



GH profile data

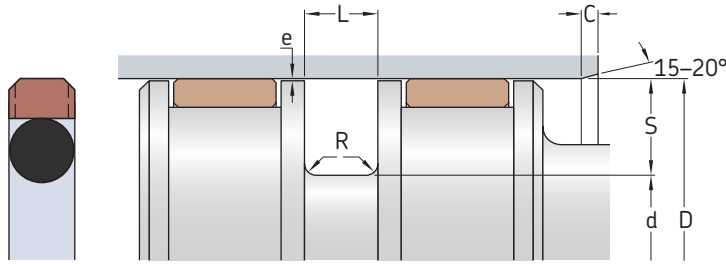


Material codes	Slide ring: metric sizes → 292 inch sizes → 741 Energizer: metric sizes → N70/6052 inch sizes → A-8501
Pressure	Up to 400 bar (5 800 psi)
Speed	Up to 1 m/s (3.2 ft/s)
Temperature range	<p>Temperature range color scale: -75 to 285 degrees. The scale is divided into five color-coded regions: blue (-75 to -50), grey (-50 to -40), green (-40 to 100), yellow (100 to 250), and red (250 to 285). The top row shows values in degrees Celsius (-60, -50, -40, 100, 120, 140) and the bottom row shows values in degrees Fahrenheit (-75, -60, -40, 210, 250, 285).</p> <ul style="list-style-type: none"> Extreme low temperature range: may be intermittently exposed (e.g. cold start-up) without seal damage, but seal performance may be compromised while in this range Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended) Recommended operating temperature range for this profile and material Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap Extreme high temperature range: only occasional short-term exposure (e.g. cylinder in curing oven of a powder coating process)
Dimension standards	Some metric sizes fit seal housings in accordance with ISO 7425-1.

Maximum values of application parameters (e.g. pressure, speed, temperature, e-gap) should not be applied continuously nor simultaneously.

GH profile piston seals, metric sizes

D 14 – 70 mm



Maximum extrusion gap e

Radial depth S	e _{max} at 80 °C (175 °F) for pressures		
	160 bar	250 bar	400 bar

mm	mm		
2,45	0,35	0,25	0,15
3,75	0,35	0,25	0,15
5,5	0,4	0,3	0,2
7,75	0,5	0,35	0,25
10,5	0,6	0,45	0,35

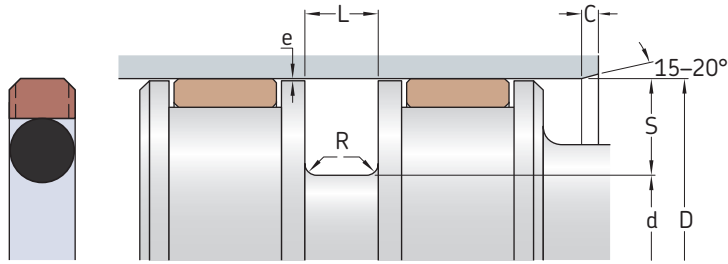
For additional information → [page 34](#)

Dimensions						Designation
D	d	L	S	R	C	
H9	h9	+0,2		max.	min.	
mm						–
14	9,1	2,2	2,45	0,5	3	GH 14x9.1x2.2-AD1
18	10,5	3,2	3,75	0,5	5	GH 18x10.5x3.2-AD1
20	12,5	3,2	3,75	0,5	5	• GH 20x12.5x3.2-AD1
	15,1	2,2	2,45	0,5	3	GH 20x15,1x2.2-AD1
22	14,5	3,2	3,75	0,5	5	GH 22x14.5x3.2-AD1
25	17,5	3,2	3,75	0,5	5	• GH 25x17.5x3.2-AD1
28	20,5	3,2	3,75	0,5	5	GH 28x20.5x3.2-AD1
30	22,5	3,2	3,75	0,5	5	GH 30x22.5x3.2-AD1
32	24,5	3,2	3,75	0,5	5	• GH 32x24.5x3.2-AD1
35	27,5	3,2	3,75	0,5	5	GH 35x27.5x3.2-AD1
36	28,5	3,2	3,75	0,5	5	GH 36x28.5x3.2-AD1
40	29	4,2	5,5	0,5	7	• GH 40x29x4.2-AD1
	32,5	3,2	3,75	0,5	5	• GH 40x32.5x3.2-AD1
45	34	4,2	5,5	0,5	7	GH 45x34x4.2-AD1
	37,5	3,2	3,75	0,5	5	GH 45x37.5x3.2-AD1
50	34,5	6,3	7,75	0,5	10	• GH 50x34.5x6.3-AD1
	39	4,2	5,5	0,5	7	• GH 50x39x4.2-AD1
60	49	4,2	5,5	0,5	7	GH 60x49x4.2-AD1
63	52	4,2	5,5	0,5	7	• GH 63x52x4.2-AD1
65	54	4,2	5,5	0,9	7	GH 65x54x4.2-AD1
70	59	4,2	5,5	0,9	7	GH 70x59x4.2-AD1

