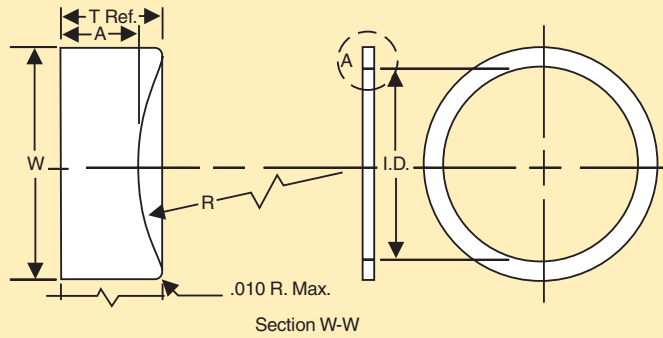


Parker Parbak 8-Series Dimensions



Parker Parbaks were developed primarily for service in petroleum based hydraulic fluids, at -4°C to 121°C (-40°F to 250°F). Parker's standard Parbak compound N1444-90, provides the maximum benefits in back-up ring service. Compounds for use in other fluids and for temperatures up to 204°C (400°F) are available upon request.

Parbaks will stretch up to 50%, and are quickly and easily installed. Advantages of the contour design are obtained regardless of how Parbaks are installed — they may be installed with the concave face in either direction, toward or away from the O-ring.

