Downloading & Viewing CAD Files from Koganei USA

Revision Date:4/13/20

Step 1: I Determine my full part number from a catalog or Koganei USA website: https://www.koganeiusa.com/. In this example I will be selecting a BC series (Basic cylinder).

To find the catalog location from the website listed above I navigated to: **Product/PNEUMATIC ACTUATORS/Compact Cylinder/Basic cylinders**

Under **Basic cylinders** I opened the blue "**Catalog (Metric)**" tab shown below.

Basic cylinders

Φ6 to 125 mm [0.236 to 4.921 in] cylinder bore. A new cylinder with direct mounting for minimal size, minimal weight, and space saving. H1 grease standard compliant. A new lineup of corrosion resistant specifications, scraper specifications, and heat resistance specifications.

Model	Operation	Bore [mm]	Stroke [mm]	Port size
BC	Double acting	6	5-50	M3X0.5
		8		
		10		
		12	5-100	M5X0.8
		16		
		20	5-125	
		25		
		32	10-200	Rc 1/8
		40		
		50		
		63	10-200	Rc 1/4
		80		
		100		Rc 3/8
		125		
BCSA	Single acting push	6	5-15	M3X0.5
		8		
		10		
		12	5-30	M5X0.8
		16		
		20		
		25		
		32	10-30	Rc 1/8
		40		
		50		
BCTA	Single acting pull	6	5-15	M3X0.5
		8		
		10		
		12	5-30	M5X0.8
		16		
		20		
		25		
		32	10-30	Rc 1/8
		40		
		50		

Catalog [Metric] >   ↧ CAD DOWNLOAD

(Photo 1)

CEAdvancedTech.com
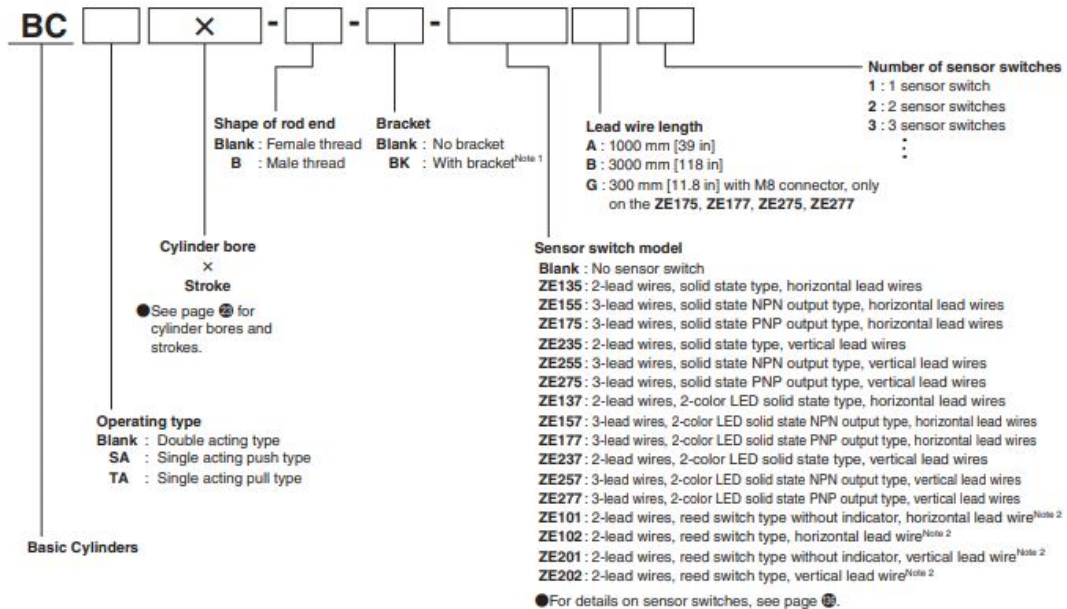677 Congress Park Drive | Dayton, OH 45459 | 800.228.2790

Step 2: I Selected my *complete* part number from the "**Order Codes**" section found on page 24 of this catalog.

