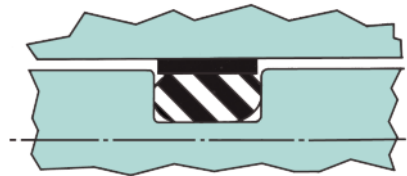
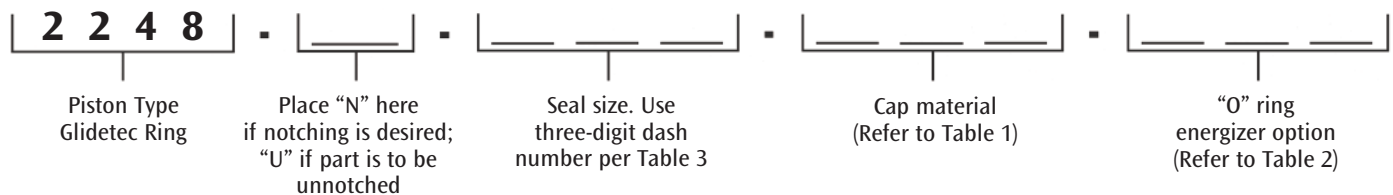


**GLIDETEC™  
2248 PISTON SEALS**  
*For Industrial Bore Diameters*

- Operate with low friction
- Install easily in compact single-piece glands
- Operate in lubricated or non-lubricated systems
- Provide long service life



**HOW TO SPECIFY**



**TABLE 1 CAP MATERIAL SELECTION**

MATERIAL CODE	DESCRIPTION	USE
019	(P4) Graphite Filled PTFE	Low friction material with good wear properties. Recommended for static and dynamic applications at low & high pressure.
022	(P5) Glass & MoS <sub>2</sub> Filled PTFE	Good extrusion resistance & wear properties. Recommended for high pressure and load. (Not recommended with soft metals i.e. aluminum)
041	(P1) ENERLON™ Pigmented PTFE	Similar to virgin PTFE, but with improved wear properties.
069	AVALON® 50	High-temperature, wear resistant. For high-temperature, high-surface speed applications. (May abrade soft metal)
096	ROTOLON™ 100 Glass, MoS <sub>2</sub> , PTFE	High-pressure, wear extrusion resistant. For high-pressure, high-temperature, high load, high surface speed applications. (Not recommended for sealing against soft metals)

**TABLE 2 OPTIONAL O-RING ENERGIZER SELECTION**

DESIGNATOR	ELASTOMER MATERIAL	ELASTOMER SPECIFICATION	TEMPERATURE RANGE	SERVICE
173	Nitrile	SAE J 120 Class 1	-40 to 250°F	General purpose – oil, water, fuels, hydraulic fluids
165	Nitrile	MIL-P-25732	-65 to 275°F	MIL-H-5606 Fluid
963	Ethylene Propylene	NAS 1613	-65 to 300°F	Skydrol, Aerosafe & similar phosphate based fluids
735	Fluorocarbons	AMS 7276	-20 to 450°F	High temperature hydrocarbon and synthetic fluids. Diester lubricant, MIL-L-7808, Oronite 8515, MIL-L- 6085 and silicone fluids and greases.
000	If "O" ring is to be ordered as separate component.			

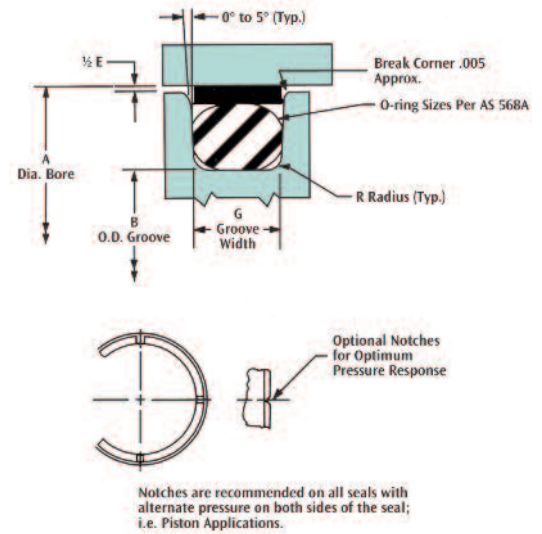
NOTE: For pressures above 3000 psi, clearances above standard and alternative cap and energizer materials contact Greene, Tweed & Co. (215) 256-9521.

