

Description Webservices



EZ-base B.V.

Frankrijklaan 6b 2391 PX Hazerswoude Dorp T (0172) 23 11 10 F (0172) 23 11 16 info@ez-base.nl | www.ez-base.nl

July 2021

Table of Contents

| 1 | Inti | roduction | 2 |
|---|------|---|-----|
| | 1.1 | Basic parameters | 3 |
| | 1.2 | Other parameters | 4 |
| | 1.3 | Token | 5 |
| | 1.3. | 1 Token request | 5 |
| | 1 | .3.1.1 Request with content type "application/json" | 5 |
| | 1 | .3.1.2 Request with content type "text/xml" | 5 |
| | 1.3. | 2 Logging in with token | 6 |
| | 1 | .3.2.1 Token in http-requestheader | 6 |
| | 1 | .3.2.2 Token in Url | 6 |
| 2 | We | b services | 7 |
| | 2.1 | Open Article page | 7 |
| | 2.2 | Add and clear articles from ERP-list | 8 |
| | 2.2. | 1 Add articles to ERP-list | 8 |
| | 2.2. | 2 Clear articles from ERP-list | 8 |
| | 2.3 | Export ERP-list | 9 |
| | 2.4 | Export article or article group | .10 |
| | 2.5 | Show images of article | .11 |
| | 2.6 | Show images with help of file name | .12 |
| | 2.7 | Show Certificates | .13 |
| | 2.8 | Show posters | .14 |



1 Introduction

In this documentation is described how the Web serives 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 <u>here</u> 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 therefor 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. <u>contact</u> EZ-base for the possibilities for bulk processing.

A Web service always starts with <u>https://www.ez-catalog.nl/WebService/</u> 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 te specific Web service. In most occasions it is however required to log in. This can be done <u>manually</u> 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>in=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 serivce 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. Therefor "gln" in this case has to be stated also.

| Parameters | Туре | Description | | | |
|---------------------|---------|---|--|--|--|
| <mark>id=x</mark> | 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). | | | |
| <mark>own=x</mark> | 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. | | | |
| <mark>gtin=x</mark> | 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. | | | |
| <mark>gln=x</mark> | Integer | GLN: EAN address code of the supplier (unique code of companies worldwide). | | | |
| mode=x | String | Mode. Can have the following values: fixed: There is only searched with gtin=x within the submitted parameter gln=x. 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 | | | |



1.2 Other parameters

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

| Parameters 8 | Туре | Description |
|-----------------------|---------|--|
| imagetype | String | Imagetype: herewith can be declared of which asset the image has to be shown. |
| | | There are just two values possible: |
| | | image: there will be searched within types of asset Image and Logo |
| | | icon. There will be searched within type of asset Icon |
| | | For explanation of Types of asset, click here. |
| gln | Integer | EAN address code of the supplier (unique coding of companies world wide). |
| format | 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 <u>DescriptionImages</u> , paragraph 2.6 Other |
| | | available sizes, parameter y. |
| <mark>filename</mark> | 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). |
| exportmode | String | The export-format. At this moment only possible "WebshopXml3". |
| | | For documentation on Webshop.xml version 3.0 click here. |
| exporttype | String | The following values are possible: |
| | | Article: the export-format only contains the found article. |
| | | ArticleGroup: the export-format contains the entire article group of the found |
| | | article. |
| assetcategory | String | Asset category: click here for an overview of existing asset categories. |
| certificate | 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 <u>manually</u> 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":"RGI0IGIzIGVIbiB0ZXN0IHdhYXJkZSBpbiBCYXNINjQmRIIGIuIEJhc2U2NA==", "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>RGl0IGlzIGVlbiB0ZXN0IHdhYXJkZSBpbiBCYXNINjQmRIIGluIEJhc2U2NA==</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 cliënt-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 loggin in 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.ezcatalog.nl/WebService/Article/?own=>in=7314150239467&artnr=&gln=&mode=&token=MQA3ADAAOQA3 ADAARgAxADUAQwA0AEQAMgA0AEMAQgA0ADMAOAAyAEMAQgBCADAAMQAxADUANgBEADcAMQA wADEAMABCADkAMABEAEQANQBFAEMAMgAzAEEARQAwADYARABFADIAMQBGAEEAMwBBADMAO AA4AEYANgAwADYARQAxADgAOQAxADUANQBCADkAOQA3ADgAQgAyADAAOAA4ADUAMgAxADMAM QA5ADAANwA0ADYARQBCAEUARQBFAEIARAAzAEQAMQBEADgAQgA4ADQANAA3ADYAOQBDAEEA QwA2AEMAQgA5ADEANABFAEEAQQBBADAANgA0ADIAQgA2AEUAQQAyAEMARgAzADYANQBDADcA QQA1AEUARQBBAEMARgA2ADgARAA2ADUAMQBDADIAMgAyADcAOQA0ADYAMQA4AEYANQAwADQ AOAA5AEIAOQBCAEYAMwAxADYANAA0AEMAMwA2ADkAQwAxADcARAAyADUANgBCADAAMABEADQ ARgA3AEEAQwBCADMANQAyADgARABGAEMANQAwAEEAQgAwAEIAMwA2AEYAMAA5ADIAQQA4ADQ AMwA2ADAANwBEAA%3d%3d

