



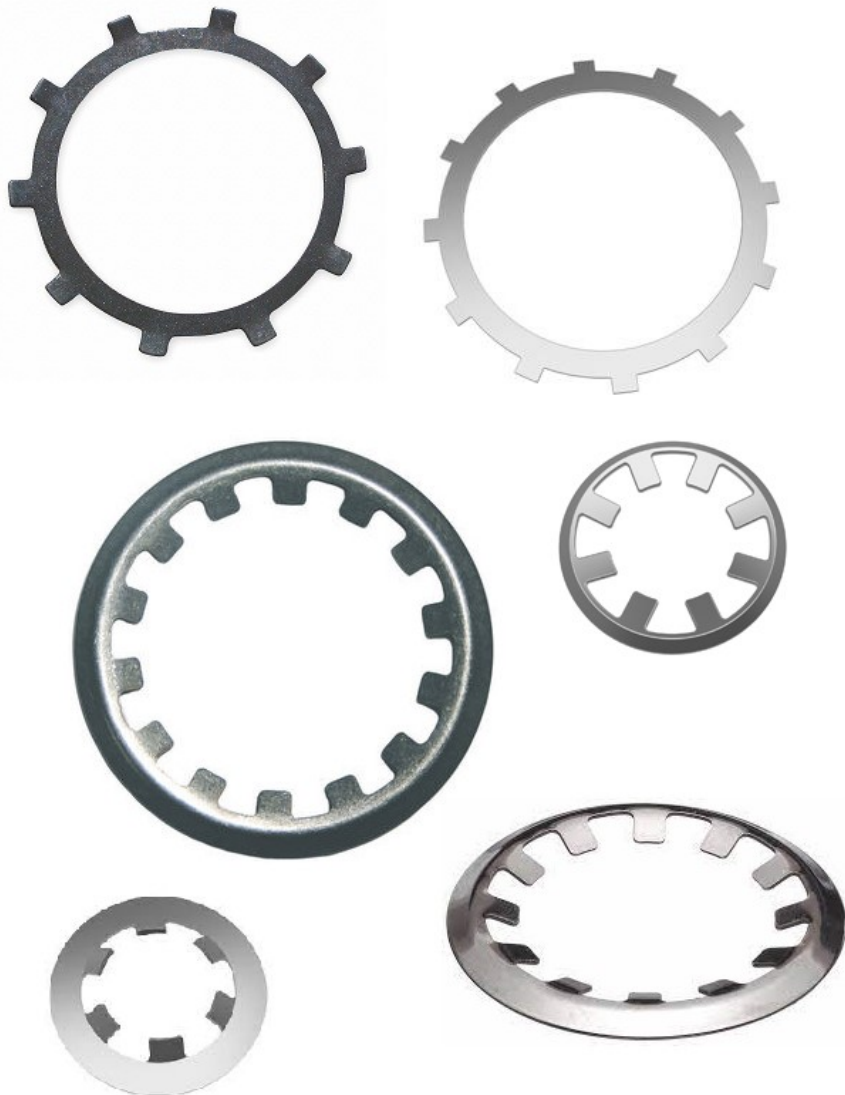
MBA

2022.1

Push-On & Push-In Rings

Carbon Steel - Stainless Steel

More information is available online by entering part numbers from this catalogue into web search



For fast
secure light
duty
fastening on
shafts
(external) or
in bores
(internal).

No need for
a groove.

To find and order parts online, simply type the part number from this catalogue into the search box on any web page.

Part Number Designations

RPO	-	029	-	031	-	C
1		2		3		4

1 Type:

RPI: Push In ring (for Bores)
RPO: Push On Ring (for Shafts)

4 Material:

B: Beryllium Copper
C: Carbon Spring Steel
Z: Zinc Plated Carbon Steel
CZY: Yellow Zinc Plated Carbon Steel
S15: P15-7/17-7 Mo Stainless Steel
S42: 420 Stainless Steel

Size:

2 Minimum Bore or Housing Size in mm x 10, to 1 decimal place. ie, 029 = 2.9mm

3 Maximum Bore or Housing Size in mm x 10, to 1 decimal place. ie, 031 = 3.1mm

These are just some of the most commonly used suffixes. Please refer to MBA for information on suffixes not listed.

