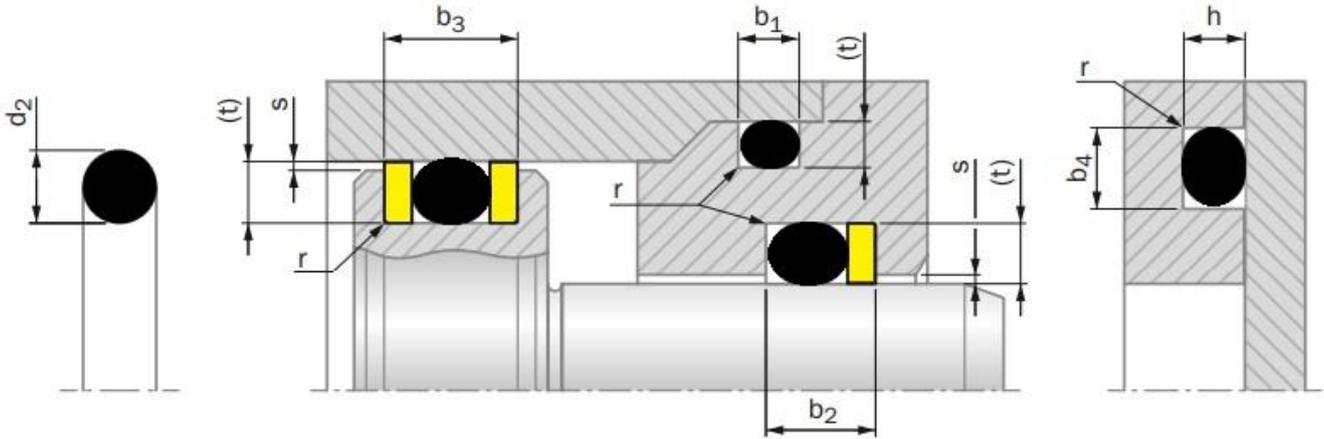


O-Ring Housing Recommended Dimensions



The generally recommended fit is H8/f7.

O-Ring Cross-Section- Ø	Radial Installation		Axial Installation		Radius	
	Housing Depth		Groove Width	Groove Depth		Groove Width
d2	Dynamic (t)	Static (t)	b1 +0.25mm	h +0.1mm	b4 +0.2mm	r ±0.2mm
Metric Dimensions						

0.50	-	0.35	0.80	0.35	0.80	0.20
0.74	-	0.50	1.00	0.50	1.00	0.20
1.00	-	0.70	1.40	0.70	1.40	0.20
1.02	-	0.70	1.40	0.70	1.40	0.20
1.20	-	0.85	1.70	0.85	1.70	0.20
1.25	-	0.90	1.70	0.90	1.80	0.20
1.27	-	0.90	1.70	0.90	1.80	0.20
1.30	-	0.95	1.80	0.95	1.80	0.20
1.42	-	1.05	1.90	1.05	2.00	0.30
1.50	1.25	1.10	2.00	1.10	2.10	0.30
1.52	1.25	1.10	2.00	1.10	2.10	0.30
1.60	1.30	1.20	2.10	1.20	2.20	0.30
1.63	1.30	1.20	2.10	1.20	2.20	0.30
1.78*	1.45	1.30	2.40	1.30	2.60	0.30

*Denotes British Standard Size

*The given values for the housing depth are based on the nominal O-Ring cross section dimensions. The O-Ring inside diameter and its stretch are not considered.



O-Ring Cross-Section- Ø	Radial Installation			Axial Installation		Radius
	Housing Depth		Groove Width	Groove Depth	Groove Width	
d2	Dynamic (t)	Static (t)	b1 +0.25mm	h +0.1mm	b4 +0.2mm	r ±0.2mm