• Seal housing dimensions in accordance with ISO 7425-1

GH profile piston seals, metric sizes

D 75 – 200 mm



Maximum extrusion gap e

Radial depth S	e _{max} at 80 °C (175 °F) for pressures		
	160 bar	250 bar	400 bar

mm	mm		
2,45	0,35	0,25	0,15
3,75	0,35	0,25	0,15
5,5	0,4	0,3	0,2
7,75	0,5	0,35	0,25
10,5	0,6	0,45	0,35

For additional information → [page 34](#)

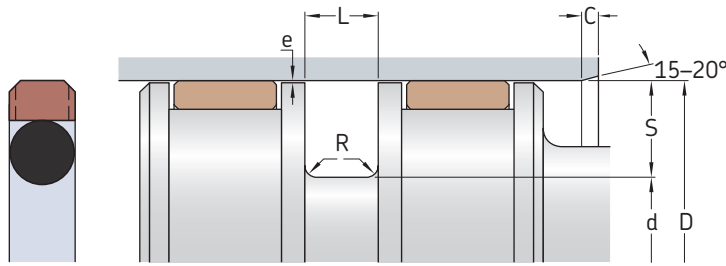
Dimensions						Designation
D	d	L	S	R	C	
H9	h9	+0,2		max.	min.	
mm						–
75	59,5	6,3	7,75	0,9	10	GH 75x59.5x6.3-AD1
	64	4,2	5,5	0,9	7	GH 75x64x4.2-AD1
80	64,5	6,3	7,75	0,9	10	• GH 80x64.5x6.3-AD1
	69	4,2	5,5	0,9	7	• GH 80x69x4.2-AD1
85	69,5	6,3	7,75	0,9	10	GH 85x69.5x6.3-AD1
	74	4,2	5,5	0,9	7	GH 85x74x4.2-AD1
90	74,5	6,3	7,75	0,9	10	GH 90x74.5x6.3-AD1
	79	4,2	5,5	0,9	7	GH 90x79x4.2-AD1
95	79,5	6,3	7,75	0,9	10	GH 95x79.5x6.3-AD1
	84	4,2	5,5	0,9	7	GH 95x84x4.2-AD1
100	79	8,1	10,5	0,9	12	GH 100x79x8.1-AD1
	84,5	6,3	7,75	0,9	10	• GH 100x84.5x6.3-AD1
105	89,5	6,3	7,75	0,9	10	GH 105x89.5x6.3-AD1
110	94,5	6,3	7,75	0,9	10	GH 110x94.5x6.3-AD1
115	99,5	6,3	7,75	0,9	10	GH 115x99.5x6.3-AD1
120	104,5	6,3	7,75	0,9	10	GH 120x104.5x6.3-AD1
125	104	8,1	10,5	0,9	12	• GH 125x104x8.1-AD1
	109,5	6,3	7,75	0,9	10	• GH 125x109.5x6.3-AD1
130	109	8,1	10,5	0,9	12	GH 130x109x8.1-AD1
	114,5	6,3	7,75	0,9	10	GH 130x114.5x6.3-AD1
140	119	8,1	10,5	0,9	12	GH 140x119x8.1-AD1
	124,5	6,3	7,75	0,9	10	GH 140x124.5x6.3-AD1
150	129	8,1	10,5	0,9	12	GH 150x129x8.1-AD1
	134,5	6,3	7,75	0,9	10	GH 150x134.5x6.3-AD1

• Seal housing dimensions in accordance with ISO 7425-1

Dimensions						Designation
D	d	L	S	R	C	
H9	h9	+0,2		max.	min.	
mm						-
160	139	8,1	10,5	0,9	12	• GH 160x139x8.1-AD1
	144,5	6,3	7,75	0,9	10	• GH 160x144.5x6.3-AD1
170	149	8,1	10,5	0,9	12	GH 170x149x8.1-AD1
180	159	8,1	10,5	0,9	12	GH 180x159x8.1-AD1
190	169	8,1	10,5	0,9	12	GH 190x169x8.1-AD1
200	179	8,1	10,5	0,9	12	• GH 200x179x8.1-AD1

Other sizes are available on request

GH profile piston seals, inch sizes
D 0.5 – 2.375 in.



Maximum extrusion gap e

Radial Series e_{max} at 80 °C (175 °F)
depth for pressures
 S 2 300 psi 3 600 psi 5 800 psi

in.	–	in.			
0.087	0A	0.014	0.01	0.006	
0.13	0D	0.014	0.01	0.006	
0.149	1A	0.014	0.01	0.006	
0.196	1D	0.015	0.011	0.007	
0.212	2A	0.016	0.012	0.008	
0.259	2D	0.018	0.013	0.009	
0.308	3A	0.02	0.014	0.01	
0.415	4A	0.024	0.018	0.014	