# GLIDETEC™ 2248 PISTON SEALS

**TABLE 3 DIMENSIONAL INFORMATION**

Dash No.	A Dia.	B Dia.	"O" Ring Dash No. See Note	Dash No.	A Dia.	B Dia.	"O" Ring Dash No. See Note	Dash No.	A Dia.	B Dia.	"O" Ring Dash No. See Note	
007	+0.001	+0.000	006	140	2.437	2.201	139	330	2.500	2.009	329	
008	-.000	-.001		141	2.500	2.263	140	331	2.625	2.134	330	
009	.281	.139		142	2.562	2.326	141	332	2.750	2.259	331	
010	.312	.169		007	143	2.625	2.388	142	333	2.875	2.384	332
011	.344	.200		008	144	2.687	2.451	143	334	3.000	2.509	333
012	.375	.231		009	145	2.750	2.513	144	335	3.125	2.634	334
	.437	.263		010	146	2.812	2.576	145	336	3.250	2.759	335
	.500	.325		011	147	2.875	2.638	146	337	3.375	2.884	336
					148	2.937	2.701	147	338	3.500	3.009	337
					149	3.000	2.763	148	339	3.625	3.134	338
									340	3.750	3.259	339
									341	3.875	3.384	340
013	+0.002	+0.000	012		+0.004	+0.000		342	4.000	3.509	341	
014	-.000	-.002	013		-.000	-.004		343	4.125	3.634	342	
015	.562	.388	014	211	1.062	.762	210	344	4.250	3.759	343	
016	.625	.452	015	212	1.125	.824	211	345	4.375	3.884	344	
017	.687	.515	016	213	1.188	.887	212	346	4.500	4.009	345	
018	.750	.577	017	214	1.250	.950	213	347	4.625	4.134	346	
019	.812	.640	018	215	1.312	1.012	214	348	4.750	4.259	347	
020	.875	.702	019	216	1.375	1.074	215	349	4.875	4.384	348	
021	.937	.765	020	217	1.437	1.137	216	350	5.000	4.509	349	
022	1.000	.827	021	218	1.500	1.199	217					
023	1.062	.890	022	219	1.562	1.262	218					
024	1.125	.952	023	220	1.625	1.324	219		+0.006	+0.000		
025	1.188	1.015	024	221	1.688	1.387	220		-.000	-.006		
026	1.250	1.078	025	222	1.750	1.450	221	426	5.125	4.532	425	
027	1.312	1.140	026	223	1.812	1.512	222	427	5.250	4.657	426	
028	1.375	1.202	027	224	1.875	1.574	223	428	5.375	4.782	427	
	1.437	1.265		225	2.000	1.637	224	429	5.500	4.907	428	
	1.500	1.327		226	2.125	1.700	225	430	5.625	5.032	429	
				227	2.250	1.762	226	431	5.750	5.157	430	
				228	2.375	1.824	227	432	5.875	5.282	431	
				229	2.500	1.887	228	433	6.000	5.407	432	
111	+0.003	+0.000	110	230	2.625	1.950	229	434	6.125	5.532	433	
112	-.000	-.003	111	231	2.750	2.012	230	435	6.250	5.657	434	
113	.625	.388	112	232	2.875	2.074	231	436	6.375	5.782	435	
114	.687	.451	113	233	3.000	2.137	232	437	6.500	5.907	436	
115	.750	.513	114	234	3.125	2.200	233	438	6.625	6.032	437	
116	.812	.576	115	235	3.250	2.262	234	439	6.750	6.157	438	
117	.875	.638	116	236	3.375	2.324	235	440	6.875	6.282	439	
118	.937	.701	117	237	3.500	2.387	236	441	7.000	6.407	440	
119	1.000	.763	118	238	3.625	2.450	237	442	7.125	6.532	441	
120	1.062	.826	119	239	3.750	2.512	238	443	7.250	6.657	442	
121	1.125	.888	120	240	3.875	2.574	239	444	7.375	6.782	443	
122	1.188	.951	121	241	4.000	2.637	240	445	7.500	6.907	444	
123	1.250	1.013	122	242	4.125	2.700	241	446	7.625	7.032	445	
124	1.312	1.076	123	243	4.250	2.762	242	447	7.750	7.157	446	
125	1.375	1.138	124	244	4.375	2.824	243	448	7.875	7.282	447	
126	1.437	1.201	125	245	4.500	2.887	244	449	8.000	7.407	448	
127	1.500	1.263	126	246	4.625	2.950	245	450	8.125	7.532	449	
128	1.563	1.326	127	247	4.750	3.012	246	451	8.250	7.657	450	
129	1.625	1.388	128	248	4.875	3.074	247	452	8.375	7.782	451	
130	1.687	1.451	129		5.000	3.137	248	453	8.500	7.907	452	
131	1.750	1.513	130					454	8.625	8.032	453	
132	1.812	1.576	131					455	8.750	8.157	454	
133	1.875	1.638	132					456	8.875	8.282	455	
134	1.937	1.701	133					457	9.000	8.407	456	
135	2.000	1.763	134					458	9.125	8.532	457	
136	2.062	1.826	135					459	9.250	8.657	458	
137	2.125	1.888	136	326	2.000	1.509	325	460	9.375	8.782	459	
138	2.187	1.951	137	327	2.125	1.634	326					
139	2.250	2.013	138	328	2.250	1.759	327					
	2.312	2.076	139	329	2.375	1.884	328					
	2.375	2.138	139									

**PISTON SEAL INSTALLATION**



**TABLE 4 GLAND DIMENSIONAL TABLES**

Dash No.	E Diam. Clearance Max.
007 to 012	.004
013 to 028	.005
111 to 149	
211 to 248	
326 to 350	.007
426 to 460	.008

Dash No.	G <sup>+0.005</sup> -0.000	Groove Width
007 to 028		.075
111 to 149		.112
211 to 248		.149
326 to 350		.221
426 to 460		.297

Dash No.	R Radius
007 to 149	.020
211 to 248	.030
326 to 350	.050
426 to 460	.060

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