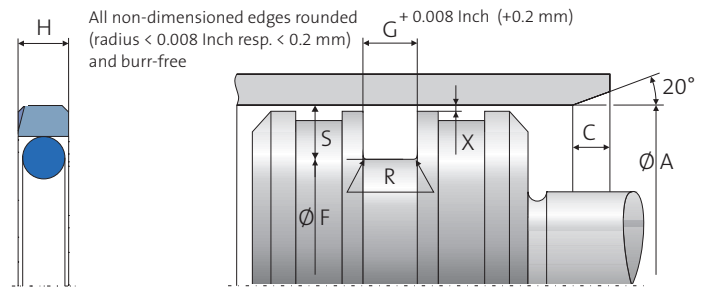


GROOVE SIZES—OMK-MR STANDARD RANGE—METRIC (MM)



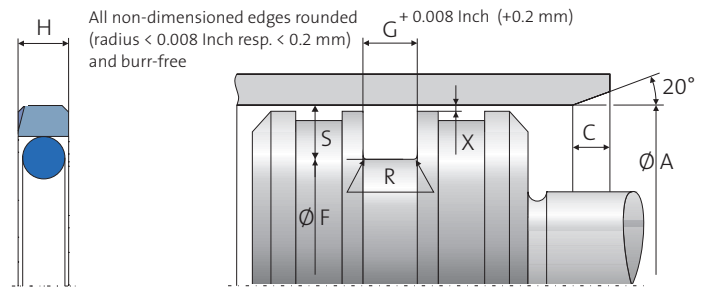
Dash No.*	ØA Bore Diameter OD ID	Tolerance ØA	ØF Groove Diameter ID OD	Tolerance ØF	S Groove Height (OD-ID)/2	H Axial Seal Width	G Groove Width	R Groove Radius max.	X Permissible Gap Dimension max.	C Axial Chamfer Length
011	10.72	0.03	6.30	-0.03	2.21	1.90	2.1	0.3	0.10	3.0
012	12.32	0.03	7.90	-0.03	2.21	1.90	2.1	0.3	0.10	3.0
013	13.97	0.05	9.55	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
014	15.57	0.05	11.15	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
015	17.15	0.05	12.73	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
016	18.75	0.05	14.33	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
017	20.32	0.05	15.90	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
018	21.92	0.05	17.50	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
019	23.50	0.05	19.08	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
020	25.17	0.05	20.75	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
021	26.75	0.05	22.33	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
022	28.35	0.05	23.93	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
023	29.92	0.05	25.50	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
024	31.52	0.05	27.10	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
025	33.10	0.05	28.68	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
026	34.70	0.05	30.28	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
027	36.27	0.05	31.85	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
028	37.87	0.05	33.45	-0.05	2.21	1.90	2.1	0.3	0.13	3.0
110	13.97	0.05	9.55	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
111	15.57	0.05	11.15	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
112	17.15	0.05	12.73	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
113	18.75	0.05	14.33	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
114	20.32	0.05	15.90	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
115	21.92	0.05	17.50	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
116	23.50	0.05	19.08	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
117	25.17	0.05	20.75	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
118	26.75	0.05	22.33	-0.05	3.18	3.00	3.2	0.5	0.13	4.0

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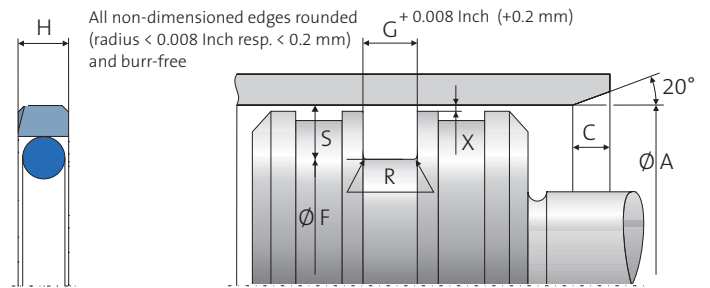
Dash No.*	ØA Bore Diameter OD ID	Tolerance ØA	ØF Groove Diameter ID OD	Tolerance ØF	S Groove Height (OD-ID)/2	H Axial Seal Width	G Groove Width	R Groove Radius max.	X Permissible Gap Dimension max.	C Axial Chamfer Length
119	28.35	0.05	23.93	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
120	29.92	0.05	25.50	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
121	31.52	0.05	27.10	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
122	33.10	0.05	28.68	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
123	34.70	0.05	30.28	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
124	36.27	0.05	29.92	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
125	37.87	0.05	31.52	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
126	39.45	0.05	33.10	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
127	41.05	0.05	34.70	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
128	42.62	0.05	36.27	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
129	44.22	0.05	37.87	-0.05	3.18	3.00	3.2	0.5	0.13	4.0
130	45.85	0.05	39.50	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
131	47.42	0.05	41.07	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
132	49.02	0.05	42.67	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
133	50.60	0.05	44.25	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
134	52.20	0.05	45.85	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
135	53.80	0.05	47.45	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
136	55.37	0.05	49.02	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
137	56.97	0.05	50.62	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
138	58.55	0.05	52.20	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
139	60.15	0.05	53.80	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
140	61.72	0.05	55.37	-0.05	3.18	3.00	3.2	0.5	0.15	4.0
141	63.32	0.05	56.97	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
142	64.90	0.05	58.55	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
143	66.50	0.05	60.15	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
144	68.07	0.05	61.72	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
145	69.67	0.05	63.32	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
146	71.25	0.05	64.90	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
147	72.85	0.05	66.50	-0.05	3.18	3.00	3.2	0.5	0.18	4.0