Parker Parbak 8-Series Dimensions

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±	Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
004	.096	.005	.087	.049	.045	.003	.053	.003	041	3.018	.024	.087	.049	.045	.003	.053	.003
005	.127	↑	↑	↑	↑	↑	↑	↑	042	3.268	.024	↑	↑	↑	↑	↑	↑
006	.140	↑	↑	↑	↑	↑	↑	↑	043	3.518	.024	↑	↑	↑	↑	↑	↑
007	.171	↑	↑	↑	↑	↑	↑	↑	044	3.768	.027	↑	↑	↑	↑	↑	↑
008	.202	↑	↑	↑	↑	↑	↑	↑	045	4.018	.027	↑	↑	↑	↑	↑	↑
009	.234	↓	↓	↓	↓	↓	↓	↓	046	4.268	.030	↓	↓	↓	↓	↓	↓
010	.265	↓	↓	↓	↓	↓	↓	↓	047	4.518	.030	↓	↓	↓	↓	↓	↓
011	.327	↓	↓	↓	↓	↓	↓	↓	048	4.768	.030	↓	↓	↓	↓	↓	↓
012	.390	↓	↓	↓	↓	↓	↓	↓	049	5.018	.037	↓	↓	↓	↓	↓	↓
013	.455	.005	↓	↓	↓	↓	↓	↓	050	5.268	.037	.087	.049	↓	↓	.053	↓
014	.518	.005	↓	↓	↓	↓	↓	↓	102	.077	.005	.129	.053	↓	↓	.086	↓
015	.580	.007	↓	↓	↓	↓	↓	↓	103	.109	↑	↑	↑	↑	↑	↑	↑
016	.643	.009	↓	↓	↓	↓	↓	↓	104	.140	↑	↑	↑	↑	↑	↑	↑
017	.705	↑	↓	↓	↓	↓	↓	↓	105	.171	↑	↑	↑	↑	↑	↑	↑
018	.768	↑	↓	↓	↓	↓	↓	↓	106	.202	↑	↑	↑	↑	↑	↑	↑
019	.830	↓	↓	↓	↓	↓	↓	↓	107	.234	↓	↓	↓	↓	↓	↓	↓
020	.893	.009	↓	↓	↓	↓	↓	↓	108	.265	↓	↓	↓	↓	↓	↓	↓
021	.955	.010	↓	↓	↓	↓	↓	↓	109	.327	↓	↓	↓	↓	↓	↓	↓
022	1.018	.010	↓	↓	↓	↓	↓	↓	110	.390	↓	↓	↓	↓	↓	↓	↓
023	1.080	.010	↓	↓	↓	↓	↓	↓	111	.452	↓	↓	↓	↓	↓	↓	↓
024	1.143	.010	↓	↓	↓	↓	↓	↓	112	.515	.005	↓	↓	↓	↓	↓	↓
025	1.205	.011	↓	↓	↓	↓	↓	↓	113	.577	.007	↓	↓	↓	↓	↓	↓
026	1.268	.011	↓	↓	↓	↓	↓	↓	114	.640	.009	↓	↓	↓	↓	↓	↓
027	1.330	.011	↓	↓	↓	↓	↓	↓	115	.702	.009	↓	↓	↓	↓	↓	↓
028	1.393	.013	↓	↓	↓	↓	↓	↓	116	.765	.009	↓	↓	↓	↓	↓	↓
029	1.518	.013	↓	↓	↓	↓	↓	↓	117	.831	.010	↓	↓	↓	↓	↓	↓
030	1.643	.013	↓	↓	↓	↓	↓	↓	118	.893	↑	↑	↑	↑	↑	↑	↑
031	1.768	.015	↓	↓	↓	↓	↓	↓	119	.956	↑	↑	↑	↑	↑	↑	↑
032	1.893	.015	↓	↓	↓	↓	↓	↓	120	1.018	↑	↑	↑	↑	↑	↑	↑
033	2.018	.018	↓	↓	↓	↓	↓	↓	121	1.081	↓	↓	↓	↓	↓	↓	↓
034	2.143	↑	↓	↓	↓	↓	↓	↓	122	1.143	.010	↓	↓	↓	↓	↓	↓
035	2.268	↑	↓	↓	↓	↓	↓	↓	123	1.206	.012	↓	↓	↓	↓	↓	↓
036	2.393	↓	↓	↓	↓	↓	↓	↓	124	1.268	↑	↑	↑	↑	↑	↑	↑
037	2.518	.018	↓	↓	↓	↓	↓	↓	125	1.331	↑	↑	↑	↑	↑	↑	↑
038	2.643	.020	↓	↓	↓	↓	↓	↓	126	1.393	↑	↑	↑	↑	↑	↑	↑
039	2.768	.020	↓	↓	↓	↓	↓	↓	127	1.456	↓	↓	↓	↓	↓	↓	↓
040	2.893	.020	.087	.049	.045	.003	.053	.003	128	1.518	.012	.129	.053	.045	.003	.086	.003

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
 2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material. **Example:** N1444-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

Parker Parbak 8-Series Dimensions (Continued)