- Note: the token has to be URL-escaped.
- For a valid token counts:
 - \circ $\;$ 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 serice 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: <u>https://www.ez-</u> <u>catalog.nl/WebService/Article/?own=8712137>in=4934528813001&artnr=00620029&gln=8717574011869</u>

The result of this Web service:

| Hitachi Bladblazer | | | | | | |
|---|----------------------------------|-------------------------|--------------------|----------|---------------------|--------------|
| Uw trefwoord, merk, type, classi | ificatie, artikelnummer, artikel | lomschrijving | | Zo | eken | |
| me / Machines / Motorisch gereedschap / Tuing | ereedschap / Bladblazer / F | Hitachi Bladblazer / 00 | 620029 | | | |
| HITACHI | Type: RB100EF | | | | | |
| Inspire the Next | Eigen artikelnummer | r: 8712137 | | | | |
| | | | | | | |
| | Kenmerken G | enormaliseerde kenmei | ken | | | |
| | 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 brands | oftank | 2.0 | 00 cc | |
| | | Luchtverplaats | ng | 10, | 2 m³/min | |
| | | Luchtsnelheid | | 74,1 m/s | | |
| LxBxH | | | 322 x 552 x 516 mm | | | |
| Netto gewicht | | | 9,5 | kg | | |
| Afbeeldingen downloaden | | Artikel GTIN | Artikel GTIN | | 4934528813001 | |
| | | GLN leverancie | GLN leverancier | | 8717574011869 | |
| | | Lauranaiaran | Leveranciersnaam | | Hitachi Power Tools | |



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 possiblities. For more information about the ERP-list click <u>here</u>.

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>in=4934528813001&artnr=00620029&gln=8717574011869

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

| | ERP list This articles mentioned below are ready to be imported into your ERP-system (SOAP). | | | | | |
|-----------------|--|----------------|------------------|-------------|-----------|--|
| Home / ERP list | | | | | 1 | |
| Select | Number | Article number | Description | Gross price | Net price | |
| | 1 | 30SEP | Screw Eye - Zinc | | | |
| Delete | | | | | | |

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):

| Dase | ArtLink ∠Export • © Tasks • ● • | | | | | | |
|-----------------|-----------------------------------|-----------------------------------|----------------------------|-------------|-----------|--|--|
| | ERP list This articles mention | ned below are ready to be importe | d into your ERP-system (S0 | DAP). | | | |
| Home / ERP list | Home / ERP list | | | | | | |
| Select | Number | Article number | Description | Gross price | Net price | | |
| Delete | | | | | | | |



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 possiblities. For more information about the ERP-list click <u>here</u>.

