
Data access via the Direct Link Address List

The following describes how to directly jump to the product series screen of SMC's 3D/2D CAD Library via the Direct Link Address List and download the data.

The following describes how to download the data via the Direct Link Address List by taking the "CDQ2B12-15DZ-M9N: STEP214 model" as an example.

1 Opening the Direct Link Address List at SMC's website.

The CADENAS Data Direct Link Address screen will appear that is used to search for series. (Excel or HTML file)

On this screen, select Series CQ2 from "Class 4".

2 Selecting the CQ2 standard type, double acting, and single rod.

When selecting CQ2 on the CADENAS Data Direct Link Address screen, the series contents will appear. Find the standard type, double acting, and single rod.

Next, clicking [Direct Link] will jump to the Log-in screen for the 3D/2D CAD Library at SMC's website.

3 Logging-in to the 3D/2D CAD Library at SMC's website.

Clicking the address of [Direct Link] will display the screen prompting you to log-in to SMC's 3D/2D CAD Library before the part number selection screen for Series CQ2 is displayed.

1 Customer who has already registered the account

Enter your ID and password on the screen to log-in to SMC's 3D/2D CAD Library.

Clicking [Login] will jump to the part number selection screen for Series CQ2 you have selected.

2 Customer who accesses to SMC's 3D/2D CAD Library for the first time

Click [New Registration] on the screen to make the user registration. When the registration is completed, the password is sent to the registered mail address. So, enter the ID and password to log-in to SMC's 3D/2D CAD Library.

Clicking the [Login] button will jump to the part number selection screen for Series CQ2. The entry can be omitted from the next time.

4 Selecting a series part number

When the log-in has been completed, CQ2 standard type, double acting, and single rod part number selection screen will appear on SMC's 3D/2D CAD Library.

Next, select "bore size 12 mm" and "(B) through hole (standard)" on the Table screen shown in the right portion and click [⇒]. The detailed part number selection screen will appear.

! CAUTION

When the customer uses the proxy server in the internet environment, the screen may appear. This screen is an authentication screen to start up the software that displays the 3D data in the viewer.

When the customer enters the user name and password necessary to use the internet, the viewer will start up. If you cannot understand it, contact your server administrator.

Note that you can select or download the CAD data even when the viewer start-up is cancelled.

5 Selecting a part number and a CAD format

Since CQ2, double acting, and single rod, bore size (12 mm), and (B) through hole (standard) have been selected, select remaining detailed part numbers on the Table screen in order to construct the CDQ2B12-15DZ-M9N.

- ① Select the built-in magnet, auto switch, and stroke in order. (They cannot be selected at the same time.)
- ② After selected, make sure that the part number is the CDQ2B12-15DZ-M9N.
- ③ After the part number has been determined, select a CAD data format.

When using for the first time

When using for the first time, select an output CAD data format using [Select Format], and then save the data. For details about how to select a format, refer to "1 Selecting an output data format" of the Supplemental Reference.

When the format is already selected.

Clicking [Download Part] will save the data into "My Documents" .

6 Downloading the data

Check the part number of the CDQ2B12-15DZ-M9N saved in "My Documents" and the CAD data format. When they are determined as OK, clicking [Download] will download the compressed file in the ZIP format into the customer's personal computer. Use the data after unzipping.

■ Supplemental Reference

1 Selecting an output data format

When using for the first time, select a CAD data format from [Select Format]. (When selecting STEP AP214a)

- ① Select 2D or 3D. ⇒ 3D
- ② Select a file format. ⇒ STEP AP214a (Either “a” or “b” can be selected.)
- ③ Clicking [>>] will display the data format in the [Selected format] area on the right.
- ④ Saving the data

After checking that the CAD format is selected in the [Selected format] area, clicking [Draw Part] will start the data creation. When the data has been created, the screen returns to the part number selection screen and the data is saved into “My Documents” .

2 Output data format types and downloading the data into the CAD software

① Native format [2D]·[3D]

2D Native format	3D Native format
Allplan 2004	3D Studio MAX
AutoCAD V14 or later [?]	Allplan 2004
Cadkey CDL V19 or later [?]	AutoCAD V14 or later [?]
Catia IUA V4 [?]	Caddy++ SAT-V4.2
HP ME 10 V9 or later	Catia V5 R8 or later [?]
I-IDEAS V7 or later [?]	Catia IUA V4 [?]
Medusa 2000i or later [?]	EAI (Part)
SolidEdge V17 or later	I-IDEAS V7 or later [?]
VX (Varimetrix) V5.0 or later [?]	I-IDEAS V9 or later [?]
	Intergraph EMS
	Inventor R10 or later
	Inventor R11 or later
	Inventor R5.3 or later [?]
	Mechanical Desktop V5 or later [?]
	MegaCAD SAT-V2.0
	Pro/E Wildfire I or later
	PRO-Desktop
	SolidDesigner (LSP) V7.5 or later [?]
	SolidEdge V17 or later
	SolidWorks 2001+ or later [?]
	Think3 2006.2 or later [?]
	TopSolid 2004 or later
	Unigraphics NX2 or later
	Unigraphics NX3 or later
	VX (Varimetrix) V5.0 or later

② Intermediate format [2D]·[3D]

2D Intermediate format	3D Intermediate format
BMP (2D View)	CIP
BMP (3D View)	DWG V14 or later [?]
DWF ASCII	DXF V14 [?]
DWF Binary	IGES
DWF Compressed	Metafile 3D (PS3) V2
DWG V14 or later [?]	Parasolid Binary V15
DXF V12 or later [?]	Parasolid Text V15
HPGL V2	SAT V2.0
IGES V5.0 or later	SAT V2.1
JPEG (2D View)	SAT V3.0
JPEG (3D View)	SAT V4.0
Metafile 2D V1	SAT V5.0
Metafile 2D (PS2) V2	SAT V5.3
MI V8 or later	SAT V6.0
Postscript EPS	STEP AP203
SVG	STEP AP214a
TIFF (2D View)	STEP AP214b
	STL
	VRML V1.0 or later
	XGL

When clicking a format name with [?] put at the last, the screen will appear that explains how to download the data into the CAD software.

How to download the data into the CAD software is described in multiple languages. The descriptions in Japanese are displayed at the last.

Additionally, clicking a figure on this explanation screen will enlarge it.

3 Operating example 1:Part number selection table (selection of non-standard part number)

Selecting “Non-standard stroke” or “X part number” of the cylinder

In addition to the standard stroke, you can select a non-standard stroke that can be manufactured.

You can select a stroke that can be manufactured or an intermediate stroke from the STOP (stroke option).

Additionally, you can also select registered made-to-order specifications from the OMSC (Made-to-Order specifications).

4 Operating example 2:Part number selection table (data edit)

- ① Switching the hole of the port thread, such as cylinder, between the major diameter and minor diameter.

As the port is changed to the hole with the major diameter, this prevents the interference error display on the 3D CAD software when the port is connected to the fitting.

THREAD2 (Thread on/off) on (default value)
Female thread port is modeled with the minor diameter.

THREAD2 (Thread on/off) off
Female thread port is modeled with the major diameter.

- ② When outputting the data, the cylinder rod is output in the full-stroke or intermediate stroke status.

Since “STROKE = 20 mm” is selected for the cylinder stroke, select a stroke using POS (rod position).

POS (rod position) is 0.
Rod is retracted (default value).

POS (rod position) is 20.
Rod is projected its full stroke.