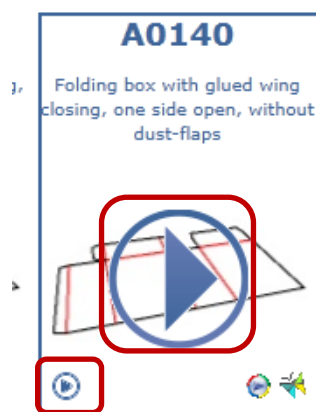
Notice! The 3d animation will try to open a new window. Some popup blockers will prevent this. Please allow dvspack4web to open new windows generally or in some cases.

Have a look on the 3d animation window how to use it.

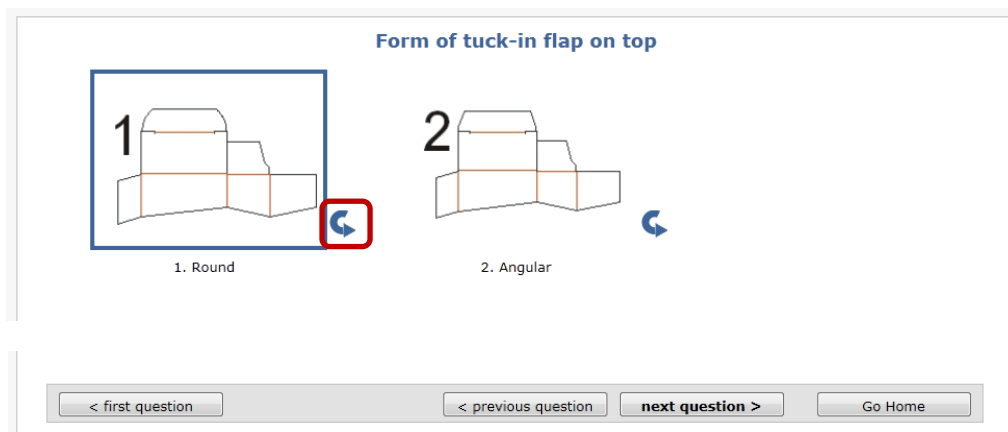



## - Make a calculation

The main feature of **dvspack4web** is to do calculation of standard packaging with minimal efforts and knowledge. As result you got a vector CAD file for use in CAD or graphic design software. For some standards no parametric calculation as available. So you won't see the icon beneath the standard picture.



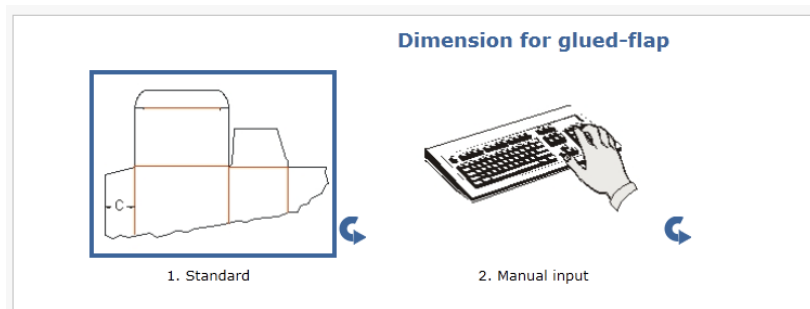
To start the calculation, click on one of the icons as shown above. First a „question-answer-dialog“ will guide you through the multiple construction possibilities of the current standard.




Select your answer clicking on the helping picture and then „next question“ button or click the small button with the reverse arrow beside  the helping picture. To discard your last answer, go back using the “previous question” button. Notice that the program doesn’t save your answers for currently given answers when you go back!

Using the buttons “first question” or “Go home” you got to the start of the dialog or back to main page.

In some questions you will be asked after the method, how dimensions should be calculated or asked for. If you chose “manual input” you’ll not be able to put in the values directly on this page but you’ll be asked after them later.

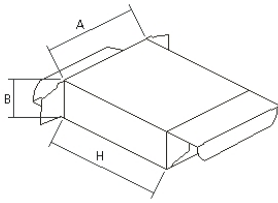


If you’ve answered all questions, you’ll be redirected to the dimension inputs. Now you have to fill in all dimensions which are necessary for the calculation.



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**Symbolic drawing**



Please click on drawing to enlarge it!