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 <u>here for explanation about basic parameters.</u> Click <u>here for explanation about the other parameters</u>.

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:

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

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 firt image from the database is shown.

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

Click <u>here</u> 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>in=4934528813001&artnr=00620029&gln=8717 574011869

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



Example:

 https://www.ezcatalog.nl/WebService/ArticleAsset/Icon/?own=8712137>in=4934528813001&artnr=00620029&gln=871757401186

 9

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

 ← → C
 Apps

 Google
 EZ-base

 Nieuw tabblad
 Docuboxx

 PhyMyAdmin 2.11.5
 Site Manager

 EZ-catalog prelive
 ZEZ-manual

 Z
 Nieuw tabblad

 Docuboxx
 PhpMyAdmin 2.11.5

 Site Manager
 EZ-catalog prelive

 Z
 EZ-manual



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 <u>export formats</u>.

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) :

← → C Attps://www.ez-catalog.nl/Asset/04e5d257-6e54-4d0a-8d2b-a7e895260887/GalleryPreviewIcon/14.jpg
 Apps S Google
 EZ-catalog prelive
 EZ-catalog prelive
 EZ-catalog prelive
 EZ-catalog prelive



2.7 Show Certificates

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

Click <u>here</u> for explanation about basic parameters. Click <u>here</u> 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/Certificate/DoP/?artnr=00208201>in=8712061103478&gln=8712061990009

| ~ | | | × | | | | |
|---|--|--|-----|--|--|--|--|
| () (http://www | v.asf-fischer.nl/files/artike 🔎 👻 | C 🧟 asf-fischer.nl 🗙 🟠 | ☆ 🕮 | | | | |
| Bestand Edit Ga naar | Favorieten Help | | | | | | |
| 🐅 8 Google 🎥 Translate 💐 EZ-web inlog 💐 EZ-web prelive Interforce 💐 EZ-Base home 😂 Site Manager 👋 | | | | | | | |
| | PE | of RFORMANCE | | | | | |
| | Volgens Construction P | roducts Regulation: (EU) No. 305/2011 | | | | | |
| | Ν | Nr. ASF 201300045 | | | | | |
| | ENI | 14592 13 1015 | | | | | |
| | 1. Unieke identificatiecode van het producttype: | DIN 601/555 zeskontbout met moer, staal verzinkt | | | | | |
| | Type-, partij- of serienummer, dan wel een ander identificatiemiddel voar het bouwproduct, zoals voargeschreven in artikel 11, iid 4. | Batchnummer: sie etiket verpakking | L | | | | |
| | Beoogde gebruiken van het bouwpraduct, avereenkomstig de toepasselijke geharmoniseerde technische specificatie, zoals door de fabrikant bepaald: | Mechanische bevestiging voor houtconstructies. | | | | | |
| | Noom, geregistreerde handelsnaam of geregistreerd handelsmærk en contactadres van de fabrikant, zoals voorgeschreven in artikel 11, ild 5: | A.S.F. Pischer BV Zilverstraat 1 8231 AN (elysted Nederland | L | | | | |
| | Indien van toepassing, naam en contactadres van de gemachtigde wiens mandaat de in artikel 12, iid 2, vermelde taken bestrijkt. | Niet relevant | | | | | |
| 1 | 6. Het systeem of de systemen voor de beoordeling en verflaatie van de prestatiebestendigheid van het bouwpraduct, vermeld in bijlage V: | Spatem 3 | L | | | | |
| | Indien de prestatieverkloring betrekking heeft op een bouwproduct dat onder een geharmoniseerde norm (hEn) valt: | EN 14592-2008-AF-2012, Tub. 2A.1 | L | | | | |
| 2 | Indien de prestatieverklaring betrekking heeft op een bouwproduct waarvoor een Europere technische beoordeling (ETA) is ofgegeven: | Nier relevant (zie 7) | L | | | | |
| ASF <u>RECHER BV</u> Partys VB 822 Zilewing 10 | PARTNER IN FASTENERS 20 A8 Levens Tel. (0202 24 55 4 21 1 Av Levens Tel. (0202 23 5 5 | 4 varioop (0320) 28 56 15 - info@out.facteur.i www.oatKischer.ri 6 varioop (0320) 24 26 53 - KrK (septod 39005428 87W 8055.49,948.80) | | | | | |
| | | | - | | | | |