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±	Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
129	1.581	.015	.129	.053	.045	.003	.086	.003	206	.518	.005	.174	.050	.040	.003	.118	.004
130	1.643	↑	↑	↑	↑	↑	↑	↑	207	.580	.007	↑	↑	↑	↑	↑	↑
131	1.706	↑	↑	↑	↑	↑	↑	↑	208	.643	.009	↑	↑	↑	↑	↑	↑
132	1.768	↓	↓	↓	↓	↓	↓	↓	209	.705	.009	↑	↑	↑	↑	↑	↑
133	1.831	↓	↓	↓	↓	↓	↓	↓	210	.766	.010	↑	↑	↑	↑	↑	↑
134	1.893	.015	↓	↓	↓	↓	↓	↓	211	.828	↑	↑	↑	↑	↑	↑	↑
135	1.956	.017	↓	↓	↓	↓	↓	↓	212	.891	↑	↑	↑	↑	↑	↑	↑
136	2.018	↑	↓	↓	↓	↓	↓	↓	213	.953	↓	↑	↑	↑	↑	↑	↑
137	2.081	↓	↓	↓	↓	↓	↓	↓	214	1.016	.010	↑	↑	↑	↑	↑	↑
138	2.143	.017	↓	↓	↓	↓	↓	↓	215	1.078	.010	↑	↑	↑	↑	↑	↑
139	2.206	.017	↓	↓	↓	↓	↓	↓	216	1.141	.012	↑	↑	↑	↑	↑	↑
140	2.268	.017	↓	↓	↓	↓	↓	↓	217	1.203	↑	↑	↑	↑	↑	↑	↑
141	2.331	.020	↓	↓	↓	↓	↓	↓	218	1.266	↑	↑	↑	↑	↑	↑	↑
142	2.393	↑	↓	↓	↓	↓	↓	↓	219	1.334	↓	↑	↑	↑	↑	↑	↑
143	2.456	↑	↓	↓	↓	↓	↓	↓	220	1.397	↓	↑	↑	↑	↑	↑	↑
144	2.518	↓	↓	↓	↓	↓	↓	↓	221	1.459	.012	↑	↑	↑	↑	↑	↑
145	2.581	↓	↓	↓	↓	↓	↓	↓	222	1.522	.015	↑	↑	↑	↑	↑	↑
146	2.643	.020	↓	↓	↓	↓	↓	↓	223	1.647	.015	↑	↑	↑	↑	↑	↑
147	2.706	.022	↓	↓	↓	↓	↓	↓	224	1.772	.015	↑	↑	↑	↑	↑	↑
148	2.768	↑	↓	↓	↓	↓	↓	↓	225	1.897	.018	↑	↑	↑	↑	↑	↑
149	2.831	↓	↓	↓	↓	↓	↓	↓	226	2.022	.018	↑	↑	↑	↑	↑	↑
150	2.893	.022	↓	↓	↓	↓	↓	↓	227	2.147	.018	↑	↑	↑	↑	↑	↑
151	3.018	.024	↓	↓	↓	↓	↓	↓	228	2.272	.020	↑	↑	↑	↑	↑	↑
152	3.268	.024	↓	↓	↓	↓	↓	↓	229	2.397	.020	↑	↑	↑	↑	↑	↑
153	3.518	.024	↓	↓	↓	↓	↓	↓	230	2.522	.020	↑	↑	↑	↑	↑	↑
154	3.768	.028	↓	↓	↓	↓	↓	↓	231	2.631	.020	↑	↑	↑	↑	↑	↑
155	4.018	.028	↓	↓	↓	↓	↓	↓	232	2.756	.024	↑	↑	↑	↑	↑	↑
156	4.268	.030	↓	↓	↓	↓	↓	↓	233	2.881	↑	↑	↑	↑	↑	↑	↑
157	4.518	.030	↓	↓	↓	↓	↓	↓	234	3.006	↑	↑	↑	↑	↑	↑	↑
158	4.768	.030	↓	↓	↓	↓	↓	↓	235	3.131	↑	↑	↑	↑	↑	↑	↑
159	5.018	.035	↓	↓	↓	↓	↓	↓	236	3.256	↑	↑	↑	↑	↑	↑	↑
160	5.268	↑	↓	↓	↓	↓	↓	↓	237	3.381	↓	↑	↑	↑	↑	↑	↑
161	5.518	↑	↓	↓	↓	↓	↓	↓	238	3.506	.024	↑	↑	↑	↑	↑	↑
162	5.768	↓	↓	↓	↓	↓	↓	↓	239	3.631	.028	↑	↑	↑	↑	↑	↑
163	6.018	.035	↓	↓	↓	↓	↓	↓	240	3.756	↑	↑	↑	↑	↑	↑	↑
164	6.268	.040	↓	↓	↓	↓	↓	↓	241	3.881	↑	↑	↑	↑	↑	↑	↑
165	6.518	↑	↓	↓	↓	↓	↓	↓	242	4.006	↓	↑	↑	↑	↑	↑	↑
166	6.768	↓	↓	↓	↓	↓	↓	↓	243	4.131	.028	↑	↑	↑	↑	↑	↑
167	7.018	.040	↓	↓	↓	↓	↓	↓	244	4.256	.030	↑	↑	↑	↑	↑	↑
168	7.268	.045	↓	↓	↓	↓	↓	↓	245	4.381	↑	↑	↑	↑	↑	↑	↑
169	7.518	↑	↓	↓	↓	↓	↓	↓	246	4.506	↑	↑	↑	↑	↑	↑	↑
170	7.768	↓	↓	↓	↓	↓	↓	↓	247	4.631	↓	↑	↑	↑	↑	↑	↑
171	8.018	.045	↓	↓	↓	↓	↓	↓	248	4.768	.030	↑	↑	↑	↑	↑	↑
172	8.268	.050	↓	↓	↓	↓	↓	↓	249	4.893	.035	↑	↑	↑	↑	↑	↑
173	8.518	↑	↓	↓	↓	↓	↓	↓	250	5.018	↑	↑	↑	↑	↑	↑	↑
174	8.768	↓	↓	↓	↓	↓	↓	↓	251	5.143	↑	↑	↑	↑	↑	↑	↑
175	9.018	.050	↓	↓	↓	↓	↓	↓	252	5.268	↑	↑	↑	↑	↑	↑	↑
176	9.268	.055	↓	↓	↓	↓	↓	↓	253	5.393	↑	↑	↑	↑	↑	↑	↑
177	9.518	.055	↓	↓	↓	↓	↓	↓	254	5.518	↑	↑	↑	↑	↑	↑	↑
178	9.768	.055	.129	.053	.045	.003	.086	.003	255	5.643	↑	↑	↑	↑	↑	↑	↑
201	.202	.005	.174	.050	.040	.003	.118	.004	256	5.768	↑	↑	↑	↑	↑	↑	↑
202	.265	↑	↑	↑	↑	↓	↑	↑	257	5.893	↓	↑	↑	↑	↑	↑	↑
203	.327	↑	↑	↑	↑	↓	↑	↑	258	6.018	.035	↑	↑	↑	↑	↑	↑
204	.390	↓	↓	↓	↓	↓	↓	↓	259	6.268	.040	↑	↑	↑	↑	↑	↑
205	.455	.005	.174	.050	.040	.003	.118	.004	260	6.518	.040	↓	↓	↓	↓	↓	↓
									261	6.768	.040	.174	.050	.040	.003	.118	.004