**Dimensions**

	Description	Variable	Value
<a href="#">Edit</a>	Dimension a-length	A	0
<a href="#">Edit</a>	Dimension b-width	B	0
<a href="#">Edit</a>	Dimension h height	H	0
<a href="#">Edit</a>	Grammage	GR	0
<a href="#">Edit</a>	Material quality	MS	0
<a href="#">Edit</a>	Dimension C glued-flap	C	0

**Dimension a-length**

A =

0

If no other information is given, all dimensions will be expected as millimeter (mm) or gram (gr) and the input values are for inside dimensions!

**Errors / notes**

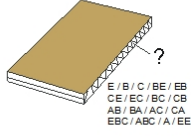
Please put in the dimensions in the field as shown above. The table is showing the values you’ve already put in. After input of every value please press “enter” or the button “apply and go” behind the input field.

All dimensions are expected as metric values as *mm* (millimetre) or *gr* (gramm).

Dimensions			
	Description	Variable	Value
<a href="#">Edit</a>	Dimension a-length	A	80
<a href="#">Edit</a>	Dimension b-width	B	50
<a href="#">Edit</a>	Dimension h height	H	100
<a href="#">Edit</a>	Grammage	GR	300
<a href="#">Edit</a>	Material quality	MS	GD2
<a href="#">Edit</a>	Dimension C glued-flap	C	12

The input of „MS“ (material quality) is only a textual information and not relevant for the calculation. But notice, that values for “corrugated board”, “flute direction” or “grammage” are important for the calculation. For this have a look on the syntax below.

**Symbolic drawing**



Please click on drawing to enlarge it!

Dimensions			
	Description	Variable	Value
<a href="#">Edit</a>	Length	L	250
<a href="#">Edit</a>	Width	B	120
<a href="#">Edit</a>	Height	H	110
<a href="#">Edit</a>	Type of corrugated board	WH	0
<a href="#">Edit</a>	Flutedirection (S or L)	R	0

**Type of corrugated board**

WH =  [Apply and go >](#)

For „corrugated board“ only values are allowed that you’ll see in the helping picture beside. For double- or triple flute have a look on the right spelling (e.g. EBC and not BCE).

For the “flute direction” normally the short cuts “S” (vertical flute) or “L” (horizontal flute) are allowed. The input description is showing the default recommendation first.

<a href="#">Edit</a>	Flutedirection (S or L)	R	0
----------------------	-------------------------	---	---

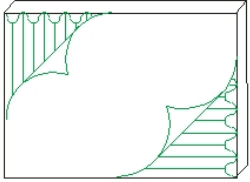
This default should not be the best decision in all cases. Please notice, that the “corrugated board” and “flute direction” selection have a massive effect on the calculation and the result drawing!

To correct a wrong input value, please click the “edit” link on the left of the values description in the table. So you have a second chance to put in the correct value. After altering one value, you’ve to apply all values which come after this again!

After all values are given, the button “Start calculation” is available. Click the button and be patient until the results or error messages will appear after a few seconds.

Most standards are checking your inputs first and send error messages if anything is wrong or not optimal.

### Symbolic drawing



Please click on drawing to enlarge it!

### Dimensions

	Description	Variable	Value
<a href="#">Edit</a>	Length	L	250
<a href="#">Edit</a>	Width	B	120
<a href="#">Edit</a>	Height	H	110
<a href="#">Edit</a>	Type of corrugated board	WH	D
<a href="#">Edit</a>	Flutedirection (S or L)	R	G

### Flutedirection (S or L)

R =  G Apply and go >

If no other information is given, all dimensions will be expected as millimeter (mm) or gram (gr) and the input values are for inside dimensions!

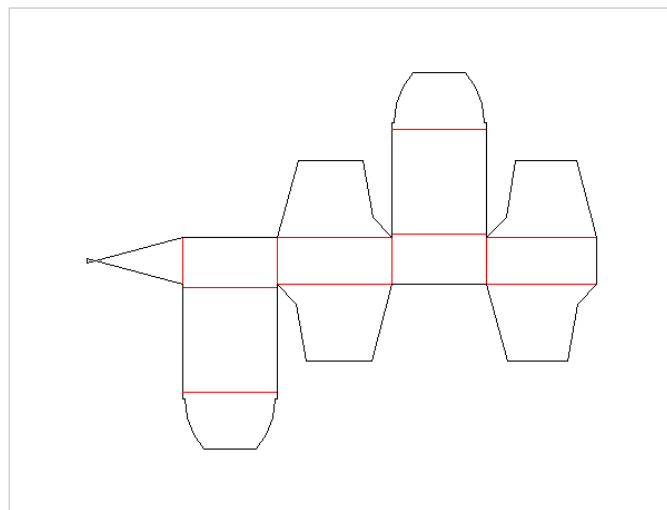
### Errors / notes

Direction of flute is false [G01]  
Type of corrugated board is false [G02]

Please correct the false values if you have some messages!

