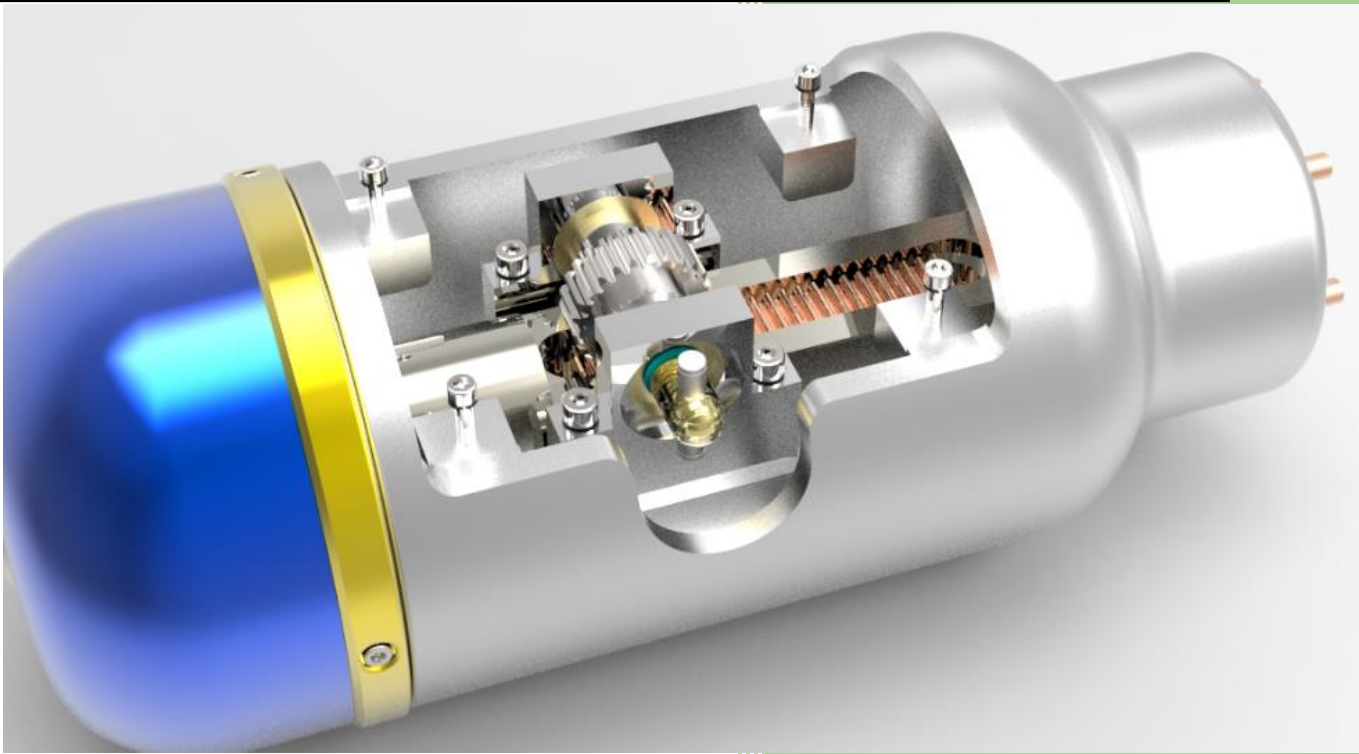


V2017

ZW3D Applications Installation Manual





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1- SimLab

SimLab Composer is designed for product design engineers to create high quality visualizations and to run dynamic simulation analysis.

As a 3D software solution for mechanical engineering, SimLab Composer includes workbenches for commercial or noncommercial use anywhere. Included workbenches in this edition are Sharing, Rendering, Animation, Simulation, Texture Baking, and Expo.