Only very basic information is presented here for easy identification of push-on and push-in rings. Please refer to the website or email MBA for more information. Full data sheets are available for individual rings on request.

Push In Rings				Part Number	Description
Housing Bore (B) Min mm (in.)	Housing Bore (B) Max (mm)	Inside Clearance (D1) (mm)			
7.90 (0.311")	7.96	3.45 +/-0.13	RPI-079-080-C	Push In Retaining Rings - Carbon Steel	N1305-0043
9.50 (0.374")	9.56	4.45 +/-0.13	RPI-095-096-C	Push In Retaining Rings - Carbon Steel	N1305-0043
11.10 (0.437")	11.15	6.02 +/-0.26	RPI-111-112-C	Push In Retaining Rings - Carbon Steel	N1305-0043
12.65 (0.498")	12.75	6.55 +/-0.26	RPI-127-128-C	Push In Retaining Rings - Carbon Steel	N1305-0050
14.22 (0.560")	14.33	7.92 +/-0.26	RPI-142-143-C	Push In Retaining Rings - Carbon Steel	N1305-0056
15.82 (0.623")	15.93	9.91 +/-0.26	RPI-158-159-C	Push In Retaining Rings - Carbon Steel	S73PH1-PIR005062
19.00 (0.748")	19.10	12.70 +/-0.26	* RPI-190-191-C	Push In Retaining Rings - Carbon Steel	S73PH1-PIR005062
22.17 (0.873")	22.28	15.88 +/-0.26	RPI-221-223-C	Push In Retaining Rings - Carbon Steel	N1305-0087
23.77 (0.936")	23.88	17.45 +/-0.26	RPI-238-239-C	Push In Retaining Rings - Carbon Steel	S73PH1-PIR005093
25.35 (0.998")	25.45	19.05 +/-0.26	RPI-254-255-C	Push In Retaining Rings - Carbon Steel	N1305-0100
25.35 (0.998")	25.45	19.05 +/-0.26	RPI-254-255-Z	Push In Retaining Rings - Carbon Steel	N1305-0100
30.10 (1.185")	30.20	22.23 +/-0.26	RPI-301-302-C	Push In Retaining Rings - Carbon Steel	N1305-0118
31.70 (1.248")	31.80	23.83 +/-0.26	RPI-317-318-Z	Push In Retaining Rings - Carbon Steel	S73PH1-PIR005125, N1305-0125
34.82 (1.371")	35.03	26.67 +/-0.39	* RPI-348-350-C	Push In Retaining Rings - Carbon Steel	N1305-0137
36.45 (1.435")	36.55	28.58 +/-0.50	RPI-365-366-C	Push In Retaining Rings - Carbon Steel	S73PH1-PIR005144
38.05 (1.498")	38.15	30.18 +/-0.50	RPI-381-382-C	Push In Retaining Rings - Carbon Steel	S73PH1-PIR005150
44.40 (1.748")	44.50	36.53 +/-0.50	RPI-444-445-C	Push In Retaining Rings - Carbon Steel	N1305-0175
50.75 (1.998")	50.85	40.64 +/-0.50	RPI-508-509-C	Push In Retaining Rings - Carbon Steel	N1305-0200

