



BUILT TO LAST



The patented double-taper design of V-Lock™ bearings makes installation and removal a snap. You no longer have to set clearances or remove stubborn bearings. And, the unique locking mechanism virtually eliminates fretting corrosion.

**Blue Brute™ V-Lock™
Mounted Spherical Roller Bearings**

V-Lock comes from the Blue Brute family of tough bearings made by QM Bearings. With the widest range of locking styles, seals and housings, you can order a bearing your way that will last a long time in the most demanding applications without paying custom bearing prices.

The same innovative approach that led to designing and manufacturing innovative bearings has also been applied to QM's other product lines; couplings and conveyor sprockets. In over 40 countries, thousands of customers use the company's products with confidence. When you buy a QM Bearings product, you can be assured the product will meet or exceed your expectations. We built it with you in mind. Built to last.

V-Lock Bearing Advantages

- Clearances are preset — you don't have to measure and set clearances during installation
- Twice the holding power of any other bearing
- Virtually eliminates fretting corrosion
- Superior seal choices match the seal to the environment
- Highest load ratings in the industry
- Accommodates shaft sizes from 2 7/16" to 4" (60mm to 100mm)
- Built to order for quick deliveries
- Easily converted from fixed to floating in the field
- Rugged steel housings are standard and include a lifetime guarantee against breakage
- Rebuild program saves you up to 33% (compared to a new bearing) with the QM Bearings Certified Rebuild Program
- External covers for extra sealing protection (for most bearings)
- Standard pressure relief valves prevent over-lubrication
- Tighter manufacturing tolerances ensure longer life
- Offered in a variety of styles to dimensionally interchange with virtually all other mounted roller bearing units
- Machined feet for one-time shaft alignment on all pillow block styles
- Standard withdrawal holes on all piloted flange cartridges for easier removal
- Mechanical sleeve withdrawal for easy removal. You won't need to torch off bearings

Why V-Lock™ Bearings?

V-Lock™, the newest addition to the QM Blue Brute bearing family, makes your job *easier* because you'll *spend less time* on installation, maintenance, removal and replacing:

- *Installation takes less than 10 minutes. V-Lock bearings are preset so you won't have to check internal clearances*
- *Ten seal choices protect the bearing from contaminants to reduce maintenance costs*
- *Impossible to overtighten*
- *The patented locking mechanism evenly distributes force on a shaft to virtually eliminate fretting corrosion and results in tremendous gripping capabilities*
- *Increase your uptime — V-Lock bearings last longer, are quicker to install and easier to remove.*
- *Mechanical withdrawal of sleeve for easy removal*

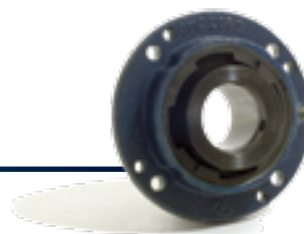


Wide Range of Steel Housing Styles

2-Bolt and 4-Bolt pillow blocks



Piloted flange cartridges



Flange blocks

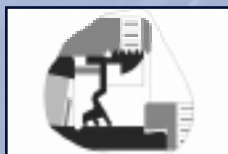


Cartridge blocks



Select the Best Seal for Your Application

Primary Seals



Triple Lip Seals

Contacting, self-purging

M-Seal:

Nitrile, moist and dirty applications

N-Seal:

Viton®, high temperature applications

O-Seal:

Urethane, highly abrasive applications



Double Lip Seals

Contacting, non-purging

B-Seal:

Nitrile, moist and dirty applications

C-Seal:

Viton®, high temperature applications



Labyrinth Seal

Non-contacting, non-purging

T-Seal:

Teflon, high speed, high temperature, moist and dirty applications

Secondary Seals and Covers

Open End Covers

Snap-on urethane covers with triple-lip (DR), v-ring (VR), or contamination collar seals to eliminate contaminant entry points

Closed End Covers

Snap-on urethane covers that prevent contamination from reaching the primary seal

Contamination Collar

Used with an open-end cover, the CC Collar provides a 6-point sealing system for extra security against contamination