In this example I have chosen a Basic Cylinder **BC20X60-B-BK-ZE175A2** – BC, Double acting, 20mm bore X 60mm stroke – Male thread – With bracket – 3-wire sensor, 39" lead wire, number of switches 2.

Step 3: After selecting my *complete* part number I returned to same website page where I opened the catalog (photo 1 above), clicked on the red "**CAD DOWNLOAD**" tab, entered my complete part number, and clicked "Download CAD data"
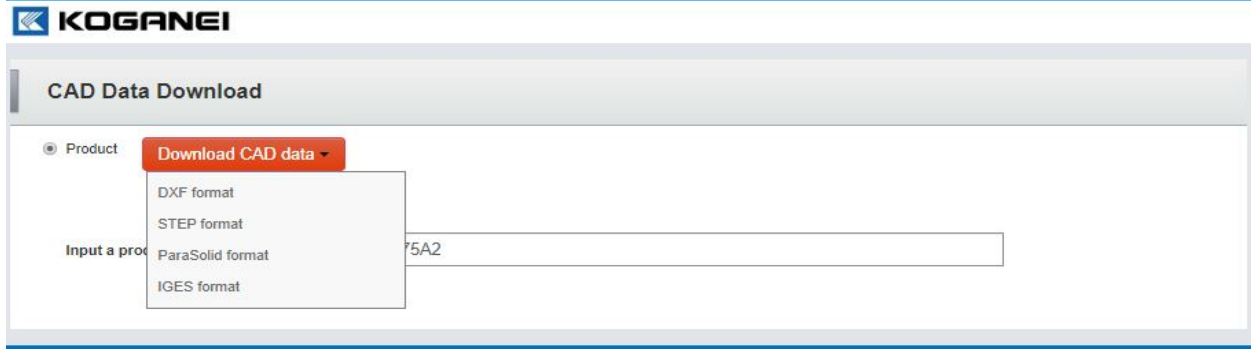
Step 4: If my part number is valid (everything is correct) I will get a drop-down menu where I can select the type of CAD file(s) I need (one at a time).
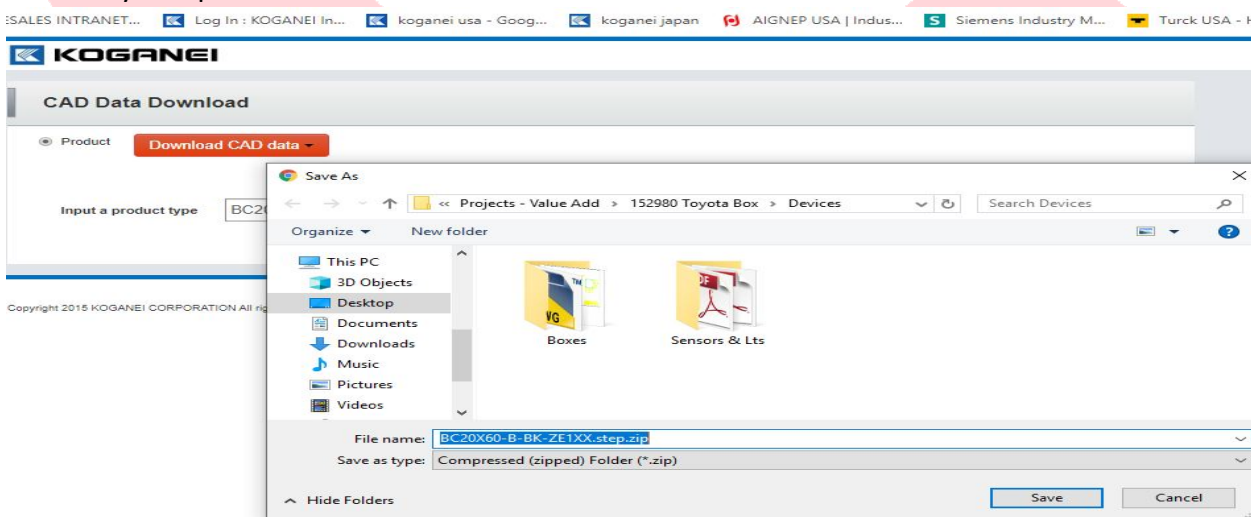