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
 2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material. **Example:** N1444-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

Parker Parbak 8-Series Dimensions (Continued)

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±	Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
262	7.018	.040	.174	.050	.040	.003	.118	.004	341	3.523	.024	.262	.076	.060	.004	.183	.005
263	7.268	.045	↑	↑	↑	↑	↑	↑	342	3.648	.028	↑	↑	↑	↑	↑	↑
264	7.518	↑	↑	↑	↑	↑	↑	↑	343	3.773	↑	↑	↑	↑	↑	↑	↑
265	7.768	↓	↑	↑	↑	↑	↑	↑	344	3.898	↓	↑	↑	↑	↑	↑	↑
266	8.018	.045	↑	↑	↑	↑	↑	↑	345	4.028	↓	↑	↑	↑	↑	↑	↑
267	8.268	.050	↑	↑	↑	↑	↑	↑	346	4.153	.028	↑	↑	↑	↑	↑	↑
268	8.518	↑	↑	↑	↑	↑	↑	↑	347	4.278	.030	↑	↑	↑	↑	↑	↑
269	8.768	↓	↑	↑	↑	↑	↑	↑	348	4.403	↑	↑	↑	↑	↑	↑	↑
270	9.018	.050	↑	↑	↑	↑	↑	↑	349	4.528	↑	↑	↑	↑	↑	↑	↑
271	9.268	.055	↑	↑	↑	↑	↑	↑	350	4.653	↓	↑	↑	↑	↑	↑	↑
272	9.518	.055	↑	↑	↑	↑	↑	↑	351	4.778	↓	↑	↑	↑	↑	↑	↑
273	9.768	.055	↑	↑	↑	↑	↑	↑	352	4.903	.030	↑	↑	↑	↑	↑	↑
274	10.018	.055	↑	↑	↑	↑	↑	↑	353	5.028	.037	↑	↑	↑	↑	↑	↑
275	10.518	.055	↑	↑	↑	↑	↑	↑	354	5.153	.037	↑	↑	↑	↑	↑	↑
276	11.018	.065	↑	↑	↑	↑	↑	↑	355	5.278	.037	↑	↑	↑	↑	↑	↑
277	11.518	↑	↑	↑	↑	↑	↑	↑	356	5.403	.037	↑	↑	↑	↑	↑	↑
278	12.018	↓	↑	↑	↑	↑	↑	↑	357	5.528	↑	↑	↑	↑	↑	↑	↑
279	13.018	↓	↑	↑	↑	↑	↑	↑	358	5.653	↓	↑	↑	↑	↑	↑	↑
280	14.018	↓	↑	↑	↑	↑	↑	↑	359	5.778	↓	↑	↑	↑	↑	↑	↑
281	15.018	.065	↑	↑	↑	↑	↑	↑	360	5.903	↓	↑	↑	↑	↑	↑	↑
282	15.989	.075	↓	↓	↓	↓	↓	↓	361	6.028	.037	↑	↑	↑	↑	↑	↑
283	16.989	.080	↓	↓	↓	↓	↓	↓	362	6.278	.040	↑	↑	↑	↑	↑	↑
284	17.989	.085	.174	.050	.040	.003	.118	.004	363	6.528	↑	↑	↑	↑	↑	↑	↑
309	.450	.005	.262	.076	.060	.004	.183	.005	364	6.778	↓	↑	↑	↑	↑	↑	↑