For additional information → page 34

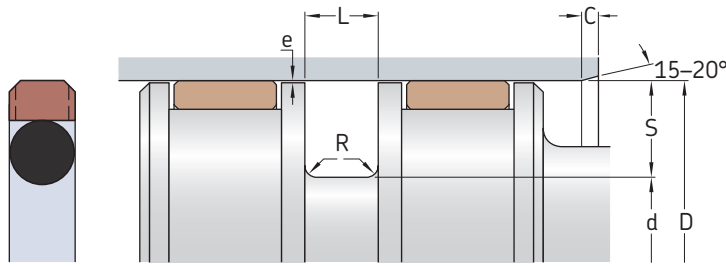
Dimensions

Designation

D	Tolerance	d	Tolerance	L ±0.002	S	R max.	C min.	Designation
in.								–
0.5	+0.002	0.24	±0.002	0.083	0.13	0.015	0.1	GH0D-500-AD1
	+0.002	0.326	±0.001	0.083	0.087	0.015	0.08	GH0A-500-AD1
0.562	+0.002	0.302	±0.002	0.083	0.13	0.015	0.1	GH0D-562-AD1
	+0.002	0.388	±0.001	0.083	0.087	0.015	0.08	GH0A-562-AD1
0.625	+0.002	0.365	±0.002	0.083	0.13	0.015	0.1	GH0D-625-AD1
	+0.002	0.451	±0.001	0.083	0.087	0.015	0.08	GH0A-625-AD1
0.687	+0.002	0.389	±0.001	0.128	0.149	0.015	0.125	GH1A-687-AD1
	+0.002	0.427	±0.002	0.083	0.13	0.015	0.1	GH0D-687-AD1
	+0.002	0.513	±0.001	0.083	0.087	0.015	0.08	GH0A-687-AD1
0.75	+0.002	0.452	±0.001	0.128	0.149	0.015	0.125	GH1A-750-AD1
	+0.002	0.49	±0.002	0.083	0.13	0.015	0.1	GH0D-750-AD1
	+0.002	0.576	±0.001	0.083	0.087	0.015	0.08	GH0A-750-AD1
0.812	+0.002	0.514	±0.001	0.128	0.149	0.015	0.125	GH1A-812-AD1
	+0.002	0.552	±0.002	0.083	0.13	0.015	0.1	GH0D-812-AD1
	+0.002	0.638	±0.001	0.083	0.087	0.015	0.08	GH0A-812-AD1
0.875	+0.002	0.577	±0.001	0.128	0.149	0.015	0.125	GH1A-875-AD1
	+0.002	0.615	±0.002	0.083	0.13	0.015	0.1	GH0D-875-AD1
	+0.002	0.701	±0.001	0.083	0.087	0.015	0.08	GH0A-875-AD1
0.937	+0.002	0.639	±0.001	0.128	0.149	0.015	0.125	GH1A-937-AD1
	+0.002	0.677	±0.002	0.083	0.13	0.015	0.1	GH0D-937-AD1
	+0.002	0.763	±0.001	0.083	0.087	0.015	0.08	GH0A-937-AD1
1	+0.002	0.702	±0.001	0.128	0.149	0.015	0.125	GH1A-1000-AD1
	+0.002	0.74	±0.002	0.083	0.13	0.015	0.1	GH0D-1000-AD1
	+0.002	0.826	±0.001	0.083	0.087	0.015	0.08	GH0A-1000-AD1
1.062	+0.002	0.764	±0.001	0.128	0.149	0.015	0.125	GH1A-1062-AD1
	+0.002	0.802	±0.002	0.083	0.13	0.015	0.1	GH0D-1062-AD1
	+0.002	0.888	±0.001	0.083	0.087	0.015	0.08	GH0A-1062-AD1
1.125	+0.002	0.827	±0.001	0.128	0.149	0.015	0.125	GH1A-1125-AD1
	+0.002	0.865	±0.002	0.083	0.13	0.015	0.1	GH0D-1125-AD1
	+0.002	0.951	±0.001	0.083	0.087	0.015	0.08	GH0A-1125-AD1