Because of the high complexity and individuality of production processes the system can't prevent all errors. Also rough errors like obviously too short dimensions will not be alerted in all cases. In most cases such enormous input errors are resulting in "Picasso"-like results (s. picture below).

**Notice! In any case the user is responsible for checking and testing the results of the calculation for correct dimensions and technical producibility!**

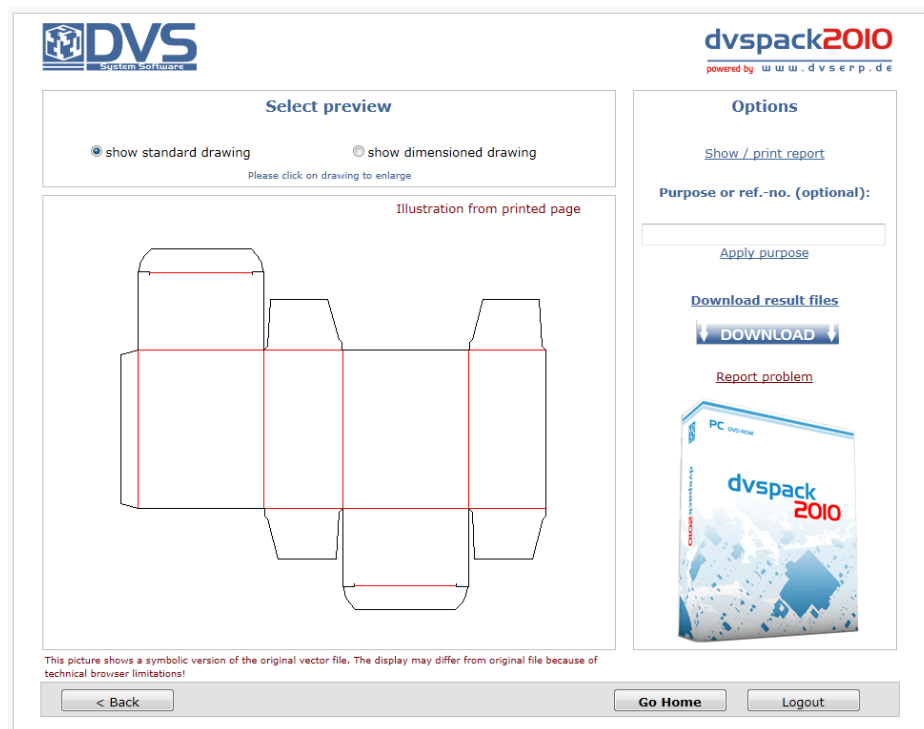


Most error messages you can ignore on your own risk and retry to calculate the construction. Some errors you have to correct before going on. In such cases the button "start calculation" is disabled.