310	.513	.005	↑	↑	↑	↑	↑	↑	365	7.028	.040	↑	↑	↑	↑	↑	↑
311	.575	.007	↑	↑	↑	↑	↑	↑	366	7.278	.045	↑	↑	↑	↑	↑	↑
312	.638	.009	↑	↑	↑	↑	↑	↑	367	7.528	↑	↑	↑	↑	↑	↑	↑
313	.700	.009	↑	↑	↑	↑	↑	↑	368	7.778	↓	↑	↑	↑	↑	↑	↑
314	.763	.010	↑	↑	↑	↑	↑	↑	369	8.028	.045	↑	↑	↑	↑	↑	↑
315	.825	↑	↑	↑	↑	↑	↑	↑	370	8.278	.050	↑	↑	↑	↑	↑	↑
316	.888	↓	↑	↑	↑	↑	↑	↑	371	8.528	↑	↑	↑	↑	↑	↑	↑
317	.950	↓	↑	↑	↑	↑	↑	↑	372	8.778	↓	↑	↑	↑	↑	↑	↑
318	1.013	↓	↑	↑	↑	↑	↑	↑	373	9.028	.050	↑	↑	↑	↑	↑	↑
319	1.075	.010	↑	↑	↑	↑	↑	↑	374	9.278	.055	↑	↑	↑	↑	↑	↑
320	1.138	.012	↑	↑	↑	↑	↑	↑	375	9.528	↑	↑	↑	↑	↑	↑	↑
321	1.200	.012	↑	↑	↑	↑	↑	↑	376	9.778	↓	↑	↑	↑	↑	↑	↑
322	1.263	.012	↑	↑	↑	↑	↑	↑	377	10.028	.055	↑	↑	↑	↑	↑	↑
323	1.316	.012	↑	↑	↑	↑	↑	↑	378	10.528	.060	↑	↑	↑	↑	↑	↑
324	1.388	.012	↑	↑	↑	↑	↑	↑	379	11.028	.060	↑	↑	↑	↑	↑	↑
325	1.513	.015	↑	↑	↑	↑	↑	↑	380	11.528	.065	↑	↑	↑	↑	↑	↑
326	1.638	↑	↑	↑	↑	↑	↑	↑	381	12.028	.065	↑	↑	↑	↑	↑	↑
327	1.763	↓	↑	↑	↑	↑	↑	↑	382	13.028	.065	↑	↑	↑	↑	↑	↑
328	1.888	.015	↑	↑	↑	↑	↑	↑	383	14.028	.070	↑	↑	↑	↑	↑	↑
329	2.013	.018	↑	↑	↑	↑	↑	↑	384	15.028	.070	↑	↑	↑	↑	↑	↑
330	2.138	↑	↑	↑	↑	↑	↑	↑	385	16.008	.075	↑	↑	↑	↑	↑	↑
331	2.268	↓	↑	↑	↑	↑	↑	↑	386	17.008	.080	↑	↑	↑	↑	↑	↑
332	2.393	.018	↑	↑	↑	↑	↑	↑	387	18.008	.085	↑	↑	↑	↑	↑	↑
333	2.518	.020	↑	↑	↑	↑	↑	↑	388	19.006	.090	↑	↑	↑	↑	↑	↑
334	2.643	.020	↑	↑	↑	↑	↑	↑	389	20.006	.095	↑	↑	↑	↑	↑	↑
335	2.768	.020	↑	↑	↑	↑	↑	↑	390	21.006	.095	↑	↑	↑	↑	↑	↑
336	2.893	.020	↑	↑	↑	↑	↑	↑	391	22.006	.100	↑	↑	↑	↑	↑	↑
337	3.018	.024	↑	↑	↑	↑	↑	↑	392	22.993	.105	↑	↑	↑	↑	↑	↑
338	3.143	↑	↑	↑	↑	↑	↑	↑	393	23.993	.110	↑	↑	↑	↑	↑	↑
339	3.273	↓	↓	↓	↓	↓	↓	↓	394	24.993	.115	↓	↓	↓	↓	↓	↓
340	3.398	.024	.262	.076	.060	.004	.183	.005	395	25.993	.120	.262	.076	.060	.004	.183	.005

