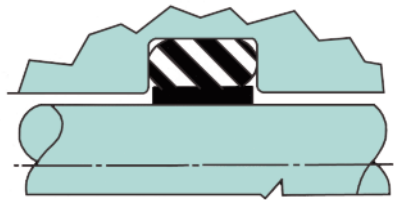


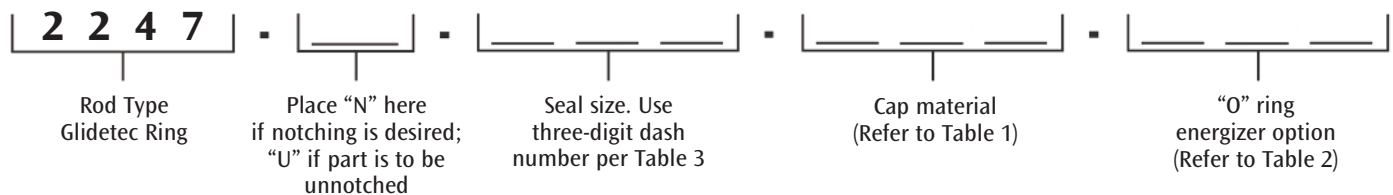
**GLIDETEC™  
2247 ROD SEALS**

*For Industrial Rod 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	ROTOLOX™ 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)

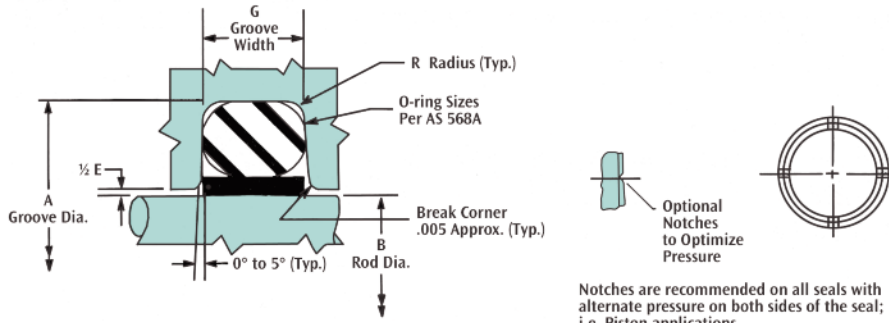
**TABLE 2 OPTIONAL O-RING ENERGIZER SELECTION**

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™ 2247 ROD SEALS

## ROD SEAL INSTALLATION



Dash No.	E Diam. Clearance Max.
006 to 012	.004
013 to 027	.005
110 to 148	.006
210 to 247	.007
325 to 348	.007
425 to 459	.008

