

# Radial Seals - OmniSeal Series 103A



## Radial Seal

The OmniSeal 103A is a refinement of the original spring energised seal design. The helical wound flat spring offers a moderate to high spring load for static and slow to moderate speed dynamic sealing. It has higher friction than the 400A Series, but better sealing of light liquids and gases. Available in all aero-space, military and industrial gland sizes.



OmniSeal type 103A is generally used for static applications and when positive sealing is most critical. Its relatively high spring load allows excellent sealing on smooth surfaces and satisfactory sealing on rougher surfaces. The standard spring load averages 5 N/mm circumference, but may be tailored from less than 5N up to 20N/mm circumference, to suit specific sealing specifications. Typically, high loads are required where extremely low leak rates are necessary, as in the sealing of cryogenic gases.

The 103A seal can also be successfully used in slow dynamic applications, both for radial or face seal type applications. (see page 24-25 for face seal info). The largest possible cross section should be selected, especially where application temperatures are in the extremes.

For more information, please contact our technical service and/or fill out the application data sheet on page 27.

Radial	Standard Lip	Skived I.D. Lip	Skived O.D. Lip
Standard Heel G Width			
Part No.	230	231	232
Extended Heel G <sub>1</sub> Width			
Part No.	233	234	235
Flanged Heel G <sub>1</sub> Width			Other shapes available on simple request
Part No.	236	237	

## Part Number System

