



## *Description Webservices*



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# 1 Introduction

In this documentation is described how the Web services can be called upon in EZ-web and what the results will be.

There are, besides our Web services, more possibilities to request information from EZ-web. Click [here](#) for the concerning documentation.

The web services are suitable to, for example, occasionally make updates of article data or search for images. They are however not efficient as far as http-traffic is concerned, and therefore unsuitable for bulk-processing or as live data source for web pages. For requests Fair Use policy is applied: EZ base reserves the right to limit the number of requests. [contact](#) EZ-base for the possibilities for bulk processing.

A Web service always starts with <https://www.ez-catalog.nl/WebService/> to which several parameters can be added. These Web services work with HTTP redirect (response status code 302). This has to be followed.

In chapter 2 a Web service is described in each paragraph.

If a Web service is to be called upon without logging in, this will be noted with the specific Web service.

In most occasions it is however required to log in. This can be done [manually](#) or with a token: see paragraph 1.3 for a description.

Per Web service the syntax is stated in a frame.

The syntax consists from:

- A fixed partition, which is not marked.
- Possible basic parameters, marked blue. See paragraph 1.1.
- Other parameters, marked yellow. See paragraph 1.2

# 1.1 Basic parameters

In most Web services Basic parameters are being used. If this is the case, this will be stated in the syntax as follows: **{Basic parameters}**.

With the basic parameters an article will, always with the same search mechanism, be looked up.

What is shown of the found article depends on the Web service.

De basic parameters can, in random order be separated by a &-sign, be included.

Syntax of the basic parameters:

```
id=x&own=x&gtin=x&artnr=x &gln=x&mode=x
```

The following search results are possible:

- With submitted parameters, no article can be found. An error will be shown.
- One article is found. The result of the concerning Web service is shown.
- Multiple articles are found. The first article in the search result will be shown.

There is advised to give as many basic parameters as possible: the search result will improve. It is not always necessary to provide all basic parameters: there can also be searched with just "own", "gtin", or "id". If there is searched on just "artnr" that can result in a lot of hits. Therefore "gln" in this case has to be stated also.

Parameters	Type	Description
id=x	Integer	Article id. The unique id of an article. If this parameter is stated, max 1 article can be found (the article id is unique).
own=x	String	OwnArticleNumber: own article number of the requester. This is the most important parameter due to which first is searched for articles imported by the logged in relation, or where an own article number is linked to.
gtin=x	Integer	ArticleGtin. The EAN-article code of this article, acknowledged by the supplier (a worldwide unique coding of articles).
artnr=x	String	ArticleNumber. The article number as used by a supplier for this article.
gln=x	Integer	GLN: EAN address code of the supplier (unique code of companies worldwide).
mode=x	String	Mode. Can have the following values: <ul style="list-style-type: none"><li>• fixed: There is only searched with gtin=x within the submitted parameter gln=x.</li><li>• This parameter is left out entirely or Mode=: First there is searched within the articles of the submitted parameter gln=x. If no articles are found, there will also be searched with gtin=x without the gln.</li></ul>

## 1.2 Other parameters

If these parameters are in the syntax, they are obligatory.

Parameters	Type	Description
<b>imagetype</b>	String	Imagetype: herewith can be declared of which asset the image has to be shown. There are just two values possible: <ul style="list-style-type: none"> <li>• image: there will be searched within types of asset Image and Logo</li> <li>• icon. There will be searched within type of asset Icon</li> </ul> For explanation of Types of asset, click <a href="#">here</a> .
<b>gln</b>	Integer	EAN address code of the supplier (unique coding of companies world wide).
<b>format</b>	String	Format in which the images of the article can be shown. All images are made available in different sizes (like ImageFullSize or ImageThumbnail). For all available sizes see <a href="#">DescriptionImages</a> , paragraph 2.6 Other available sizes, parameter y.
<b>filename</b>	String	The file name of the image. It is not obligatory to mention an extension in the Web service. Whatever the extension is that is given in the Web service, the result will always be an image in jpg-format. The only exception is format Original. With this format the result will always be the original extension (no matter which extension is given).
<b>exportmode</b>	String	The export-format. At this moment only possible "WebshopXml3". For documentation on Webshop.xml version 3.0 click <a href="#">here</a> .
<b>exporttype</b>	String	The following values are possible: <ul style="list-style-type: none"> <li>• Article: the export-format only contains the found article.</li> <li>• ArticleGroup: the export-format contains the entire article group of the found article.</li> </ul>
<b>assetcategory</b>	String	Asset category: click <a href="#">here</a> for an overview of existing asset categories.
<b>certificate</b>	String	Id of the certificate. Customers can show a poster within their Webshop of article data from EZ-web. This only works if the concerning host-name is registered by EZ-base and a Certificate id is provided.

