



MBA

2023.3

Circlip and E-Clip Range

Carbon Steel - Stainless Steel - Zinc Plated

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

Pages

- E-Clips **55 to 61**
- External Circlips **3 to 31**
- Internal Circlips **31 to 54**

For convenience, these listings combine the following types...

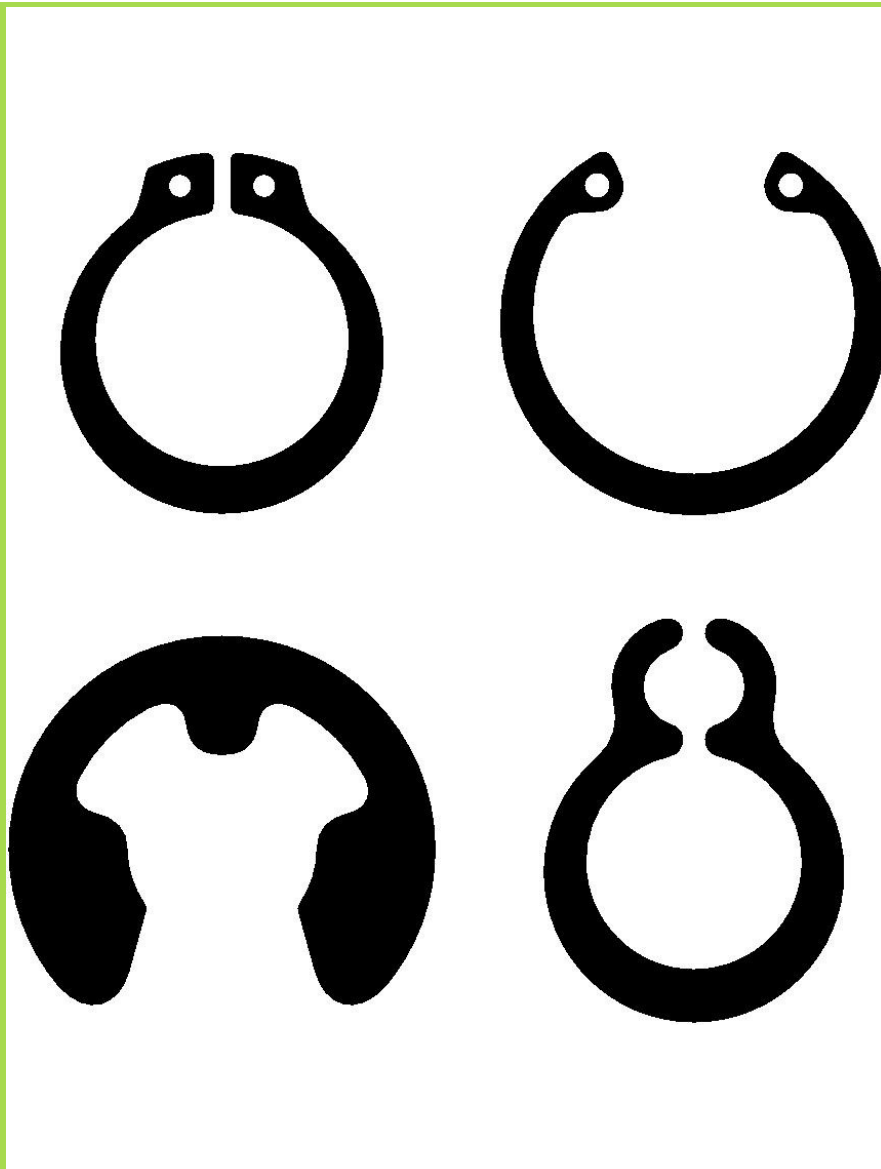
- Imperial
- Metric
- Inverted
- Bevelled
- Bowed
- Stainless Steel
- Carbon Steel
- Zinc Plated
- Beryllium Copper
- Heavy Duty

The following styles are NOT INCLUDED in the listings but may also be available...

- Grooveless
- Tabbled

Separate Catalogue for:

- Snap Rings
- Wire Rings
- Spiral Rings



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

CCE - 00397 - C

1

2

3

1 Type:

CCE: Circlip External
CEB: Circlip External Bevelled

CCI: Circlip Internal
CIB: Circlip Internal Bevelled

ECL: Eclip
ECB: Eclip Bowed

3 Material:

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

Size:

2 External Circlips: Shaft Size
(eg 00397 = 3.97mm, 01588 = 15.88mm)

Internal Circlips: Housing Bore Size
(eg 01588 = 15.88mm, 10000 = 100mm)

E-Clips: Groove-Shaft
(eg 0024-0032 = 2.4mm Groove Dia / 3.2mm Rec. Shaft)

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

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

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
3.00 (0.118")	0.40 +0.00/-0.04	2.80 +0.00/-0.05	2.70	CCE-00300-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A3X0.4, MD0471MQB003</i>	
3.18 (0.125")	0.25 +/-0.038	2.97 +/-0.025	2.80	CCE-00318-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0012</i>	
3.18 (0.125")	0.25 +/-0.038	2.97 +/-0.025	2.84	CCE-00318-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0012BC, A1/8X.011IN</i>	
3.18 (0.125")	0.25 +/-0.038	2.97 +/-0.025	2.80	CCE-00318-BZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Beryllium Copper: N1400-0012BCZ</i>	
3.97 (0.156")	0.30 +/-0.038	3.71 +/-0.025	3.60	CCE-00397-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0015BC</i>	
3.97 (0.156")	0.30 +/-0.038	3.71 +/-0.025	3.60	CCE-00397-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0015, A 9Q27-015</i>	
3.97 (0.156")	0.30 +/-0.038	3.71 +/-0.025	3.60	CCE-00397-BZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Beryllium Copper: N1400-0015BCZ</i>	
3.97 (0.156")	0.30 +/-0.038	3.71 +/-0.025	3.60	** CCE-00397-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0015AZD</i>	
4.00 (0.157")	0.40 +0.00/-0.04	3.80 +0.00/-0.05	3.70	CCE-00400-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A4X0.4, D1400-0040</i>	
4.00 (0.157")	0.40 +0.00/-0.04	3.80 +0.00/-0.05	3.70	CCE-00400-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A4X0.4-411, D1400-0040KSF, CX-4S</i>	
4.78 (0.188")	0.38 +/-0.038	4.45 +/-0.051	4.27	CCE-00478-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0018BC</i>	
4.78 (0.188")	0.38 +/-0.038	4.45 +/-0.051	4.27	CCE-00478-C	Circlips - External - Standard - Carbon Steel <i>Carbon Steel: N1400-0018, A 9Q27-018, A3/16X.015IN</i>	
4.78 (0.188")	0.38 +/-0.038	4.45 +/-0.051	4.30	CCE-00478-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0018AZD</i>	
5.00 (0.197")	0.60 +0.00/-0.04	4.78 +0.00/-0.05	4.70	CCE-00500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A5X0.6, D1400-0050</i>	
5.00 (0.197")	0.60 +0.00/-0.04	4.78 +0.00/-0.05	4.70	CCE-00500-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A5X0.6-411, D1400-0050KSF</i>	
5.01 (0.197")	0.38 +/-0.038	4.78 +/-0.051	4.60	CCE-00501-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0019BC</i>	
5.01 (0.197")	0.40 +/-0.038	4.78 +/-0.051	4.60	CCE-00501-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0019</i>	
5.56 (0.219")	0.40 +/-0.038	5.21 +/-0.051	5.00	CCE-00556-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0022BC, A 9Q27-021</i>	
5.56 (0.219")	0.40 +/-0.038	5.21 +/-0.051	5.00	CCE-00556-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0022</i>	
5.95 (0.234")	0.40 +/-0.038	5.60 +/-0.051	5.50	CCE-00595-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0023BC</i>	
5.95 (0.234")	0.40 +/-0.038	5.60 +/-0.051	5.50	CCE-00595-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0023</i>	
6.00 (0.236")	0.70 +0.00/-0.04	5.70 +0.00/-0.05	5.60	CCE-00600-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A6X0.7, D1400-0060</i>	
6.00 (0.236")	0.70 +0.00/-0.04	5.70 +0.00/-0.05	5.60	CCE-00600-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A6X0.7-411, D1400-0060KSF, CX-6S</i>	
6.35 (0.250")	0.64 +/-0.038	5.84 +/-0.051	5.72	CCE-00635-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0025BC</i>	
6.35 (0.250")	0.64 +/-0.038	5.84 +/-0.051	5.72	CCE-00635-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0025</i>	
6.35 (0.250")	0.64 +/-0.038	5.84 +/-0.051	5.72	CCE-00635-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0025KSF, S73HW2-100-025</i>	
6.35 (0.250")	0.64 +/-0.038	5.84 +/-0.051	5.72	CCE-00635-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0025AZD</i>	
6.35 (0.250")	0.64 +/-0.038	5.84 +/-0.051	5.72	CCE-00635-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0025AZD</i>	
7.00 (0.276")	0.80 +0.00/-0.06	6.70 +0.00/-0.05	6.50	CCE-00700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A7X0.8, D1400-0070</i>	
7.00 (0.276")	0.80 +0.00/-0.06	6.70 +0.00/-0.05	6.50	CCE-00700-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A7X0.8-411, D1400-0070KSF, CX-7S</i>	
7.01 (0.276")	0.64 +/-0.051	6.48 +/-0.051	6.35	CCE-00701-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0027BC</i>	