After making my selection I will see a spinning cog, the message below, and then chose **OK**.
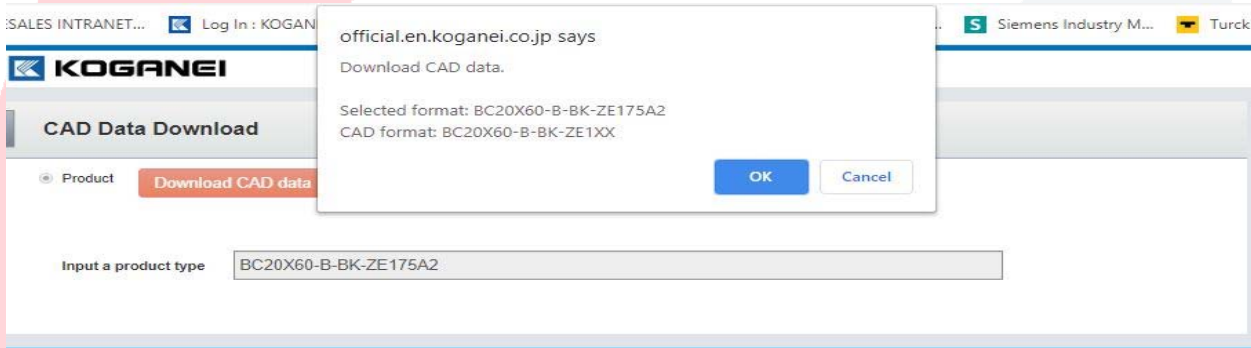
Finally, there is a pop-up window asking me for a file name and where I'd like to store the (zip) file on my computer.

CEAdvancedTech.com

677 Congress Park Drive | Dayton, OH 45459 | 800.228.2790

Important Additional Notes:

Note 1: If everything is not correct, the part number is incomplete/invalid, CAD files do not exist, or I have violated one the rules below I will *still see* the spinning cog but get this message: **
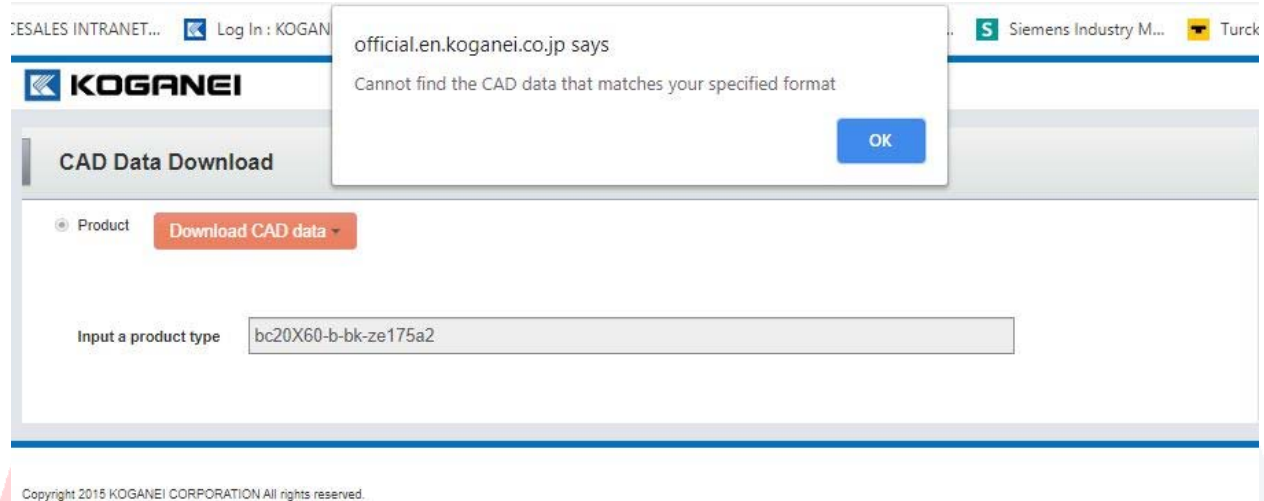
Rules…Please be Aware!!

