

Danfoss Online Cylinder CAD Configurator User Guide

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Danfoss Online Cylinder CAD Configurator



Product Information

Specifications

• Bore Size: up to 60

Stroke: up to 20 metersPressure: up to 660 bar

• Metric and Imperial designs

Product Usage Instructions

Registration & Login

If this is your first time using the CAD configurator, follow these steps:

- 1. Set up a new account if visiting for the first time.
- 2. If you have an existing account, select the Login button.

Fill out the required information. Pricing access is not granted to personal email accounts. Contact your Customer Support Representative for pricing access after registration.

Quoting Process

- 1. After initial login, use the Login button to start the quoting process.
- 2. Enter your email and password, then select the Login button.

Standard Cylinder or Parts

- 1. Enter information for the cylinder and select Enter.
- 2. The quote will display cylinder details, pricing breakdown, and an option to add to the cart.
- 3. Hit Add to Cart when ready to proceed.

Ordering Process

- 1. Update the Cart to modify your order.
- 2. Clear the Cart to empty and start over.
- 3. The checkout button takes you to the checkout section for order completion.
- 4. Review and complete Sold to, Ship to, Quote or Order type, PO #, shipping company, comments, and final order review before completing.

Custom Cylinders

- 1. Search for a specific part number in the search box and select Find Cylinder.
- 2. If found, view the information on the right side of the screen.

Frequently Asked Questions

How do I gain pricing access?

Contact your Customer Support Representative (CSR) after registration if you do not have pricing access.

Can I make changes to my order?

Yes, use the Update Cart option to modify your order before checkout.

What should I do if I can't find a specific cylinder?

Contact customer support for assistance if you are unable to locate a specific cylinder in the search results.

MODELS



Danfoss Cylinder Products and Markets

Туре	Description	Product
	Heavy Duty NFPA	N5, NZ
	Heavy Duty Large Bore	HG,VG
Tie Rod	Heavy Duty ISO 6020-2 / Din 25554	IHM, TV
	Medium Duty NFPA	R5, RE
	Light Duty Pneumatics	VP/Q6, L
Threaded	Threaded Construction	TS, TA
Welded	Industial Welded	HW, WH
Mill	Mill Duty	
SL	Extra Large Customs	XL Custom

Bore Size: up to 60"
Stroke: up to 20 meters
Pressure: up to 660 bar
Metric and Imperial designs



Online CAD Configurator User Guide

Our easy-to-use, mobile-friendly cylinder configurator provides on-demand access to:

- 2D & 3D drawings
- PDF datasheets
- · Application guides
- Calculation tools
- Activation is needed for pricing after approval of the request.



Links to Catalogs and Configurators

HEAVY-DUTY TIE ROD NFPA CYLINDERS



- Hydro-Line N5 series (Catalog)
- Hydro-Line HG series (Catalog)
- Vickers by Danfoss NZ series (Catalog)
- Vickers by Danfoss VG series (Catalog)

MEDIUM-DUTY TIE-ROD NFPA CYLINDERS

- Hydro-Line R5/HR5 series (Catalog)
- Vickers by Danfoss RE/RF series (Catalog)

ELECTROHYDRAULIC TIE-ROD CYLINDERS



• Danfoss EH series (Catalog)

WELDED CYLINDERS



• Danfoss WH Series (Catalog)

MILL-DUTY CYLINDERS



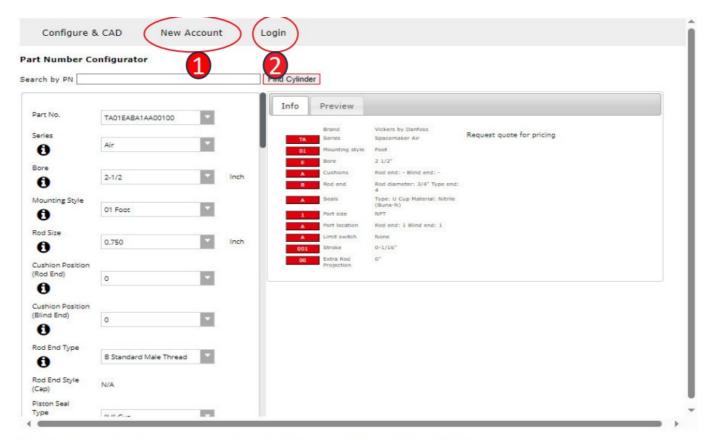
- Danfoss Imperial EM series (Catalog)
- Danfoss IM Series (Catalog)

