



LUMBER / SAWMILLS

*“QM has always made the extra effort to work with me to resolve any problem areas. I would strongly recommend using QM Blue Brute bearings on any application.”* – CHIEF MILLWRIGHT

**COLLABORATION BETWEEN QM BEARINGS AND THE MILL LEADS TO SOLUTION THAT SAVES \$1000 AND 4 MAN-HOURS PER MONTH AND INCREASES OVERALL PRODUCTIVITY.**

### THE CHALLENGE

When the Chief Millwright at a high-production sawmill approached QM Bearings about a bearing problem on a vertical arbor gang saw feed roll system, he was determined to find a solution that would last. Because of the vertical application in an area that is constantly covered with sawdust, the piloted flange bearings on the vertical arbor gang saw were subject to contamination by sawdust fines being pushed through the seal on the rear of the piloted flange bearing. This contamination led to a reduced bearing life that required replacement of our competitor’s bearings every 2 to 4 weeks.



The new QM Blue Brute bearings have more than tripled the life of the competitors’ bearings at the mill.

## COMPANY PROFILE

### COMPANY

A modern, high production sawmill that upgrades machinery and processes to stay on the leading edge of the industry.

### INDUSTRY

Lumber

### NUMBER OF LOCATIONS

5

### PRODUCTS/SERVICES

Lumber

### QM BEARINGS PRODUCTS

QM Blue Brute EC Series QMC eccentric-lock flange cartridge bearings



## THE QM BEARINGS SOLUTION

Replacing the old bearings with new Blue Brute EC Series QMC eccentric-lock flange cartridge bearings, QM Bearings worked with the mill to develop a special secondary seal arrangement to keep the sawdust fines from entering the bearing. The final solution was composed of urethane bonded to the back of the spigot on the piloted flange unit and a triple lip seal that fits inside the bonded urethane and seals on the shaft.



QM Bearings worked together with the mill to come up with a special secondary seal arrangement to keep the sawdust fines from contaminating the bearing, leading to increased bearing life.



## THE RESULT

Exceeding customer expectations is not new for QM Bearings. By providing more durable QM Blue Brute bearings and a custom seal arrangement to protect the bearing from the sawdust fines, QM Bearings was able to help the sawmill increase the overall bearing life on their vertical arbor gang edger. This longer bearing life translates into a monthly savings of at least \$1000 and 4 man-hours, and reduces overall down time. They were happy to see this collaborative effort pay off. The bearings were lasting much longer than the previous 2 to 4 weeks—after 20 weeks, all 12 QM Blue Brute bearings showed no signs of failure.

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

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](http://www.qmbearings.com) for the distributor nearest you or call 800.661.7991 (Canada) and 800.661.5568 (U.S.)

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