Push On Rings					Part Number	Description
Min shaft size (s1) mm (in.)	Max Shaft Size (s2) (mm)	Outside diameter (D1) (mm)	Min shaft extension (n1) (mm)			
1.48 (0.058")	1.50	6.00	2.50	* RPO-015-015-C	Push On Retaining Rings - Carbon Steel	
1.90 (0.075")	2.10	6.50	1.60	RPO-019-021-C	Push On Retaining Rings - Carbon Steel	M1465-0020
1.98 (0.078")	2.00	7.00	2.50	* RPO-020-020-C	Push On Retaining Rings - Carbon Steel	
2.31 (0.091")	2.46	8.28	1.47	RPO-023-025-C	Push On Retaining Rings - Carbon Steel	N1465-0009
2.36 (0.093")	2.41	6.35	1.02	RPO-024-024-C	Push On Retaining Rings - Carbon Steel	
2.36 (0.093")	2.41	6.35	1.02	RPO-024-024-SP15	Push On Retaining Rings - Stainless Steel	
2.48 (0.098")	2.50	8.25	2.50	* RPO-025-025-C	Push On Retaining Rings - Carbon Steel	
2.90 (0.114")	3.10	9.10	1.60	RPO-029-031-C	Push On Retaining Rings - Carbon Steel	M1465-0030
2.98 (0.117")	3.00	10.00	3.00	* RPO-030-030-C	Push On Retaining Rings - Carbon Steel	DKS-003
3.07 (0.121")	3.28	9.30	1.47	RPO-031-033-C	Push On Retaining Rings - Carbon Steel	N1465-0012
3.07 (0.121")	3.28	9.00	1.47	RPO-031-033-CZ	Push On Retaining Rings - Carbon Steel	
3.07 (0.121")	3.28	9.00	1.47	RPO-031-033-SP15	Push On Retaining Rings - Stainless Steel	
3.15 (0.124")	3.20	8.26	1.02	RPO-031-032-C	Push On Retaining Rings - Carbon Steel	
3.15 (0.124")	3.20	8.26	1.02	RPO-031-032-SP15	Push On Retaining Rings - Stainless Steel	

