

# HCS Brief

## Hydraulic Cartridge Systems

Tech Brief  
TB-0019

## Shelf Life for Parker HCS product

A common question asked of the Parker HCS Technical Support Team is what is the Shelf Life for our products?

The shelf life of Parker HCS products is based on numerous different factors, such as:

1. Storage of the product - How, where, etc.
2. Packaging of the product - Unopened, no holes/tears in packaging, etc.
3. Environmental conditions of the storage location

Based on the Parker HCS product being stored in its original, unopened packaging, the valves should have a long shelf life and would therefore be limited by the seals (o-rings or d-rings) used on the product.

The Nitrile and Fluorocarbon o-rings used on our products have a shelf life of 7 years. The D-rings have a shelf life of 10 years.

Since Parker HCS uses these seal types on a daily basis, with a First-in, First-out stock rotation, the date code that is stamped on the product can be used as the manufacture date of the seals for shelf life determination.

### More Information

Parker bodies are available from the Hydraulic Cartridge Systems Division. Consult your HCS catalog or [www.parker.com/hcs](http://www.parker.com/hcs) for more information. You can also contact a Product Manager or Technical Support Specialist for help at 847-955-5000 or [HCSTechnical@parker.com](mailto:HCSTechnical@parker.com).