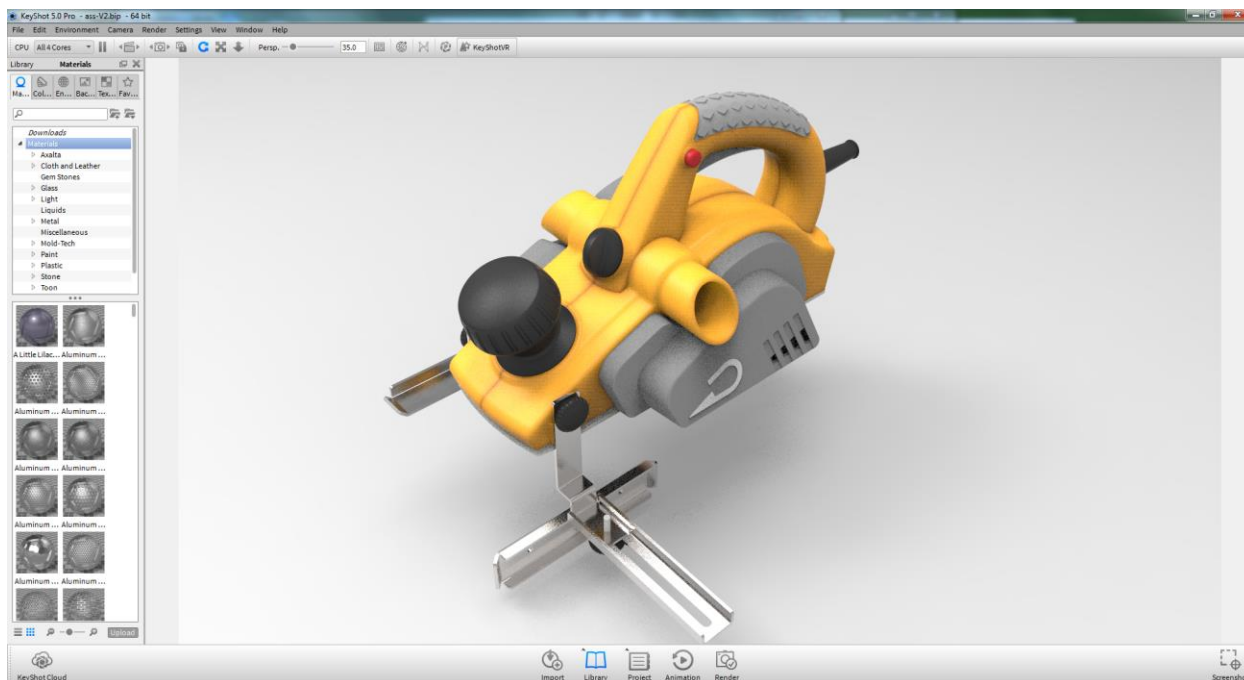
Download Link	http://dl.zwsoft.com/zw3d/Products/App/SimLab_Composer_7_v7.2.4.exe
Installation	<ol style="list-style-type: none"> 1. Download & Install ZW3D 2. Download & Install SimLab 3. Run SimLab from ZW3D Ribbon Tab
Trial	21 days free after installation
Activation	Input license code in SimLab License Manager to activate Simlab
Use	<ol style="list-style-type: none"> 1. Start ZW3D firstly 2. Click "Transfer" icon of Simlab group in ZW3D ribbon tab to directly import 3D model to Simlab 3. Render the model in Simlab
ZW3D version	ZW3D 2015 or above
FAQ	<p>Q1: Can't find the Simlab icon in ZW3D ribbon tab?</p> <p>A: Firstly, try to apply "Expert" role to check. If it doesn't work, then try to delete the user folder and restart ZW3D.</p>
Tutorial	http://www.simlab-soft.com/3d-products/simlab-composer-tutorials.aspx
Note	only provide Simlab 64 bit version



2- KeyShot



KeyShot is advanced 3D rendering and animation software that simplifies the entire media creation process with an intuitive, streamlined user interface and a revolutionary animation workflow that allows the creation of fully rendered animations in real time. The KeyShot for ZW3D plugin brings single-click integration to the product design workflow.