Stocked or Short Delivery
 Usually Available Short Delivery
 Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Push On Rings						
Min shaft size (s1) mm (in.)	Max Shaft Size (s2) (mm)	Outside diameter (D1) (mm)	Min shaft extension (n1) (mm)	Part Number	Description	
3.48 (0.137")	3.50	11.50	3.00	* RPO-035-035-C	Push On Retaining Rings - Carbon Steel	
3.86 (0.152")	4.06	10.08	1.47	RPO-039-041-C	Push On Retaining Rings - Carbon Steel	N1465-0015
3.94 (0.155")	3.99	9.04	1.02	RPO-039-040-C	Push On Retaining Rings - Carbon Steel	
3.94 (0.155")	3.99	9.04	1.02	RPO-039-040-SP15	Push On Retaining Rings - Stainless Steel	
3.98 (0.157")	4.00	13.00	3.50	* RPO-040-040-C	Push On Retaining Rings - Carbon Steel	
4.67 (0.184")	4.88	11.00	1.57	RPO-047-049-SP15	Push On Retaining Rings - Stainless Steel	
4.67 (0.184")	4.88	11.68	1.58	RPO-047-049-C	Push On Retaining Rings - Carbon Steel	N1465-0018
4.75 (0.187")	4.80	9.83	1.02	RPO-047-048-C	Push On Retaining Rings - Carbon Steel	TY-018
4.75 (0.187")	4.80	9.83	1.02	RPO-047-048-SP15	Push On Retaining Rings - Stainless Steel	
4.75 (0.187")	4.80	9.83	1.02	RPO-048-048-SP15	Push On Retaining Rings - Stainless Steel	TY-018-SS
4.88 (0.192")	5.12	11.50	1.60	** RPO-049-051-C	Push On Retaining Rings - Carbon Steel	M1465-0050
4.98 (0.196")	5.00	15.00	3.50	* RPO-049-050-C	Push On Retaining Rings - Carbon Steel	
5.98 (0.235")	6.00	11.00	3.00	RPO-059-060-C	Push On Retaining Rings - Carbon Steel	
5.54 (0.235")	5.59	10.62	1.02	RPO-055-056-C	Push On Retaining Rings - Carbon Steel	
6.25 (0.246")	6.45	13.26	1.88	RPO-063-065-C	Push On Retaining Rings - Carbon Steel	N1465-0025
6.25 (0.246")	6.45	13.00	1.88	RPO-063-065-CZ	Push On Retaining Rings - Carbon Steel	
6.25 (0.246")	6.45	13.00	1.88	RPO-063-065-SP15	Push On Retaining Rings - Stainless Steel	
6.32 (0.249")	6.38	11.43	1.02	RPO-063-064-C	Push On Retaining Rings - Carbon Steel	
6.32 (0.249")	6.38	11.43	1.02	RPO-063-064-SP15	Push On Retaining Rings - Stainless Steel	
6.98 (0.275")	7.00	18.00	4.00	* RPO-069-070-C	Push On Retaining Rings - Carbon Steel	
7.82 (0.308")	8.03	14.83	1.88	RPO-078-080-C	Push On Retaining Rings - Carbon Steel	N1465-0031
7.82 (0.308")	8.03	15.00	1.88	RPO-078-080-SP15	Push On Retaining Rings - Stainless Steel	
7.82 (0.308")	8.03	15.00	1.88	RPO-078-080-CZ	Push On Retaining Rings - Carbon Steel	
7.88 (0.310")	8.12	14.80	2.00	RPO-079-081-C	Push On Retaining Rings - Carbon Steel	M1465-0080
7.90 (0.311")	7.95	13.00	1.02	RPO-079-080-C	Push On Retaining Rings - Carbon Steel	
7.90 (0.311")	7.95	13.00	1.02	RPO-079-080-SP15	Push On Retaining Rings - Stainless Steel	
7.90 (0.311")	7.95	15.29	1.88	RPO-079-080A-SP15	Push On Retaining Rings - Stainless Steel	6
8.95 (0.352")	9.00	18.44	1.02	RPO-089-090-SP15	Push On Retaining Rings - Stainless Steel	6
8.98 (0.354")	9.00	21.00	4.50	* RPO-089-090-C	Push On Retaining Rings - Carbon Steel	
9.42 (0.371")	9.63	16.38	1.88	RPO-094-096-C	Push On Retaining Rings - Carbon Steel	N1465-0037
9.42 (0.371")	9.63	16.00	1.88	RPO-094-096-SP15	Push On Retaining Rings - Stainless Steel	
9.50 (0.374")	9.55	14.61	1.02	RPO-095-096-C	Push On Retaining Rings - Carbon Steel	
9.50 (0.374")	9.55	14.61	1.02	RPO-095-096-SP15	Push On Retaining Rings - Stainless Steel	
9.50 (0.374")	9.55	18.40		RPO-095-096HD-SP15	Push On Retaining Rings - Stainless Steel	
9.88 (0.389")	10.12	16.00	2.40	RPO-099-101-C	Push On Retaining Rings - Carbon Steel	M1465-0100
9.98 (0.393")	10.00	22.00	4.50	* RPO-099-100-C	Push On Retaining Rings - Carbon Steel	
10.97 (0.432")	11.23	19.00	1.88	RPO-110-112-CZ	Push On Retaining Rings - Carbon Steel	
10.97 (0.432")	11.23	19.00	1.88	RPO-110-112-SP15	Push On Retaining Rings - Stainless Steel	
10.97 (0.432")	11.23	19.46	2.29	RPO-110-112-C	Push On Retaining Rings - Carbon Steel	
11.10 (0.437")	11.15	16.21	1.52	RPO-111-112-C	Push On Retaining Rings - Carbon Steel	
11.88 (0.468")	12.12	18.00	2.40	** RPO-119-121-C	Push On Retaining Rings - Carbon Steel	M1465-0120
12.57 (0.495")	12.83	21.00	2.29	RPO-126-128-CZ	Push On Retaining Rings - Carbon Steel	
12.65 (0.498")	12.75	19.05	1.52	RPO-126-128-C	Push On Retaining Rings - Carbon Steel	N1465-0050