Usually stocked or Short Delivery



** Available while stocks last **



Long Delivery or Large Minimum Quantities



Not in current production

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
7.01 (0.276")	0.64 +/-0.051	6.48 +/-0.051	6.35	CCE-00701-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0027</i>	
7.01 (0.276")	0.64 +/-0.051	6.48 +/-0.051	6.35	CCE-00701-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0027KSF, S73HW2-100-027</i>	
7.01 (0.276")	0.64 +/-0.051	6.48 +/-0.051	6.35	CCE-00701-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0027AZD</i>	
7.14 (0.281")	0.64 +/-0.051	6.63 +/-0.051	6.50	CCE-00714-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0028AZD</i>	
7.14 (0.281")	0.64 +/-0.051	6.63 +/-0.051	6.50	CCE-00714-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0028</i>	
7.14 (0.281")	0.64 +/-0.051	6.63 +/-0.051	6.50	CCE-00714-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0028KSF, S73HW2-100-028</i>	
7.94 (0.313")	0.64 +/-0.051	7.37 +/-0.051	7.14	CCE-00794-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0031</i>	
7.94 (0.313")	0.64 +/-0.051	7.37 +/-0.051	7.14	CCE-00794-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0031BC</i>	
7.94 (0.313")	0.64 +/-0.051	7.37 +/-0.051	7.14	CCE-00794-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0031KSF</i>	
7.94 (0.313")	0.64 +/-0.051	7.37 +/-0.051	7.14	CCE-00794-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0031AZD</i>	
7.94 (0.313")	0.64 +/-0.051	7.37 +/-0.051	7.14	CCE-00794-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0031AZD</i>	
8.00 (0.315")	0.80 +0.00/-0.06	7.60 +0.00/-0.05	7.40	CCE-00800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A8X0.8, D1400-0080</i>	
8.00 (0.315")	0.80 +0.00/-0.06	7.60 +0.00/-0.05	7.40	CCE-00800-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A8X0.8-411, D1400-0080KSF, CX-8S</i>	
8.74 (0.344")	0.64 +/-0.051	8.15 +/-0.051	7.85	CCE-00874-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0034</i>	
8.74 (0.344")	0.64 +/-0.051	8.15 +/-0.051	7.85	CCE-00874-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0034KSF, S73HW2-100-034</i>	
8.74 (0.344")	0.64 +/-0.051	8.20 +/-0.051	7.85	CCE-00874-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0034BC</i>	
8.74 (0.344")	0.64 +/-0.051	8.20 +/-0.051	7.85	CCE-00874-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0034AZD</i>	
8.99 (0.354")	0.64 +/-0.051	8.38 +/-0.051	8.13	CCE-00899-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0035</i>	
8.99 (0.354")	0.64 +/-0.051	8.38 +/-0.051	8.13	CCE-00899-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0035KSF, S73HW2-100-035</i>	
8.99 (0.354")	0.64 +/-0.051	8.40 +/-0.051	8.13	CCE-00899-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0035AZD</i>	
8.99 (0.354")	0.64 +/-0.051	8.40 +/-0.051	8.13	CCE-00899-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0035BC</i>	
9.00 (0.354")	1.00 +0.00/-0.06	8.60 +0.00/-0.06	8.40	CCE-00900-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A9X1, D1400-0090</i>	
9.00 (0.354")	1.00 +0.00/-0.06	8.60 +0.00/-0.06	8.40	CCE-00900-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A9X1-411, D1400-0090KSF, CX-9S</i>	
9.53 (0.375")	0.64 +/-0.051	8.90 +/-0.051	8.59	CCE-00953-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0037BC</i>	
9.53 (0.375")	0.64 +/-0.051	8.90 +/-0.051	8.59	CCE-00953-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0037AZD</i>	
9.53 (0.375")	0.64 +/-0.051	8.94 +/-0.051	8.59	CCE-00953-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0037</i>	
9.53 (0.375")	0.64 +/-0.051	8.94 +/-0.051	8.59	CCE-00953-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0037KSF, S73HW2-100-037</i>	
10.00 (0.394")	0.60 +0.00/-0.11	9.50 +0.00/-0.05	9.20	CCE-01000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0100, Seeger AV, Ellison EXTV</i>	
10.00 (0.394")	1.00 +0.00/-0.11	9.60 +0.00/-0.06	9.30	CCE-01000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A10X1, D1400-0100</i>	
10.00 (0.394")	1.00 +0.00/-0.11	9.60 +0.00/-0.06	9.30	CCE-01000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A10X1-411, D1400-0100KSF</i>	
10.00 (0.394")	1.00 +0.00/-0.11	9.60 +0.00/-0.06	9.30	CCE-01000-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: A10X1Z, D1400-0100AZD</i>	

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

Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
10.01 (0.394")	0.64 +/-0.051	9.37 +/-0.051	8.99	CCE-01001-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0039	
10.01 (0.394")	0.64 +/-0.051	9.37 +/-0.051	8.99	CCE-01001-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0039KSF, S73HW2-100-039	
10.01 (0.394")	0.64 +/-0.051	9.40 +/-0.051	8.99	CCE-01001-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0039AZD	
10.01 (0.394")	0.89 +0.025/-0.052	9.35 +/-0.051	9.20	CCE-01001H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0039, MIL-3217, Waldes 5160	
10.01 (0.394")	0.89 +0.025/-0.052	9.35 +/-0.051	9.20	CCE-01001H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0039KSR, MIL-3217, Waldes 5160	
10.32 (0.406")	0.64 +/-0.051	9.70 +/-0.051	9.30	CCE-01032-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0040	
10.32 (0.406")	0.64 +/-0.051	9.70 +/-0.051	9.30	CCE-01032-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0040KSF	
10.32 (0.406")	0.64 +/-0.051	9.70 +/-0.051	9.30	CCE-01032-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0040AZD	
10.87 (0.428")	0.89 +0.025/-0.052	10.21 +/-0.051	10.10	CCE-01087H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0042, MIL-3217, Waldes 5160	
10.87 (0.428")	0.89 +0.025/-0.052	10.21 +/-0.051	10.10	CCE-01087H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0042KSR, MIL-3217, Waldes 5160	
11.00 (0.433")	1.00 +0.00/-0.11	10.39 +0.00/-0.06	10.20	CCE-01100-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A11X1-411, D1400-0110KSF	
11.00 (0.433")	1.00 +0.00/-0.11	10.50 +0.00/-0.06	10.20	CCE-01100-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A11X1, D1400-0110	
11.11 (0.437")	0.64 +/-0.051	10.46 +/-0.051	10.03	CCE-01111-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0043	
11.11 (0.437")	0.64 +/-0.051	10.46 +/-0.051	10.03	CCE-01111-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0043KSF, S73HW2-100-043	
11.11 (0.437")	0.64 +/-0.051	10.46 +/-0.051	10.03	CCE-01111-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0043AZD	
11.11 (0.437")	0.64 +/-0.051	10.46 +/-0.051	10.03	CCE-01111-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0043AZD	
11.91 (0.469")	0.64 +/-0.051	11.25 +/-0.051	10.87	CCE-01191-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0046	
11.91 (0.469")	0.64 +/-0.051	11.25 +/-0.051	10.87	CCE-01191-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0046KSF, S73HW2-100-046	
11.91 (0.469")	0.64 +/-0.051	11.30 +/-0.051	10.87	CCE-01191-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0046AZD	
12.00 (0.472")	1.00 +0.00/-0.11	11.50 +0.00/-0.06	11.00	CCE-01200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A12X1, D1400-0120	
12.00 (0.472")	1.00 +0.00/-0.11	11.50 +0.00/-0.06	11.00	CCE-01200-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A12X1-411, D1400-0120KSF, CX-12S	
12.00 (0.472")	1.00 +0.00/-0.11	11.50 +0.00/-0.06	11.00	CCE-01200-C-V	Circlips - External - Inverted Spring Steel: M1408-0120, Seeger AV, Ellison EXTV	
12.00 (0.472")	1.50 +0.00/-0.11	11.50 +0.00/-0.06	11.00	CCE-01200H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0120, AS12X1.5	
12.01 (0.473")	1.07 +0.025/-0.052	11.28 +/-0.051	10.80	CCE-01201H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0047, MIL-3217, Waldes 5160	
12.70 (0.500")	0.89 +/- 0.051	11.89 +/- 0.051	11.71	CCE-01270-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0050KSF, MIL-16626, Waldes 5108	
12.70 (0.500")	0.89 +/- 0.051	11.89 +/- 0.051	11.71	CCE-01270-C-V	Circlips - External - Inverted Spring Steel: N1408-0050, MIL-16626, Waldes 5108	
12.70 (0.500")	0.89 +/-0.051	11.89 +/-0.051	11.71	CCE-01270-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0050BC	
12.70 (0.500")	0.89 +/-0.051	11.89 +/-0.051	11.71	CCE-01270-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0050	
12.70 (0.500")	0.89 +/-0.051	11.89 +/-0.051	11.71	CCE-01270-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0050KSF, S73HW2-100-050	
12.70 (0.500")	0.89 +/-0.051	11.89 +/-0.051	11.71	CCE-01270-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0050AZD	
12.70 (0.500")	0.89 +/-0.051	11.89 +/-0.051	11.71	CCE-01270-CZT	Circlips - External - Standard - Zinc Plated Trivalent Zinc Plated Carbon Spring Steel: N1400-0050AZD	