TABLE 3 DIMENSIONAL INFORMATION

Dash No.	G	B Dia.	A Dia.	R Radius Max.	"O" Ring Dash No. O-Ring Size	Dash No.	G	B Dia.	A Dia.	R Radius Max.	"O" Ring Dash No. O-Ring Size	Dash No.	G	B Dia.	A Dia.	R Radius Max.	"O" Ring Dash No. O-Ring Size	Dash No.	G	B Dia.	A Dia.	R Radius Max.	"O" Ring Dash No. O-Ring Size	
	+.005 -.000	+.000 -.001	+.001 -.000				+.005 -.000	+.000 -.003	+.003 -.000				+.005 -.000	+.000 -.004	+.004 -.000				+.005 -.000	+.000 -.005	+.005 -.000			
006	.079	.125	.268	.020	007	124	.112	1.250	1.486	.020	125	226	.149	2.000	2.363	.030	227	344	.221	3.875	4.366	.050	345	
007		.156	.299		008	125		1.312	1.549		126	227		2.125	2.488		228	345		4.000	4.491		346	
008		.187	.331		009	126		1.375	1.611		127	228		2.250	2.613		229	346		4.125	4.616		347	
009		.219	.362		010	127		1.437	1.674		128	229		2.375	2.738		230	347		4.250	4.741		348	
010		.250	.422		011	128		1.500	1.736		129	230		2.500	2.863		231	348	.221	4.375	4.866	.050	349	
011		.312	.485		012	129		1.562	1.799		130	231		2.625	2.988		232							
012		.375	.547		013	130		1.625	1.862		131	232		2.750	3.113		233			+.000	+.006			
						131		1.687	1.924		132	233		2.875	3.238		234			-.006	-.000			
						132		1.750	1.986		133	234		3.000	3.363		235	425	.297	4.500	5.093	.060	426	
						133		1.812	2.049		134	235		3.125	3.488		236	426		4.625	5.218		427	
						134		1.875	2.111		135	236		3.250	3.613		237	427		4.750	5.343		428	
013		.437	.610		014	135		1.937	2.174		136	237		3.375	3.738		238	428		4.875	5.468		429	
014		.500	.672		015	136		2.000	2.236		137	238		3.500	3.863		239	429		5.000	5.593		430	
015		.552	.735		016	137		2.062	2.299		138	239		3.625	3.988		240	430		5.125	5.718		431	
016		.625	.797		017	138		2.125	2.362		139	240		3.750	4.113		241	431		5.250	5.843		432	
017		.687	.860		018	139		2.187	2.424		140	241		3.875	4.238		242	432		5.375	5.968		433	
018		.750	.922		019	140		2.250	2.486		141	242		4.000	4.363		243	433		5.500	6.093		434	
019		.812	.985		020	141		2.312	2.549		142	243		4.125	4.488		244	434		5.625	6.218		435	
020		.875	1.047		021	142		2.375	2.611		143	244		4.250	4.613		245	435		5.750	6.343		436	
021		.937	1.110		022	143		2.437	2.674		144	245		4.375	4.738		246	436		5.875	6.468		437	
022		1.000	1.172		023	144		2.500	2.736		145	246		4.500	4.863	.030	247	437		6.000	6.718		438	
023		1.062	1.235		024	145		2.562	2.799		146	247	.149	4.625	4.988		248	438		6.250	6.968		439	
024		1.125	1.298		025	146		2.625	2.862		147							439		6.500	7.218		440	
025		1.188	1.360		026	147		2.687	2.924		148			+.000	+.005			440		6.750	7.468		441	
026		1.250	1.422		027	148	.112	2.750	2.986	.020	149			-.005	-.000			441		7.000	7.718		442	
027	.079	1.312	1.485		028													442		7.250	7.968		443	
																		443		7.500	8.218		444	
																		444		7.750	8.468		445	
																		445		8.000	8.968		446	
																		446		8.500	9.468		447	
110	.112	.375	.611		111	211		.812	1.113		212	329		2.000	2.491		330	447		9.000	9.968		448	
111		.437	.674		112	212		.875	1.175		213	330		2.125	2.616		331	448		9.500	10.468		449	
112		.500	.736		113	213		.937	1.238		214	331		2.250	2.741		332	449		10.000	10.968		450	
113		.562	.799		114	214		1.000	1.300		215	332		2.375	2.866		333	450		10.500	11.468		451	
114		.625	.862		115	215		1.062	1.363		216	333		2.500	2.991		334	451		11.000	11.968		452	
115		.687	.924		116	216		1.125	1.426		217	334		2.625	3.116		335	452		11.500	12.468		453	
116		.750	.986		117	217		1.187	1.488		218	335		2.750	3.241		336	453		12.000	12.968		454	
117		.812	1.049		118	218		1.250	1.550		219	336		2.875	3.366		337	454		12.500	13.468		455	
118		.875	1.111		119	219		1.312	1.613		220	337		3.000	3.491		338	455		13.000	13.968		456	
119		.937	1.174		120	220		1.375	1.675		221	338		3.125	3.616		339	456		13.500	14.468		457	
120		1.000	1.236		121	221		1.437	1.738		222	339		3.250	3.741		340	457		14.000	14.968		458	
121		1.062	1.299		122	222		1.500	1.863		223	340		3.375	3.866		341	458		14.500	15.468		459	
122		1.125	1.362		123	223		1.625	1.988		224	341		3.500	3.991		342	459		15.000	15.968	.060	460	
123	.112	1.187	1.424	.020	124	224		1.750	2.113		225	342		3.625	4.116		343							
						225	.149	1.875	2.238	.030	226	343	.221	3.750	4.241	.050	344							

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