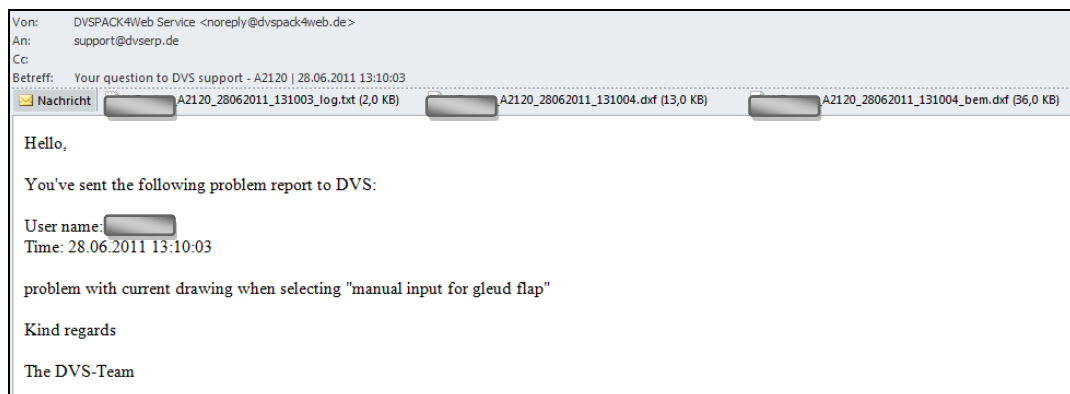
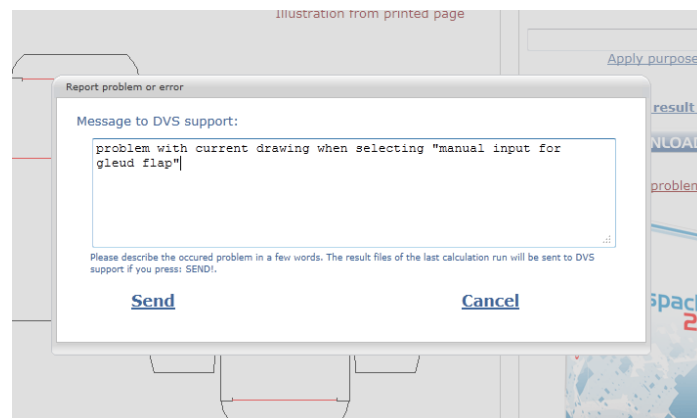
If you see in the result view that you've made false inputs or you want to correct some values, click the "back" button to redo the inputs.



The following picture shows a typical result view:



Notice, that the original result file has been generated as DXF vector file in the background. What you see in the result view is a converted preview file as JPG or PNG format to show in the browser. Therefore some differences between the preview and the original file are possible. If you're not sure, that an error is only in the preview, please send us a "problem report" using the link on the result view page. Using this way, our support gets the results and all information of your last calculation directly and in origin formats.



To switch between „standard drawing“ or „dimensioned drawing“ use the radio buttons above the result preview.

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### Select preview

☐ show standard drawing
 ☒ show dimensioned drawing

Please click on drawing to enlarge

### Options

[Show / print report](#)

Purpose or ref.-no. (optional):

[Apply purpose](#)

[Download result files](#)

[DOWNLOAD](#)

[Report problem](#)

Illustration from printed page

This picture shows a symbolic version of the original vector file. The display may differ from original file because of technical browser limitations!

[< Back](#)
[Go Home](#)
[Logout](#)

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The kind and amount of dimensioning can't be altered directly by the user and is in first case to check the correct measurements. If you download the calculation results, you'll got both drawings (dimensioned and not) as DXF file and an input log file too. You can see and print the input log directly in your browser.

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### Report

```

Datum/ date: 28.06.2011 13:02:55
Session ID : 95dfca12-19ed-4969-ala7-c7d43450a16a
Benutzer : 
Katalog : Folding-carton
Standard: A2120 - Folding carton with moved top-flaps

Form of tuck-in flap on top           Round
Safety slot upper tuck-in flap ?     Yes
Form of tuck-in flap on bottom?     Round
Safety slot lower tuck-in flap ?     Yes
Slots on dust flap ?                 Yes
Dimension for glued-flap              Standard
Dimension tuck-in flap                Without window
Execution                             Grammage ( => parametrics table )
Input dimensions

Dimension a-length                    A            80,00
Dimension b-width                     B            50,00
Dimension h height                    H           100,00
Grammage                             GR           300,00
Material quality                      MS            0,00
          
```

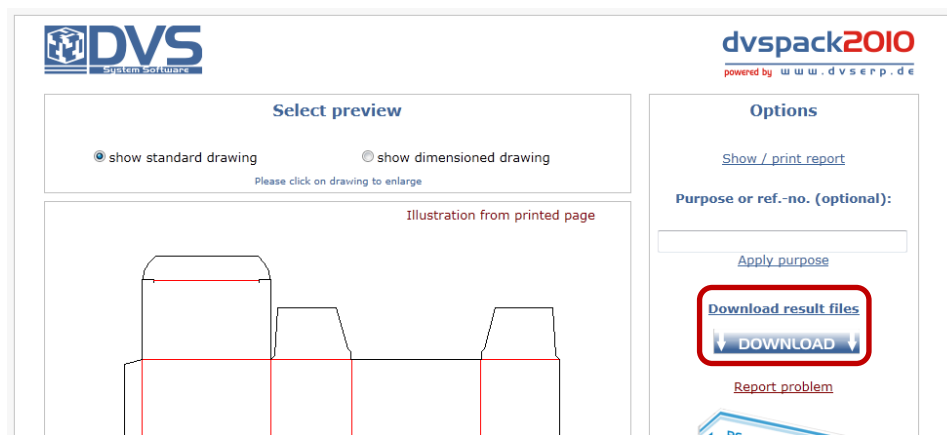
[< Back](#)
[Print report\\*](#)