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 <u>here</u> for explanation about basic parameters. Click <u>here for explanation about the other parameters</u>.

Example (only works within the set host-name): <u>https://www.ez-</u> <u>catalog.nl/WebService/PosterArticle/864c8b622555527502439eac11991819469a4659138892295/?own=2000221>i</u> <u>n=0088381091831&artnr=6271DWAE&gln=8712423004368</u>

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

| Attakin: 20021 Definition of the second sec | Makita 6271DW/ | AE Boor-/Schroefmachine | 2,0ah ni-cd |
|--|---------------------|---|--------------------------------------|
| <text><text><text><image/><section-header></section-header></text></text></text> | Artikeinr. 2000221 | | |
| Pite 1910-0% Image: Standard Standa | | | |
| Yessore Sector Secto | ow arcikeinr. | | |
| <image/> | Prijs € 159,00 - 0% | | |
| Second | | | |
| Kinker versioner | | | |
| Image: State Stat | | | |
| Type: S2: 22002F Type: S2: 2002F Type: S2: 2002F Type: S2: 2002F <th>één met</th> <th>12V Boor-/schroefmachine</th> <th></th> | één met | 12V Boor-/schroefmachine | |
| Type: 827JDWAE Zee: astrukkelijk geprijsde 12 V boor-/schreefmachine, sucht aandreaimoment 18 Mm, 1.5 klogsm. Perfacte allowand machine voor middelxware werkzaamheden. Waisbei eskichtisch toerenergeling voor optimasia schreidverk. Massinale grip, controle en werkcamford door ergonomische vorm en softgrip. Duurzam dankkil gehande stalen tadweadmolyving. Washei eskichtisch toerenergeling voor optimasia schreidverk. Massinale grip, controle en werkcamford door ergonomische vorm en softgrip. Duurzam dankkil gehande stalen tadweadmolyving. Washei eskichtisch toerenerdendifyving. Var. toerensegling (schakelaar) Jandra imechanische toeren Zap. boren in netaal 10 nm Aandra immonent hand 30 Nm Softgrip ja Aandrasimment hand ja Nm Softgrip ja Bektozie rem ja Galudschukniveau (tpd) 3 dB(A) Galudschukniveau (tpd) 3 dB(A) Galudschukniveau (tpd) 3 dB(A) Galudschukniveau (tpd) 3 dB(A) Galudschukniveau (tpd) 15 m/s² Minstei k Doern in metaal 1,5 m/s² Wibatie k Doern in metaal 1,5 m/s² < | COM MICE | | |
| Zer santrekkelijk geprijde 12 V boor./schreefmachine, sacht aandraaimoment 18 Nim. 1, 5 klögram. Perfects allound machine voor middelzware werkcaaamheden. Vanabet elektrische toerenregeling voor optimaal schreefwerk. Maximale gipt, controle en werkcamthet door ergonomischen vorm en softgrip. Durazam dankzi geharde staten tandwelaandfiving. Maximale gipt, controle en werkcamthet door ergonomischen vorm en softgrip. Durazam dankzi geharde staten tandwelaandfiving. Maximale gipt, controle en werkcamthet door ergonomischen vorm en softgrip. Durazam dankzi geharde staten tandwelaandfiving. Maximale gipt, controle en werkcamthet door ergonomischen vorm en softgrip. Durazam dankzi geharde staten tandwelaandfiving. Maximale gipt (schakkelar) 0 - 100 mim-1 Borriop 1,0 - 10 mm Arola mechanische toeren 2 Cap. boren in hout 10 mm Aandrasinoment zacht 18 Nm Aandrasinoment and 30 Nm Softgrip ja Andrasinoment and 30 kla Geluidsdrukriveau (kpl) 70 allo(k) Geluidsdrukriveau (kpl) 3 dB(k) Geluidsdrukriveau (kpl) 3 dB(k) Geluidsdrukriveau (kpl) 1,5 kg | | Type: 6271DWAE | |