* *You must include all spaces & dashes. No extra spaces at the end.*

**You must use ALL CAPS. No lower-case letters…as you can see from my failed example above.
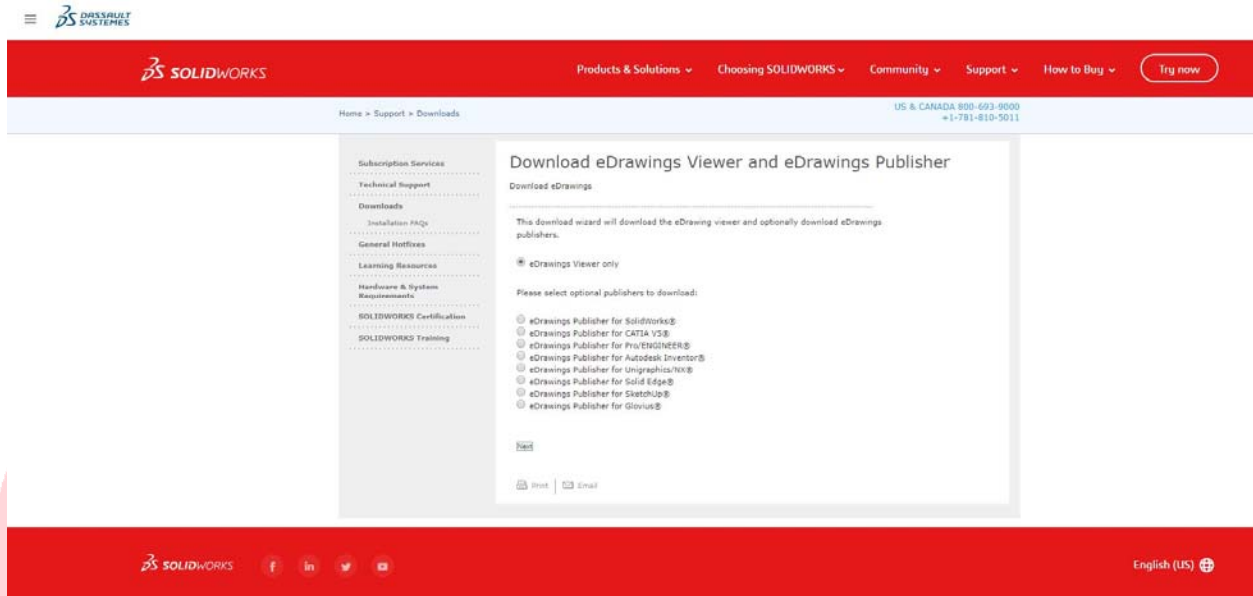
**Do not use the old "H" prefix or the new "-F11" option to indicate NPT threads. They did not create NPT thread specific drawings.

**You do no have to include all options such as sensors, mounting, etc. if they are not required. As long as it is still a complete part number.

If you violate any of these rules it will not generate a CAD file and you will get the error listed above.

Note 2: The two file formats you will most likely need are "DXF" which can be converted into a "DWG" (Both DXF & DWG are 2D AutoCad files) or a "STEP" / "ParaSolid" file which is used by Solid Works and other popular 3D drawing programs.