## 1.3 Token

If a Web service is approached without logging in, this is stated at the concerning Web service. In most cases however, it is necessary to log in first. This can be done [manually](#) or with a token: In the following paragraphs the last option will be described step by step.

### 1.3.1 Token request

A request can be made to the Web service the following way:

<https://www.ez-catalog.nl/WebService/Login>

By means of a POST request at this address the token can be obtained. This is possible with the help of two content types that are described in the following two paragraphs.

#### 1.3.1.1 Request with content type “application/json”

##### Requestcontent

```
{ "UserName":"tester@ez-catalog.nl", "Password":"!a9PBka2ao84yaiG" }
```

##### Successful request

results in http-statuscode 200:

```
{ "Token":"RGI0IGlzIGVlbiB0ZXN0IHdhYXJkZSBpbiBCYXNINjQmRlIGluEJhc2U2NA==", "ValidTill":"2015-01-01T00:01:00+02:00"}
```

##### Failed request

results in http-statuscode 401:

```
{ "Error":"Invalid UserName or Password" }
```

#### 1.3.1.2 Request with content type “text/xml”

##### Requestcontent

```
<EzCatalog>
  <UserName>tester@ez-catalog.nl</UserName>
  <Password>!a9PBka2ao84yaiG</Password>
</EzCatalog>
```

##### Successful request

results in http-statuscode 200:

```
<EzCatalog>
  <Token>RGI0IGlzIGVlbiB0ZXN0IHdhYXJkZSBpbiBCYXNINjQmRlIGluEJhc2U2NA==</Token>
  <ValidTill>2015-01-01T00:01:00+02:00</ValidTill>
</EzCatalog>
```

##### Failed request

results in http-statuscode 401:

```
<EzCatalog>
  <Error>Invalid UserName or Password</Error>
</EzCatalog>
```

## 1.3.2 Logging in with token

To log in successfully with the token, the client-software has to be set up to follow redirects and accept cookies.

The token that has been generated by the request (described in the previous paragraph) is valid for 10 minutes after issue. Within these 10 minutes there can be login in two ways. This is described in the following paragraphs.

### 1.3.2.1 Token in http-requestheader

- Use this method if the Web service is used software based.
- Add the following http-requestheader to the GET-request of the to be approached Web service:

EzCatalogToken : {token}

- When the token is given in the request header, than errors like authorisation problems and unfound articles are handled by means of relevant http-status codes (401-unauthorized, 404-not found, etc.)

### 1.3.2.2 Token in Url

- Use this method if the Web service results in a page for a user.
- Add the token to the querystring of the to be approached Web service.

*Example::*

<https://www.ez-catalog.nl/WebService/Article/?own=&gtin=7314150239467&artnr=&gln=&mode=&token=MQA3ADAAOQA3ADAARgAxADUAQwA0AEQAMgA0AEMAQgA0ADMAOAAyAEMAQgBCADAAMQAxADUANgBEADcAMQAwADEAMABCADkAMABEAQANQBFAEMAMgAzAEEARQAwADYARABFADIAMQBGAEFAMwBBADMAOAA4AEYANgAwADYARQAxADgAQAxADUANQBCADkAQQA3ADgAQgAyADAAOAA4ADUAMgAxADMAMQA5ADAANwA0ADYARQBCEUARQBFAEIARAAzAEQAMQBEADgAQgA4ADQANAA3ADYAOQBDAEEAQwA2AEMAQgA5ADEANABFAEEAQBBADAANgA0ADIAQgA2AEUAQQAyAEMARgAzADYANQBDADcAQQA1AEUARQBBAEMARgA2ADgARAA2ADUAMQBDADIAMgAyADcAQQA0ADYAMQA4AEYANQAwADQA0AA5AEIAOQBCEYAMwAxADYANAA0AEMAMwA2ADkAQwAxADcARAAYADUANgBCADAAMABEADQARgA3AEEAQwBCADMANQAYADgARABGAEMANQAwAEEAQgAwAEIAMwA2AEYAMAA5ADIAQQA4ADQAMwA2ADAANwBEAA%3d%3d>