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

Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
12.70	(0.500") 0.89 +/-0.051	11.89 +/-0.051	11.71	CCE-01270-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0050AZD</i>	
12.70	(0.500") 1.27 +0.025/-0.052	11.89 +/-0.051	11.68	CCE-01270H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0050, MIL-3217, Waldes 5160</i>	
12.70	(0.500") 1.27 +0.025/-0.052	11.89 +/-0.051	11.68	CCE-01270H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0050KSR, MIL-3217, Waldes 5160</i>	
13.00	(0.512") 1.00 +0.00/-0.11	12.40 +0.00/-0.06	11.90	CCE-01300-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A13X1, D1400-0130</i>	
13.00	(0.512") 1.00 +0.00/-0.11	12.40 +0.00/-0.06	11.90	CCE-01300-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A13X1-411, D1400-0130KSF</i>	
13.00	(0.512") 1.00 +0.00/-0.11	12.40 +0.00/-0.06	11.90	CCE-01300-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0130, Seeger AV, Ellison EXTV</i>	
13.99	(0.551") 0.89 +/-0.051	13.18 +/-0.051	12.93	CCE-01399-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0055</i>	
13.99	(0.551") 0.89 +/-0.051	13.18 +/-0.051	12.93	CCE-01399-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0055KSF, S73HW2-100-055</i>	
13.99	(0.551") 0.89 +/-0.051	13.18 +/-0.051	12.93	CCE-01399-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0055AZD</i>	
14.00	(0.551") 1.00 +0.00/-0.11	13.40 +0.00/-0.06	12.90	CCE-01400-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A14X1, D1400-0140</i>	
14.00	(0.551") 1.00 +0.00/-0.11	13.40 +0.00/-0.06	12.90	CCE-01400-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A14X1-411, D1400-0140KSF, CX-14S</i>	
14.00	(0.551") 1.00 +0.00/-0.11	13.40 +0.00/-0.06	12.90	CCE-01400-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0140, Seeger AV, Ellison EXTV</i>	
14.29	(0.563") 0.89 +/-0.051	13.46 +/-0.051	13.20	CCE-01429-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0056BC</i>	
14.29	(0.563") 0.89 +/-0.051	13.46 +/-0.051	13.20	CCE-01429-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0056</i>	
14.29	(0.563") 0.89 +/-0.051	13.46 +/-0.051	13.20	CCE-01429-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0056KSF</i>	
14.29	(0.563") 0.89 +/-0.051	13.46 +/-0.051	13.20	CCE-01429-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0056AZD</i>	
14.29	(0.563") 0.89 +/-0.051	13.46 +/-0.051	13.23	CCE-01429-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0056, MIL-16626, Waldes 5108</i>	
15.00	(0.591") 1.00 +0.00/-0.11	14.30 +0.00/-0.06	13.80	CCE-01500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0150, Seeger AV, Ellison EXTV</i>	
15.00	(0.591") 1.00 +0.00/-0.11	14.30 +0.00/-0.06	13.80	CCE-01500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A15X1, D1400-0150</i>	
15.00	(0.591") 1.00 +0.00/-0.11	14.30 +0.00/-0.06	13.80	CCE-01500-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A15X1-411, D1400-0150KSF, CX-15S</i>	
15.00	(0.591") 1.50 +0.00/-0.11	14.20 +0.00/-0.06	13.70	CCE-01500HC-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
15.00	(0.591") 1.50 +0.00/-0.11	14.20 +0.00/-0.06	13.80	CCE-01500HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
15.00	(0.591") 1.50 +0.00/-0.11	14.20 +0.00/-0.06	13.80	CCE-01500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0150, AS15X1.5</i>	
15.09	(0.594") 0.89 +/-0.076	14.20 +/-0.051	13.97	CCE-01509-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0059, MIL-16626, Waldes 5108</i>	
15.09	(0.594") 0.89 +/-0.076	14.20 +/-0.051	13.97	CCE-01509-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0059</i>	
15.09	(0.594") 0.89 +/-0.076	14.20 +/-0.051	14.00	CCE-01509-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0059KSF</i>	
15.09	(0.594") 0.89 +/-0.076	14.20 +/-0.051	14.00	CCE-01509-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0059AZD</i>	
15.09	(0.594") 0.89 +/-0.076	14.20 +/-0.051	14.00	CCE-01509-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0059AZD</i>	
15.09	(0.594") 1.27 +0.025/-0.076	14.10 +/-0.051	13.97	CCE-01509H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0059, MIL-3217, Waldes 5160</i>	
15.09	(0.594") 1.27 +0.025/-0.076	14.10 +/-0.051	13.97	CCE-01509H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0059KSR, MIL-3217, Waldes 5160</i>	
15.88	(0.625") 0.89 +/-0.076	14.94 +/-0.051	14.70	CCE-01588-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0062BC</i>	

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
15.88 (0.625")	0.89 +/-0.076	14.94 +/-0.051	14.70	CCE-01588-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0062AZD</i>	
15.88 (0.625")	0.89 +/-0.076	14.94 +/-0.051	14.71	CCE-01588-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0062</i>	
15.88 (0.625")	0.89 +/-0.076	14.94 +/-0.051	14.71	CCE-01588-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0062KSF, S73HW2-100-062</i>	
15.88 (0.625")	1.07 +/- 0.076	14.94 +/- 0.051	14.71	CCE-01588-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0062, MIL-16626, Waldes 5108</i>	
15.88 (0.625")	1.07 +/- 0.076	14.94 +/- 0.051	14.71	CCE-01588-CZY-V	Circlips - External - Standard - Zinc Plated <i>Zinc Plated, Yellow, Spring Steel: N1408-0062AZD, MIL-16626, Waldes 5108</i>	
15.88 (0.625")	1.27 +0.025/-0.076	14.94 +/-0.051	14.61	CCE-01588H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0062, MIL-3217, Waldes 5160</i>	
15.88 (0.625")	1.27 +0.025/-0.076	14.94 +/-0.051	14.61	CCE-01588H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0062KSR, MIL-3217, Waldes 5160</i>	
15.88 (0.625")	1.27 +0.025/-0.076	14.94 +/-0.051	14.61	CCE-01588H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0062AZD, MIL-3217, Waldes 5160</i>	
16.00 (0.630")	1.00 +0.00/-0.11	15.20 +0.00/-0.06	14.70	CCE-01600-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0160, Seeger AV, Ellison EXTV</i>	
16.00 (0.630")	1.00 +0.00/-0.11	15.20 +0.00/-0.06	14.70	CCE-01600-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A16X1, D1400-0160</i>	
16.00 (0.630")	1.00 +0.00/-0.11	15.20 +0.00/-0.06	14.70	CCE-01600-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A16X1-411, D1400-0160KSF, CX-16S</i>	
16.00 (0.630")	1.50 +0.00/-0.11	15.10 +0.00/-0.06	14.60	CCE-01600HB-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
16.00 (0.630")	1.50 +0.00/-0.11	15.20 +0.00/-0.06	14.70	CCE-01600H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0160, AS16X1.5</i>	
16.00 (0.630")	1.50 +0.00/-0.11	15.20 +0.00/-0.06	14.70	CCE-01600HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
16.99 (0.669")	1.27 +0.025/-0.076	15.98 +/-0.051	15.65	CCE-01699H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0066, MIL-3217, Waldes 5160</i>	
16.99 (0.669")	1.27 +0.025/-0.076	15.98 +/-0.051	15.65	CCE-01699H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0066KSR, MIL-3217, Waldes 5160</i>	
17.00 (0.669")	1.00 +0.00/-0.11	16.20 +0.00/-0.06	15.70	CCE-01700-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0170, Seeger AV, Ellison EXTV</i>	
17.00 (0.669")	1.00 +0.00/-0.11	16.20 +0.00/-0.06	15.70	CCE-01700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A17X1, D1400-0170</i>	
17.00 (0.669")	1.00 +0.00/-0.11	16.20 +0.00/-0.06	15.70	CCE-01700-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A17X1-411, D1400-0170KSF, CX-17S</i>	
17.00 (0.669")	1.50 +0.00/-0.11	16.00 +0.00/-0.06	15.60	CCE-01700HB-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
17.00 (0.669")	1.50 +0.00/-0.11	16.20 +0.00/-0.06	15.70	CCE-01700H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0170, AS17X1.5</i>	
17.07 (0.672")	0.89 +/-0.076	16.03 +/-0.051	15.77	CCE-01707-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0066</i>	
17.07 (0.672")	0.89 +/-0.076	16.03 +/-0.051	15.80	CCE-01707-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0066KSF</i>	
17.07 (0.672")	0.89 +/-0.076	16.03 +/-0.051	15.80	CCE-01707-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0066AZD</i>	
17.46 (0.687")	1.07 +/-0.076	16.41 +/-0.051	16.10	CCE-01746-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0068BC</i>	
17.46 (0.687")	1.07 +/-0.076	16.41 +/-0.051	16.10	CCE-01746-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0068AZD</i>	
17.46 (0.687")	1.07 +/- 0.076	16.41 +/- 0.051	16.13	CCE-01746-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0068KSF, MIL-16626, Waldes 5108</i>	
17.46 (0.687")	1.07 +/-0.076	16.41 +/-0.051	16.13	CCE-01746-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0068, A-11/16</i>	
17.46 (0.687")	1.07 +/-0.076	16.41 +/-0.051	16.13	CCE-01746-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0068KSF, S73HW2-100-068</i>	
18.00 (0.709")	1.20 +0.00/-0.11	17.00 +0.00/-0.06	16.50	CCE-01800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A18X1.2, D1400-0180</i>	
18.00 (0.709")	1.20 +0.00/-0.11	17.00 +0.00/-0.06	16.50	CCE-01800-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A18X1.2-411, D1400-0180KSF, CX-18S</i>	

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

Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
18.00 (0.709")	1.20 +0.00/-0.11	17.00 +0.00/-0.06	16.50	CCE-01800-C-V	Circlips - External - Inverted Spring Steel: M1408-0180, Seeger AV, Ellison EXTV	
18.00 (0.709")	1.50 +0.00/-0.11	16.80 +0.00/-0.06	16.30	CCE-01800HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
18.00 (0.709")	1.50 +0.00/-0.11	17.00 +0.00/-0.06	16.50	CCE-01800H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0180, AS18X1.5	
19.00 (0.748")	1.20 +0.00/-0.11	17.89 +0.00/-0.06	17.50	CCE-01900-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A19X1.2-411, D1400-0190KSF	
19.00 (0.748")	1.20 +0.00/-0.11	18.00 +0.00/-0.06	17.50	CCE-01900-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A19X1.2, D1400-0190	
19.00 (0.748")	1.50 +0.00/-0.11	17.80 +0.00/-0.06	17.50	CCE-01900HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
19.00 (0.748")	1.50 +0.00/-0.11	17.80 +0.00/-0.06	17.50	CCE-01900H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0190, AS19X1.5	
19.05 (0.750")	1.07 +/- 0.076	17.88 +/- 0.051	17.60	CCE-01905-C-V	Circlips - External - Inverted Spring Steel: N1408-0075, MIL-16626, Waldes 5108	
19.05 (0.750")	1.07 +/- 0.076	17.88 +/- 0.051	17.60	CCE-01905-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0075KSF, MIL-16626, Waldes 5108	
19.05 (0.750")	1.07 +/-0.076	17.88 +/-0.051	17.60	CCE-01905-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0075	
19.05 (0.750")	1.07 +/-0.076	17.88 +/-0.051	17.60	CCE-01905-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0075KSF, S73HW2-100-075	
19.05 (0.750")	1.07 +/-0.076	17.88 +/-0.051	17.60	CCE-01905-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0075AZD	
19.05 (0.750")	1.07 +/-0.076	17.88 +/-0.051	17.60	CCE-01905-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0075AZD	
19.05 (0.750")	1.07 +/-0.076	17.88 +/-0.051	17.60	CCE-01905-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0075BC	
19.05 (0.750")	1.98 +0.025/-0.076	17.88 +/-0.076	17.50	CCE-01905H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0075, MIL-3217, Waldes 5160	
19.05 (0.750")	1.98 +0.025/-0.076	17.88 +/-0.076	17.50	CCE-01905H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0075KSR, MIL-3217, Waldes 5160	
19.05 (0.750")	1.98 +0.025/-0.076	17.88 +/-0.076	17.50	CCE-01905H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0075AZD, MIL-3217, Waldes 5160	
19.84 (0.781")	1.07 +/-0.076	18.62 +/-0.051	18.30	CCE-01984-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0078KSF	
19.84 (0.781")	1.07 +/-0.076	18.62 +/-0.051	18.30	CCE-01984-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0078AZD	
19.84 (0.781")	1.07 +/- 0.076	18.62 +/- 0.051	18.34	CCE-01984-C-V	Circlips - External - Inverted Spring Steel: N1408-0078, MIL-16626, Waldes 5108	
19.84 (0.781")	1.07 +/-0.076	18.62 +/-0.051	18.34	CCE-01984-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0078	
20.00 (0.787")	1.20 +0.00/-0.15	19.00 +0.00/-0.06	18.50	CCE-02000-C-V	Circlips - External - Inverted Spring Steel: M1408-0200, Seeger AV, Ellison EXTV	
20.00 (0.787")	1.20 +0.00/-0.13	19.00 +0.00/-0.06	18.50	CCE-02000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A20X1.2, D1400-0200	
20.00 (0.787")	1.20 +0.00/-0.13	19.00 +0.00/-0.06	18.50	CCE-02000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A20X1.2-411, D1400-0200KSF, CX-20S	
20.00 (0.787")	1.20 +0.00/-0.13	19.00 +0.00/-0.06	18.50	CCE-02000-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: A20X1.2Z, D1400-0200AZD	
20.00 (0.787")	1.75 +0.00/-0.15	18.80 +0.00/-0.06	18.30	CCE-02000HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
20.00 (0.787")	1.75 +0.00/-0.15	18.90 +0.00/-0.06	18.40	CCE-02000HC-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
20.00 (0.787")	1.75 +0.00/-0.15	19.00 +0.00/-0.06	18.50	CCE-02000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0200, AS20X1.8	
20.64 (0.813")	1.07 +/- 0.076	19.35 +/- 0.051	19.10	CCE-02064-C-V	Circlips - External - Inverted Spring Steel: N1408-0081, MIL-16626, Waldes 5108	
20.64 (0.813")	1.07 +/-0.076	19.36 +/-0.051	19.10	CCE-02064-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0081	
20.64 (0.813")	1.07 +/-0.076	19.36 +/-0.051	19.10	CCE-02064-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0081KSF	

Usually stocked or Short Delivery
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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
20.64 (0.813")	1.07 +/-0.076	19.36 +/-0.051	19.10	CCE-02064-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0081AZD</i>	
21.00 (0.827")	1.20 +0.00/-0.13	20.00 +0.00/-0.06	19.50	CCE-02100-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A21X1.2, D1400-0210</i>	
21.00 (0.827")	1.20 +0.00/-0.15	20.00 +0.00/-0.06	19.35	CCE-02100-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0210, Seeger AV, Ellison EXTV</i>	
21.43 (0.844")	1.07 +/-0.076	20.10 +/-0.051	19.80	CCE-02143-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0084</i>	
21.43 (0.844")	1.07 +/-0.076	20.10 +/-0.051	19.80	CCE-02143-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0084KSF</i>	
21.43 (0.844")	1.07 +/-0.076	20.10 +/-0.051	19.80	CCE-02143-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0084AZD</i>	
22.00 (0.866")	1.20 +0.00/-0.13	21.00 +0.00/-0.06	20.50	CCE-02200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A22X1.2, D1400-0220</i>	
22.00 (0.866")	1.20 +0.00/-0.13	21.00 +0.00/-0.06	20.50	CCE-02200-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A22X1.2-411, D1400-0220KSF, CX-22S</i>	
22.00 (0.866")	1.20 +0.00/-0.15	21.00 +0.00/-0.06	20.50	CCE-02200-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0220, Seeger AV, Ellison EXTV</i>	
22.00 (0.866")	1.75 +0.00/-0.15	20.80 +0.00/-0.06	20.30	CCE-02200HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
22.00 (0.866")	1.75 +0.00/-0.15	21.00 +0.00/-0.06	20.50	CCE-02200H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0220, AS22X1.8</i>	
22.23 (0.875")	1.07 +/- 0.076	20.85 +/- 0.051	20.57	CCE-02223-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0087, MIL-16626, Waldes 5108</i>	
22.23 (0.875")	1.07 +/- 0.076	20.85 +/- 0.051	20.57	CCE-02223-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0087KSF, MIL-16626, Waldes 5108</i>	
22.23 (0.875")	1.07 +/-0.076	20.85 +/-0.051	20.57	CCE-02223-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0087BC</i>	
22.23 (0.875")	1.07 +/-0.076	20.85 +/-0.051	20.57	CCE-02223-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0087</i>	
22.23 (0.875")	1.07 +/-0.076	20.85 +/-0.051	20.57	CCE-02223-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0087KSF, S73HW2-100-087</i>	
22.23 (0.875")	1.07 +/-0.076	20.85 +/-0.051	20.57	CCE-02223-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0087AZD</i>	
22.23 (0.875")	1.07 +/-0.076	20.85 +/-0.051	20.57	CCE-02223-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0087AZD</i>	
22.23 (0.875")	1.98 +0.025/-0.076	20.85 +/-0.076	20.42	CCE-02223H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0087, MIL-3217, Waldes 5160</i>	
22.23 (0.875")	1.98 +0.025/-0.076	20.85 +/-0.076	20.42	CCE-02223H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0087KSR, MIL-3217, Waldes 5160</i>	
22.23 (0.875")	1.98 +0.025/-0.076	20.85 +/-0.076	20.42	CCE-02223H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0087AZD, MIL-3217, Waldes 5160</i>	
23.00 (0.906")	1.20 +0.00/-0.15	22.00 +0.00/-0.06	21.50	CCE-02300-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0230, Seeger AV, Ellison EXTV</i>	
23.00 (0.906")	1.20 +0.00/-0.15	22.00 +0.00/-0.06	21.50	CCE-02300-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A23X1.2, D1400-0230</i>	
23.00 (0.906")	1.20 +0.00/-0.21	22.00 +0.00/-0.06	21.50	CCE-02300-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A23X1.2-411, D1400-0230KSF</i>	
23.00 (0.906")	1.20 +0.00/-0.21	22.00 +0.00/-0.06	21.50	CCE-02300-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: A23X1.2Z, D1400-0230</i>	
23.00 (0.906")	1.75 +0.00/-0.15	21.80 +0.00/-0.06	21.30	CCE-02300H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0230, AS23X1.8</i>	
23.81 (0.937")	1.07 +/-0.076	22.40 +/-0.051	22.00	CCE-02381-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0093</i>	
23.81 (0.937")	1.07 +/-0.076	22.40 +/-0.051	22.00	CCE-02381-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0093KSF</i>	
23.81 (0.937")	1.07 +/-0.076	22.40 +/-0.051	22.00	CCE-02381-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0093AZD</i>	
23.81 (0.937")	1.07 +/- 0.076	22.40 +/- 0.051	22.02	CCE-02381-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0093KSF, MIL-16626, Waldes 5108</i>	
24.00 (0.945")	1.20 +0.00/-0.21	22.90 +0.00/-0.06	22.20	CCE-02400-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0240, Seeger AV, Ellison EXTV</i>	

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

Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
24.00 (0.945")	1.20 +0.00/-0.21	22.90 +0.00/-0.06	22.20	CCE-02400-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A24X1.2, D1400-0240	
24.00 (0.945")	1.20 +0.00/-0.21	22.90 +0.00/-0.06	22.20	CCE-02400-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A24X1.2, D1400-0240KSF, CX-24S	
24.00 (0.945")	1.75 +0.00/-0.21	22.70 +0.00/-0.06	22.00	CCE-02400HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
24.00 (0.945")	1.75 +0.00/-0.21	22.90 +0.00/-0.06	22.20	CCE-02400H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0240, AS24X1.8	
24.99 (0.984")	1.07 +/-0.076	23.52 +/-0.051	23.10	CCE-02499-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0098	
24.99 (0.984")	1.07 +/-0.076	23.52 +/-0.051	23.10	CCE-02499-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0098KSF	
24.99 (0.984")	1.07 +/-0.076	23.52 +/-0.051	23.10	CCE-02499-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0098AZD	
24.99 (0.984")	1.98 +0.025/-0.076	23.52 +/-0.076	23.01	CCE-02499H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0098, MIL-3217, Waldes 5160	
24.99 (0.984")	2.00 +0.025/-0.076	23.50 +/-0.076	22.90	CCE-02499H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0098KSR, MIL-3217, Waldes 5160	
24.99 (0.984")	2.00 +0.025/-0.076	23.50 +/-0.076	22.90	CCE-02499H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0098AZD, MIL-3217, Waldes 5160	
25.00 (0.984")	1.20 +0.00/-0.21	23.90 +0.00/-0.06	23.20	CCE-02500-C-V	Circlips - External - Inverted Spring Steel: M1408-0250, Seeger AV, Ellison EXTV	
25.00 (0.984")	1.20 +0.00/-0.21	23.90 +0.00/-0.06	23.20	CCE-02500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A25X1.2, D1400-0250	
25.00 (0.984")	1.20 +0.00/-0.21	23.90 +0.00/-0.06	23.20	CCE-02500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A25X1.2-411, D1400-0250KSF, CX-25S	
25.00 (0.984")	1.20 +0.00/-0.21	23.90 +0.00/-0.06	23.20	CCE-02500-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: A25X1.2Z, D1400-0250	
25.00 (0.984")	1.50 +0.00/-0.21	23.70 +0.00/-0.07	23.00	CCE-02500HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
25.00 (0.984")	2.00 +0.00/-0.21	23.90 +0.00/-0.07	23.20	CCE-02500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0250, AS25X2	
25.40 (1.000")	1.07 +/- 0.076	23.52 +/- 0.051	23.50	CCE-02540-C-V	Circlips - External - Inverted Spring Steel: N1408-0100, MIL-16626, Waldes 5108	
25.40 (1.000")	1.07 +/- 0.076	23.52 +/- 0.051	23.50	CCE-02540-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0100KSF, MIL-16626, Waldes 5108	
25.40 (1.000")	1.07 +0.00/-0.08	23.62 +/-0.05	23.24	CEB-02540-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0100, MIL-16630, Waldes 5102	
25.40 (1.000")	1.07 +/-0.076	23.88 +/-0.051	23.50	CCE-02540-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0100BC	
25.40 (1.000")	1.07 +/-0.076	23.88 +/-0.051	23.50	CCE-02540-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0100	
25.40 (1.000")	1.07 +/-0.076	23.88 +/-0.051	23.50	CCE-02540-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0100KSF, S73HW2-100-100	
25.40 (1.000")	1.07 +/-0.076	23.88 +/-0.051	23.50	CCE-02540-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0100AZD	
25.40 (1.000")	1.07 +/-0.076	23.88 +/-0.051	23.50	CCE-02540-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0100AZD	
25.40 (1.000")	1.98 +0.025/-0.076	23.88 +/-0.076	23.01	CCE-02540H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0100, MIL-3217, Waldes 5160	
25.98 (1.023")	1.07 +0.00/-0.08	24.16 +/-0.05	23.77	CEB-02598-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0102, MIL-16630, Waldes 5102	
25.98 (1.023")	1.07 +/-0.076	24.40 +/-0.051	24.00	CCE-02598-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0102KSF	
25.98 (1.023")	1.07 +/-0.076	24.40 +/-0.051	24.00	CCE-02598-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0102AZD	
25.98 (1.023")	1.07 +/-0.076	24.41 +/-0.051	24.03	CCE-02598-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0102	
26.00 (1.024")	1.20 +0.00/-0.21	24.90 +0.00/-0.06	24.20	CCE-02600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A26X1.2, D1400-0260	
26.00 (1.024")	1.20 +0.00/-0.21	24.90 +0.00/-0.06	24.20	CCE-02600-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A26X1.2-411, D1400-0260KSF, CX-26S	

