

WP0170

Dodge® Raptor couplings: shelf life specifics

Dodge Customer/Order Engineering

10-06-2016



The Dodge Raptor coupling utilizes an easy to assemble, patented split natural rubber element that offers a number of performance benefits when compared to competitive urethane designs. Raptor elements are also available in an optional armored design for added protection in harsh environments. All elastomers, including both the standard and armored Raptor elements, will have a limited shelf life. It is important to both understand what shelf life is and the recommended shelf life associated with Raptor elements.

Shelf life is defined per MIL-HDBK-695E as the maximum period of time between the cure date and the date the elastomeric product is first removed or unpackaged for installation or fabrication into a component part of a subassembly, assembly, or system. During the shelf lifetime, the stored elastomeric product is expected to retain its characteristics as originally specified, if it is stored under proper storage conditions.

The shelf life for both the standard and armored Raptor elements is 5 years. The recommended storage temperature is between 60° F and 100° F with a relative humidity less than 75%. The element should be stored in an environment where it is not exposed to direct sunlight or ultraviolet light and incurs minimum exposure to ozone, oils, solvents, corrosive liquids and fumes, and ionizing radiation. This criterion is best achieved by leaving the elements in the supplied packaging while storing them in a typical warehouse environment.

The 5-year limited warranty offered with the Raptor coupling begins once it is removed from the packaging and installed on the application or the subassembly. The element must be installed before the 5-year shelf life is exhausted to take advantage of both the warranty and the full performance benefits of the Raptor coupling.

For additional information or questions related to the Dodge Raptor's shelf life, please contact Dodge Customer Order (C.O.) Engineering for bearings and PT components.

EXTERNAL/PUBLIC DOCUMENT

ABB Motors and Mechanical Inc.

6040 Ponders Court

Greenville, SC 29615

Phone: +1 864 284 5700

Email: DodgeEngineering@abb.com