- Note: the token has to be URL-escaped.
- For a valid token counts:
  - If the token is valid for the current logged in user, nothing changes.
  - If the token is valid for a user other than the current logged in user, than the logged in user will be logged out and the token-user will be logged in.
- With an unvalid token the current logged in user will be logged out.
- Errors like authorisation-problems and unfound articles will be processed by means of a redirect to a relevant page (Logon, Article not found, etc..)

## 2 Web services

### 2.1 Open Article page

<https://www.ez-catalog.nl/WebService/Article/?{Basisparameters}>

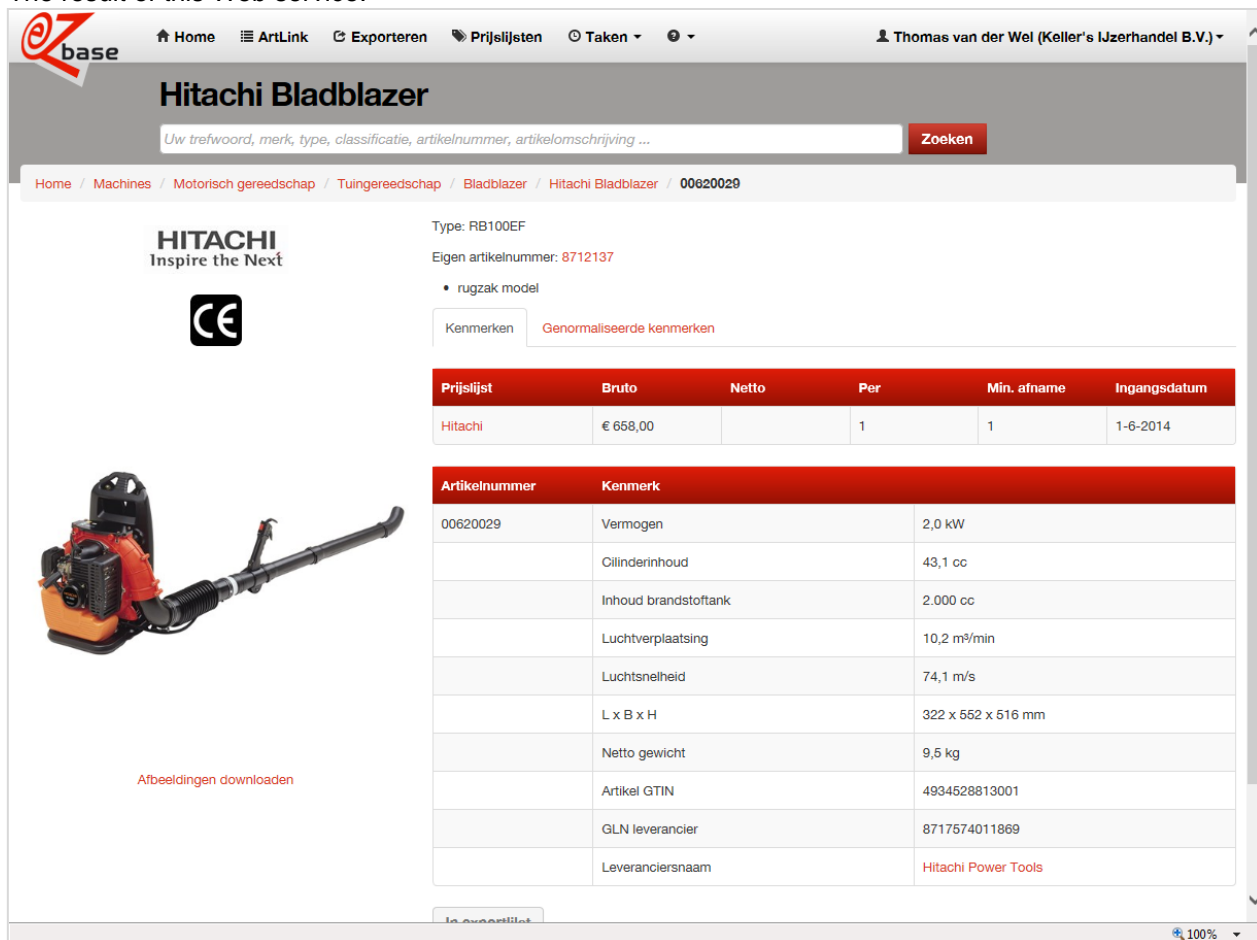
Click [here](#) for an explanation about basic parameters.