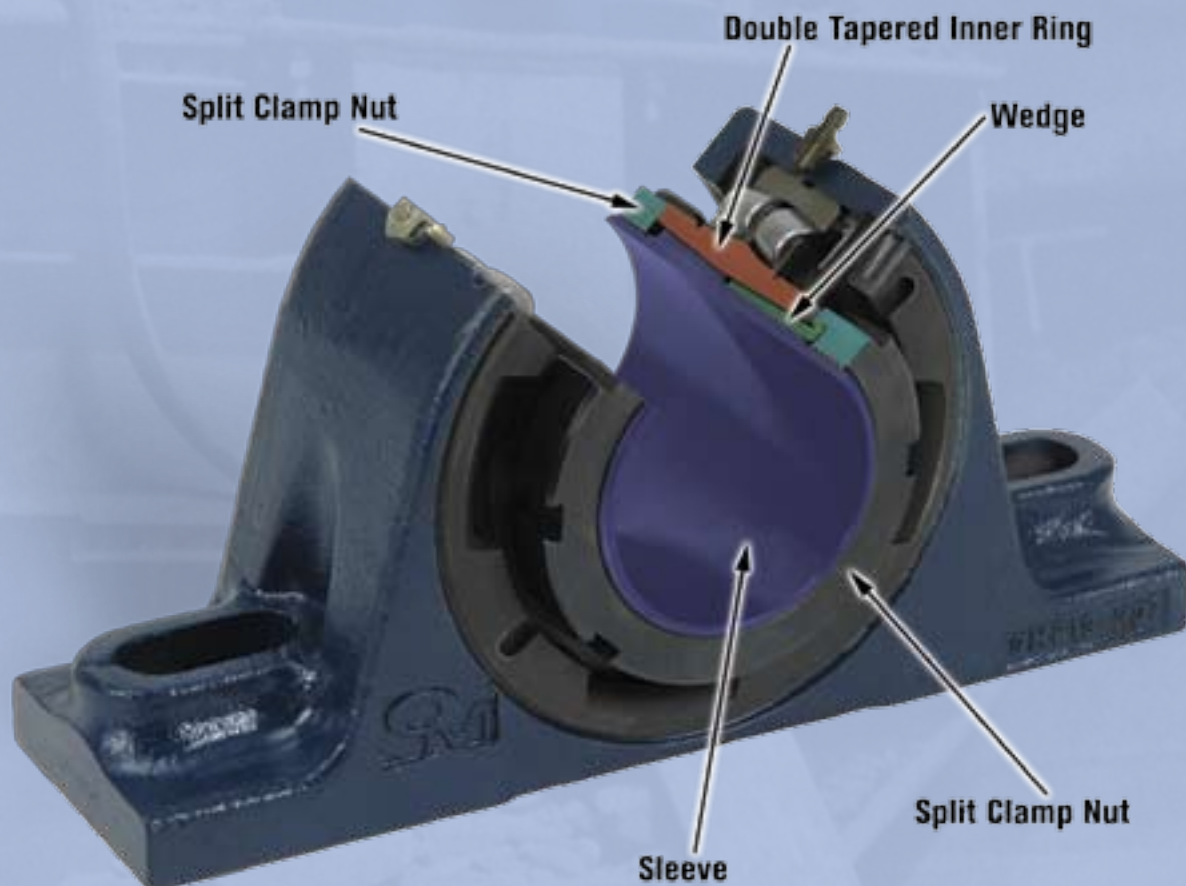
Blue Brute Bearings Configuration Choices -

	Housing Type	Primary Seals						
		'M'	'N'	NEW 'O'	'B'	'C'	'T'	NEW 'ML'
NEW V-Lock (Patented Double Taper Lock)	Pillow Block	✓	✓	✓	✓	✓	✓	
	Flange Block	✓	✓	✓	✓	✓	✓	
	Piloted Flange Cartridge	✓	✓	✓	✓	✓	✓	
	Cartridge Block	✓	✓	✓	✓	✓	✓	
CL Series (Set Screw Lock)	Pillow Block	✓	✓	✓	✓	✓	✓	✓
	Flange Block	✓	✓	✓	✓	✓	✓	✓
	Piloted Flange Cartridge	✓	✓	✓	✓	✓	✓	✓
	Take-Up Block	✓	✓	✓	✓	✓	✓	✓
	Cartridge Block	✓	✓	✓	✓	✓	✓	
EC Series (Eccentric Lock)	Pillow Block	✓	✓	✓	✓	✓	✓	
	Flange Block	✓	✓	✓	✓	✓	✓	
	Piloted Flange Cartridge	✓	✓	✓	✓	✓	✓	
	Take-Up Block	✓	✓	✓	✓	✓	✓	
	Cartridge Block	✓	✓	✓	✓	✓	✓	
TA Series (Tapered Adapter Lock)	Pillow Block	✓	✓	✓	✓	✓	✓	
	Flange Block	✓	✓	✓	✓	✓	✓	
	Piloted Flange Cartridge	✓	✓	✓	✓	✓	✓	
	Cartridge Block	✓	✓	✓	✓	✓	✓	
DV Series (Tapered Adapter Lock)	Pillow Block	✓	✓	✓	✓	✓	✓	
	Flange Block	✓	✓	✓	✓	✓	✓	
	Piloted Flange Cartridge	✓	✓	✓	✓	✓	✓	