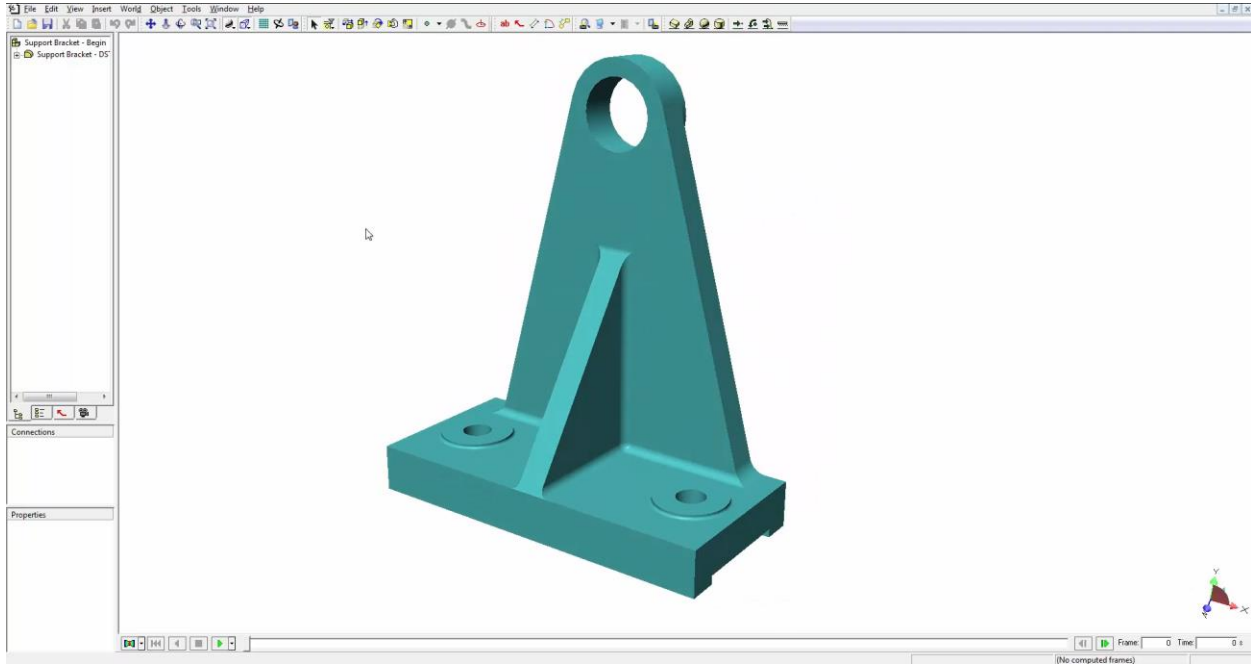


Download Link	http://dl.zwsoft.com/zw3d/Products/App/keyshot_w32_6.2.105.exe http://dl.zwsoft.com/zw3d/Products/App/keyshot_w64_6.2.105.exe
Installation	<ol style="list-style-type: none"> 1. Download & Install ZW3D 2. Download & Install KeyShot 3. Run KeyShot from ZW3D Ribbon Tab
Trial	30 days free after installation
Activation	Input license code in ZW3D License Manager to activate KeyShot
Use	<ol style="list-style-type: none"> 1. Start ZW3D firstly 2. Click “KeyShot” icon in ZW3D ribbon tab to directly import 3D model to KeyShot 3. Render the model in KeyShot
ZW3D version	ZW3D 2015 or above
FAQ	<p>Q1: Can’t find the KeyShot icon in ZW3D ribbon tab?</p> <p>A: Firstly, try to apply “Expert” role to check. If it doesn’t work, then try to delete the user folder and restart ZW3D.</p>
Tutorial	https://www.keyshot.com/learning/tutorials/
Note	



3- SimWise FEA for ZW3D

SimWise FEA for ZW3D is a Finite Element Analysis tool that performs linear stress analysis on mechanical parts designed in ZW3D. It is highly automated and handles much of the complexity associated with FEA while offering powerful features for users who are steeped in the intricacies of the Finite Element Method.