\*(Opens a new window - please check your popup-blocker!)

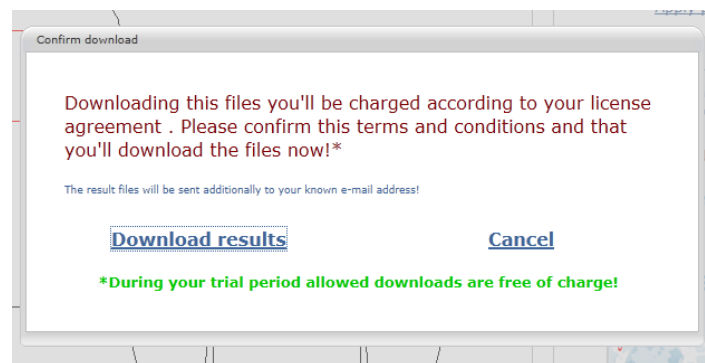
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## Download result files

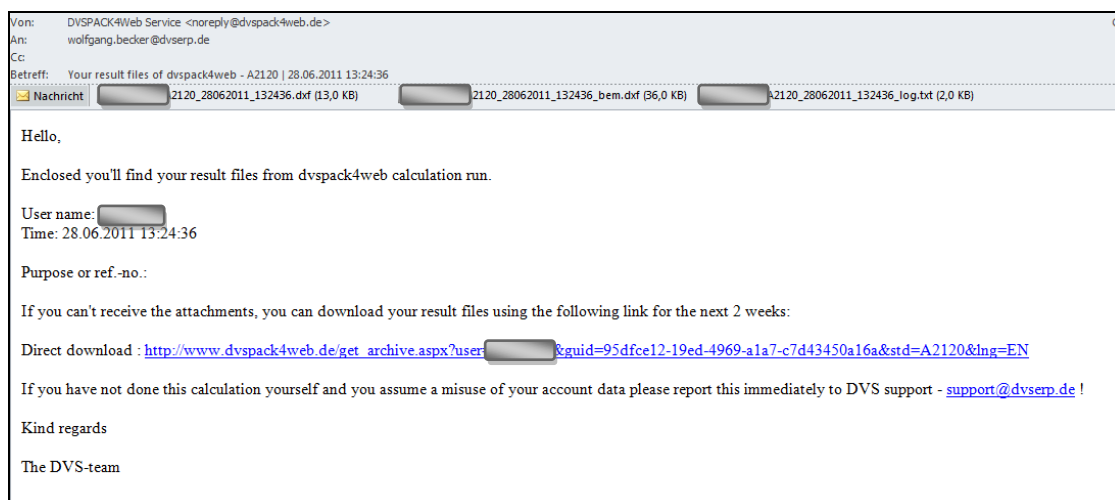
To get your result files, please click the „Download“ button or link on the right side.



A message appears that reminds you that download are NOT free of charge and you'll be charged the agreed sum for this download if you continue.



Clicking the link „Download results“ will redirect you to the download page and an e-mail with the result files will be send to you automatically. If you got such e-mails and you're sure, that YOU haven't done any calculations and a misuse of your account data is possible, please inform us as soon as possible!



## Download result files

[Download normal \(non dimensioned\) drawing as DXF-file](#)[Download dimensioned drawing as DXF-file](#)[Download protocol \(file with input log\)](#)

Please push the matching link to download the file! The files additionally will be sent to your e-mail address. If you don't get the e-mail within some minutes, please have a look into your JUNK-mail folder or check if your e-mail address is correct or not!

[< Back](#)

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This e-mail is containing a link which can be used later to go this download page again.  
Downloading the result files will be possible until 14 days after calculation.