| Image: Strategy and the set of the | Thakita | Zeer anotoekkelik onodirde 12 V hoos / | chesteration and and an important 18 |
| Perfects allivoird machine voor middetxware verkkaamheden. Variabele skithisch corrempeling voor optimaal stithersfeverk. Maximale grip, controle en werkcamtfort door ergonomische voor en softgrip. Duurzaam denkzij geharde stalen tandwielaandrijving. Mashine voltage 12 V Toerental onbelast 1 0 400 min-1 Boorkop 1.0 - 1300 min-1 Boorkop 1.0 - 100 mm Var. toerenregeling (schakelaar) ja Andal mechtine voltage ja Andra moment zoht 18 Nm Aandrasimoment fard 30 Nm Softgrip ja Andrasimoment fard 30 Nm Softgrip ja Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (LpA) 152x95x240 mm Geluidsdrukniveau (LPA) 1,5 kg Mm. kobh 152x95x24 | III LULALLUL | Nm. 1.5 kilogram. | |
| Variable elektrische Uberenregeling voor optimaal schreefverk. Maximale gip, controle en werkcomfort door ergonomische vom en softgip. Duursaam dankzij geharde stalen tandwielaandnjving. Machine voltage 12 V Toerental onbelast 1 0 - 400 min-1 Toerental onbelast 2 0 - 1300 min -1 Boorkop 1,0 - 100 mm Var. toerenregeling (schakslaar) ja Aantal mechanische toeren 2 Cap. boren in hout 25 mm Cap. boren in metaal 10 mm Aandrasimoment zacht 18 Nm Aandrasimoment nard 30 Nm Softgip ja Aandrasimoment zacht 18 Nm Aandrasimoment nard 30 Nm Softgip ja Gehüdsduchviveau (LpA) 70 dB(A) Vibratie (K) Deren in metaal 1,5 m/s ² Vibratie (K) Deren in metaal 1,5 m/s ² Affin. born in metaal 1,5 m/s ² | | Perfecte allround machine voor middelzw | are werkzaamheden. |
| Maximale gin, controle an werkcomford door ergonomiache vorm en softgip. Duurasam dankaj geharde stalen tandwietstandw | | Variabele elektrische toerenregeling voor | optimaal schroefwerk. |
| Machine voltage 12 V Tearental onbelast 1 0 - 400 min-1 Tearental onbelast 2 0 - 1300 min 1 Borkop 1,0 - 10 mm Var. Iserenregeling (schakelaar) ja Aanala 2 Cap. boren in metaal 10 mm Ablokkering js Aandrasimoment hard 30 Nm Softgap ja Aandrasimoment nard 30 Nm Softgap ja Aandrasimoment nard 30 Nm Softgap ja Geluidsdruknivesu (kf) 3 dB(Å) Geluidsdruknivesu (kf) 3 dB(Å) Geluidsdruknivesu (kf) 3 dB(Å) Vibrate sh boren in metaal 2.5 m/s ² Vibrate sh boren in metaal 1.5 m/s ² Vibrate (kf) boren in metaal 1.5 m/s ² Vibrate (kf) boren in metaal 1.5 m/s ² Vibrate sh boren in metaal 1.5 m/s ² Vibrate sh boren in metaal 1.5 m/s ² Marken in tetaal 1.5 m/s ² | | Maximale grip, controle en werkcomfort (Diversam dapkvil pabarda stales tadoù | Joor ergonomische vorm en softgap. |
| Washing wolfage 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 Nout 25 mm Cap. boren in Nout 25 mm Aandraaimoment zacht 18 Nm Aandraaimoment nand 30 Nm Softgrip ja Androsimomenten 16 Links., rechtom drasiend ja Type motor ja Geluidschukniveau (LpA) 70 dB(A) Geluidschukniveau (LpA) 70 dB(A) Vibratie (K) Doren in metaal 1,5 m/s² Vibratie ab boren in metaal 1,5 m/s² Affr. botxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Duurzaam dankzij genarde stalen tanowi | elaanurgymg. |