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Long Delivery or Large Minimum Quantities
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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
26.00 (1.024")	1.50 +0.00/-0.21	24.90 +0.00/-0.06	24.20	CCE-02600-C-V	Circlips - External - Inverted Spring Steel: M1408-0260, Seeger AV, Ellison EXTV	
26.00 (1.024")	2.00 +0.21/-0.42	24.40 +0.00/-0.07	23.60	CCE-02600H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0260, Rotorclip BE, MIL 16634	
26.99 (1.063")	1.27 +0.00/-0.10	25.20 +/-0.05	24.56	CEB-02699-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0106, MIL-16630, Waldes 5102	
26.99 (1.063")	1.27 +/- 0.102	25.35 +/- 0.051	24.94	CCE-02697-C-V	Circlips - External - Inverted Spring Steel: N1408-0106, MIL-16626, Waldes 5108	
26.99 (1.063")	1.30 +/-0.102	25.40 +/-0.051	24.90	CCE-02699-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0106	
26.99 (1.063")	1.30 +/-0.102	25.40 +/-0.051	24.90	CCE-02699-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0106KSF	
26.99 (1.063")	1.30 +/-0.102	25.40 +/-0.051	24.90	CCE-02699-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0106AZD	
26.99 (1.063")	2.36 +0.051/-0.102	25.35 +/-0.076	24.84	CCE-02699H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0106, MIL-3217, Waldes 5160	
27.00 (1.063")	1.20 +0.00/-0.21	25.60 +0.00/-0.06	24.90	CCE-02700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A27X1.2, D1400-0270	
27.00 (1.063")	1.20 +0.00/-0.21	25.60 +0.00/-0.06	24.90	CCE-02700-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A27X1.2-411, D1400-0270KSF	
27.00 (1.063")	2.00 +0.00/-0.21	25.50 +0.00/-0.07	24.70	CCE-02700H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0270, AS27X2	
28.00 (1.102")	1.50 +0.00/-0.21	26.60 +0.00/-0.06	25.90	CCE-02800-C-V	Circlips - External - Inverted Spring Steel: M1408-0280, Seeger AV, Ellison EXTV	
28.00 (1.102")	1.50 +0.00/-0.21	26.60 +0.00/-0.06	25.90	CCE-02800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A28X1.5, D1400-0280	
28.00 (1.102")	1.50 +0.00/-0.21	26.60 +0.00/-0.06	25.90	CCE-02800-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A28X1.5-411, D1400-0280KSF	
28.00 (1.102")	2.00 +0.00/-0.21	26.40 +0.00/-0.07	25.50	CCE-02800HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
28.00 (1.102")	2.00 +0.00/-0.21	26.60 +0.00/-0.07	25.90	CCE-02800H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0280, AS28X2	
28.58 (1.125")	1.27 +0.00/-0.10	26.70 +/-0.05	26.06	CEB-02858-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0112, MIL-16630, Waldes 5102	
28.58 (1.125")	1.27 +/-0.102	26.90 +/-0.051	26.40	CCE-02858-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0112AZD	
28.58 (1.125")	1.27 +/-0.102	26.90 +/-0.051	26.40	CCE-02858-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0112AZD	
28.58 (1.125")	1.27 +/- 0.102	26.90 +/- 0.051	26.44	CCE-02858-C-V	Circlips - External - Inverted Spring Steel: N1408-0112, MIL-16626, Waldes 5108	
28.58 (1.125")	1.27 +/-0.102	26.90 +/-0.051	26.44	CCE-02858-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0112, A1-1/8X.059IN	
28.58 (1.125")	1.27 +/-0.102	26.90 +/-0.051	26.44	CCE-02858-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0112KSF, S73HW2-100-112	
28.58 (1.125")	2.36 +0.051/-0.102	26.90 +/-0.076	26.31	CCE-02858H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0112, MIL-3217, Waldes 5160	
29.00 (1.142")	1.50 +0.00/-0.21	27.60 +0.00/-0.06	26.90	CCE-02900-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A29X1.5, D1400-0290	
29.00 (1.142")	1.50 +0.00/-0.21	27.60 +0.00/-0.06	26.90	CCE-02900-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A29X1.5-411, D1400-0290KSF	
29.00 (1.142")	2.00 +0.00/-0.21	27.60 +0.00/-0.07	26.90	CCE-02900H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0290, AS29X2	
29.00 (1.142")	2.00 +0.00/-0.21	27.60 +0.00/-0.07	26.90	CCE-02900HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
30.00 (1.181")	1.50 +0.00/-0.21	28.60 +0.00/-0.06	27.90	CCE-03000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A30X1.5, D1400-0300	
30.00 (1.181")	1.50 +0.00/-0.21	28.60 +0.00/-0.06	27.90	CCE-03000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A30X1.5-411, D1400-0300KSF	
30.00 (1.181")	1.50 +0.00/-0.21	28.60 +0.00/-0.06	27.90	CCE-03000-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: A30X1.5Z, D1400-0300AZD	
30.00 (1.181")	1.50 +0.00/-0.21	28.60 +0.00/-0.06	27.90	CCE-03000-C-V	Circlips - External - Inverted Spring Steel: M1408-0300, Seeger AV, Ellison EXTV	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
30.00 (1.181")	2.00 +0.00/-0.21	28.30 +0.00/-0.07	27.60	CCE-03000HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
30.00 (1.181")	2.00 +0.00/-0.21	28.60 +0.00/-0.07	27.90	CCE-03000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0300, AS30X2	
30.16 (1.187")	1.27 +0.00/-0.10	28.14 +/-0.05	27.51	CEB-03016-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0119, MIL-16630, Waldes 5102	
30.16 (1.187")	1.27 +/- 0.102	28.40 +/- 0.051	27.89	CCE-03016-C-V	Circlips - External - Inverted Spring Steel: N1408-0119, MIL-16626, Waldes 5108	
30.16 (1.187")	1.27 +/-0.102	28.40 +/-0.051	27.89	CCE-03016-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0118	
30.16 (1.187")	1.27 +/-0.102	28.40 +/-0.051	27.89	CCE-03016-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0118KSF, S73HW2-100-118	
30.16 (1.187")	1.27 +/-0.102	28.40 +/-0.051	27.90	CCE-03016-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0118AZD	
30.16 (1.187")	2.36 +0.051/-0.102	28.22 +/-0.076	27.61	CCE-03016H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0118, MIL-3217, Waldes 5160	
30.16 (1.187")	2.36 +0.051/-0.102	28.22 +/-0.076	27.61	CCE-03016H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0118KSR, MIL-3217, Waldes 5160	
30.16 (1.187")	2.36 +0.051/-0.102	28.22 +/-0.076	27.61	CCE-03016H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0118AZD, MIL-3217, Waldes 5160	
31.00 (1.220")	1.50 +0.00/-0.21	29.09 +0.00/-0.06	28.56	CCE-03100-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A31X1.5, D1400-0310	
31.75 (1.250")	1.27 +0.00/-0.10	29.62 +/-0.05	28.98	CEB-03175-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0125, MIL-16630, Waldes 5102	
31.75 (1.250")	1.27 +/- 0.102	29.87 +/- 0.051	29.36	CCE-03175-C-V	Circlips - External - Inverted Spring Steel: N1408-0125, MIL-16626, Waldes 5108	
31.75 (1.250")	1.27 +/- 0.102	29.87 +/- 0.051	29.36	CCE-03175-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0125KSF, MIL-16626, Waldes 5108	
31.75 (1.250")	1.27 +/-0.102	29.87 +/-0.051	29.36	CCE-03175-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0125	
31.75 (1.250")	1.27 +/-0.102	29.87 +/-0.051	29.36	CCE-03175-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0125KSF, S73HW2-100-125	
31.75 (1.250")	1.27 +/-0.102	29.90 +/-0.051	29.40	CCE-03175-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0125AZD	
31.75 (1.250")	1.27 +/-0.102	29.90 +/-0.051	29.40	CCE-03175-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0125AZD	
31.75 (1.250")	1.27 +/-0.102	29.90 +/-0.051	29.40	CCE-03175-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0125BC	
31.75 (1.250")	2.36 +0.051/-0.102	29.82 +/-0.076	29.21	CCE-03175H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0125, MIL-3217, Waldes 5160	
31.75 (1.250")	2.36 +0.051/-0.102	29.82 +/-0.076	29.21	CCE-03175H-CZ	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0125AZD, MIL-3217, Waldes 5160	
31.75 (1.250")	2.36 +0.051/-0.102	29.82 +/-0.076	29.21	CCE-03175H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0125AZD, MIL-3217, Waldes 5160	
32.00 (1.260")	1.50 +0.00/-0.25	30.05 +0.00/-0.06	29.60	CCE-03200-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A32X1.5-411, D1400-0320KSF	
32.00 (1.260")	1.50 +0.00/-0.25	30.30 +0.00/-0.06	29.60	CCE-03200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A32X1.5, D1400-0320	
32.00 (1.260")	1.50 +0.00/-0.25	30.30 +0.00/-0.06	29.60	CCE-03200-C-V	Circlips - External - Inverted Spring Steel: M1408-0320, Seeger AV, Ellison EXTV	
32.00 (1.260")	2.00 +0.00/-0.21	30.30 +0.00/-0.07	29.60	CCE-03200H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0320, AS32X2	
33.00 (1.299")	1.50 +0.00/-0.25	31.30 +0.00/-0.06	30.50	CCE-03300-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A33X1.5, D1400-0330	
33.00 (1.299")	2.00 +0.00/-0.25	31.30 +0.00/-0.07	30.50	CCE-03300HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
33.00 (1.299")	2.00 +0.00/-0.25	31.30 +0.00/-0.07	30.50	CCE-03300H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0330, AS33X2	
33.38 (1.314")	1.27 +0.00/-0.10	31.09 +/-0.05	30.45	CEB-03338-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0131, MIL-16630, Waldes 5102	
33.38 (1.314")	1.27 +/- 0.102	31.29 +/- 0.051	30.84	CCE-03332-C-V	Circlips - External - Inverted Spring Steel: N1408-0131, MIL-16626, Waldes 5108	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
33.38 (1.314")	1.27 +/-0.102	31.30 +/-0.051	30.80	CCE-03338-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0131</i>	
33.38 (1.314")	1.27 +/-0.102	31.30 +/-0.051	30.80	CCE-03338-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0131KSF</i>	
33.38 (1.314")	1.27 +/-0.102	31.30 +/-0.051	30.80	CCE-03338-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0131AZD</i>	
33.38 (1.314")	2.36 +0.051/-0.102	31.34 +/-0.076	30.68	CCE-03338H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0131, MIL-3217, Waldes 5160</i>	
34.00 (1.339")	1.50 +0.00/-0.25	32.30 +0.00/-0.06	31.50	CCE-03400-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A34X1.5, D1400-0340</i>	
34.00 (1.339")	1.50 +0.00/-0.25	32.30 +0.00/-0.06	31.50	CCE-03400-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A34X1.5-411, D1400-0340KSF</i>	
34.00 (1.339")	1.50 +0.00/-0.25	32.30 +0.00/-0.06	31.50	CCE-03400-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0340, Seeger AV, Ellison EXTV</i>	
34.00 (1.339")	2.50 +0.00/-0.25	32.10 +0.00/-0.07	31.30	CCE-03400HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
34.00 (1.339")	2.50 +0.00/-0.25	32.30 +0.00/-0.07	31.50	CCE-03400H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0340, AS34X2.5</i>	
34.93 (1.375")	1.27 +0.00/-0.10	32.56 +/-0.05	31.93	CEB-03493-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0137, MIL-16630, Waldes 5102</i>	
34.93 (1.375")	1.27 +/- 0.102	32.79 +/- 0.051	32.31	CCE-03493-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0137, MIL-16626, Waldes 5108</i>	
34.93 (1.375")	1.27 +/- 0.102	32.79 +/- 0.051	32.31	CCE-03493-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0137KSF, MIL-16626, Waldes 5108</i>	
34.93 (1.375")	1.27 +/-0.102	32.79 +/-0.051	32.31	CCE-03493-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0138</i>	
34.93 (1.375")	1.27 +/-0.102	32.79 +/-0.051	32.31	CCE-03493-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0138KSF, S73HW2-100-137</i>	
34.93 (1.375")	1.27 +/-0.102	32.80 +/-0.051	32.30	CCE-03493-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0138AZD</i>	
34.93 (1.375")	2.36 +0.051/-0.102	32.79 +/-0.076	32.21	CCE-03493H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0137, MIL-3217, Waldes 5160</i>	
34.93 (1.375")	2.36 +0.051/-0.102	32.79 +/-0.076	32.21	CCE-03493H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0137KSR, MIL-3217, Waldes 5160</i>	
34.93 (1.375")	2.36 +0.051/-0.102	32.79 +/-0.076	32.21	CCE-03493H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0137AZD, MIL-3217, Waldes 5160</i>	
35.00 (1.378")	1.50 +0.00/-0.25	32.75 +0.00/-0.06	32.20	CCE-03500-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A35X1.5-411, D1400-0350KSF</i>	
35.00 (1.378")	1.50 +0.00/-0.25	33.00 +0.00/-0.06	32.20	CCE-03500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0350, Seeger AV, Ellison EXTV</i>	
35.00 (1.378")	1.50 +0.00/-0.25	33.00 +0.00/-0.06	32.20	CCE-03500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A35X1.5, D1400-0350</i>	
35.00 (1.378")	1.50 +0.00/-0.25	33.00 +0.00/-0.06	32.20	CCE-03500-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: A35X1.5Z, D1400-0350AZD</i>	
35.00 (1.378")	2.50 +0.00/-0.25	32.80 +0.00/-0.07	32.00	CCE-03500HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
35.00 (1.378")	2.50 +0.00/-0.25	33.00 +0.00/-0.07	32.20	CCE-03500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0350, AS35X2.5</i>	
36.00 (1.417")	1.75 +0.00/-0.25	34.00 +0.00/-0.06	33.20	CCE-03600-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A36X1.75, D1400-0360</i>	
36.00 (1.417")	1.75 +0.00/-0.25	34.00 +0.00/-0.06	33.20	CCE-03600-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A36X1.75-411, D1400-0360KSF</i>	
36.00 (1.417")	2.50 +0.00/-0.25	33.80 +0.00/-0.07	33.00	CCE-03600HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
36.00 (1.417")	2.50 +0.00/-0.25	33.80 +0.00/-0.07	33.00	CCE-03600H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0360, AS36X2.5</i>	
36.53 (1.438")	1.27 +0.00/-0.10	34.11 +/-0.05	33.48	CEB-03653-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0143, MIL-16630, Waldes 5102</i>	
36.53 (1.438")	1.27 +/- 0.102	34.29 +/- 0.051	33.86	CCE-03653-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0144, MIL-16626, Waldes 5108</i>	
36.53 (1.438")	1.27 +/-0.102	34.29 +/-0.051	33.86	CCE-03653-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0143</i>	

