

Sealing rings for aerospace applications

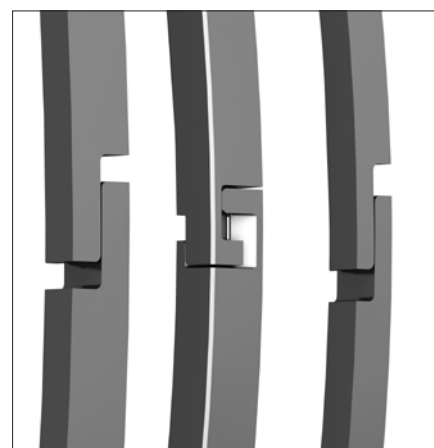
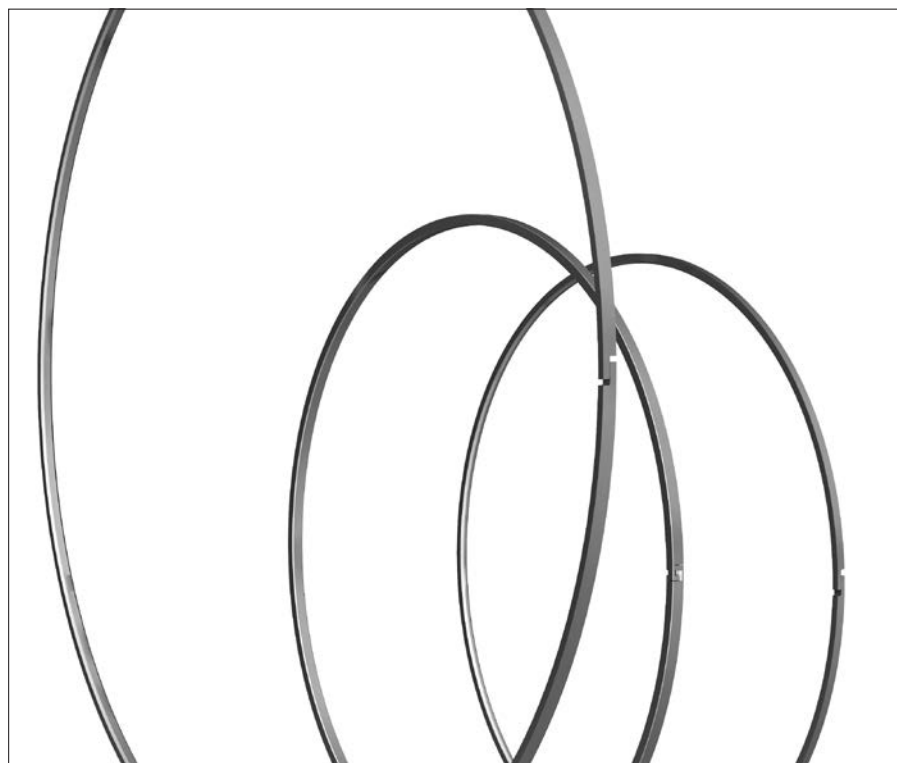
Kaydon is the premier designer and manufacturer of sealing rings. Kaydon seal rings are specified for a broad range of static and dynamic aerospace applications, including turbine engines, actuators, auxiliary power units, environmental control units, and high temperature valve applications for both military and commercial platforms.

Kaydon sealing rings are used as bearing damper rings in turbine engines, valve and actuator assemblies, and other critical sealing applications. Decades of engineering, application and manufacturing expertise go into every product, and result in Kaydon being a “go to” supplier for the most demanding aerospace applications.

Patented joint configurations are available for applications requiring the strictest leakage control and for blind assembly applications. Various coatings are also utilized and are specified based on the needs of the application.

Ring materials for proven performance

Kaydon offers extensive know-how in the application of a full range of materials to meet performance demands. Kaydon's foundry produces the proprietary AMS7310, a preferred ring material for many aircraft engine applications, with a proven history of superior performance characteristics, as well as metallic ferrous rings, high temperature alloys such as Inconel, and thermoplastic and thermoset nonmetallic materials. Kaydon offers proprietary PTFE blends developed for optimum wear and sealing efficiency for specific applications.





Applications

- Engine bearing damper rings
- Secondary seals used in carbon face seals
- Turbine module seals
- Tube seals
- Flight actuator seals
- Auxiliary power unit (APU) seals
- Environmental control unit (ECU, ECS) seals
- High temperature valve application seals
- Military aircraft engine seals
- Commercial aircraft engine seals
- Piston engines for general aviation

Project schedule and scope

As a large, vertically integrated sealing ring manufacturer, Kaydon routinely surpasses all others in support of prototype and development hardware meeting demanding schedules from the design phase to delivery of parts.

Quality

Kaydon is known for our consistently high quality. Kaydon utilizes continuous improvement and Six Sigma methodologies in our vigorous efforts to achieve even higher levels of performance. Kaydon's internal quality

programs and processes are supported with approvals from ISO9001, AS9100 and NAD-CAP as well as numerous individual process approvals from the world's leading aerospace OEMs.

Kaydon's aerospace application group has the experience and expertise to help with new sealing ring designs optimized for your performance requirements.

Contact us today at ringandseal@kaydon.com or learn more at KaydonRingandSeal.com

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