| Torential onbelast 1 0 - 400 min-1 Borkop 1.0 - 10 mm Var. toremregeling (sthakelaar) js Aantal mechanische toeren 2 Cap. boren in nettaal 20 mm Cap. boren in nettaal 10 mm Aablokkering js Aandrasimoment zacht 18 Nm Aandrasimoment acht js Type motor 2-polig Elektrische rem js Geludsdrukriveau (LpA) 70 dB(A) Geludsdrukriveau (LpA) 3 dd(A) Vibratie ah boren in metaal 2,5 m/s² Afm. Isboren in metaal 2,5 m/s² Afm. | | Machine voltage | 12 V |
| Toerental onbelast 2 0 - 10 mm Boorkop 1.0 - 10 mm Var. toerenregeling (schakelaar) ja Aantal mechanisch toeren 2 Cap. boren in hout 25 mm Cap. boren in metaal 10 mm Aandrasimoment zecht 18 Nm Aandrasimoment hard 30 Nm Softgrip ja Aandrasimoment hard 30 Nm Softgrip ja Aandrasimoment hard 30 Nm Softgrip ja Aandrasimoment hard 16 Links-, rechtoom drasiend ja Type motar 2-polig Bektröche rem ja Geluidsdrukriveau (LpA) 70 dB(A) Geluidsdrukriveau (LpA) 70 dB(A) Geluidsdrukriveau (K) 3 dB(A) Vibratie Ah boren in metaal 1,5 m/s² Afm. Jobat 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Toerental onbelast 1 | 0 - 400 min-1 |
| Var. toerenregeling (schakelaar) Var. toerenregeling (schakelaar) Ja Aantal mechanische toeren 2 Cap. boren in huut 25 mm Cap. boren in metaal 10 mm Aatblokkering ja Aandraaimoment zacht 18 Nm Aandraaimoment hard 30 Nm Softgrip ja Aandraaimomenten 16 Links-, rechtsom draaiend ja Aandraeimomenten ja Geluidsdrukriveau (LpA) 70 dB(A) Geluidsdrukriveau (LpA) 70 dB(A) Geluidsdrukriveau (LpA) 3 dB(A) Vibratie ah boren in metaal 2,5 m/s ² Afm. John 1,5 kg | | Toerental onbelast 2 | 0 - 1300 min-1 |
| Aantal mechanische toeren 2 Cap. boren in hout 25 mm Cap. boren in metaal 0 mm Abblokkering ja Aandrasimoment zecht 18 Nm Aandrasimoment hard 30 Nm Softgrip ja Aandrasimomenten 16 Links-, rechtsom drasiend ja Type motor 2-polig Elektrische rem ja Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) boren in metaal 1,5 m/s ² Vibratie (K) boren in metaal 2,5 m/s ² Afm. ktoch 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Var Toerenregeling (schakelaar) | 1.0 - 10 mm |
| Cap. boren in metal25 mmCap. boren in metal10 mmAdblokkeringjaAandraaimoment zscht18 NmAandraaimoment hard30 NmSoftgripjaAandraaimomenten16Links-, mehtsom drasiendjaType motor2-poligElektrische remjaGeluidsdrukniveau (LpÅ)70 dB(Å)Geluidsdrukniveau (LpÅ)3 dB(Å)Vibratie (K) boren in metaal2,5 m/s²Vibratie (K) boren in metaal2,5 m/s²Afm. lebath1,5 kg | | Aantal mechanische toeren | 2 |
| Cap. boren in metaal 10 mm Aablokkering 1s Aandraaimoment zacht 18 Nm Aandraaimoment hard 30 Nm Softgrip 1a Aandraaimomenten 16 Links-, rechtsom draaiend 1s Type motor 2-polig Elektrische reim 1a Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) boren in metaal 2.5 m/s² Vibratie (K) boren in metaal 2.5 m/s² Afm. lsbxh 192x95x240 mm Gewicht (EPTA) 1.5 kg | | Cap. boren in hout | 25 mm |