THREADED CYLINDERS



- Hydro-Line TS/HTS series (Catalog)
- Vickers by Danfoss TA/TB series

Registration & Login



Configure a cylinder and request a quote from anywhere in the world.

- 1. If this is the first time visiting the CAD configurator you must set up a new account.
- 2. If you have an account already select the Login button.





- Fill out the required information. Pricing access will not be granted to personal email accounts.
- Note: If you are just signing up or do not have access to pricing, you must send an email to your Customer Support Representative (CSR) to gain pricing access.
- Please refer to the Login instructions following registration.



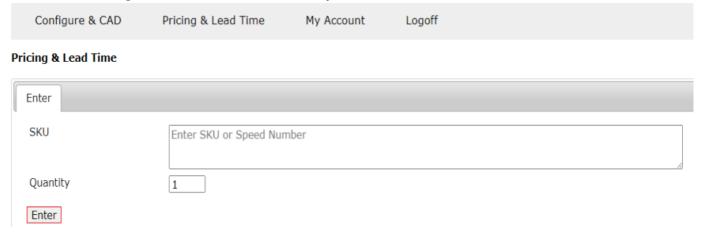
Vickers by Danfoss WH Series Cylinder Configurator

Account Login Revised 10/07/2022

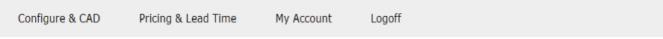
Please enter your Email Address:	2
Do you already have an account?	
Yes, my password is:	Remember me?
\bigcirc Yes, but I forgot my password	
\bigcirc No, please sign me up as a new user	
Login 4	

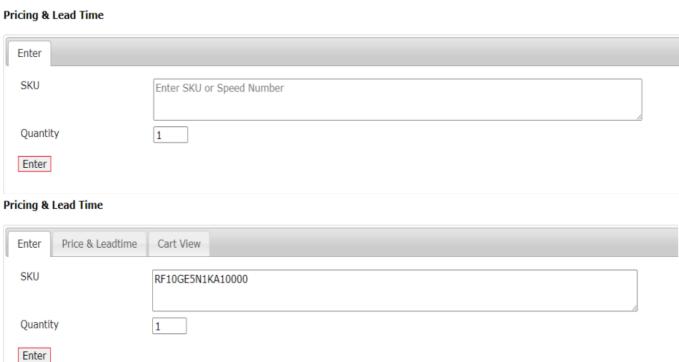
- 1. After initial Login during registration, you will need to use the Login button shown to start the process of quoting.
- 2. Enter your email
- 3. Enter your password
- 4. Select the Login button.

Online CAD Configurator User Guide-Standard Cylinder or Parts

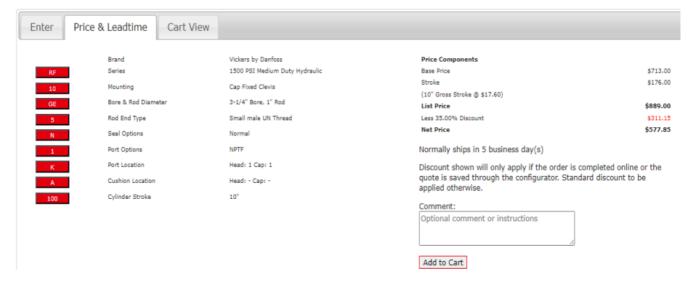


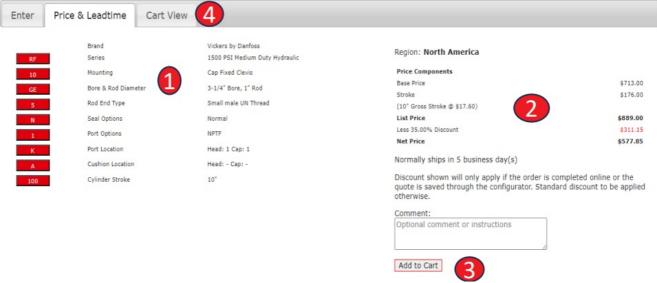
This page is the beginning of whatever you are starting to quote. If you have a standard cylinder you can go to the Pricing & Lead Time. The below screen is what you will see.