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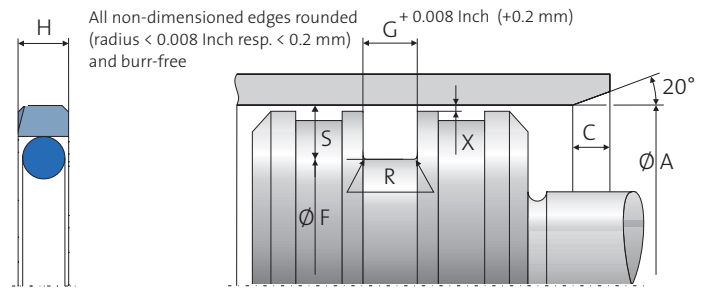
Dash No.*	ØA Bore Diameter OD ID	Tolerance ØA	ØF Groove Diameter ID OD	Tolerance ØF	S Groove Height (OD-ID)/2	H Axial Seal Width	G Groove Width	R Groove Radius max.	X Permissible Gap Dimension max.	C Axial Chamfer Length
148	74.42	0.05	68.07	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
149	76.02	0.05	69.67	-0.05	3.18	3.00	3.2	0.5	0.18	4.0
210	25.17	0.05	15.67	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
211	26.75	0.05	17.25	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
212	28.35	0.05	18.85	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
213	29.92	0.05	20.42	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
214	31.52	0.05	22.02	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
215	33.10	0.05	23.60	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
216	34.70	0.05	25.20	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
217	36.27	0.05	26.77	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
218	37.87	0.05	28.37	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
219	39.45	0.05	29.95	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
220	41.05	0.05	31.55	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
221	42.62	0.05	33.12	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
222	44.22	0.05	34.72	-0.05	4.75	4.00	4.2	0.8	0.13	5.5
223	47.42	0.05	37.92	-0.05	4.75	4.00	4.2	0.8	0.15	5.5
224	50.60	0.05	41.10	-0.05	4.75	4.00	4.2	0.8	0.15	5.5
225	53.80	0.05	44.30	-0.05	4.75	4.00	4.2	0.8	0.15	5.5
226	56.97	0.05	47.47	-0.05	4.75	4.00	4.2	0.8	0.15	5.5
227	60.15	0.05	50.65	-0.05	4.75	4.00	4.2	0.8	0.15	5.5
228	63.32	0.05	53.82	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
229	66.50	0.05	57.00	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
230	69.67	0.05	60.17	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
231	72.85	0.05	63.35	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
232	76.02	0.05	66.52	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
233	79.20	0.05	69.70	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
234	82.37	0.05	72.87	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
235	85.55	0.05	76.05	-0.05	4.75	4.00	4.2	0.8	0.18	5.5

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GROOVE SIZES—OMK-MR STANDARD RANGE—METRIC (MM)



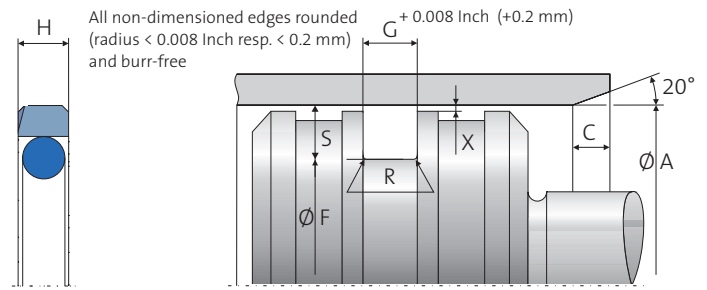
Dash No.*	ØA Bore Diameter OD ID	Tolerance ØA	ØF Groove Diameter ID OD	Tolerance ØF	S Groove Height (OD-ID)/2	H Axial Seal Width	G Groove Width	R Groove Radius max.	X Permissible Gap Dimension max.	C Axial Chamfer Length
236	88.72	0.05	79.22	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
237	91.90	0.05	82.40	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
238	95.07	0.05	85.57	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
239	98.25	0.05	88.75	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
240	101.42	0.05	91.92	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
241	104.60	0.05	95.10	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
242	107.77	0.05	98.27	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
243	110.95	0.05	101.45	-0.05	4.75	4.00	4.2	0.8	0.18	5.5
244	114.12	0.05	104.62	-0.05	4.75	4.00	4.2	0.8	0.20	5.5
245	117.30	0.05	107.80	-0.05	4.75	4.00	4.2	0.8	0.20	5.5
246	120.47	0.05	110.97	-0.05	4.75	4.00	4.2	0.8	0.20	5.5
247	123.65	0.05	114.15	-0.05	4.75	4.00	4.2	0.8	0.20	5.5
325	47.42	0.05	33.35	-0.05	7.04	5.90	6.3	1.2	0.15	8.0
326	50.60	0.05	36.53	-0.05	7.04	5.90	6.3	1.2	0.15	8.0
327	53.80	0.05	39.73	-0.05	7.04	5.90	6.3	1.2	0.15	8.0
328	56.97	0.05	42.90	-0.05	7.04	5.90	6.3	1.2	0.15	8.0
329	60.15	0.05	46.08	-0.05	7.04	5.90	6.3	1.2	0.15	8.0
330	63.32	0.05	49.25	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
331	66.50	0.05	52.43	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
332	69.67	0.05	55.60	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
333	72.85	0.05	58.78	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
334	76.02	0.05	61.95	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
335	79.20	0.05	65.13	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
336	82.37	0.05	68.30	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
337	85.55	0.05	71.48	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
338	88.72	0.05	74.65	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
339	91.90	0.05	77.83	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
340	95.07	0.05	81.00	-0.05	7.04	5.90	6.3	1.2	0.18	8.0