For this Web service counts: there has to be logged in in EZ-web. If not logged in while approaching the Web service, the log-in screen appears first. After logging in the Web service will still be processed. Logging in can proceed through a log-in-token, see paragraph 1.3.

Example:

<https://www.ez-catalog.nl/WebService/Article/?own=8712137&qtin=4934528813001&artnr=00620029&gln=8717574011869>

The result of this Web service:



**HITACHI**  
Inspire the Next

CE

Type: RB100EF  
Eigen artikelnummer: 8712137  
• rugzak model

Kenmerken **Genormaliseerde kenmerken**

Prijslijst	Bruto	Netto	Per	Min. afname	Ingangsdatum
Hitachi	€ 658,00		1	1	1-6-2014

Artikelnummer	Kenmerk	
00620029	Vermogen	2,0 kW
	Cilinderinhoud	43,1 cc
	Inhoud brandstoftank	2.000 cc
	Luchtverplaatsing	10,2 m <sup>3</sup> /min
	Luchtsnelheid	74,1 m/s
	L x B x H	322 x 552 x 516 mm
	Netto gewicht	9,5 kg
	Artikel GTIN	4934528813001
	GLN leverancier	8717574011869
	Leveranciersnaam	Hitachi Power Tools

Afbeeldingen downloaden



## 2.2 Add and clear articles from ERP-list

It's possible to place articles in an ERP-list in EZ-web. With the selection present in this list, there are several possibilities. For more information about the ERP-list click [here](#).

### 2.2.1 Add articles to ERP-list

With this Web service it's possible to add one article to the ERP-list.

<https://www.ez-catalog.nl/WebService/ExportList/Add/?{Basisparameters}>

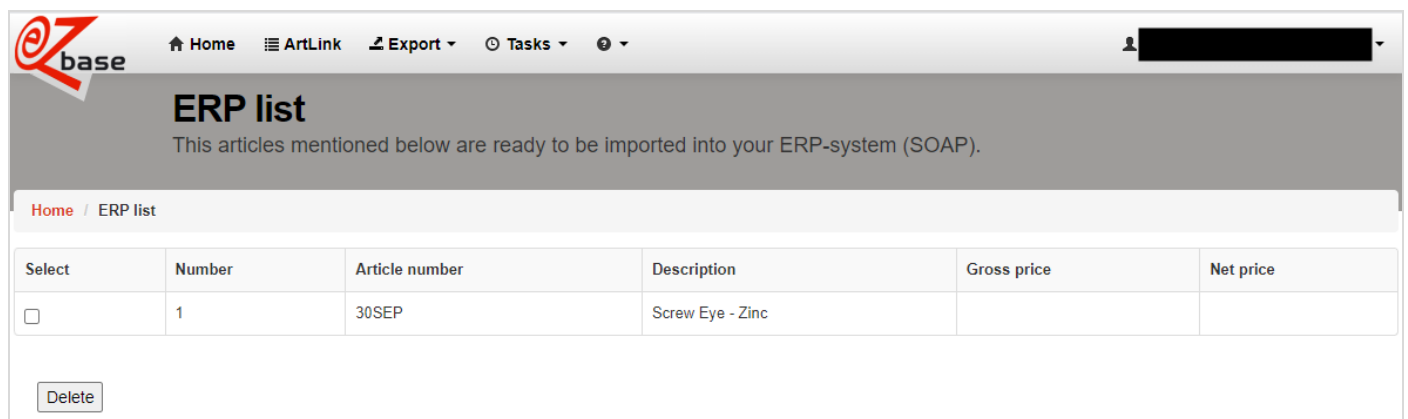
Click [here](#) for the explanation about basic parameters.

For this Web service counts: first there has to be logged in in EZ-web. If not logged in while approaching the Web service, the log in screen appears first. After logging in the Web service will be executed. Logging in can proceed through a log-in-token, see paragraph 1.3.

*Example:*

<https://www.ez-catalog.nl/WebService/ExportList/Add/?own=8712137&gtin=4934528813001&artnr=00620029&gln=8717574011869>

The result of this Web service (<https://www.ez-catalog.nl/ExportList>):



The screenshot shows the EZ-base web interface. The top navigation bar includes 'Home', 'ArtLink', 'Export', and 'Tasks'. The main heading is 'ERP list' with a subtext: 'This articles mentioned below are ready to be imported into your ERP-system (SOAP)'. Below this is a breadcrumb 'Home / ERP list'. A table with the following columns is displayed: 'Select', 'Number', 'Article number', 'Description', 'Gross price', and 'Net price'. The table contains one row with the following data: '1', '30SEP', 'Screw Eye - Zinc'. A 'Delete' button is located below the table.

Select	Number	Article number	Description	Gross price	Net price
<input type="checkbox"/>	1	30SEP	Screw Eye - Zinc		

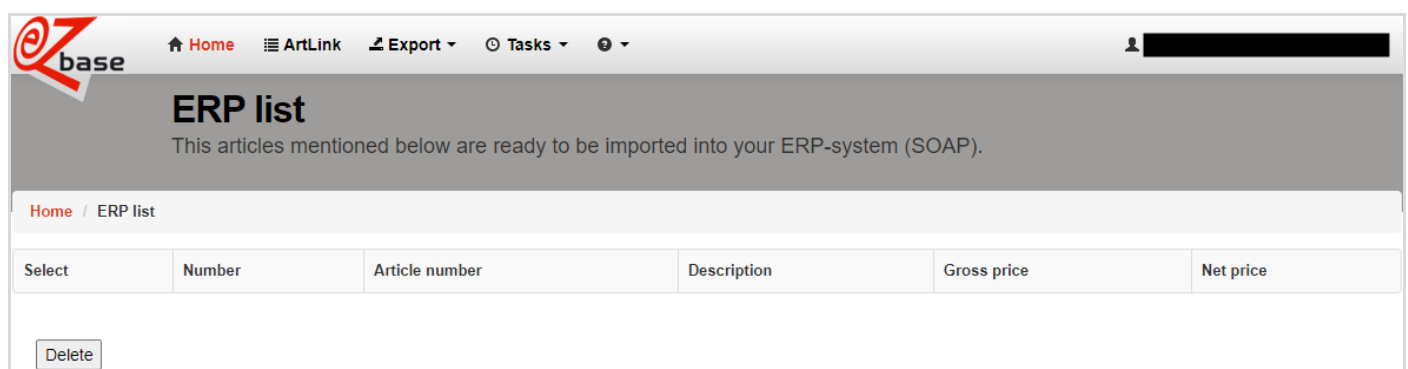
### 2.2.2 Clear articles from ERP-list

With this Web service it's possible to clear all articles from the ERP-list in one time.

<https://www.ez-catalog.nl/WebService/ExportList/Clear>

For this Web service counts: first there has to be logged in in EZ-web. If not logged in while approaching the Web service, the log in screen appears first. After logging in the Web service will be executed. Logging in can proceed through a log-in-token, see paragraph 1.3.

The result of this Web service (<https://www.ez-catalog.nl/ExportList>):



The screenshot shows the EZ-base web interface, identical to the previous one. However, the table is empty, indicating that all articles have been cleared from the ERP-list. The 'Delete' button is still present below the table.

Select	Number	Article number	Description	Gross price	Net price
--------	--------	----------------	-------------	-------------	-----------

## 2.3 Export ERP-list

It's possible to place articles in an ERP-list in EZ-web. With the selection present in this list, there are several possibilities. For more information about the ERP-list click [here](#).

With this Web service it's possible to export the articles from the ERP-list in the xml-format [Webshop.xml 3.0](#).

<https://www.ez-catalog.nl/WebService/ExportList/Export/>

For this Web service counts: first there has to be logged in in EZ-web. If not logged in while approaching the Web service, the log in screen appears first. After logging in the Web service will be executed. Logging in can proceed through a log-in-token, see paragraph 1.3.

*Example:*

<https://www.ez-catalog.nl/WebService/ExportList/Export/>

The result of this Web service is a downloadable xml-file.

## 2.4 Export article or article group

With this Web service an export can be made of one article or of one article group in a determined [export format](#).

<https://www.ez-catalog.nl/WebService/Export/exportmode/exporttype/?{Basisparameters}>

Click [here](#) for explanation about basic parameters.

Click [here](#) for explanation about the other parameters.

For this Web service counts: first there has to be logged in in EZ-web. If not logged in while approaching the Web service, the log in screen appears first. After logging in the Web service will be executed.

Logging in can proceed through a log-in-token, see paragraph 1.3.

*Example:*

<https://www.ez-catalog.nl/WebService/Export/WebshopXml3/ArticleGroup/?own=8712137&gtin=4934528813001&artnr=00620029&gl=8717574011869>

The result of this Web service is a downloadable xml-file.

## 2.5 Show images of article

With this Web service an image is shown of the specified article. If multiple images are found with the concerning article, the first image from the database is shown.

<https://www.ez-catalog.nl/WebService/ArticleAsset/format/{Basisparameters}>

Click [here](#) for explanation about basic parameters.

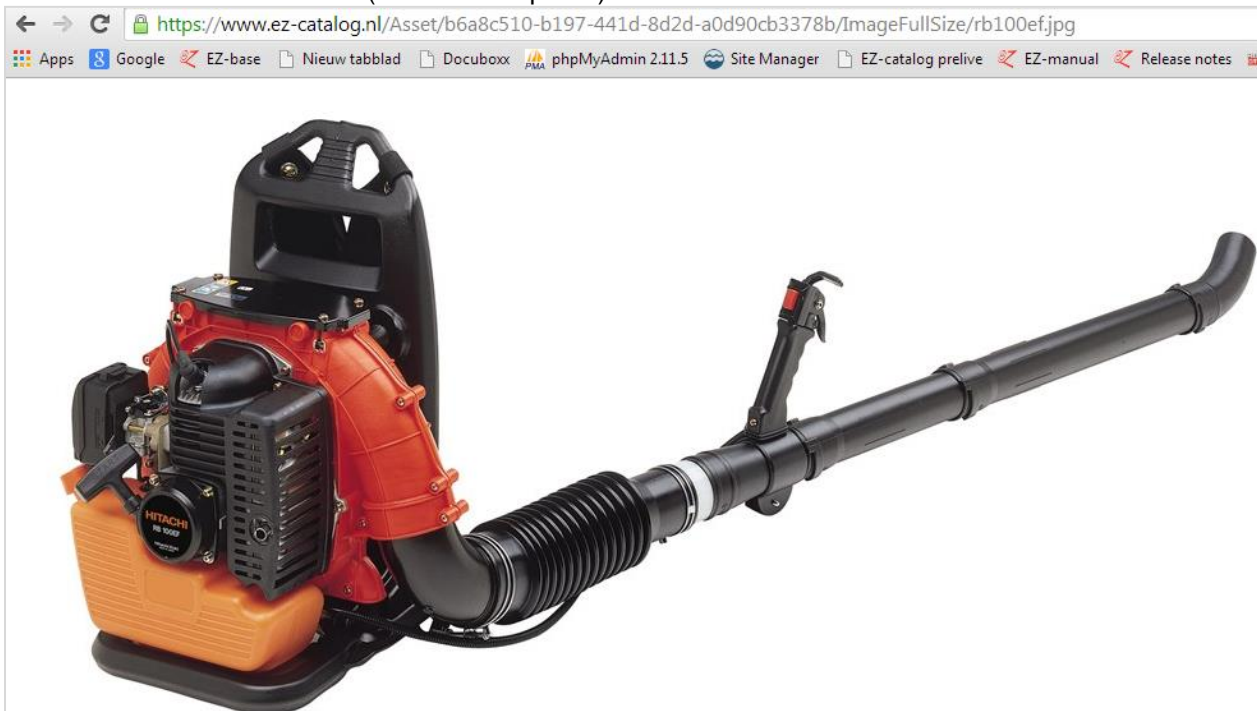
Click [here](#) for explanation about the other parameters.