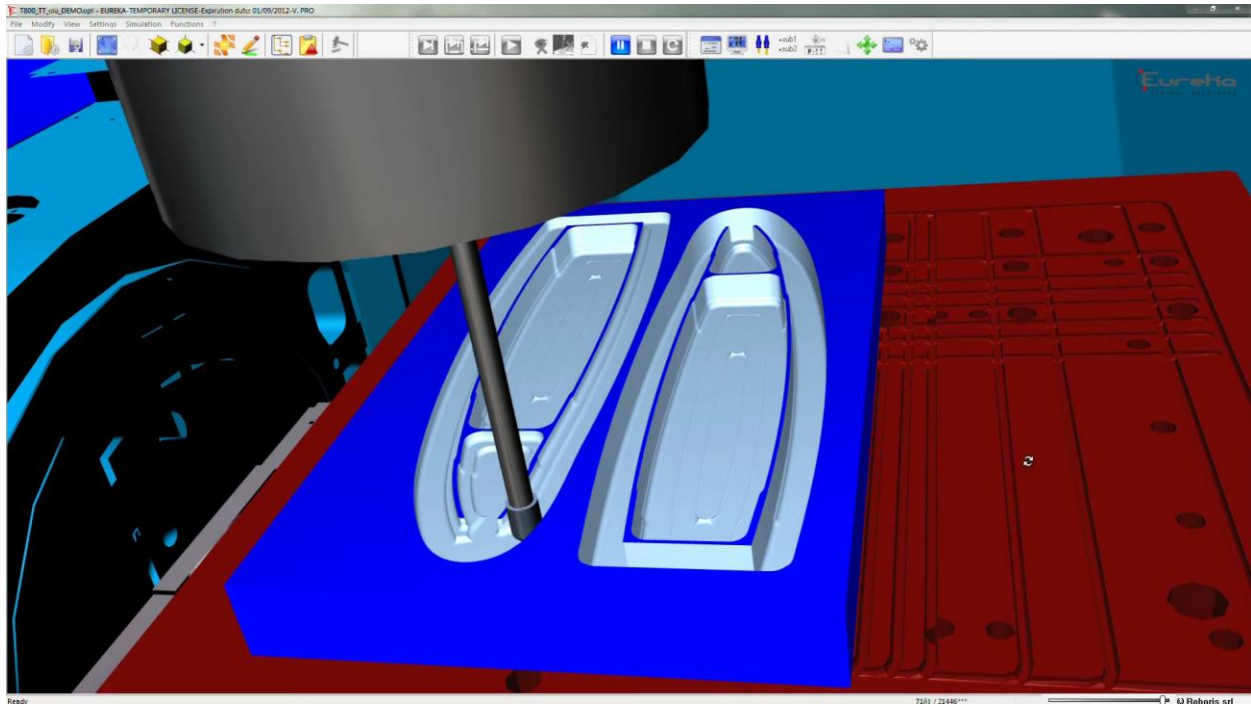


Download Link	<p>30 days trial version: http://www.zwsoft.com/zw3d/industrialsolutions/SimWise/ http://dl.zwsoft.com/zw3d/Products/App/SimWiseFEA_ZW3D_EVAL_x32.exe http://dl.zwsoft.com/zw3d/Products/App/SimWiseFEA_ZW3D_EVAL_x64.exe</p> <p>Official Version: (Need SimWise License Key to download) http://www.design-simulation.com/support/Download.php</p>
Installation	<ol style="list-style-type: none"> 1. Download & Install ZW3D 2. Download & Install SimWise FEA for ZW3D 3. Run SimWise FEA from ZW3D Ribbon Tab
Trial	30 days free after installation
Activation	Input license code in SimWise License Manager to activate SimWise
Use	<ol style="list-style-type: none"> 1. Start ZW3D firstly and build 3D model 2. Click "SimWise" icon in ZW3D ribbon tab to transfer 3D model to SimWise 3. Set the FEA parameter in SimWise FEA for ZW3D (Environment, Load Condition, Mesh, etc) 4. Run the calculation in SimWise FEA for ZW3D. 5. Post-Process the FEA result
ZW3D version	ZW3D 2015 or above (ZW3D 2015 needs extra plugin)
FAQ	<p>Q1: Click SimWise tab, but no response? A: Please check your SimWise license to make sure it is not expired or active failed.</p> <p>Q2: Transform to SimWise failed? A: Export to SAT file in ZW3D firstly, then import to SimWise for ZW3D.</p>
Tutorial	<p>Brief Introduction: http://www.design-simulation.com/videos/DisplaySimWise.php?id=33</p> <p>Tutorial: Installation directory/ tutorial</p>
Note	