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Circlips - External					
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description
36.53 (1.438")	1.27 +/-0.102	34.29 +/-0.051	33.86	CCE-03653-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0143KSF, S73HW2-100-143</i>
36.53 (1.438")	1.27 +/-0.102	34.29 +/-0.051	33.90	CCE-03653-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0143AZD</i>
36.53 (1.438")	1.27 +/-0.102	34.29 +/-0.051	33.90	CCE-03653-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0143AZD</i>
37.00 (1.457")	1.75 +0.00/-0.25	35.00 +0.00/-0.06	34.20	CCE-03700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A37X1.75, D1400-0370</i>
38.00 (1.496")	1.75 +0.00/-0.25	35.75 +0.00/-0.06	34.50	CCE-03800-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A38X1.75-411, D1400-0380KSF</i>
38.00 (1.496")	1.75 +0.00/-0.25	35.80 +0.00/-0.06	34.50	CCE-03800-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0380, Seeger AV, Ellison EXTV</i>
38.00 (1.496")	1.75 +0.00/-0.25	36.00 +0.00/-0.06	35.20	CCE-03800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A38X1.75, D1400-0380</i>
38.00 (1.496")	2.50 +0.00/-0.25	36.00 +0.00/-0.07	35.00	CCE-03800HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>
38.00 (1.496")	2.50 +0.00/-0.25	36.00 +0.00/-0.07	35.20	CCE-03800H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0380, AS38X2.5</i>
38.10 (1.500")	1.27 +0.00/-0.10	35.48 +/-0.05	34.85	CEB-03810-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0150, MIL-16630, Waldes 5102</i>
38.10 (1.500")	1.27 +/-0.102	35.71 +/-0.051	35.20	CCE-03810-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0150BC</i>
38.10 (1.500")	1.27 +/-0.102	35.71 +/-0.051	35.20	CCE-03810-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0150AZD</i>
38.10 (1.500")	1.27 +/-0.102	35.71 +/-0.051	35.20	CCE-03810-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0150AZD</i>
38.10 (1.500")	1.27 +/-0.102	35.71 +/-0.051	35.23	CCE-03810-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0150</i>
38.10 (1.500")	1.27 +/-0.102	35.71 +/-0.051	35.23	CCE-03810-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0150KSF, S73HW2-100-150</i>
38.10 (1.500")	1.27 +/- 0.102	37.08 +/- 0.051	35.23	CCE-03810-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0150, MIL-16626, Waldes 5108</i>
38.10 (1.500")	1.27 +/- 0.102	37.08 +/- 0.051	35.23	CCE-03810-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0150KSF, MIL-16626, Waldes 5108</i>
38.10 (1.500")	2.77 +0.051/-0.102	35.71 +/-0.076	35.05	CCE-03810H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0150, MIL-3217, Waldes 5160</i>
38.10 (1.500")	2.77 +0.051/-0.102	35.71 +/-0.076	35.05	CCE-03810H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0150KSR, MIL-3217, Waldes 5160</i>
38.10 (1.500")	2.77 +0.051/-0.102	35.71 +/-0.076	35.05	CCE-03810H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0150AZD, MIL-3217, Waldes 5160</i>
39.00 (1.535")	1.75 +0.00/-0.25	36.75 +0.00/-0.06	35.90	CCE-03900-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A39X1.75, D1400-0390</i>
39.67 (1.562")	1.57 +0.00/-0.13	37.06 +/-0.08	36.22	CEB-03967-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0156, MIL-16630, Waldes 5102</i>
39.67 (1.562")	1.57 +/- 0.127	37.29 +/- 0.076	36.73	CCE-03967-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0156, MIL-16626, Waldes 5108</i>
39.67 (1.562")	1.58 +/-0.127	37.29 +/-0.076	36.70	CCE-03967-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0156AZD</i>
39.67 (1.562")	1.58 +/-0.127	37.29 +/-0.076	36.73	CCE-03967-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0156</i>
39.67 (1.562")	1.58 +/-0.127	37.29 +/-0.076	36.73	CCE-03967-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0156KSF, S73HW2-100-156</i>
39.67 (1.562")	2.77 +0.076/-0.102	37.29 +/-0.076	36.50	CCE-03967H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0156, MIL-3217, Waldes 5160</i>
40.00 (1.575")	1.75 +0.00/-0.25	37.50 +0.00/-0.06	36.50	CCE-04000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A40X1.75, D1400-0400</i>
40.00 (1.575")	1.75 +0.00/-0.25	37.50 +0.00/-0.06	36.50	CCE-04000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A40X1.75-411, D1400-0400KSF</i>
40.00 (1.575")	1.75 +0.00/-0.25	37.50 +0.00/-0.06	36.50	CCE-04000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0400, Seeger AV, Ellison EXTV</i>
40.00 (1.575")	2.50 +0.00/-0.25	37.50 +0.00/-0.07	36.50	CCE-04000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0400, AS40X2.5</i>

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
41.00 (1.614")	1.75 +0.00/-0.25	38.50 +0.00/-0.06	37.50	CCE-04100-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A41X1.75, D1400-0410	
41.28 (1.625")	1.57 +0.00/-0.13	38.51 +/-0.08	37.67	CEB-04128-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0162, MIL-16630, Waldes 5102	
41.28 (1.625")	1.57 +/- 0.127	38.84 +/- 0.076	38.18	CCE-04128-C-V	Circlips - External - Inverted Spring Steel: N1408-0162, MIL-16626, Waldes 5108	
41.28 (1.625")	1.57 +/-0.127	38.84 +/-0.076	38.18	CCE-04128-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0162	
41.28 (1.625")	1.57 +/-0.127	38.84 +/-0.076	38.18	CCE-04128-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0162KSF, S73HW2-100-162	
41.28 (1.625")	1.57 +/-0.127	38.84 +/-0.076	38.20	CCE-04128-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0162AZD	
42.00 (1.654")	1.75 +0.00/-0.25	39.25 +0.00/-0.06	38.50	CCE-04200-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A42X1.75-411, D1400-0420KSF	
42.00 (1.654")	1.75 +0.00/-0.25	39.50 +0.00/-0.06	38.50	CCE-04200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A42X1.75, D1400-0420	
42.00 (1.654")	1.75 +0.00/-0.25	39.50 +0.00/-0.06	38.50	CCE-04200-C-V	Circlips - External - Inverted Spring Steel: M1408-0420, Seeger AV, Ellison EXTV	
42.00 (1.654")	2.50 +0.00/-0.25	39.50 +0.00/-0.07	38.50	CCE-04200H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0420, AS42X2.5	
42.86 (1.687")	1.57 +0.00/-0.13	39.95 +/-0.08	39.12	CEB-04286-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0168, MIL-16630, Waldes 5102	
42.86 (1.687")	1.57 +/-0.127	40.36 +/-0.076	39.60	CCE-04286-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0168, A1-11/16X.069IN	
42.86 (1.687")	1.57 +/-0.127	40.36 +/-0.076	39.60	CCE-04286-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0168KSF	
42.86 (1.687")	1.57 +/-0.127	40.36 +/-0.076	39.60	CCE-04286-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0168AZD	
44.00 (1.732")	1.75 +0.00/-0.25	41.50 +0.00/-0.06	40.50	CCE-04400-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A44X1.75, D1400-0440	
44.00 (1.732")	2.50 +0.00/-0.25	41.50 +0.00/-0.07	40.50	CCE-04400H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0440, AS44X2.5	
44.45 (1.750")	1.57 +0.00/-0.13	41.43 +/-0.08	40.59	CEB-04445-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0175, MIL-16630, Waldes 5102	
44.45 (1.750")	1.57 +/-0.127	41.90 +/-0.076	41.10	CCE-04445-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0175KSF	
44.45 (1.750")	1.57 +/-0.127	41.90 +/-0.076	41.10	CCE-04445-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0175AZD	
44.45 (1.750")	1.57 +/-0.127	41.91 +/-0.076	41.10	CCE-04445-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0175	
44.45 (1.750")	1.57 +/- 0.127	41.91 +/- 0.076	41.58	CCE-04445-C-V	Circlips - External - Inverted Spring Steel: N1408-0175, MIL-16626, Waldes 5108	
44.45 (1.750")	1.57 +/- 0.127	41.91 +/- 0.076	41.58	CCE-04445-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0175KSF, MIL-16626, Waldes 5108	
44.45 (1.750")	2.77 +0.076/-0.102	41.91 +/-0.076	40.84	CCE-04445H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0175, MIL-3217, Waldes 5160	
44.45 (1.750")	2.77 +0.076/-0.102	41.91 +/-0.076	40.84	CCE-04445H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0175KSR, MIL-3217, Waldes 5160	
44.45 (1.750")	2.77 +0.076/-0.102	41.91 +/-0.076	40.84	CCE-04445H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0175AZD, MIL-3217, Waldes 5160	
45.00 (1.772")	1.75 +0.00/-0.25	42.50 +0.00/-0.06	41.50	CCE-04500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A45X1.75, D1400-0450	
45.00 (1.772")	1.75 +0.00/-0.25	42.50 +0.00/-0.06	41.50	CCE-04500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A45X1.75-411, D1400-0450KSF	
45.00 (1.772")	1.75 +0.00/-0.25	42.50 +0.00/-0.06	41.50	CCE-04500-C-V	Circlips - External - Inverted Spring Steel: M1408-0450, Seeger AV, Ellison EXTV	
45.00 (1.772")	2.50 +0.00/-0.25	42.50 +0.00/-0.07	41.50	CCE-04500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0450, AS45X2.5	
45.01 (1.772")	1.57 +0.00/-0.13	41.91 +/-0.08	41.07	CEB-04501-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0177, MIL-16630, Waldes 5102	
45.01 (1.772")	1.57 +/-0.127	42.39 +/-0.076	41.58	CCE-04501-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0177	

