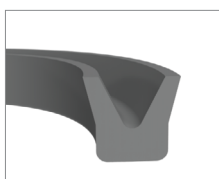


Materials	Temp. Range		
Nitrile (NBR)	-40°C	to	120°C
Hydrogenated Nitrile (HNBR)	-40°C	to	160°C
Viton™/Fluorocarbon (FKM)	-26°C	to	204°C
Chloroprene (CR)	-40°C	to	121°C
Silicone (VMQ)	-65°C	to	232°C
Ethylene Propylene (EPDM)	-54°C	to	150°C



Block Vee



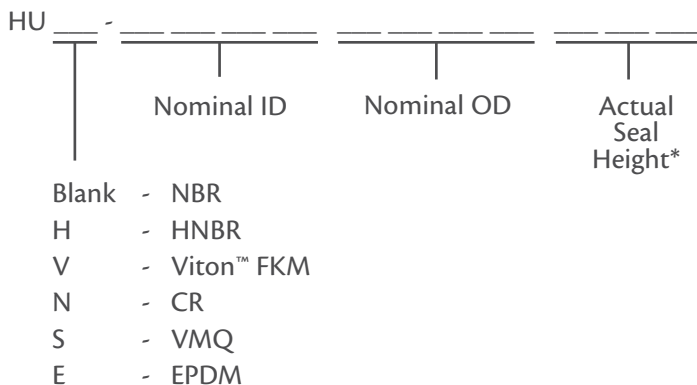
AN 6226

Product Description

Homogenous U-cups (HU) are non-loaded U-cups. They are a popular seal in low pressure applications where a low friction seal is beneficial. HU seals are most commonly used in pneumatic applications as a rod or piston seal. The design is suited for situations where space is limited. HU seals are typically made from 70A or 80A durometer NBR materials.

These seals can withstand pressures of up to 250 PSI in pneumatic applications, and up to 1,250 PSI in hydraulic applications.

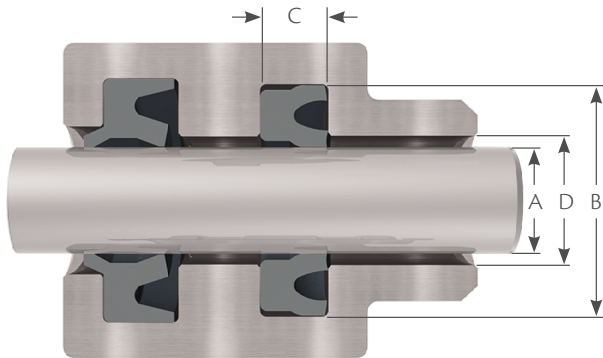
Part Numbers:



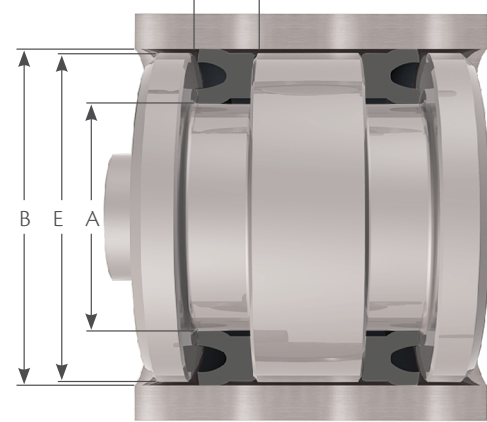
* Height is only listed if the axial height is greater than the cross-section.