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Push On Rings

Min shaft size (s1) mm (in.)	Max Shaft Size (s2) (mm)	Outside diameter (D1) (mm)	Min shaft extension (n1) (mm)	Part Number	Description
12.65 (0.498")	12.75	19.05	1.52	RPO-126-128-CZY	Push On Retaining Rings - Carbon Steel <i>Zinc Plated, Yellow</i>
12.65 (0.498")	12.75	19.05	1.52	RPO-126-128-SP15	Push On Retaining Rings - Stainless Steel
13.85 (0.545")	14.15	20.50	2.80	* RPO-139-142-C	Push On Retaining Rings - Carbon Steel
14.15 (0.557")	14.40	23.00	2.74	RPO-142-144-C	Push On Retaining Rings - Carbon Steel
14.22 (0.560")	14.33	20.62	1.52	RPO-142-143-C	Push On Retaining Rings - Carbon Steel
14.85 (0.585")	15.15	23.00	2.80	* RPO-149-152-C	Push On Retaining Rings - Carbon Steel <i>M1465-0150</i>
15.75 (0.620")	16.00	24.16	2.74	RPO-158-160-C	Push On Retaining Rings - Carbon Steel <i>N1465-0062</i>
15.75 (0.620")	16.00	24.00	2.74	RPO-158-160-CZ	Push On Retaining Rings - Carbon Steel
15.82 (0.623")	15.93	22.23	1.52	RPO-158-159-C	Push On Retaining Rings - Carbon Steel
15.82 (0.623")	15.93	22.23	1.52	RPO-158-159-SP15	Push On Retaining Rings - Stainless Steel
15.85 (0.624")	16.15	24.50	2.80	* RPO-159-162-C	Push On Retaining Rings - Carbon Steel <i>M1465-0160</i>
16.85 (0.663")	17.15	26.00	2.80	* RPO-169-172-C	Push On Retaining Rings - Carbon Steel <i>M1465-0170</i>
17.85 (0.703")	18.15	27.00	3.20	* RPO-179-182-C	Push On Retaining Rings - Carbon Steel <i>M1465-0180</i>
18.92 (0.745")	19.18	27.33	2.74	RPO-189-192-C	Push On Retaining Rings - Carbon Steel <i>N1465-0075</i>
18.92 (0.745")	19.18	27.00	2.74	RPO-189-192-SP15	Push On Retaining Rings - Stainless Steel
19.00 (0.748")	19.10	25.40	1.52	RPO-190-191-C	Push On Retaining Rings - Carbon Steel
19.85 (0.781")	20.15	29.00	3.20	RPO-199-202-C	Push On Retaining Rings - Carbon Steel <i>M1465-0200</i>
21.85 (0.860")	22.15	31.00	3.20	* RPO-219-222-C	Push On Retaining Rings - Carbon Steel <i>M1465-0220</i>
22.10 (0.870")	22.35	30.56	2.74	RPO-221-224-C	Push On Retaining Rings - Carbon Steel <i>N1465-0087</i>
22.17 (0.873")	22.28	28.58	1.52	RPO-222-223-C	Push On Retaining Rings - Carbon Steel
24.85 (0.978")	25.15	34.00	3.20	** RPO-249-252-C	Push On Retaining Rings - Carbon Steel <i>M1465-0250</i>
25.35 (0.998")	25.45	31.75	1.52	RPO-253-255-C	Push On Retaining Rings - Carbon Steel <i>N1465-0100</i>
25.35 (0.998")	25.45	31.75	1.52	RPO-253-255-SP15	Push On Retaining Rings - Stainless Steel
27.85 (1.096")	28.15	37.00	3.60	* RPO-279-282-C	Push On Retaining Rings - Carbon Steel <i>M1465-0280</i>
29.85 (1.175")	30.15	40.00	3.60	RPO-299-302-C	Push On Retaining Rings - Carbon Steel <i>M1465-0300</i>

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NOTES



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Push-On & Push-In Rings