- 1. There are several options for the information that can go into the box. Standard part numbers that do not have an "X" in the part number, some Design Codes you will be able to quote along with Accessories.
- 2. The discount will auto-populate when you select the "Enter" button.
- 3. Select the Enter button.





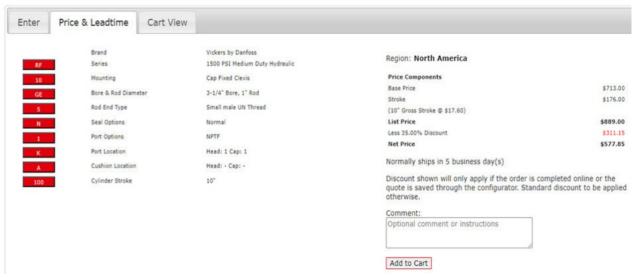
- 1. The first part of the quote will give you the information you entered for the cylinder. You can go back to the Enter button to make changes to the cylinder part number.
 - A catalog with information regarding each selection on the cylinder part number is located on slide
 5.
- 2. The second section is a breakdown of the prices associated with the cylinder.
- 3. The final section allows you to add the cylinder to your cart for checkout. More on ordering in later slides.
- 4. The cart view gives you more of a direct look at the information you selected.

Pricing & Lead Time



Discount shown will only apply if the order is completed online or the quote is saved through the configurator. Standard discount to be applied otherwise.

Pricing & Lead Time



When you are ready to add to the cart you will hit the "Add to Cart".

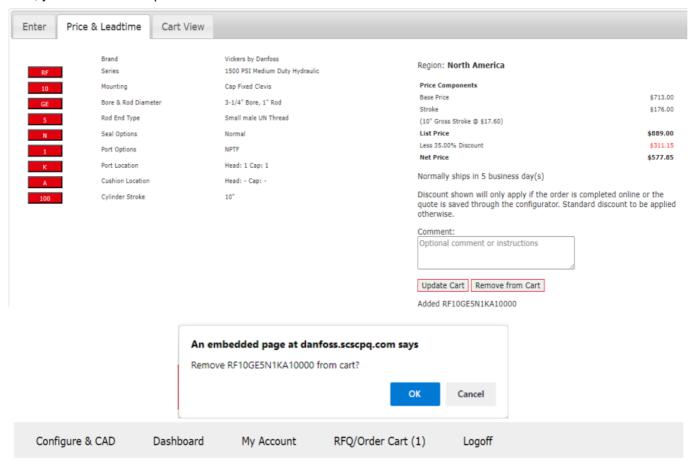
Online CAD Configurator- Ordering

An embedded page at danfoss.scscpq.com says

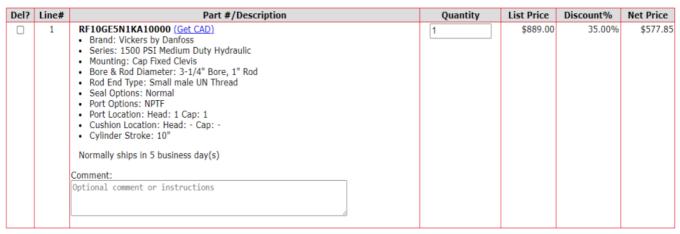
Add RF10GE5N1KA10000 to cart?