Metric Dimensions

1.80	1.45	1.30	2.40	1.30	2.60	0.30
1.83	1.50	1.35	2.50	1.35	2.60	0.30
1.90	1.55	1.40	2.60	1.40	2.70	0.30
1.98	1.65	1.50	2.70	1.50	2.80	0.30
2.00	1.65	1.50	2.70	1.50	2.80	0.30
2.08	1.75	1.55	2.80	1.55	2.90	0.30
2.10	1.75	1.55	2.80	1.55	2.90	0.30
2.20	1.85	1.60	3.00	1.60	3.00	0.30
2.26	1.90	1.70	3.00	1.70	3.10	0.30
2.30	1.95	1.75	3.10	1.75	3.10	0.30
2.34	1.95	1.75	3.10	1.75	3.10	0.30
2.40	2.05	1.80	3.20	1.80	3.30	0.30
2.46	2.10	1.85	3.30	1.85	3.40	0.30
2.50	2.15	1.90	3.30	1.90	3.40	0.30
2.62*	2.25	2.00	3.60	2.00	3.80	0.30
2.65	2.25	2.00	3.60	2.00	3.80	0.30
2.70	2.30	2.05	3.60	2.05	3.80	0.30
2.80	2.40	2.10	3.70	2.10	3.90	0.60
2.92	2.50	2.20	3.90	2.20	4.00	0.60
2.95	2.50	2.20	3.90	2.20	4.00	0.60
3.00	2.60	2.30	4.00	2.30	4.00	0.60
3.10	2.70	2.40	4.10	2.40	4.10	0.60
3.50	3.05	2.65	4.60	2.65	4.70	0.60
3.53*	3.10	2.70	4.80	2.70	5.00	0.60
3.55	3.10	2.70	4.80	2.70	5.00	0.60
3.60	3.15	2.80	4.80	2.80	5.10	0.60
4.00	3.50	3.10	5.20	3.10	5.30	0.60
4.50	4.00	3.50	5.80	3.50	5.90	0.60
5.00	4.40	4.00	6.60	4.00	6.70	0.60
5.30	4.70	4.30	7.10	4.30	7.30	0.60
5.33*	4.70	4.30	7.10	4.30	7.30	0.60

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O-Ring Cross-Section- Ø	Radial Installation			Axial Installation		Radius
	Housing Depth		Groove Width	Groove Depth	Groove Width	
d2	Dynamic (t)	Static (t)	b1 +0.25mm	h +0.1mm	b4 +0.2mm	r ±0.2mm
Metric Dimensions						

5.50	4.80	4.50	7.10	4.50	7.30	0.60
5.70	5.00	4.60	7.20	4.60	7.40	0.60
6.00	5.30	4.90	7.40	4.90	7.60	0.60
6.50	5.70	5.40	8.00	5.40	8.20	1.00
6.99*	6.10	5.80	9.50	5.80	9.70	1.00
7.00	6.10	5.80	9.50	5.80	9.70	1.00
7.50	6.60	6.30	9.70	6.30	9.90	1.00
8.00	7.10	6.70	9.80	6.70	10.00	1.00
8.40	7.50	7.10	10.00	7.10	10.30	1.00
9.00	8.10	7.70	10.60	7.70	10.90	1.50
9.50	8.60	8.20	11.00	8.20	11.40	1.50
10.00	9.10	8.60	11.60	8.60	12.00	2.00
12.00	11.00	10.60	13.50	10.60	14.00	2.00

*Denotes British Standard Size

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O-Ring Cross-Section- Ø	Radial Installation			Axial Installation		Radius
	Housing Depth		Groove Width	Groove Depth	Groove Width	
d2	Dynamic (t)	Static (t)	b1 +0.01 in	h +0.004 in	b4 +0.008 in	r ±0.008in
Imperial Dimensions						