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GROOVE SIZES—OMK-MR STANDARD RANGE—METRIC (MM)



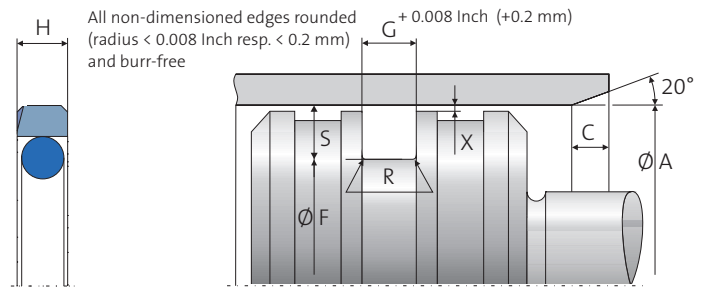
Dash No.*	ØA Bore Diameter OD ID	Tolerance ØA	ØF Groove Diameter ID OD	Tolerance ØF	S Groove Height (OD-ID)/2	H Axial Seal Width	G Groove Width	R Groove Radius max.	X Permissible Gap Dimension max.	C Axial Chamfer Length
341	98.25	0.05	84.18	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
342	101.42	0.05	87.35	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
343	104.60	0.05	90.53	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
344	107.77	0.05	93.70	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
345	110.95	0.05	96.88	-0.05	7.04	5.90	6.3	1.2	0.18	8.0
346	114.12	0.05	100.05	-0.05	7.04	5.90	6.3	1.2	0.20	8.0
347	117.30	0.05	103.23	-0.05	7.04	5.90	6.3	1.2	0.20	8.0
348	120.47	0.05	106.40	-0.05	7.04	5.90	6.3	1.2	0.20	8.0
349	123.65	0.05	109.58	-0.05	7.04	5.90	6.3	1.2	0.20	8.0
428	135.86	0.08	116.81	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
429	139.04	0.08	119.99	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
430	142.21	0.08	123.16	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
431	145.39	0.08	126.34	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
432	148.56	0.08	129.51	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
434	151.74	0.08	132.69	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
435	154.91	0.08	135.86	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
436	161.26	0.08	142.21	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
437	164.44	0.08	145.39	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
438	170.79	0.08	151.74	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
439	177.14	0.08	158.09	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
440	183.49	0.08	164.44	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
441	189.84	0.08	170.79	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
442	196.19	0.08	177.14	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
443	202.54	0.08	183.49	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
444	208.89	0.08	189.84	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
445	215.24	0.08	196.19	-0.08	9.53	7.60	8.1	2.0	0.23	10.5
446	227.94	0.08	208.89	-0.08	9.53	7.60	8.1	2.0	0.25	10.5

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Dash No.*	ØA Bore Diameter OD ID	Tolerance ØA	ØF Groove Diameter ID OD	Tolerance ØF	S Groove Height (OD-ID)/2	H Axial Seal Width	G Groove Width	R Groove Radius max.	X Permissible Gap Dimension max.	C Axial Chamfer Length
447	240.64	0.10	221.59	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
448	253.34	0.10	234.29	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
449	266.04	0.10	246.99	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
450	278.74	0.10	259.69	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
451	291.44	0.10	272.39	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
452	304.14	0.10	285.09	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
453	316.84	0.10	297.79	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
454	329.54	0.10	310.49	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
455	342.24	0.10	323.19	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
456	354.94	0.10	335.89	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
457	367.64	0.10	348.59	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
458	380.34	0.10	361.29	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
459	393.04	0.10	373.99	-0.10	9.53	7.60	8.1	2.0	0.28	10.5
460	405.74	0.10	386.69	-0.10	9.53	7.60	8.1	2.0	0.28	10.5

*Freudenberg's rod seal set OMK-MR matches all AS4716 rod sizes with different gland sizes. Custom designs are available on request.

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