Note 3: There is a *free* SolidWorks "eDrawings viewer you can download at:
https://www.solidworks.com/sw/support/eDrawings/e2_register.htm?downloadtype=64bit
Select "*eDrawings Viewer only*" and then "*Next*"

Then select "*Download*"

CEAdvancedTech.com
677 Congress Park Drive | Dayton, OH 45459 | 800.228.2790
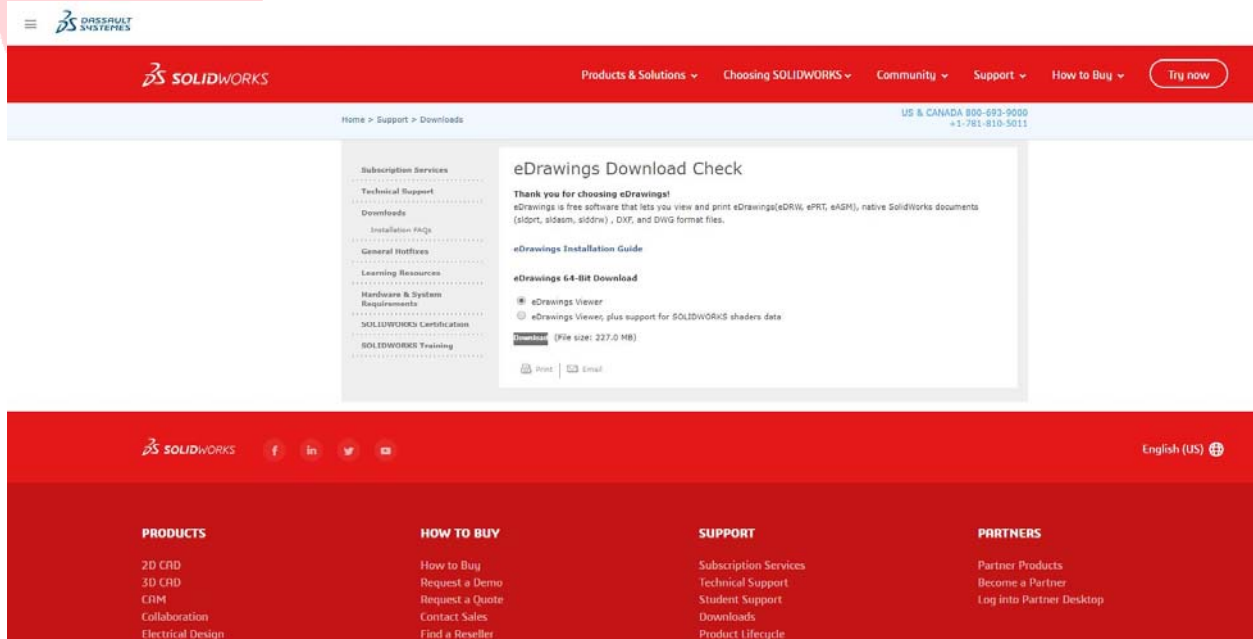
With an e DRAWING open, you can select the components tab in the lower right corner, it will give you a complete list of the all the components in the assembly. You can also select a component from the model or from the components listing and the related item will highlight.
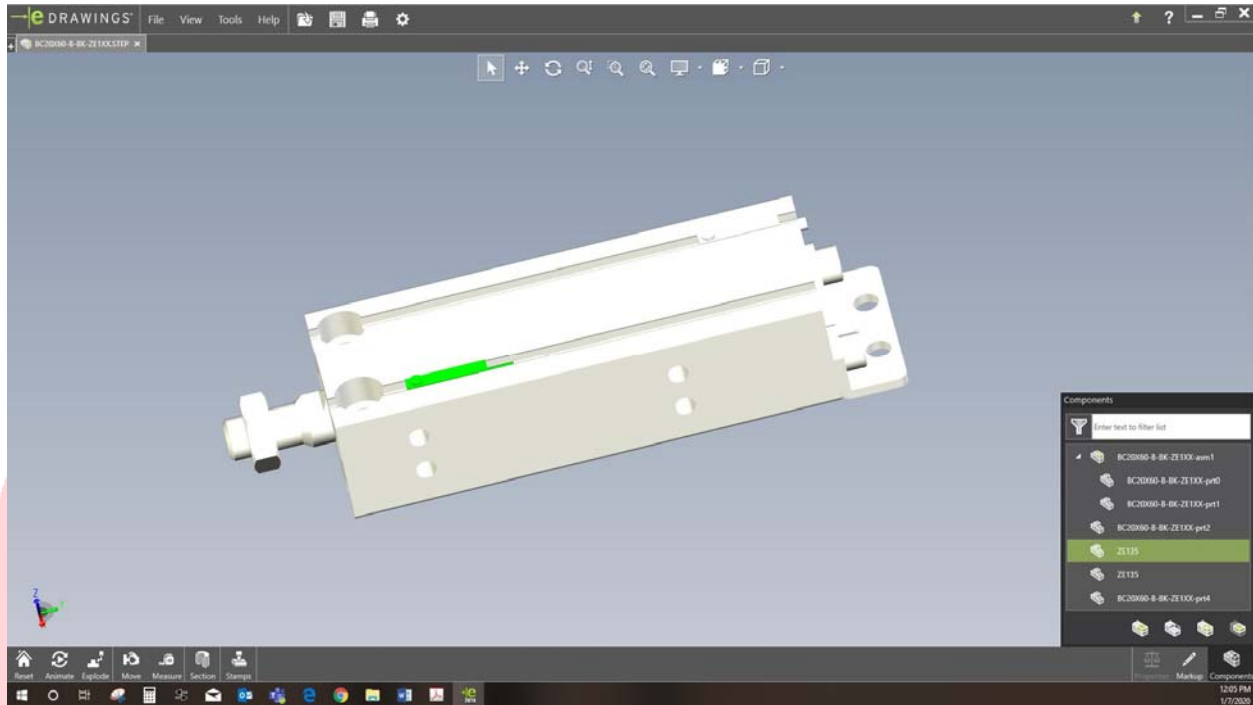
Details about how to use the simple tools & tool bars for moving and viewing the model or assembly can be found under the eDrawings Help menu. Specifically, under Platforms/eDrawings Desktop/eDrawings Viewer/eDrawings Interface/Toolbars & Tools.