For this Web service counts: first there has to be logged in in EZ-web. If not logged in while approaching the Web service, the log in screen appears first. After logging in the Web service will be executed. Logging in can proceed through a log-in-token, see paragraph 1.3.

Example:

<https://www.ez-catalog.nl/WebService/ArticleAsset/ImageFullSize/?own=8712137&gtin=4934528813001&artnr=00620029&gln=8717574011869>

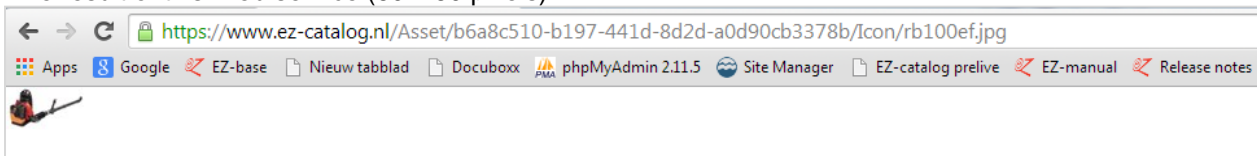
The result of this Web service (1000 x 1000 pixels) :



Example:

<https://www.ez-catalog.nl/WebService/ArticleAsset/Icon/?own=8712137&gtin=4934528813001&artnr=00620029&gln=8717574011869>

The result of this Web service (60 x 60 pixels):



## 2.6 Show images with help of file name

With this Web service it's possible to show an image if the file name is known. A file name can be looked up in several [export formats](#).

`https://www.ez-catalog.nl/WebService/ArticleAsset/imagetype/gnl/format/filename`

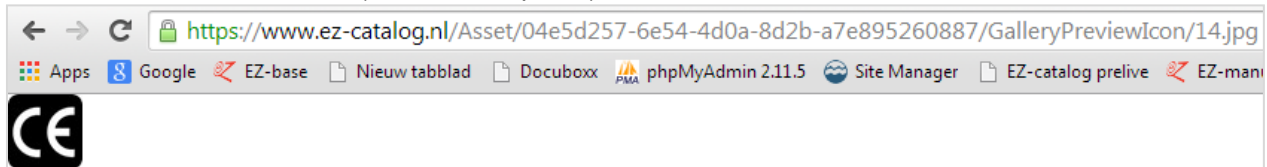
Click [here](#) for explanation about parameters.

For this Web service it's not obligatory to be logged in in EZ-web.

*Example:*

<https://www.ez-catalog.nl/WebService/Asset/Icon/8717574011869/GalleryPreviewIcon/14>

The result of this Web service(1000 x 1000 pixels) :



## 2.7 Show Certificates

<https://www.ez-catalog.nl/WebService/Certificate/assetcategory/?{Basisparameters}>


Click [here](#) for explanation about basic parameters.

Click [here](#) for explanation about the other parameters.

For this Web service counts: first there has to be logged in EZ-web. If not logged in while approaching the Web service, the log in screen appears first. After logging in the Web service will be executed. Logging in can proceed through a log-in-token, see paragraph 1.3.

Example:

<https://www.ez-catalog.nl/WebService/Certificate/DoP/?artnr=00208201&gtin=8712061103478&gln=8712061990009>

**DECLARATION OF PERFORMANCE** 

Voilegns Construction Products Regulation: (EU) No. 305/2011  
Nr. ASF 201300045  
EN 14592 13 1015