4- Eureka

Eureka Virtual Machining, performs a complete 3D-simulation of any machine tool through a simple and intuitive graphical interface, using the post processed G-code tape of the real machine. Eureka helps to avoid risks of damaging expensive work pieces, breaking tools and fixtures or even crashing a CNC machine because of programming errors. Thanks to the possibility of customizations at any level many important manufactures have chosen Eureka as their own verification software and as a solution for their customers. Eureka supports any kinematics, with an unlimited number of axes, from the 2 axis lathe to the multifunction work center and multi flow machines. It emulates the most popular NC controller on the market like: Heidenhain, Fanuc, Siemens, Num, OSAI, Z32, Fidia, Selca. Other controllers can be easily integrated on demand.



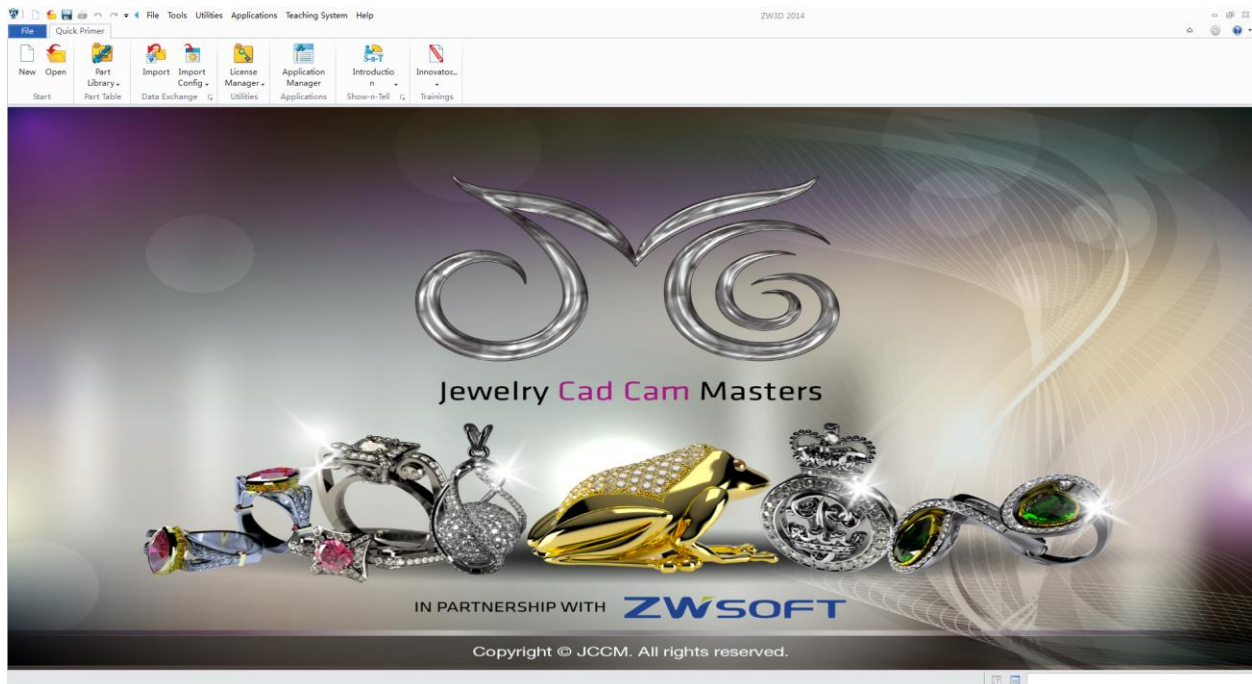


Download Link	https://www.roboris.it/en/downloads
Installation	<ol style="list-style-type: none"> 1. Download & Install ZW3D 2. Download & Install Eureka 3. Output CL in CAM, and click edit in Eureka. 4. Verify in Eureka
Trial	30 days free after installation
Activation	Input license code in Eureka License Manager to activate Eureka