eDrawings Help

- **Welcome to eDrawings Help**
  - Overview of eDrawings
  - Key Features of eDrawings
  - eDrawings Publishers
  - eDrawings on Mobile Devices
  - eDrawings Functionality Matrix
  - Legal Notices
- eDrawings Installation
- Platforms
  - eDrawings Desktop
    - eDrawings Products
    - Checking for Updates
    - eDrawings Viewer
      - Creation of eDrawings Files
      - Opening Files
      - Exiting eDrawings
      - DXF/DWG File XREFs
      - Setting Options
      - eDrawings Interface
        - eDrawings Panes
        - Toolbars
        - Shortcut Menus
        - Keyboard Shortcuts
        - Standard Views
        - Shaded Views
        - View Settings
        - View Orientation
      - Tools
        - Reset
        - Animate
        - Explode
        - Move
        - Measure
        - Section
        - Stamps
        - Properties
        - Markup
        - 3D Views
        - Annotations
        - Components

Note 4: An AutoCad or DraftSite license is required to view a DXF or DWG files. You can download a free 30 days trial of DraftSite at:
https://www.draftsight.com/?msclkid=5fcb1e233db51026ea4d4037867eaaa6&utm_source=bing&utm_medium=cpc&utm_campaign=201905_GLOBAL_PS_Draftsight_%5BNAM%5D_Brand_BMM&utm_term=%2Bdraftsight&utm_content=DF-BMM