1. Unieke identificatiecode van het producttype:	DIN 601/555 zeskantbout met moer; staal verzinkt
2. Type-, parti- of serienummer, dan wel een ander identificatiemiddel voor het bouwproduct, zoals voorgeschreven in artikel 11, lid 4:	Batchnummer: zie etiket verpakking
3. Bevoegde gebruiken van het bouwproduct, overeenkomstig de toepasselijke geharmoniseerde technische specificatie, zoals door de fabrikant bepaald:	Mechanische bevestiging voor houtconstructies.
4. Naam, geregistreerde handelsnaam of geregistreerd handelsmerk en contactadres van de fabrikant, zoals voorgeschreven in artikel 11, lid 5:	A.S.F. Fischer BV Zilverstraat 1 8231 AV Lelystad Nederland
5. Indien van toepassing, naam en contactadres van de gemachtigde wiens handtekening de in artikel 12, lid 2, vermeldde taken betreffen:	Niet relevant
6. Het systeem of de systemen voor de beoordeling en verificatie van de prestatiebestendigheid van het bouwproduct, vermeld in bijlage V:	System 3
7. Indien de prestatieverklaring betrekking heeft op een bouwproduct dat onder een geharmoniseerde norm (hEN) valt:	EN 14592:2008+A1:2012, Tab. ZA.1
8. Indien de prestatieverklaring betrekking heeft op een bouwproduct waarvoor een Europese technische beoordeling (ETA) is afgegeven:	Niet relevant (zie 7)

AS.F FISCHER BV PARTNER IN FASTENERS  
Postbus 98 | 8200 AB Lelystad | Nederland | Tel: (0320) 28 05 44 | verkoop (0320) 28 36 10 | info@asf-fischer.nl | www.asf-fischer.nl  
Zilverstraat 1 | 8211 AH Lelystad | Nederland | Fax (0320) 23 38 56 | verkoop (0320) 24 26 33 | KvK Lelystad 09063428 | BTW: 8055.49.946.B01

## 2.8 Show posters

Within there Webshop customers can show a poster of article data from EZ-web.

With this Web service the correct data can be looked up en shown.

This Web service only works within a by EZ-base pre-set host-name. After setting the host-name EZ-base provides the certificate-id needed for this Web service.

<https://www.ez-catalog.nl/WebService/PosterArticle/certificate/{Basisparameters}>

Click [here](#) for explanation about basic parameters.

Click [here](#) for explanation about the other parameters.

Example (only works within the set host-name):



[https://www.ez-](https://www.ez-catalog.nl/WebService/PosterArticle/864c8b622555527502439eac11991819469a4659138892295/?own=2000221&gt;n=0088381091831&artnr=6271DWAE&gln=8712423004368)

<catalog.nl/WebService/PosterArticle/864c8b622555527502439eac11991819469a4659138892295/?own=2000221&gt;n=0088381091831&artnr=6271DWAE&gln=8712423004368>

The result of this Web service (example within a specific Webshop):

### Makita 6271DWAE Boor- /Schroefmachine 2,0ah ni-cd

ArtikeInr. 2000221  
Uw artikeInr.  
Prijs € 159,00 - 0%



#### 12V Boor- /schroefmachine

Type: 6271DWAE

Zeer aantrekkelijk geprijsde 12 V boor-/schroefmachine, zacht aandrasmoment 18 Nm, 1,5 kilogram.  
Perfekte allround machine voor middelzware werkzaamheden.  
Variabele elektrische toerenregeling voor optimaal schroefwerk.  
Maximale grip, controle en werkcomfort door ergonomische vorm en softgrip.  
Duurzaam dankzij geharde stalen tandwiel aandrijving.

Machine voltage	12 V
Toerental onbelast 1	0 - 400 min-1
Toerental onbelast 2	0 - 1300 min-1
Boorkop	1,0 - 10 mm
Var. toerenregeling (schakelaar)	ja
Aantal mechanische toeren	2
Cap. boren in hout	25 mm
Cap. boren in metaal	10 mm
Afblakkering	ja
Aandraaimoment zacht	18 Nm
Aandraaimoment hard	30 Nm
Softgrip	ja
Aandraaimomenten	16
Links-, rechtsom draaiend	ja
Type motor	2-polig
Elektrische rem	ja
Geluidsdrukkniveau (LpA)	70 dB(A)
Geluidsdrukkniveau (K)	3 dB(A)
Vibratie (K) boren in metaal	1,5 m/s <sup>2</sup>
Vibratie ah boren in metaal	2,5 m/s <sup>2</sup>
Afm. lxbxh	192x95x240 mm
Gewicht (EPTA)	1,5 kg

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