

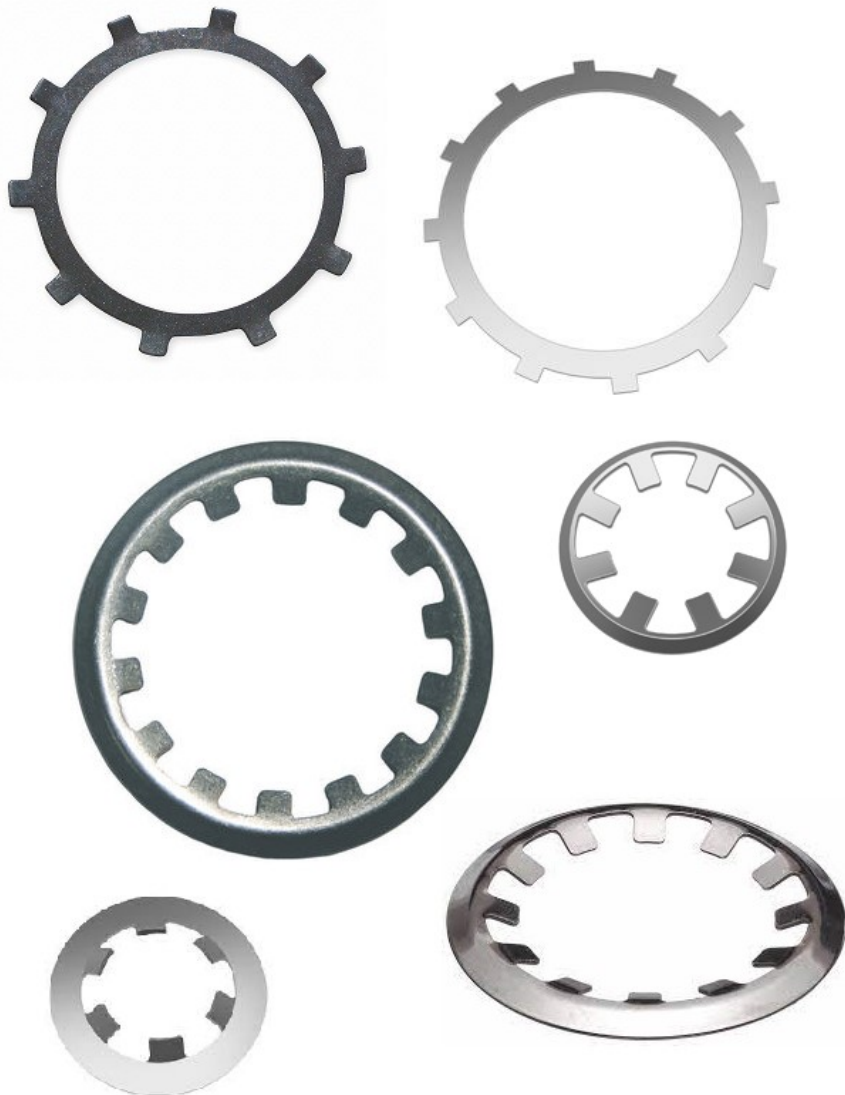
# MBA

## 2023.2

### 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.**

<b>Push In Rings</b>						
Housing Bore (B) Min mm (in.)	Housing Bore (B) Max (mm)	Inside Clearance (D1) (mm)		Part Number	Description	
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

<b>Push On Rings</b>						
Min shaft size (s1) mm (in.)	Max Shaft Size (s2) (mm)	Outside diameter (D1) (mm)	Min shaft extension (n1) (mm)	Part Number	Description	
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	

Usually stocked or Short Delivery  
 \*\* Available while stocks last \*\*



Long Delivery or Large Minimum Quantities  
 Not in current production



<b>Push On Rings</b>						
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-CZ	Push On Retaining Rings - Carbon Steel	
7.82 (0.308")	8.03	15.00	1.88	RPO-078-080-SP15	Push On Retaining Rings - Stainless 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	Number of prongs: 6
8.95 (0.352")	9.00	18.44	1.02	RPO-089-090-SP15	Push On Retaining Rings - Stainless Steel	Number of prongs: 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-CZY	Push On Retaining Rings - Carbon Steel	Other: Zinc Plated, Yellow

Usually stocked or Short Delivery  
 \*\* Available while stocks last \*\*

Long Delivery or Large Minimum Quantities  
 Not in current production

<b>Push On Rings</b>						
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-SP15	Push On Retaining Rings - Stainless Steel	
12.65 (0.498")	12.75	19.05	1.52	RPO-126-128-C	Push On Retaining Rings - Carbon Steel	N1465-0050
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	M1465-0150
15.75 (0.620")	16.00	24.16	2.74	RPO-158-160-C	Push On Retaining Rings - Carbon Steel	N1465-0062
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	M1465-0160
16.85 (0.663")	17.15	26.00	2.80	RPO-169-172-C	Push On Retaining Rings - Carbon Steel	M1465-0170
17.85 (0.703")	18.15	27.00	3.20	RPO-179-182-C	Push On Retaining Rings - Carbon Steel	M1465-0180
18.92 (0.745")	19.18	27.33	2.74	RPO-189-192-C	Push On Retaining Rings - Carbon Steel	N1465-0075
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	M1465-0200
21.85 (0.860")	22.15	31.00	3.20	RPO-219-222-C	Push On Retaining Rings - Carbon Steel	M1465-0220
22.10 (0.870")	22.35	30.56	2.74	RPO-221-224-C	Push On Retaining Rings - Carbon Steel	N1465-0087
22.17 (0.873")	22.28	28.58	1.52	RPO-222-223-C	Push On Retaining Rings - Carbon Steel	
25.35 (0.998")	25.45	31.75	1.52	RPO-253-255-C	Push On Retaining Rings - Carbon Steel	N1465-0100
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	M1465-0280
29.85 (1.175")	30.15	40.00	3.60	RPO-299-302-C	Push On Retaining Rings - Carbon Steel	M1465-0300

 Usually stocked or Short Delivery  
 \*\* Available while stocks last \*\*

 Long Delivery or Large Minimum Quantities  
 Not in current production

# NOTES



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# Push-On & Push-In Rings