Dimensions								Designation
D	Tolerance	d	Tolerance	L ±0.002	S	R max.	C min.	
in.								-
1.187	+0.002	0.889	±0.001	0.128	0.149	0.015	0.125	GH1A-1187-AD1
	+0.002	0.927	±0.002	0.083	0.13	0.015	0.1	GH0D-1187-AD1
	+0.002	1.013	±0.001	0.083	0.087	0.015	0.08	GH0A-1187-AD1
1.25	+0.002	0.952	±0.001	0.128	0.149	0.015	0.125	GH1A-1250-AD1
	+0.002	0.99	±0.002	0.083	0.13	0.015	0.1	GH0D-1250-AD1
	+0.002	1.076	±0.001	0.083	0.087	0.015	0.08	GH0A-1250-AD1
1.312	+0.002	1.014	±0.001	0.128	0.149	0.015	0.125	GH1A-1312-AD1
	+0.002	1.052	±0.002	0.083	0.13	0.015	0.1	GH0D-1312-AD1
	+0.002	1.138	±0.001	0.083	0.087	0.015	0.08	GH0A-1312-AD1
1.375	+0.002	1.077	±0.001	0.128	0.149	0.015	0.125	GH1A-1375-AD1
	+0.002	1.115	±0.002	0.083	0.13	0.015	0.1	GH0D-1375-AD1
	+0.002	1.201	±0.001	0.083	0.087	0.015	0.08	GH0A-1375-AD1
1.437	+0.002	1.139	±0.001	0.128	0.149	0.015	0.125	GH1A-1437-AD1
	+0.002	1.177	±0.002	0.083	0.13	0.015	0.1	GH0D-1437-AD1
	+0.002	1.263	±0.001	0.083	0.087	0.015	0.08	GH0A-1437-AD1
1.5	+0.002	1.202	±0.001	0.128	0.149	0.015	0.125	GH1A-1500-AD1
	+0.002	1.24	±0.002	0.083	0.13	0.015	0.1	GH0D-1500-AD1
	+0.002	1.326	±0.001	0.083	0.087	0.015	0.08	GH0A-1500-AD1
1.562	+0.002	1.138	±0.002	0.168	0.212	0.015	0.14	GH2A-1562-AD1
	+0.002	1.17	±0.002	0.122	0.196	0.015	0.125	GH1D-1562-AD1
	+0.002	1.264	±0.001	0.128	0.149	0.015	0.125	GH1A-1562-AD1
1.625	+0.002	1.201	±0.002	0.168	0.212	0.015	0.14	GH2A-1625-AD1
	+0.002	1.233	±0.002	0.122	0.196	0.015	0.125	GH1D-1625-AD1
	+0.002	1.327	±0.001	0.128	0.149	0.015	0.125	GH1A-1625-AD1
1.687	+0.002	1.263	±0.002	0.168	0.212	0.015	0.14	GH2A-1687-AD1
	+0.002	1.295	±0.002	0.122	0.196	0.015	0.125	GH1D-1687-AD1
	+0.002	1.389	±0.001	0.128	0.149	0.015	0.125	GH1A-1687-AD1
1.75	+0.002	1.326	±0.002	0.168	0.212	0.015	0.14	GH2A-1750-AD1
	+0.002	1.358	±0.002	0.122	0.196	0.015	0.125	GH1D-1750-AD1
	+0.002	1.452	±0.001	0.128	0.149	0.015	0.125	GH1A-1750-AD1
1.812	+0.002	1.388	±0.002	0.168	0.212	0.015	0.14	GH2A-1812-AD1
	+0.002	1.42	±0.002	0.122	0.196	0.015	0.125	GH1D-1812-AD1
	+0.002	1.514	±0.001	0.128	0.149	0.015	0.125	GH1A-1812-AD1
1.875	+0.002	1.451	±0.002	0.168	0.212	0.015	0.14	GH2A-1875-AD1
	+0.002	1.483	±0.002	0.122	0.196	0.015	0.125	GH1D-1875-AD1
	+0.002	1.577	±0.001	0.128	0.149	0.015	0.125	GH1A-1875-AD1
1.937	+0.002	1.513	±0.002	0.168	0.212	0.015	0.14	GH2A-1937-AD1
	+0.002	1.545	±0.002	0.122	0.196	0.015	0.125	GH1D-1937-AD1
	+0.002	1.639	±0.001	0.128	0.149	0.015	0.125	GH1A-1937-AD1
2	+0.002	1.576	±0.002	0.168	0.212	0.015	0.14	GH2A-2000-AD1
	+0.002	1.608	±0.002	0.129	0.196	0.015	0.125	GH1D-2000-AD1
	+0.002	1.702	±0.001	0.128	0.149	0.015	0.125	GH1A-2000-AD1
2.125	+0.002	1.701	±0.002	0.168	0.212	0.015	0.14	GH2A-2125-AD1
	+0.002	1.733	±0.002	0.129	0.196	0.015	0.125	GH1D-2125-AD1
	+0.002	1.827	±0.001	0.128	0.149	0.015	0.125	GH1A-2125-AD1
2.25	+0.002	1.826	±0.002	0.168	0.212	0.015	0.14	GH2A-2250-AD1
	+0.002	1.858	±0.002	0.129	0.196	0.015	0.125	GH1D-2250-AD1
	+0.002	1.952	±0.001	0.128	0.149	0.015	0.125	GH1A-2250-AD1
2.375	+0.002	1.951	±0.002	0.168	0.212	0.015	0.14	GH2A-2375-AD1
	+0.002	1.983	±0.002	0.129	0.196	0.015	0.125	GH1D-2375-AD1
	+0.002	2.077	±0.001	0.128	0.149	0.015	0.125	GH1A-2375-AD1

GH profile piston seals, inch sizes
D 2.5 – 5.625 in.



