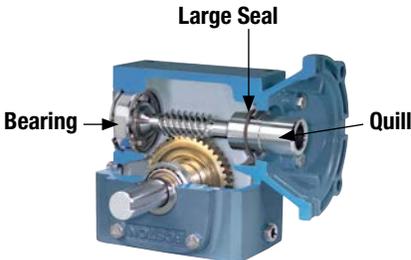
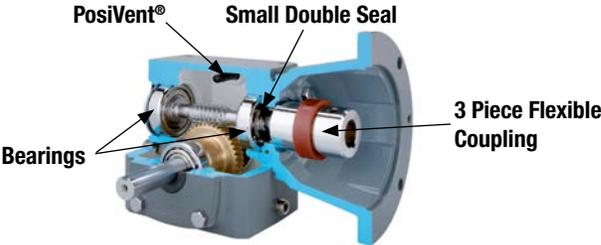




## Material Handling Solutions

# Boston Gear QC 700 Series

Long-Life Reliability and Leak-Free Operation

Features	Existing common Worm Gearboxes supplied by many integrators	Advantages of upgrading to the Boston Gear QC 700 Series
<b>Bearings</b>	3-bearing design; uses the motor bearings to support gearbox input shaft. If seal is damaged during the motor mounting process, premature leakage can occur.	4-bearing design; superior shaft support on both input and output shaft. The 4-bearing design keeps the high speed shaft steady during installation and during operation. The design can withstand heavier shock loads that may occur. No movement of input shaft and no premature leakage due to shaft wobble damaging the seals.
<b>Venting</b>	Industry standard is a simple vent to atmosphere. The simple vent permits contaminants to be sucked into the gearbox during cool down.	Unit is equipped with Boston Gear's PosiVent® internal pressure equalization system. PosiVent® keeps pressure low in the gearbox and the unit is completely sealed keeping any contamination out of the gearbox. <b>How?</b> The PosiVent® bladder and seal system minimizes internal pressure build-up by expanding or collapsing based on pressure. <b>Why?</b> A sealed system keeps dirt and moisture out and thus increases life of the entire gearbox.
<b>Flange</b>	Common flange designs use pry slots for motor removal or access holes for couplings	The QC flange completely encloses the high speed seal. This prevents atmospheric dirt from accumulating under the seal lip and accelerating seal/shaft wear. Longer seal life is insured due to a cleaner operating environment.
<b>Seals</b>	Single input seal	Unit is provided with two input seals <b>Why?</b> Double sealing offers extra protection from wear on the high speed shaft extending the time for maintenance due to leakage. The smaller shaft diameter of the QC design creates less seal wear and therefore longer life due to a lower surface speed.
<b>Input Style</b>	Quill style hollow input is very common and is widely used in the distribution warehouse industry by integrators.	Coupling style input as used by Boston Gear in the QC700 series provides easy motor removal and replacement while minimizing space constraints. Most gearmotor failures (85%) are due to a motor failure and therefore a coupling style of gearbox facilitates quick and easy replacement.
<b>Upgrading</b>	Example of a three bearing worm gearbox. 	Upgrading to the backward-compatible Boston Gear QC series with the above built-in features will provide longer, trouble free operation and virtually no maintenance. The QC flange is typically 1-2 inches longer than a quill style gearbox and causes the motor to stick out farther. 

# Build Your 700 Series Right Angle Worm Gearbox – Single Reduction Part Number Dodge Conversion Chart