Use	<ol style="list-style-type: none"> 1. Start ZW3D firstly and build 3D model 2. In CAM, output the CL file. 3. In the following Window, Click edit in Eureka 4. Run the Simulation in Eureka
ZW3D version	ZW3D 2015 or above
Tutorial	http://www.roboris.it/en/downloads
Note	



5- Jewelry CAD Dream

Jewelry CAD Dream combines a superfast high end hybrid modeling engine with direct modeling, a plethora of jewelry cad tools, along with high level history based modeling bringing you the most powerful tools in the jewelry cad industry. Working in Jewelry CAD Dream you have all this at your fingertips in tandem with Ultra Realistic renderings and animations to showcase your work.

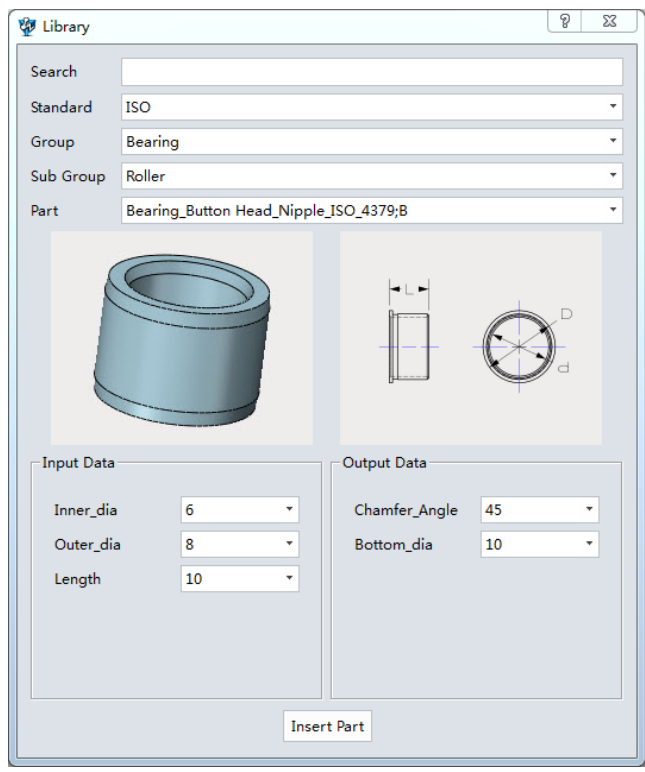


Download Link	https://jewelrycaddream.com/
Installation	<ol style="list-style-type: none"> 1. Download & Install ZW3D 2. Download & Install Jewelry CAD Dream 3. Run Jewelry CAD Dream from APP Ribbon Tab
Activation	Activate JCD CAD license
Use	Design Jewelry product with ZW3D features and Jewelry JCD tools
ZW3D version	ZW3D 2014 or above



6- ZW3D Library

ZW3D Library is a built-in Standard Part Library in ZW3D, which offers a lot of standard parts such as screws, pins, nuts, etc. to help in mechanical design. It achieves the quick-reuse of standard parts by single click. What's more, this Library is open to everyone, so users can customize their own Library.