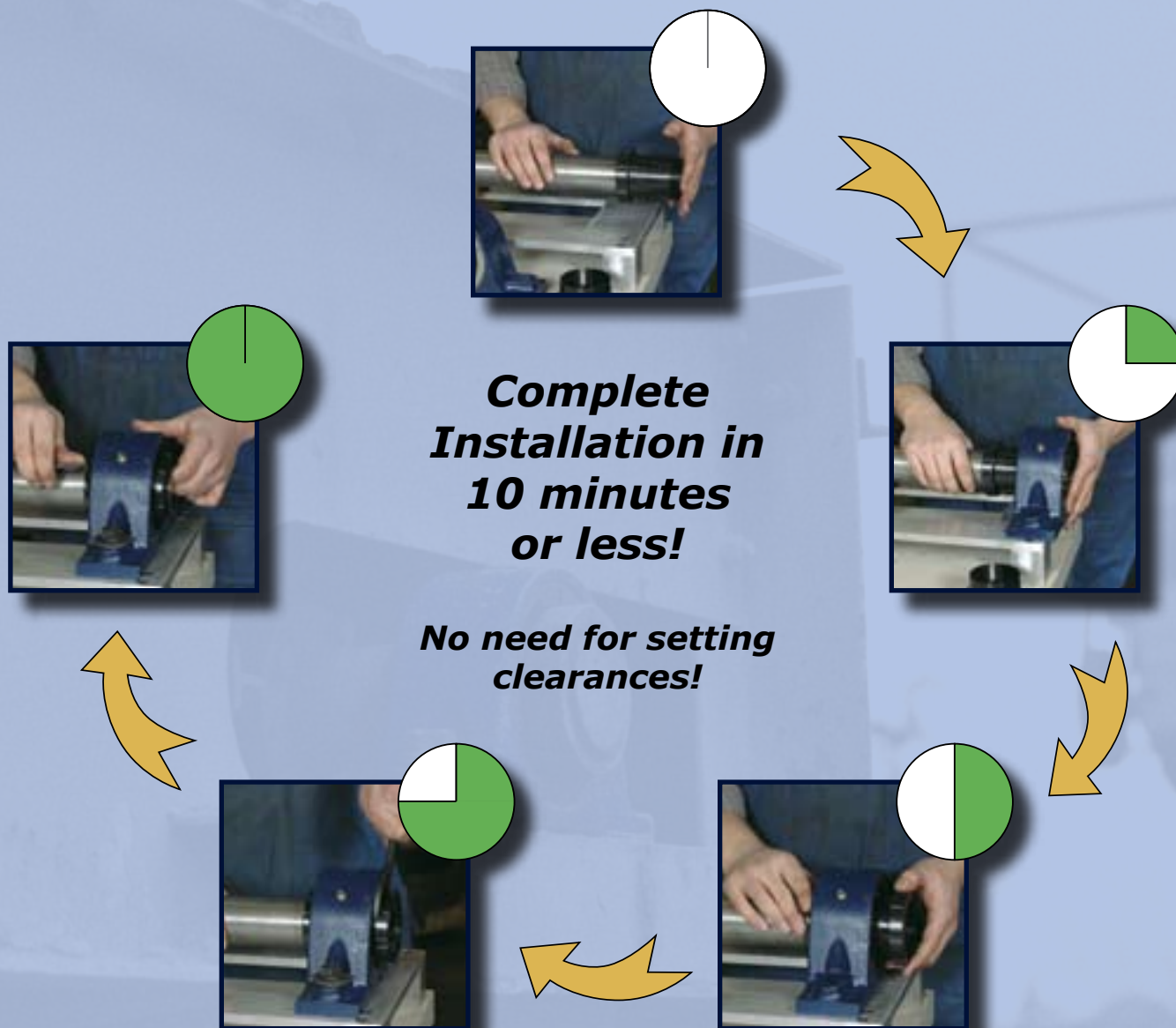
Design Details

The unique patented insert design is what makes V-Lock bearings different from the competition. Plus, V-Lock gives you all of the advantages of the entire Blue Brute bearing family.

- ⇒ More surface area contact
- ⇒ Double tapered inner ring
- ⇒ Split **clamping** nuts



Installation of V-Lock™ is quick and easy...



The Math is Simple:

Less Time Installing and Removing Bearings + Increased Bearing Life = Less Downtime

QM Bearings understands your goal of less downtime. That is why we have designed the new Blue Brute V-Lock bearings with higher load ratings compared to other locking styles and to be quick and easy to install and remove. V-Lock bearings do not require you to set internal clearances and cannot be over-tightened. Plus, the patented locking mechanism virtually eliminates fretting corrosion and the mechanical withdrawal sleeve allows for easy removal.



It's Easy to Switch to QM Bearings — Replacement Sizes are Interchangeable

Blue Brute bearings are direct replacements for virtually all comparable bearings in use. Are you ready to switch or want to learn more about which Blue Brute bearing is ideal for your application? See the interchange guide in the QM Product Catalog or online at www.qmbearings.com. Better still, contact your local distributor or QM representative (listed on the QM website) or call (800) 661-5568 (US) or (800) 661-7991 (Canada).

Distributed by:



North American Locations: Western Canada – Prince George, BC Eastern Canada – Mississauga, ON Western US – Ferndale, WA Southern US – Irving, TX Eastern US – Cuyahoga Falls, OH

QM Bearings designs, manufactures and markets rugged Blue Brute bearings, Quick-Flex couplings and rigid compression couplings. The company's precise manufacturing methods and innovative solutions have won over thousands of customers in over 40 countries. For more information, visit www.qmbearings.com for the distributor nearest you or call (800) 661-5568 or (360) 384-6673.