

155

ADDITIONAL PRODUCT

*Polyester Static Seal
for Bore Sealing Applications*

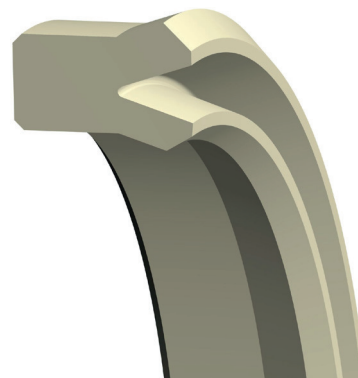
DESIGN

The Hallite 155 U-ring static seal designed to seal the joint between the gland and the cylinder bore. The Hallite 155 replaces the conventional O-ring and back-up ring combination.

Through its special design and polyester material compound, the seal will work with a maximum extrusion gap of 0.40 mm at 500 bar pressure.

Every nominal diameter of the Hallite 155 is suitable for a range of bore diameters, ØD₁. See part number range for details.

This seal was developed for water-based, HFA, applications, but can also be used with standard mineral oil fluids.



FEATURES

- Replaces an O-ring and back-up combination
- Provides reliable high pressure sealing

MATERIALS

As standard, this product comes in the following material. Contact your local Hallite technical team if you would like to find out if this profile can be made in a custom material to suit your application. For further material details, please refer to the Hallite Material Table.

MATERIAL OPTIONS	Name	Type	Colour
Standard	TPE 201	TPE	Light Grey



TECHNICAL DETAILS

OPERATING CONDITIONS	METRIC	INCH
HFA Fluids		
Temperature Range	-0°C +60°C	+32°F +140°F
Maximum Pressure	500 bar	7500 psi
Mineral Oil		
Temperature Range	-30°C +100°C	-22°F +212°F
Maximum Pressure	500 bar	7500 psi

NOTE

Data given are maximum values and can apply depending on specific application. Maximum ratings of temperature, pressure, or operating speeds are dependent on fluid medium, surface, gap value, and other variables such as dynamic or static service. Maximum values are not intended for use together at the same time, e.g. max temperature and max pressure. Please contact your Hallite technical representative for application support.

SURFACE ROUGHNESS	μmRa	μmRz	μmRt	μinRa	μinRz	μinRt
Static Sealing Face ØD ₁	1.6 max	6.3 max	10 max	63 max	250 max	394 max
Static Sealing Face Ød ₂	1.6 max	6.3 max	10 max	63 max	250 max	394 max
Static Housing Faces L ₁	3.2 max	10 max	16 max	125 max	394 max	630 max

RADII			
Groove Section ≤ S mm	4.00	5.60	6.80
Min Chamfer C mm	6.00	8.00	10.00
Max Fillet Rad r ₁ mm	0.20	0.40	0.40

TOLERANCES	Ød ₁	Ød ₂ =ØD ₁ -2S	ØD ₁	L ₁
mm	f7	h9	H8	+0.30 -0