Next, you would either Update the Cart or Remove it from the Cart



Shopping Cart

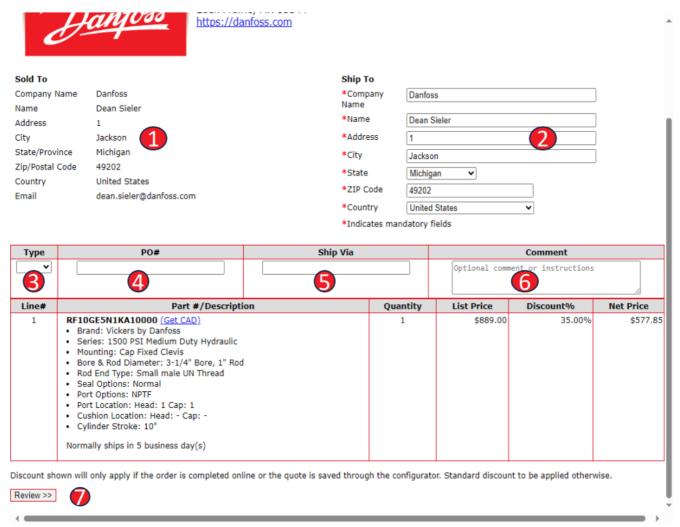


Discount shown will only apply if the order is completed online or the quote is saved through the configurator. Standard discount to be applied otherwise.



- 1. The Update Cart will allow you to change your order.
- 2. The Clear Cart will empty the cart and you can start over.

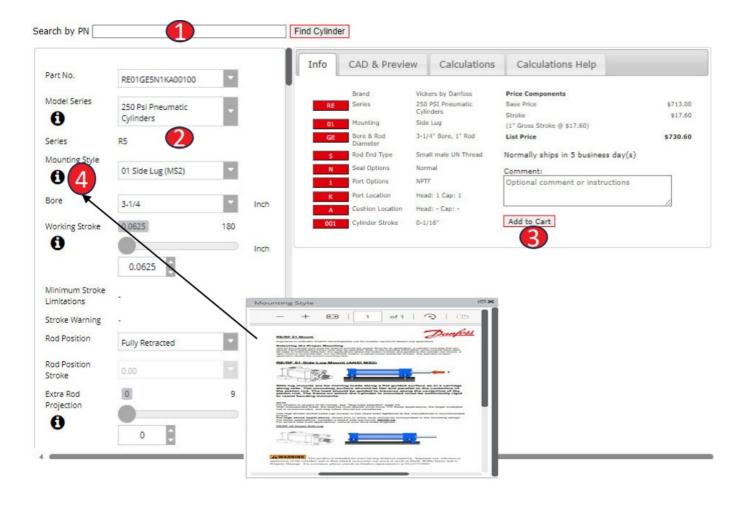
3. The checkout button will take you to a checkout section that you will need to fill out.



- 1. First section make sure the Sold to information is correct.
- 2. Ship to information complete.
- 3. Select type "Quote or Order".
- 4. PO # added.
- 5. The shipping company you want to use.
- 6. Any comments you want to add to the order?
- 7. Review the order and select Complete if everything is correct.

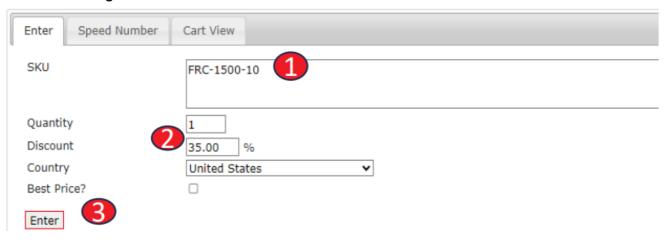
Online CAD Configurator User Guide-Custom Cylinders

Part Number Configurator

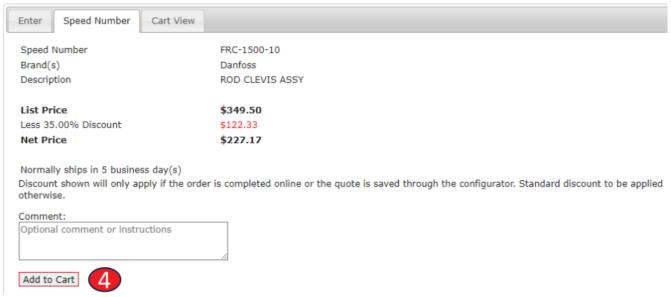


- 1. You can put the part number in the search box and select "Find Cylinder". If the cylinder is found, you will see the information on the right side of the screen.
- 2. You can also build the cylinder with what you want in the section on the left. As you change selections on the left the information on the right will update in real time.
- 3. Once you have completed the cylinder to what you want select the Add to Cart button and follow the same instructions as in the previous section.
- 4. Additional information is available by selecting the black circles with, a brief pop-up up will explain what is available.

Online CAD Configurator User GuideAccessories

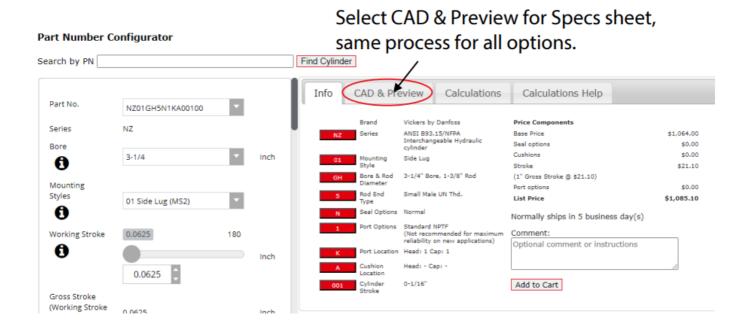


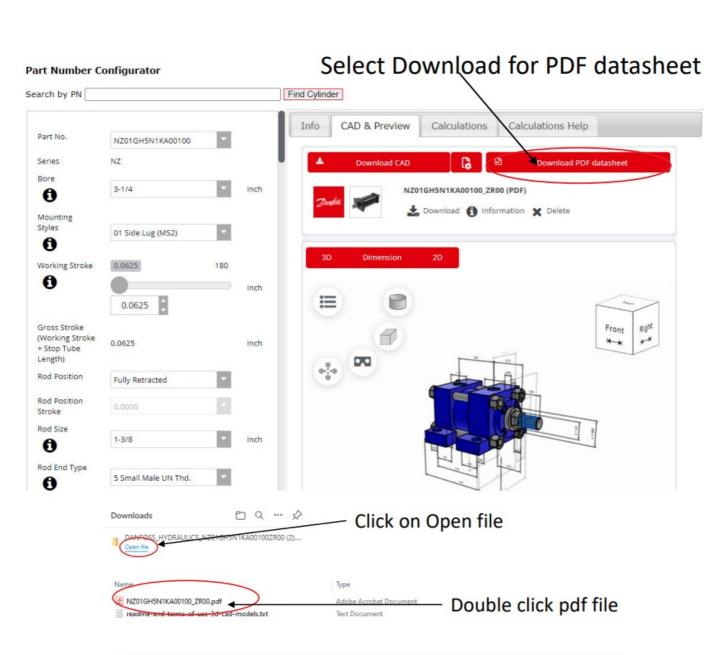
- 1. Put an Accessory part number in the SKU box.
- 2. Discount will auto-populate when you select enter.
- 3. Select Enter to see the price of the item.



4. Add to the cart and follow the same instructions in the previous section to complete the purchase.

Export Data Sheet

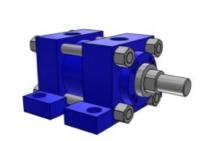




Vickers® by Danfoss Cylinders	Danfoss Power Solutions 14615 Lone Oak Road Eden Prairie, MN 55344	
Heavy-Duty Small Bore Series NZ	USA Tel: 952-937-9800 www.danfoss.com	