Maximum extrusion gap e

Radial Series e_{max} at 80 °C (175 °F)
depth for pressures
S 2 300 psi 3 600 psi 5 800 psi

in.		in.		
0.087	0A	0.014	0.01	0.006
0.13	0D	0.014	0.01	0.006
0.149	1A	0.014	0.01	0.006
0.196	1D	0.015	0.011	0.007
0.212	2A	0.016	0.012	0.008
0.259	2D	0.018	0.013	0.009
0.308	3A	0.02	0.014	0.01
0.415	4A	0.024	0.018	0.014

For additional information → page 34

Dimensions

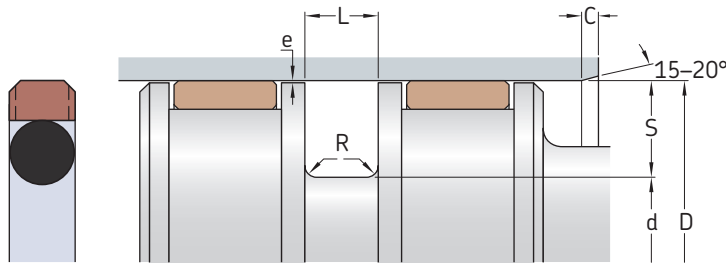
Designation

D	Tolerance	d	Tolerance	L ±0.002	S	R	C	Designation
in.						max.	min.	
2.5	+0.002	2.076	±0.002	0.168	0.212	0.015	0.14	GH2A-2500-AD1
	+0.002	2.108	±0.002	0.129	0.196	0.015	0.125	GH1D-2500-AD1
	+0.002	2.202	±0.001	0.128	0.149	0.015	0.125	GH1A-2500-AD1
2.625	+0.002	2.201	±0.002	0.168	0.212	0.015	0.14	GH2A-2625-AD1
	+0.002	2.233	±0.002	0.129	0.196	0.015	0.125	GH1D-2625-AD1
	+0.002	2.327	±0.001	0.128	0.149	0.015	0.125	GH1A-2625-AD1
2.75	+0.002	2.326	±0.002	0.168	0.212	0.015	0.14	GH2A-2750-AD1
	+0.002	2.358	±0.002	0.129	0.196	0.015	0.125	GH1D-2750-AD1
	+0.002	2.452	±0.001	0.128	0.149	0.015	0.125	GH1A-2750-AD1
2.875	+0.002	2.451	±0.002	0.168	0.212	0.015	0.14	GH2A-2875-AD1
	+0.002	2.483	±0.002	0.129	0.196	0.015	0.125	GH1D-2875-AD1
	+0.002	2.577	±0.001	0.128	0.149	0.015	0.125	GH1A-2875-AD1
3	+0.002	2.576	±0.002	0.168	0.212	0.015	0.14	GH2A-3000-AD1
	+0.002	2.608	±0.002	0.129	0.196	0.015	0.125	GH1D-3000-AD1
	+0.002	2.702	±0.001	0.128	0.149	0.015	0.125	GH1A-3000-AD1
3.125	+0.002	2.509	±0.003	0.249	0.308	0.025	0.2	GH3A-3125-AD1
	+0.002	2.701	±0.002	0.168	0.212	0.015	0.14	GH2A-3125-AD1
	+0.003	2.733	±0.002	0.129	0.196	0.015	0.125	GH1D-3125-AD1
3.25	+0.002	2.634	±0.003	0.249	0.308	0.025	0.2	GH3A-3250-AD1
	+0.002	2.826	±0.002	0.168	0.212	0.015	0.14	GH2A-3250-AD1
	+0.003	2.858	±0.002	0.129	0.196	0.015	0.125	GH1D-3250-AD1
3.375	+0.002	2.759	±0.003	0.249	0.308	0.025	0.2	GH3A-3375-AD1
	+0.002	2.951	±0.002	0.168	0.212	0.015	0.14	GH2A-3375-AD1
	+0.003	2.983	±0.002	0.129	0.196	0.015	0.125	GH1D-3375-AD1
3.5	+0.002	2.884	±0.003	0.249	0.308	0.025	0.2	GH3A-3500-AD1
	+0.002	3.076	±0.002	0.168	0.212	0.015	0.14	GH2A-3500-AD1
	+0.003	3.108	±0.002	0.129	0.196	0.015	0.125	GH1D-3500-AD1
3.625	+0.002	3.009	±0.003	0.249	0.308	0.025	0.2	GH3A-3625-AD1
	+0.002	3.201	±0.002	0.168	0.212	0.015	0.14	GH2A-3625-AD1
	+0.003	3.233	±0.002	0.129	0.196	0.015	0.125	GH1D-3625-AD1