| Aeblekkering ja Aandraaimoment zacht 18 Nm Aandraaimoment hand 30 Nm Softgrip ja Aandraaimomenten 16 Links-, rechtsom draaiend ja Type motor 2-polig Elektrische rem ja Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) Doren in metaal 1,5 m/s² Vibratie (K) Doren in metaal 1,5 m/s² Afm. lstxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Cap. boren in metaal | 10 mm |
| Administrationment bard 30 km Administrationment bard 30 km Softgrip Ja Administrationmenten 16 Links-, rechtsom drasiend Ja Type motor 2-polig Elektrische rem Ja Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) boren in metaal 1,5 m/s ² Vibratie ah boren in metaal 2,5 m/s ² Afm. bxbxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Asblokkering | ja 10 M— |
| Softgrip js Aandrasimomenten 16 Links-, rechtsom drasiend js Type motor 2-polig Elektrische rem js Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) boren in metaal 2,5 m/s² Vibratie ah boren in metaal 2,5 m/s² Afm. lsbsth 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Aandraaimoment hard | 30 Nm |
| Aandrasimomenten 16 Links-, rechtsom drasiend js Type motor 2-polig Elektrische rem js Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) boren in metasl 1,5 m/s² Vibratie (K) boren in metasl 2,5 m/s² Afm. lsbxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Softgrip | ja l |
| Links-, rechtsom drasiend ja Type motor 2-polig Bektrische nem ja Geluidsdrukriveau (LpA) 70 dB(A) Geluidsdrukriveau (K) 3 dB(A) Vibratie (K) boren in metaal 1,5 m/s ² Vibratie ah boren in metaal 2,5 m/s ² Afm. ixbxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Aandraaimomenten | 16 |
| liype motor 2 - powg Elektrische rem ja Geluidsdrukniveau (LA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Viloratie (K) boren in metaal 1,5 m/s² Viloratie (K) boren in metaal 2,5 m/s² Afm. bobxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Links-, rechtsom draaiend | ja Dente |
| Geluidsdrukniveau (LpA) 70 dB(A) Geluidsdrukniveau (K) 3 dB(A) Vibratie (K) boren in metaal 1,5 m/s² Vibratie ah boren in metaal 2,5 m/s² Afm. kxbxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Type motor Elektrische rem | 2-polig |
| Geluidsdrukniveau (K) 5 3 dB(Å) Vibratie (K) boren in metaal 1,5 m/s ² Vibratie ah boren in metaal 2,5 m/s ² Afm. Isboth 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Geluidsdrukniveau (LpA) | Ju 70 dB(A) |
| Vibratie (K) boren in metaal 1,5 m/s ² Vibratie ah boren in metaal 2,5 m/s ² Afm. bobxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Geluidsdrukniveau (K) | 3 dB(Å) |
| Vioratie an Doren in metaal 2,5 m/s* Afm. boxh 192x95x240 mm Gewicht (EPTA) 1,5 kg | | Vibratie (K) boren in metaal | 1,5 m/s ² |
| Gewicht (EPTA) 1.5 kg | | Vibratie an boren in metaal Men Johoh | 2,5 m/5* 107x55x240 mm |
| | | Gewicht (EPTA) | 1.5 kg |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | [PRINTEN] [SUITEN] |