0.020	-	0.014	0.031	0.014	0.031	0.008
0.029	-	0.020	0.039	0.020	0.039	0.008
0.039	-	0.028	0.055	0.028	0.055	0.008
0.040	-	0.028	0.055	0.028	0.055	0.008
0.047	-	0.033	0.067	0.033	0.067	0.008
0.049	-	0.035	0.067	0.035	0.071	0.008
0.050	-	0.035	0.067	0.035	0.071	0.008
0.051	-	0.037	0.071	0.037	0.071	0.008
0.056	-	0.041	0.075	0.041	0.079	0.012
0.059	0.049	0.043	0.079	0.043	0.083	0.012
0.060	0.049	0.043	0.079	0.043	0.083	0.012
0.063	0.051	0.047	0.083	0.047	0.087	0.012
0.064	0.051	0.047	0.083	0.047	0.087	0.012
0.070*	0.057	0.051	0.094	0.051	0.102	0.012
0.071	0.057	0.051	0.094	0.051	0.102	0.012
0.072	0.059	0.053	0.098	0.053	0.102	0.012
0.075	0.061	0.055	0.102	0.055	0.106	0.012
0.078	0.065	0.059	0.106	0.059	0.110	0.012
0.079	0.065	0.059	0.106	0.059	0.110	0.012
0.082	0.069	0.061	0.110	0.061	0.114	0.012
0.083	0.069	0.061	0.110	0.061	0.114	0.012
0.087	0.073	0.063	0.118	0.063	0.118	0.012
0.089	0.075	0.067	0.118	0.067	0.122	0.012
0.091	0.077	0.069	0.122	0.069	0.122	0.012
0.092	0.077	0.069	0.122	0.069	0.122	0.012
0.094	0.081	0.071	0.126	0.071	0.130	0.012
0.097	0.083	0.073	0.130	0.073	0.134	0.012
0.098	0.085	0.075	0.130	0.075	0.134	0.012
0.103*	0.089	0.079	0.142	0.079	0.150	0.012

*Denotes British Standard Size

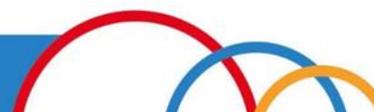
*The given values for the housing depth are based on the nominal O-Ring cross section dimensions. The O-Ring inside diameter and its stretch are not considered.

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O-Ring Cross-Section- Ø	Radial Installation			Axial Installation		Radius
	Housing Depth		Groove Width	Groove Depth	Groove Width	
d2	Dynamic (t)	Static (t)	b1 +0.01 in	h +0.004 in	b4 +0.008 in	r ±0.008in

Imperial Dimensions

0.104	0.089	0.079	0.142	0.079	0.150	0.012
0.106	0.091	0.081	0.142	0.081	0.150	0.012
0.110	0.094	0.083	0.146	0.083	0.154	0.024
0.115	0.098	0.087	0.154	0.087	0.157	0.024
0.116	0.098	0.087	0.154	0.087	0.157	0.024
0.118	0.102	0.091	0.157	0.091	0.157	0.024
0.122	0.106	0.094	0.161	0.094	0.161	0.024
0.138	0.120	0.104	0.181	0.104	0.185	0.024
0.139*	0.122	0.106	0.189	0.106	0.197	0.024
0.140	0.122	0.106	0.189	0.106	0.197	0.024
0.142	0.124	0.110	0.189	0.110	0.201	0.024
0.157	0.138	0.122	0.205	0.122	0.209	0.024
0.177	0.157	0.138	0.228	0.138	0.232	0.024
0.197	0.173	0.157	0.260	0.157	0.264	0.024
0.209	0.185	0.169	0.280	0.169	0.287	0.024
0.210*	0.185	0.169	0.280	0.169	0.287	0.024
0.217	0.189	0.177	0.280	0.177	0.287	0.024
0.224	0.197	0.181	0.283	0.181	0.291	0.024
0.236	0.209	0.193	0.291	0.193	0.299	0.024
0.256	0.224	0.213	0.315	0.213	0.323	0.039
0.275*	0.240	0.228	0.374	0.228	0.382	0.039
0.276	0.240	0.228	0.374	0.228	0.382	0.039
0.295	0.260	0.248	0.382	0.248	0.390	0.039
0.315	0.280	0.264	0.386	0.264	0.394	0.039
0.331	0.295	0.280	0.394	0.280	0.406	0.039
0.354	0.319	0.303	0.417	0.303	0.429	0.059
0.374	0.339	0.323	0.433	0.323	0.449	0.059
0.394	0.358	0.339	0.457	0.339	0.472	0.079
0.472	0.433	0.417	0.531	0.417	0.551	0.079

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