Example: HU 0375 0625 - Homogenous, U-Cup, NBR, 3/8” Nominal ID, 5/8” Nominal OD

Rod Gland



Piston Gland



Homogenous U-Cups

Rod Gland Application

A Rod Diameter		Seal C/S	B Groove Diameter		C Groove Width +0.015/ -0.000	D Throat Diameter	
Range	Tolerance		Calculation	Tolerance		Calculation	Tolerance
0.125 - 0.249	+0.000/ -0.002	02/32 (0.062)	Dia. A + 0.125	+0.002/ -0.000	0.093	Dia. A + 0.001	+0.002/ -0.000
0.250 - 0.374	+0.000/ -0.002	03/32 (0.094)	Dia. A + 0.187	+0.002/ -0.000	0.125	Dia. A + 0.001	+0.002/ -0.000
0.375 - 1.124	+0.000/ -0.002	04/32 (0.125)	Dia. A + 0.250	+0.002/ -0.000	0.156	Dia. A + 0.001	+0.002/ -0.000
1.125 - 1.624	+0.000/ -0.002	05/32 (0.156)	Dia. A + 0.312	+0.002/ -0.000	0.188	Dia. A + 0.001	+0.002/ -0.000
1.625 - 3.249	+0.000/ -0.002	06/32 (0.187)	Dia. A + 0.375	+0.002/ -0.000	0.218	Dia. A + 0.001	+0.002/ -0.000
3.250 - 4.999	+0.000/ -0.003	08/32 (0.250)	Dia. A + 0.500	+0.003/ -0.000	0.281	Dia. A + 0.002	+0.003/ -0.000
5.000 - 5.499	+0.000/ -0.003	09/32 (0.281)	Dia. A + 0.562	+0.003/ -0.000	0.312	Dia. A + 0.002	+0.003/ -0.000
5.500 - 8.999	+0.000/ -0.003	10/32 (0.312)	Dia. A + 0.625	+0.004/ -0.000	0.344	Dia. A + 0.002	+0.003/ -0.000
9.000 +	+0.000/ -0.004	12/32 (0.375)	Dia. A + 0.750	+0.005/ -0.000	0.406	Dia. A + 0.002	+0.004/ -0.000

Piston Gland Application

B Bore Diameter		Seal C/S	A Groove Diameter		C Groove Width +0.015/ -0.000	E Piston Diameter	
Range	Tolerance		Calculation	Tolerance		Calculation	Tolerance
0.250 - 0.436	+0.002/ -0.000	02/32 (0.062)	Dia. B - 0.125	+0.000/ -0.002	0.093	Dia. B - 0.001	+0.000/ -0.001
0.437 - 0.624	+0.002/ -0.000	03/32 (0.094)	Dia. B - 0.187	+0.000/ -0.002	0.125	Dia. B - 0.001	+0.000/ -0.001
0.625 - 1.374	+0.002/ -0.000	04/32 (0.125)	Dia. B - 0.250	+0.000/ -0.002	0.156	Dia. B - 0.001	+0.000/ -0.001
1.375 - 1.749	+0.002/ -0.000	05/32 (0.156)	Dia. B - 0.312	+0.000/ -0.002	0.188	Dia. B - 0.001	+0.000/ -0.001
1.750 - 2.999	+0.002/ -0.000	06/32 (0.187)	Dia. B - 0.375	+0.000/ -0.002	0.218	Dia. B - 0.001	+0.000/ -0.002
3.000 - 3.999	+0.003/ -0.000	07/32 (0.219)	Dia. B - 0.437	+0.000/ -0.003	0.250	Dia. B - 0.001	+0.000/ -0.002
4.000 - 5.499	+0.003/ -0.000	08/32 (0.250)	Dia. B - 0.500	+0.000/ -0.003	0.281	Dia. B - 0.001	+0.000/ -0.002
5.500 - 6.999	+0.003/ -0.000	09/32 (0.281)	Dia. B - 0.562	+0.000/ -0.003	0.312	Dia. B - 0.002	+0.000/ -0.002
7.000 - 9.999	+0.003/ -0.000	10/32 (0.312)	Dia. B - 0.625	+0.000/ -0.004	0.344	Dia. B - 0.002	+0.000/ -0.002
10.000 - 11.999	+0.004/ -0.000	11/32 (0.344)	Dia. B - 0.687	+0.000/ -0.004	0.375	Dia. B - 0.002	+0.000/ -0.002
12.000 - 13.999	+0.004/ -0.000	12/32 (0.375)	Dia. B - 0.750	+0.000/ -0.005	0.406	Dia. B - 0.002	+0.000/ -0.002
14.000 - 17.999	+0.004/ -0.000	13/32 (0.406)	Dia. B - 0.812	+0.000/ -0.005	0.437	Dia. B - 0.002	+0.000/ -0.002
18.000 +	+0.005/ -0.000	14/32 (0.437)	Dia. B - 0.875	+0.000/ -0.006	0.469	Dia. B - 0.002	+0.000/ -0.002