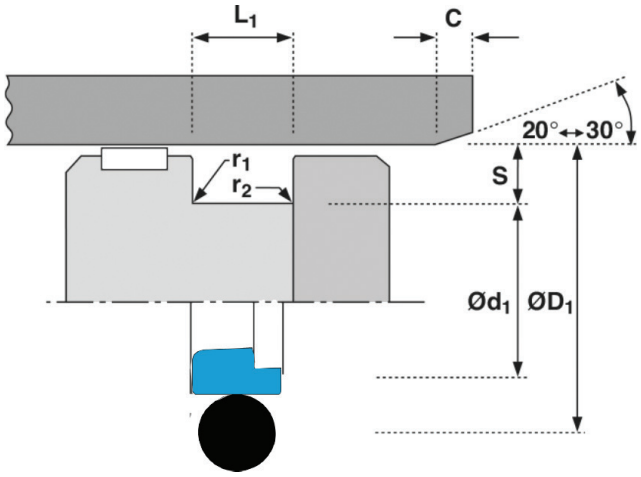
PK8S



Technical Details Metric Inch

Operating conditions		
Maximum speed	4.0 m/sec	12.0 ft/sec
Temperature range	-30°C + 100°C	-22°F + 212°F
Maximum pressure	300 Bar	4500 p.s.i

Maximum extrusion gap

Pressure bar	160	150	250	300
Pressure p.s.i	1500	2400	3750	4500
Max Gap in	0.024	0.020	0.018	0.016

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface $Ød_1$	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face $ØD_1$	1.6 max	10 max	63 max	70 max
Static housing faces L_1	3.2 max	16 max	125 max	140 max

Chamfers & Radii

Groove section ≤ S in	0.148	0.216	0.305	0.413	0.482
Min chamfer C mm	0.079	0.118	0.197	0.295	0.315
Max fillet rad r_1 mm	0.016	0.031	0.047	0.059	0.059

Tolerances

$Ød_1$	$ØD_1$	L_1 in
f9	H11	+0.008 - 0

DESIGN

GS9S has a self relieving seal design which prevents pressure from trapping and a simple groove design for easy installation. The self relieving design prevents excessive pressure build up in the cavity between the buffer seal and rod seal.

It has a special PTFE ring that has low frictional properties which are normally associated with this material but is strengtened by additives to reduce creep. GS9S comes in a wide range of materials for special applications.

FEATURES

- Single acting seal
- Low friction - no stick slip
- Simple groove design and installation
- Self relieving design prevents pressure tapping

MATERIAL

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet.

APPLICATIONS

The seal can be considered for use in heavy-duty applications when used with a suitable full depth back-up ring.

CERTIFIED Product Quality