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
 2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material. **Example:** N1444-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

Parker Parbak 8-Series Dimensions (Continued)

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±	Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
425	4.551	.033	.344	.117	.096	.005	.236	.006	451	11.024	.060	.344	.117	.096	.005	.236	.006
426	4.676	↑	↑	↑	↑	↑	↑	↑	452	11.524	↑	↑	↑	↑	↑	↑	↑
427	4.801	↓							453	12.024							
428	4.926	.033							454	12.524	↓						
429	5.051	.037							455	13.024	.060						
430	5.176	↑							456	13.524	.070						
431	5.301								457	14.024	↑						
432	5.426								458	14.524	↑						
433	5.551								459	15.024	↓						
434	5.676								460	15.524	.070						
435	5.801								461	16.004	.075						
436	5.926	↓							462	16.504	.075						
437	6.051	.037							463	17.004	.080						
438	6.274	.040							464	17.504	.085						
439	6.524	↑							465	18.004	.085						
440	6.774	↓							466	18.504	.085						
441	7.024	.040							467	19.004	.090						
442	7.274	.045							468	19.504	.090						
443	7.524	↑							469	20.004	.095						
444	7.774	↓							470	21.004	.095						
445	8.024	.045							471	22.004	.100						
446	8.524	.055							472	23.004	.105						
447	9.024	↑							473	24.004	.110						
448	9.524	↓							474	25.004	.115						
449	10.024	.055	↓	↓	↓	↓	↓	↓	475	26.004	.120	.344	.117	.096	.005	.236	.006
450	10.524	.060	.344	.117	.096	.005	.236	.006									

- Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
 2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material. **Example:** N1444-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions