

# Vickers® by Danfoss Industrial Welded Cylinder Series

Relaunch 2022



## Features

- Welded construction
- Industrial market focus
- Robust construction - 3000 PSI
- Configurable port in cap design
- Many bore and rod combinations
- Additional options (electronic switches, rod coatings, stop tubes etc)
- Engineer-to-order available
- Available in online Configurator Dec 2022

## Markets/Applications

- Balers
- Waste processing
- Material handling
- Oil & Gas
- Wind turbine (blade pitch axis control)

## Why **welded**? Why **now**?

Ideal for the toughest jobs, our welded cylinders are engineered with high-yield-strength steel and a special end-cap welding process to keep systems operating stronger, longer. Featuring an advanced sealing technology that virtually eliminates leaks, welded cylinders also have no tie rods to collect dirt and debris.

### **Configurable and competitive**

New, improved design and manufacturing processes enable the new welded cylinder series to be easily configured with a wide variety of sizes, mounting options, coatings and more. In addition to offering competitive pricing, a domestic supply shortens delivery times.

Try the Cylinder Configurator!



# Industrial Welded Cylinder Series

ENGINEERING  
TOMORROW



## Features and specifications

**Bore Sizes:** 1.5" - 8"

**Pressure Rating:** 3000 psi Hydraulic Service

### Iron rod Gland

- Optimal fit between High strength ductile iron gland and cylinder body is achieved by a precision fit body seal and backup on the gland O.D.
- Optional wear bands are available to provide additional side load protection.

### Steel Port Boss

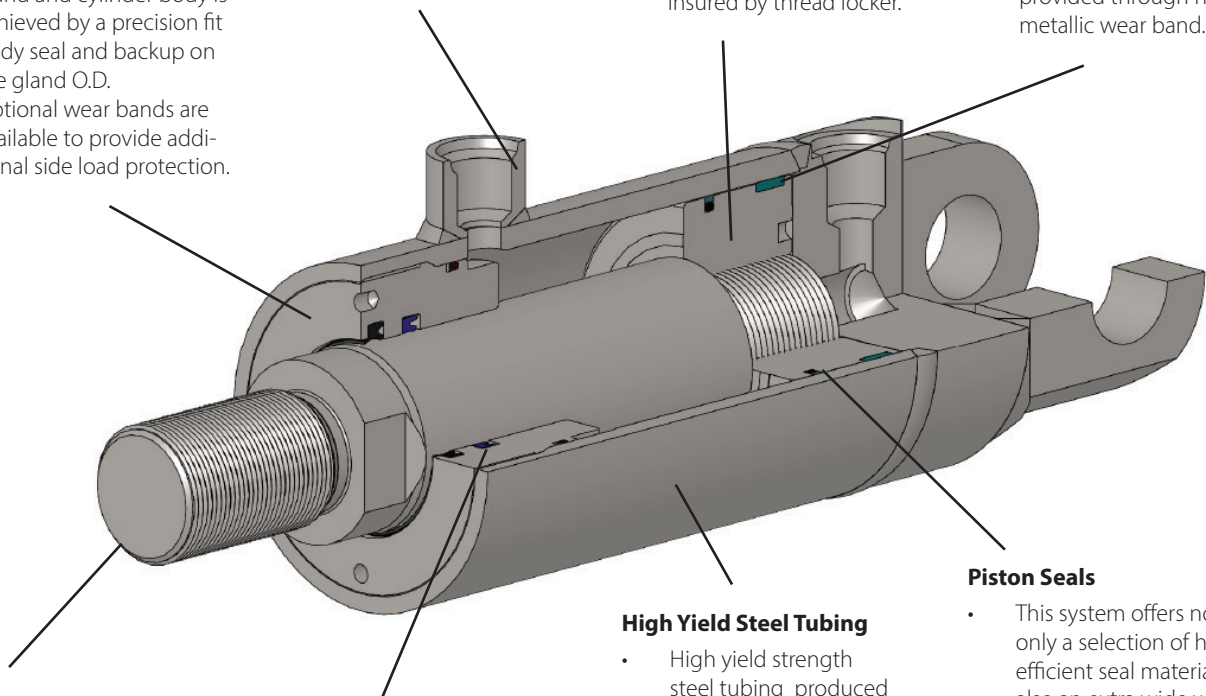
- Careful material selection allows for full threads to be machined on bosses and insure pressure-tight porting connections.

### Piloted Cast Iron Piston

- Machined to maximum bearing support and wear resistance, the unitized assembly is pilot-fitted into the head on a precision bored diameter to assure true concentricity.
- Positive connection to rod insured by thread locker.

### Piston Wear Band

- Side load protection provided through non-metallic wear band.



### Piston Rod

- Hard chrome plated piston rod in a variety of diameters between 1 and 5 1/2 inches provides maximum durability and extends seal life.

### Rod Seal/Wiper

- Carefully selected wiper and seal combinations to deliver exceptional all-around performance and durability.

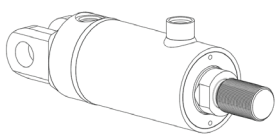
### High Yield Steel Tubing

- High yield strength steel tubing produced to exceed the ASTM-513 specifications. This combination of superb base material and superior processing insures straight, smooth, and long life cylinders.

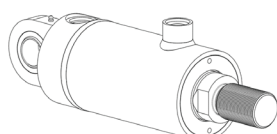
### Piston Seals

- This system offers not only a selection of highly efficient seal materials, but also an extra wide wear band that rides smoothly within the precision-honed cylinder body to provide extended piston seal life.

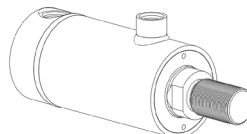
## Available Mounting Styles



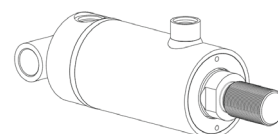
WH10: Cap Fixed Clevis Mount



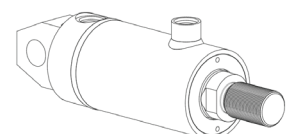
WH11: Cap Spherical Bearing Mount



WH24: No Mount



WH46: Cross Tube Mount



WH47: Cap Fixed Eye Mount

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