Dimensions								Designation
D	Tolerance	d	Tolerance	L ±0.002	S	R max.	C min.	
in.								-
3.75	+0.002	3.134	±0.003	0.249	0.308	0.025	0.2	GH3A-3750-AD1
	+0.002	3.326	±0.002	0.168	0.212	0.015	0.14	GH2A-3750-AD1
	+0.003	3.358	±0.002	0.129	0.196	0.015	0.125	GH1D-3750-AD1
3.875	+0.002	3.259	±0.003	0.249	0.308	0.025	0.2	GH3A-3875-AD1
	+0.002	3.451	±0.002	0.168	0.212	0.015	0.14	GH2A-3875-AD1
	+0.003	3.483	±0.002	0.129	0.196	0.015	0.125	GH1D-3875-AD1
4	+0.002	3.384	±0.003	0.249	0.308	0.025	0.2	GH3A-4000-AD1
	+0.002	3.576	±0.002	0.168	0.212	0.015	0.14	GH2A-4000-AD1
	+0.003	3.608	±0.002	0.129	0.196	0.015	0.125	GH1D-4000-AD1
4.125	+0.002	3.509	±0.003	0.249	0.308	0.025	0.2	GH3A-4125-AD1
	+0.002	3.701	±0.002	0.168	0.212	0.015	0.14	GH2A-4125-AD1
	+0.003	3.733	±0.002	0.129	0.196	0.015	0.125	GH1D-4125-AD1
4.25	+0.002	3.634	±0.003	0.249	0.308	0.025	0.2	GH3A-4250-AD1
	+0.002	3.826	±0.002	0.168	0.212	0.015	0.14	GH2A-4250-AD1
	+0.003	3.858	±0.002	0.129	0.196	0.015	0.125	GH1D-4250-AD1
4.375	+0.002	3.759	±0.003	0.249	0.308	0.025	0.2	GH3A-4375-AD1
	+0.002	3.951	±0.002	0.168	0.212	0.015	0.14	GH2A-4375-AD1
	+0.003	3.983	±0.002	0.129	0.196	0.015	0.125	GH1D-4375-AD1
4.5	+0.002	3.884	±0.003	0.249	0.308	0.025	0.2	GH3A-4500-AD1
	+0.002	4.076	±0.002	0.168	0.212	0.015	0.14	GH2A-4500-AD1
	+0.003	4.108	±0.002	0.129	0.196	0.015	0.125	GH1D-4500-AD1
4.625	+0.002	4.009	±0.003	0.249	0.308	0.025	0.2	GH3A-4625-AD1
	+0.002	4.201	±0.002	0.168	0.212	0.015	0.14	GH2A-4625-AD1
	+0.003	4.233	±0.002	0.129	0.196	0.015	0.125	GH1D-4625-AD1
4.75	+0.002	4.134	±0.003	0.249	0.308	0.025	0.2	GH3A-4750-AD1
	+0.002	4.326	±0.002	0.168	0.212	0.015	0.14	GH2A-4750-AD1
	+0.003	4.358	±0.002	0.129	0.196	0.015	0.125	GH1D-4750-AD1
4.875	+0.002	4.259	±0.003	0.249	0.308	0.025	0.2	GH3A-4875-AD1
	+0.002	4.451	±0.002	0.168	0.212	0.015	0.14	GH2A-4875-AD1
	+0.003	4.483	±0.002	0.129	0.196	0.015	0.125	GH1D-4875-AD1
5	+0.002	4.384	±0.003	0.249	0.308	0.025	0.2	GH3A-5000-AD1
	+0.002	4.576	±0.002	0.168	0.212	0.015	0.14	GH2A-5000-AD1
	+0.003	4.608	±0.002	0.129	0.196	0.015	0.125	GH1D-5000-AD1
5.125	+0.002	4.509	±0.003	0.249	0.308	0.025	0.2	GH3A-5125-AD1
	+0.002	4.701	±0.002	0.168	0.212	0.015	0.14	GH2A-5125-AD1
	+0.003	4.733	±0.002	0.129	0.196	0.015	0.125	GH1D-5125-AD1
5.25	+0.002	4.42	±0.004	0.322	0.415	0.035	0.25	GH4A-5250-AD1
	+0.002	4.634	±0.003	0.249	0.308	0.025	0.2	GH3A-5250-AD1
	+0.003	4.826	±0.002	0.168	0.212	0.015	0.14	GH2A-5250-AD1
	+0.003	4.858	±0.002	0.129	0.196	0.015	0.125	GH1D-5250-AD1
5.375	+0.002	4.545	±0.004	0.322	0.415	0.035	0.25	GH4A-5375-AD1
	+0.002	4.759	±0.003	0.249	0.308	0.025	0.2	GH3A-5375-AD1
	+0.003	4.951	±0.002	0.168	0.212	0.015	0.14	GH2A-5375-AD1
	+0.004	4.983	±0.002	0.129	0.196	0.015	0.125	GH1D-5375-AD1
5.5	+0.002	4.67	±0.004	0.322	0.415	0.035	0.25	GH4A-5500-AD1
	+0.002	4.884	±0.003	0.249	0.308	0.025	0.2	GH3A-5500-AD1
	+0.003	5.076	±0.002	0.168	0.212	0.015	0.14	GH2A-5500-AD1
	+0.004	5.108	±0.002	0.129	0.196	0.015	0.125	GH1D-5500-AD1
5.625	+0.003	4.795	±0.004	0.322	0.415	0.035	0.25	GH4A-5625-AD1
	+0.003	5.009	±0.003	0.249	0.308	0.025	0.2	GH3A-5625-AD1
	+0.004	5.107	±0.004	0.159	0.259	0.015	0.14	GH2D-5625-AD1

GH profile piston seals, inch sizes

D 5.75 – 16 in.