Download Link	Built in ZW3D, no need to download any plug-in
Installation	Download & Install ZW3D
Trial	30 days free after installing ZW3D
Activation	Activate ZW3D license in ZW3D license manager
Use	<ol style="list-style-type: none"> 1. Start ZW3D firstly 2. Click “ZW3D Library” icon in APP ribbon tab to directly pop up the “Insert Part” dialog box. 3. Select the standard, type and size of the standard part according to your requirement and Click the “Insert Part” button to insert it.
ZW3D version	ZW3D 2016 or above
FAQ	<p>Q1: How to customize our own Library? A: You could get the guidance from ZW3D installation directory\ZWLibrary.</p> <p>Q2: Customized library are not shown in the ZW3DLibrary? A: You need to check folder and files you created.</p> <ol style="list-style-type: none"> 1. The folder structure should be strictly 4 layer subfolders. 2. Folder name and file name should strictly follow the naming rule in the guidance document. 3. The images of the 3D model and the 2D drafting must keep the same resolution with the guidance document. <p>Q3: Why all the customized standard parts lost after upgrading or re-installing ZW3D? A: ZW3DLibrary locates in the root folder of ZW3D, when you upgrade or re-install it, all the data will be wrapped. So before upgrading or re-installing ZW3D, you need to back up the customized Library (Copy it to other folder). After upgrading or re-installing ZW3D, copy it back to root folder and replace the native ZW3DLibrary.</p>
Tutorial	Build-in guidance located in ZW3D installation directory\ZWLibrary.
Note	



7- Traceparts

TraceParts is a world-leading digital engineering 3D content company, offering progressive business solutions through powerful web based products and services. Users will easily find the ZW3D-TraceParts community offering over 100 million 3D CAD models & 2D drawings, including both industry standard parts and products from hundreds of manufacturers' catalogs used by the tooling, machinery, aerospace and automotive industries.

The screenshot shows the ZW3D TraceParts website interface. The browser address bar shows '3D models igus GmbH: xiroc...'. The page header includes the ZW3D logo and navigation links for 'Home', 'Catalogs', and 'My account'. A search bar contains 'your search...' and a dropdown menu shows 'selected category'. The left sidebar lists 'TraceParts Classification' with categories like Mechanical components, Fasteners, Bearings, etc. The main content area displays 'igus xiros® M180 Polymer Ball Bearings' with a 3D model of the bearing. A 'Free CAD download' section offers a 'Download' button and an 'Add to Download Center' button. Below the model, there is a 'Configuration step 1/2' section and a table with columns for 'Item no.' and 'Description'. The table lists 'BB-6000-M180-40-ES' with description '40|BB-6000-M180-40-ES|'. A 'Bill of Materials' section is also visible at the bottom.

Item no.	Description
BB-6000-M180-40-ES	40 BB-6000-M180-40-ES

Bill of Materials	
Manufacturer	igus GmbH
Description	xiros®, BB-6000-M180-40-ES
Part number	BB-6000-M180-40-ES
Selection	BB-6000-M180-40-ES



Download Link	Online Application, no need to download
Installation	<ol style="list-style-type: none"> 1. Download & Install ZW3D 2. Download & Install latest Java
Trial	30 days free after installing ZW3D
Activation	Activate ZW3D license in ZW3D license manager
Use	<ol style="list-style-type: none"> 1. Start ZW3D firstly 2. Click "TraceParts" icon in APP ribbon tab to open the TraceParts website 3. Pick the part you want and then select the format and the version, click "CAD insertion" to directly insert the part or click "download" to save it as a local file.
ZW3D version	ZW3D 2015 or above
FAQ	<p>Q1: No response when click the "CAD insertion". A: First make sure you have already installed the latest Java; Then sometimes the insertion is limited by network speed, so if you are in a low speed network, you can download the part to local first then insert it.</p> <p>Q2: There are open edges or unknown faces in several inserted part, why and what should we do? A: Since there are million parts in the Traceparts, it is unavoidable to have several "problem parts" because when we insert part to ZW3D, the translator will not be completely correct in every tiny case. So if you happen to need these parts, the workaround is to select the "Step AP214" format, download and import it into ZW3D, save it as a Z3 file then insert to the assembly.</p>
Note	