Part Number: NZ01GH5N1KA00100

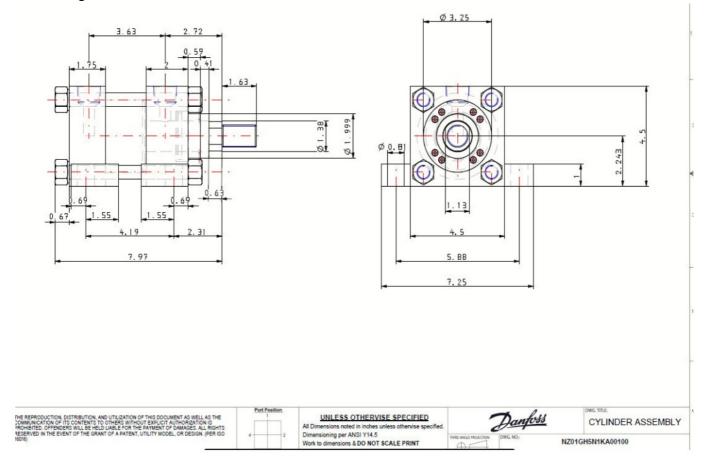
5



Series	NZ
Mounting Styles	Side lug (MS2)
Bore (INCH)	3-1/4
Rod Size (INCH)	1-3/8
Working Stroke (INCH)	0.0625
Rod Position	Fully Retracted
Rod Position Stroke (INCH)	0
Extra Rod Projection (INCH)	0
Rod End Type	Small Male UN Thd.
Rod Thread	1-14 INCH
Rod Thread Length	1.63 INCH
Tapped Thread Spec.(INCH)	N/A
Tie Rod Thread Spec.(INCH)	N/A
Seal Options	Normal
Port Options	Standard NPTF
Port Size	3/4 INCH
Port Locations (Head)	1
Port Locations (Cap)	1
Cushion Location (Head)	-
Cushion Location (Cap)	-
Pull Pressure (PSI)	3000
Push Pressure (PSI)	3000

Spec Sheet

2D Drawing



Spec Sheet

Part No.	NZ01GH5N1KA00100
Series	NZ NZ
Bore	3-1/4 INCH
Mounting Styles	01 Side Lug (MS2)
Working Stroke	0.0825 INCH
Gross Stroke (Working Stroke + Stop Tube Length)	0.0625 INCH
Rod Position	Fully Retracted
Rod Position Stroke	0
Rod Size	1-3/8 INCH
Rod End Type	5 Small Male UN Thd.
Seal Options	Normal
Port Options	Standard NPTF
Port Locations (Head)	1
Port Locations (Cap)	1
Cushion Location (Head)	Without Cushion
Cushion Location (Cap)	Without Cushion
Extra Rod Projection	0 INCH
No. of A/C Flat	Standard Flats
Gland Drain Selection	Without Gland Drain
Gland Drain Location (Head)	N/A
Gland Drain Location (Cap)	N/A
Proximity Switch	Without Proximity Switch
Proximity Switch Location (Head)	N/A
Proximity Switch Location (Cap)	N/A
Air Bleed	Without Air Bleed
Air Bleed Location (Head)	N/A
Air Bleed Location (Cap)	N/A
Note for Side Lug / Side End Lug position 3 (bottom) feature	
Stop Tube	Without Stop Tube
Stop Tube Length	0 INCH
Stop Tube note	
Specify XV Dimension (Only Mounting Style NZ15 or NZ34)	0 INCH
Keyed Piston to Rod	Without Keyed Piston to Rod
Rod Material	Standard
Head End Accessories	Without Head End Accessories
Head End Accessory Attachments	N/A
Head End Self Aligning Coupler	Without Self-Aligning Coupler
Head End Rod End Coupling	N/A
Cap End Accessories	N/A
Cap End Accessory Attachments	N/A
Cap End Self Aligning Coupler	N/A
Cap End Rod End Coupling	N/A

For questions, please contact your CSR. Call 8882580222 option #1, option #4

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- Fax +45 74 65 25 80 www.danfoss.com,
- E-mail: info@danfoss.com
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Documents / Resources



<u>Danfoss Online Cylinder CAD Configurator</u> [pdf] User Guide Online Cylinder CAD Configurator, Online, Cylinder CAD Configurator, CAD Configurator, Configurator

References

- **Engineering Tomorrow | Danfoss**
- SegmentTools
- User Manual

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