Maximum extrusion gap e

Radial depth S	Series	e _{max} at 80 °C (175 °F) for pressures		
		2 300 psi	3 600 psi	5 800 psi
in.	-	in.		
0.087	0A	0.014	0.01	0.006
0.13	0D	0.014	0.01	0.006
0.149	1A	0.014	0.01	0.006
0.196	1D	0.015	0.011	0.007
0.212	2A	0.016	0.012	0.008
0.259	2D	0.018	0.013	0.009
0.308	3A	0.02	0.014	0.01
0.415	4A	0.024	0.018	0.014

For additional information → page 34

Dimensions

Designation

D	Tolerance	d	Tolerance	L ±0.002	S	R max.	C min.	Designation
in.								-
5.75	+0.003	4.92	±0.004	0.322	0.415	0.035	0.25	GH4A-5750-AD1
	+0.003	5.134	±0.003	0.249	0.308	0.025	0.2	GH3A-5750-AD1
	+0.004	5.232	±0.004	0.159	0.259	0.015	0.14	GH2D-5750-AD1
5.875	+0.003	5.045	±0.004	0.322	0.415	0.035	0.25	GH4A-5875-AD1
	+0.003	5.259	±0.003	0.249	0.308	0.025	0.2	GH3A-5875-AD1
	+0.004	5.357	±0.004	0.159	0.259	0.015	0.14	GH2D-5875-AD1
6	+0.003	5.17	±0.004	0.322	0.415	0.035	0.25	GH4A-6000-AD1
	+0.003	5.384	±0.003	0.249	0.308	0.025	0.2	GH3A-6000-AD1
	+0.004	5.482	±0.004	0.159	0.259	0.015	0.14	GH2D-6000-AD1
6.125	+0.003	5.295	±0.004	0.322	0.415	0.035	0.25	GH4A-6125-AD1
	+0.003	5.509	±0.003	0.249	0.308	0.025	0.2	GH3A-6125-AD1
	+0.004	5.607	±0.004	0.159	0.259	0.015	0.14	GH2D-6125-AD1
6.25	+0.003	5.42	±0.004	0.322	0.415	0.035	0.25	GH4A-6250-AD1
	+0.003	5.634	±0.003	0.249	0.308	0.025	0.2	GH3A-6250-AD1
	+0.004	5.732	±0.004	0.159	0.259	0.015	0.14	GH2D-6250-AD1
6.375	+0.003	5.545	±0.004	0.322	0.415	0.035	0.25	GH4A-6375-AD1
	+0.003	5.759	±0.003	0.249	0.308	0.025	0.2	GH3A-6375-AD1
	+0.004	5.857	±0.004	0.159	0.259	0.015	0.14	GH2D-6375-AD1
6.5	+0.003	5.67	±0.004	0.322	0.415	0.035	0.25	GH4A-6500-AD1
	+0.003	5.884	±0.003	0.249	0.308	0.025	0.2	GH3A-6500-AD1
	+0.004	5.982	±0.004	0.159	0.259	0.015	0.14	GH2D-6500-AD1
6.75	+0.003	5.92	±0.004	0.322	0.415	0.035	0.25	GH4A-6750-AD1
	+0.003	6.134	±0.003	0.249	0.308	0.025	0.2	GH3A-6750-AD1
	+0.004	6.232	±0.004	0.159	0.259	0.015	0.14	GH2D-6750-AD1
7	+0.003	6.17	±0.004	0.322	0.415	0.035	0.25	GH4A-7000-AD1
	+0.003	6.384	±0.003	0.249	0.308	0.025	0.2	GH3A-7000-AD1
	+0.004	6.482	±0.004	0.159	0.259	0.015	0.14	GH2D-7000-AD1
7.25	+0.003	6.42	±0.004	0.322	0.415	0.035	0.25	GH4A-7250-AD1
	+0.003	6.634	±0.003	0.249	0.308	0.025	0.2	GH3A-7250-AD1
	+0.004	6.732	±0.004	0.159	0.259	0.015	0.14	GH2D-7250-AD1

