

Product Description	D Minimum Supplied	D Maximum Recovered	T Supplied	W Maximum Supplied	Minimum Substrate Diameter ^{△5}	Nominal Clamping Force (N) ^{△6}
BHM1010-0188	10.1	9.62	1.88±0.08	2.93	9.79	3380
BHM1059-0188	10.59	10.08	1.88±0.08	2.93	10.26	3380
BHM1170-0188	11.7	11.14	1.88±0.08	2.93	11.34	3380
BHM1219-0188	12.19	11.6	1.88±0.08	2.93	11.8	3380
BHM1328-0079	13.28	12.73	0.79±0.06	1.27	12.93	590
BHM1330-0188	13.3	12.67	1.88±0.08	2.93	12.88	3380
BHM1381-0188	13.81	13.14	1.88±0.08	2.93	13.36	3380
BHM1490-0188	14.9	14.19	1.88±0.08	2.93	14.43	3380
BHM1541-0188	15.41	14.67	1.88±0.08	2.93	14.92	3380
BHM1653-0188	16.53	15.73	1.88±0.08	2.93	15.99	3380
BHM1704-0188	17.04	16.21	1.88±0.08	2.93	16.48	3380
BHM1826-0188	18.26	17.56	1.88±0.08	2.93	17.85	3380
BHM1987-0188	19.87	18.89	1.88±0.08	2.93	19.2	3380
BHM2038-0188	20.38	19.37	1.88±0.08	2.93	19.69	3380
BHM2111-0188	21.11	20.06	1.88±0.08	2.93	20.39	3380

NOTES:

- 1 Ring material: heat-to-recover NiTi, Intrinsic Alloy H.
- 2 To prevent premature recovery, do not expose rings to temperatures above 45°C prior to installation.
- 3 Rings begin to shrink at just over 45°C and are almost fully shrunk by 100°C. However, they require heating to 165°C to build their full clamping force. Use a controlled heating method to insure the rings are heated to 165°C or higher. Rings can be supplied with temperature indicating paint spots that change color at 165°C. Add a "P" suffix to the part number if the paint is desired.
- 4 Do not heat rings above 300°C during installation, or afterward, to avoid the possibility of stress relaxation.
- △5 To ensure consistent performance, the substrate should have the dimensions and rigidity to hold the installed ring diameter to this size, or larger. (For a minimum unresolved recovery of 1.5%)

- △6 This is a nominal radial clamping force for design purposes, equal to the ring-to-substrate contact area times the contact pressure. The actual force applied by a ring is a function of installation method, substrate material and geometry, and operating temperatures. The force decreases with decreasing temperature and with decreasing substrate diameter. Testing is required to qualify performance in specific applications.

- △7 "I" and "J" suffix rings have an insulating coating which is .01 to .13 mm thick. Type "I" rings have a coating coverage angle, Ø, of 45° to 150°. Type "J" rings have a coating coverage angle, Ø, of 90° to 150°. Coating adds to dimensions T & W. D is unchanged. Coating is used when installing rings by direct electrical resistance heating. Consult Installation Procedure, PD 003.

8 Dimensions are in mm.

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Intrinsic Devices, Inc.

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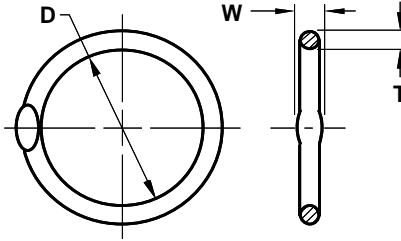
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CAGE Code 08CE6

Product Document

**UniLok, Circular Section, Welded,
 Heat-To-Recover, Metric Units**

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BHM2146-0188	21.46	20.55	1.88±0.08	2.93	20.89	3380
BHM2318-0188	23.18	22.01	1.88±0.08	2.93	22.36	3380
BHM2368-0188	23.68	22.48	1.88±0.08	2.93	22.84	3380
BHM2439-0188	24.39	23.15	1.88±0.08	2.93	23.53	3380
BHM2644-0188	26.44	25.07	1.88±0.08	2.93	25.48	3380
BHM2695-0188	26.95	25.55	1.88±0.08	2.93	25.96	3380
BHM2767-0188	27.67	26.23	1.88±0.08	2.93	26.65	3380
BHM2977-0188	29.77	28.19	1.88±0.08	2.93	28.65	3380
BHM3027-0188	30.27	28.66	1.88±0.08	2.93	29.12	3380
BHM3092-0188	30.92	29.28	1.88±0.08	2.93	29.75	3380
BHM3307-0188	33.07	31.32	1.88±0.08	2.93	31.82	3380
BHM3355-0188	33.55	31.78	1.88±0.08	2.93	32.29	3380
BHM3635-0188	36.35	34.44	1.88±0.08	2.93	34.99	3380
BHM3686-0188	36.86	34.92	1.88±0.08	2.93	35.48	3380
BHM3830-0188	38.3	36.56	1.88±0.08	2.93	37.13	3380
BHM3848-0213	38.48	36.68	2.13±0.08	3.18	37.26	4310
BHM3921-0213	39.21	37.15	2.13±0.08	3.31	37.73	4310
BHM3937-0145	39.37	37.77	1.45±0.08	2.19	38.36	2000
BHM3968-0213	39.68	37.59	2.13±0.08	3.31	38.19	4310
BHM4252-0213	42.52	40.29	2.13±0.08	3.31	40.93	4310
BHM4298-0213	42.98	40.73	2.13±0.08	3.31	41.38	4310
BHM4460-0188	44.6	42.8	1.88±0.08	2.93	43.47	3380
BHM4813-0254	48.13	46.03	2.54±0.11	3.66	46.77	6090
BHM4909-0213	49.09	46.72	2.13±0.08	3.31	47.45	4310
BHM4955-0213	49.55	47.17	2.13±0.08	3.31	48.01	4310
BHM6629-0145	66.29	63.56	1.45±0.08	2.27	64.52	2000
BHM7162-0213	71.62	68.38	2.13±0.08	3.31	69.42	4310
BHM118.-0188	118.82	113.24	1.88±0.08	2.93	114.97	3380
BHM149.-0213	149.86	142.58	2.13±0.08	3.31	144.76	4310
BHM178.-0079	177.8	169.3	0.79±0.06	1.2	171.84	590
BHM180.-0079	180.34	172.22	0.79±0.06	1.2	174.81	590
BHM181.-0254	180.97	172.22	2.54±0.11	3.56	174.83	6140

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