Dimensions								Designation
D	Tolerance	d	Tolerance	L ±0.002	S	R max.	C min.	
in.								-
7.5	+0.003	6.67	±0.004	0.322	0.415	0.035	0.25	GH4A-7500-AD1
	+0.003	6.884	±0.003	0.249	0.308	0.025	0.2	GH3A-7500-AD1
	+0.004	6.982	±0.004	0.159	0.259	0.015	0.14	GH2D-7500-AD1
7.75	+0.003	6.92	±0.004	0.322	0.415	0.035	0.25	GH4A-7750-AD1
	+0.003	7.134	±0.003	0.249	0.308	0.025	0.2	GH3A-7750-AD1
	+0.004	7.232	±0.004	0.159	0.259	0.015	0.14	GH2D-7750-AD1
8	+0.003	7.17	±0.004	0.322	0.415	0.035	0.25	GH4A-8000-AD1
	+0.003	7.384	±0.003	0.249	0.308	0.025	0.2	GH3A-8000-AD1
	+0.004	7.482	±0.004	0.159	0.259	0.015	0.14	GH2D-8000-AD1
8.25	+0.003	7.42	±0.004	0.322	0.415	0.035	0.25	GH4A-8250-AD1
	+0.003	7.634	±0.003	0.249	0.308	0.025	0.2	GH3A-8250-AD1
	+0.004	7.732	±0.004	0.159	0.259	0.015	0.14	GH2D-8250-AD1
8.5	+0.003	7.67	±0.004	0.322	0.415	0.035	0.25	GH4A-8500-AD1
	+0.003	7.884	±0.003	0.249	0.308	0.025	0.2	GH3A-8500-AD1
	+0.004	7.982	±0.004	0.159	0.259	0.015	0.14	GH2D-8500-AD1
8.75	+0.004	7.92	±0.004	0.322	0.415	0.035	0.25	GH4A-8750-AD1
9	+0.003	8.17	±0.004	0.322	0.415	0.035	0.25	GH4A-9000-AD1
	+0.003	8.384	±0.003	0.249	0.308	0.025	0.2	GH3A-9000-AD1
	+0.004	8.482	±0.004	0.159	0.259	0.015	0.14	GH2D-9000-AD1
9.5	+0.003	8.67	±0.004	0.322	0.415	0.035	0.25	GH4A-9500-AD1
	+0.003	8.884	±0.003	0.249	0.308	0.025	0.2	GH3A-9500-AD1
	+0.004	8.982	±0.004	0.159	0.259	0.015	0.14	GH2D-9500-AD1
9.75	+0.004	8.92	±0.004	0.322	0.415	0.035	0.25	GH4A-9750-AD1
10	+0.003	9.17	±0.004	0.322	0.415	0.035	0.25	GH4A-10000-AD1
	+0.003	9.384	±0.003	0.249	0.308	0.025	0.2	GH3A-10000-AD1
	+0.004	9.482	±0.004	0.159	0.259	0.015	0.14	GH2D-10000-AD1
10.5	+0.003	9.67	±0.004	0.322	0.415	0.035	0.25	GH4A-10500-AD1
	+0.003	9.884	±0.003	0.249	0.308	0.025	0.2	GH3A-10500-AD1
	+0.004	9.982	±0.004	0.159	0.259	0.015	0.14	GH2D-10500-AD1
11	+0.003	10.17	±0.004	0.322	0.415	0.035	0.25	GH4A-11000-AD1
	+0.003	10.384	±0.003	0.249	0.308	0.025	0.2	GH3A-11000-AD1
	+0.004	10.482	±0.004	0.159	0.259	0.015	0.14	GH2D-11000-AD1
11.5	+0.003	10.67	±0.004	0.322	0.415	0.035	0.25	GH4A-11500-AD1
	+0.003	10.884	±0.003	0.249	0.308	0.025	0.2	GH3A-11500-AD1
	+0.004	10.982	±0.004	0.159	0.259	0.015	0.14	GH2D-11500-AD1
12	+0.003	11.17	±0.004	0.322	0.415	0.035	0.25	GH4A-12000-AD1
	+0.003	11.384	±0.003	0.249	0.308	0.025	0.2	GH3A-12000-AD1
	+0.004	11.482	±0.004	0.159	0.259	0.015	0.14	GH2D-12000-AD1
12.5	+0.004	11.67	±0.004	0.322	0.415	0.035	0.25	GH4A-12500-AD1
13	+0.004	12.17	±0.004	0.322	0.415	0.035	0.25	GH4A-13000-AD1
13.5	+0.004	12.67	±0.004	0.322	0.415	0.035	0.25	GH4A-13500-AD1
14	+0.004	13.17	±0.004	0.322	0.415	0.035	0.25	GH4A-14000-AD1
14.5	+0.004	13.67	±0.004	0.322	0.415	0.035	0.25	GH4A-14500-AD1
15	+0.004	14.17	±0.004	0.322	0.415	0.035	0.25	GH4A-15000-AD1
15.5	+0.004	14.67	±0.004	0.322	0.415	0.035	0.25	GH4A-15500-AD1
16	+0.003	15.17	±0.004	0.322	0.415	0.035	0.25	GH4A-16000-AD1

Other sizes are available on request

**Seal & Design
Able Division**
5533 Steeles Avenue West Unit 11
Toronto, Ontario M9L 1S7
Ph: (416) 741-0750
Gasket@AbleSealAndDesign.com

**Seal & Design
Corporate Headquarters**
4015 Casilio Parkway
Clarence, NY 14031
Ph: (716) 759-2222
Info@SealAndDesign.com
www.SealAndDesign.com

**Seal & Design
Higbee Division**
6741 Thompson Rd N
Syracuse, NY 13221
Ph: (315) 432-8021
Sales@Higbee-Inc.com