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
45.01 (1.772")	1.57 +/-0.127	42.40 +/-0.076	41.60	CCE-04501-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0177KSF	
45.01 (1.772")	1.57 +/-0.127	42.40 +/-0.076	41.60	CCE-04501-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0177AZD	
46.00 (1.811")	1.75 +0.00/-0.25	43.50 +0.00/-0.06	42.50	CCE-04600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A46X1.75, D1400-0460	
46.04 (1.813")	1.57 +0.00/-0.13	42.88 +/-0.08	42.04	CEB-04604-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0181, MIL-16630, Waldes 5102	
46.04 (1.813")	1.57 +/- 0.127	43.38 +/- 0.076	42.55	CCE-04604-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0181KSF, MIL-16626, Waldes 5108	
46.04 (1.813")	1.57 +/-0.127	43.40 +/-0.076	42.60	CCE-04604-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0181	
46.04 (1.813")	1.57 +/-0.127	43.40 +/-0.076	42.60	CCE-04604-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0181KSF	
46.04 (1.813")	1.57 +/-0.127	43.40 +/-0.076	42.60	CCE-04604-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0181AZD	
47.00 (1.850")	1.75 +0.00/-0.25	44.45 +0.00/-0.06	43.50	CCE-04700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A47X1.75, D1400-0470	
47.00 (1.850")	1.75 +0.00/-0.25	44.50 +0.00/-0.06	43.50	CCE-04700-C-V	Circlips - External - Inverted Spring Steel: M1408-0470, Seeger AV, Ellison EXTV	
47.63 (1.875")	1.57 +0.00/-0.13	44.40 +/-0.08	43.56	CEB-04763-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0187, MIL-16630, Waldes 5102	
47.63 (1.875")	1.57 +/-0.127	44.90 +/-0.076	44.10	CCE-04763-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0188KSF	
47.63 (1.875")	1.57 +/-0.127	44.90 +/-0.076	44.10	CCE-04763-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0188AZD	
47.63 (1.875")	1.57 +/-0.127	44.93 +/-0.076	44.07	CCE-04763-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0187	
48.00 (1.890")	1.75 +0.00/-0.25	45.50 +0.00/-0.06	44.50	CCE-04800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A48X1.75, D1400-0480	
48.00 (1.890")	1.75 +0.00/-0.25	45.50 +0.00/-0.06	44.50	CCE-04800-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A48X1.75SS, D1400-0480	
48.00 (1.890")	1.75 +0.00/-0.25	45.50 +0.00/-0.06	44.50	CCE-04800-C-V	Circlips - External - Inverted Spring Steel: M1408-0480, Seeger AV, Ellison EXTV	
48.00 (1.890")	2.50 +0.00/-0.25	45.50 +0.00/-0.07	44.50	CCE-04800H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0480, AS48X2.5	
49.23 (1.938")	3.18 +0.076/-0.102	46.38 +/-0.102	45.26	CCE-04923H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0193, MIL-3217, Waldes 5160	
50.00 (1.969")	1.57 +/-0.127	47.20 +/-0.076	46.20	CCE-05001-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0196KSF	
50.00 (1.969")	2.00 +0.00/-0.25	46.75 +0.00/-0.06	45.80	CCE-05000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A50X2-411, D1400-0500KSF	
50.00 (1.969")	2.00 +0.00/-0.25	46.75 +0.00/-0.06	45.80	CCE-05000-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: A50X2Z, D1400-0500AZD	
50.00 (1.969")	2.00 +0.00/-0.25	47.00 +0.00/-0.06	45.80	CCE-05000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A50X2, D1400-0500	
50.00 (1.969")	2.00 +0.00/-0.25	47.00 +0.00/-0.07	45.80	CCE-05000-C-V	Circlips - External - Inverted Spring Steel: M1408-0500, Seeger AV, Ellison EXTV	
50.00 (1.969")	3.00 +0.00/-0.25	47.00 +0.00/-0.08	45.60	CCE-05000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0500, AS50X3	
50.01 (1.969")	1.57 +0.00/-0.13	46.53 +/-0.08	46.20	CEB-05001-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0196, MIL-16630, Waldes 5102	
50.01 (1.969")	1.57 +/- 0.127	47.17 +/- 0.076	46.20	CCE-05001-C-V	Circlips - External - Inverted Spring Steel: N1408-0196, MIL-16626, Waldes 5108	
50.01 (1.969")	1.57 +/-0.127	47.20 +/-0.076	46.20	CCE-05001-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0196	
50.01 (1.969")	1.57 +/-0.127	47.20 +/-0.076	46.20	CCE-05001-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0196AZD	
50.80 (2.000")	1.57 +0.00/-0.13	47.32 +/-0.08	46.48	CEB-05080-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0200, MIL-16630, Waldes 5102	
50.80 (2.000")	1.57 +/- 0.127	47.90 +/- 0.076	46.99	CCE-05080-C-V	Circlips - External - Inverted Spring Steel: N1408-0200, MIL-16626, Waldes 5108	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
50.80 (2.000")	1.57 +/- 0.127	47.90 +/- 0.076	46.99	CCE-05080-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0200KSF, MIL-16626, Waldes 5108</i>	
50.80 (2.000")	1.57 +/-0.152	47.90 +/-0.076	46.99	CCE-05080-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0200</i>	
50.80 (2.000")	1.57 +/-0.152	47.90 +/-0.076	47.00	CCE-05080-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0200KSF, D1400-0480KSF</i>	
50.80 (2.000")	1.57 +/-0.152	47.90 +/-0.076	47.00	CCE-05080-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0200AZD</i>	
50.80 (2.000")	3.18 +0.076/-0.102	47.75 +/-0.102	46.74	CCE-05080H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0200, MIL-3217, Waldes 5160</i>	
50.80 (2.000")	3.18 +0.076/-0.102	47.75 +/-0.102	46.74	CCE-05080H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0200AZD, MIL-3217, Waldes 5160</i>	
52.00 (2.047")	2.00 +0.00/-0.25	49.00 +0.00/-0.06	47.80	CCE-05200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A52X2, D1400-0520</i>	
52.00 (2.047")	3.00 +0.00/-0.25	49.00 +0.00/-0.08	47.80	CCE-05200H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0520, AS52X3</i>	
52.39 (2.063")	1.98 +0.00/-0.15	48.79 +/-0.08	47.78	CEB-05239-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0206, MIL-16630, Waldes 5102</i>	
52.39 (2.063")	1.98 +/-0.152	49.43 +/-0.076	48.40	CCE-05239-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0206</i>	
52.39 (2.063")	1.98 +/-0.152	49.43 +/-0.076	48.40	CCE-05239-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0206KSF</i>	
52.39 (2.063")	1.98 +/-0.152	49.43 +/-0.076	48.40	CCE-05239-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0206AZD</i>	
53.98 (2.125")	1.98 +0.00/-0.15	50.27 +/-0.08	49.25	CEB-05398-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0212, MIL-16630, Waldes 5102</i>	
53.98 (2.125")	1.98 +/-0.152	50.88 +/-0.076	49.89	CCE-05398-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0212</i>	
53.98 (2.125")	1.98 +/-0.152	50.89 +/-0.076	49.90	CCE-05398-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0213KSF</i>	
53.98 (2.125")	1.98 +/-0.152	50.89 +/-0.076	49.90	CCE-05398-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0213AZD</i>	
54.00 (2.126")	2.00 +0.00/-0.25	51.00 +0.00/-0.06	49.80	CCE-05400-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A54X2, D1400-0540</i>	
54.77 (2.156")	1.98 +/- 0.152	50.88 +/- 0.076	50.62	CCE-05477-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0215, MIL-16626, Waldes 5108</i>	
54.77 (2.156")	1.98 +0.00/-0.15	51.00 +/-0.08	49.99	CEB-05477-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0215, MIL-16630, Waldes 5102</i>	
54.77 (2.156")	1.98 +/-0.152	51.61 +/-0.076	50.60	CCE-05477-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0215</i>	
54.77 (2.156")	1.98 +/-0.152	51.61 +/-0.076	50.60	CCE-05477-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0215KSF</i>	
54.77 (2.156")	1.98 +/-0.152	51.61 +/-0.076	50.60	CCE-05477-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0215AZD</i>	
55.00 (2.165")	2.00 +0.00/-0.25	51.75 +0.00/-0.06	50.80	CCE-05500-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A55X2-411, D1400-0550KSF</i>	
55.00 (2.165")	2.00 +0.00/-0.25	52.00 +0.00/-0.06	50.80	CCE-05500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A55X2, D1400-0550</i>	
55.00 (2.165")	2.00 +0.00/-0.30	52.00 +0.00/-0.07	50.80	CCE-05500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0550, Seeger AV, Ellison EXTV</i>	
55.00 (2.165")	3.00 +0.00/-0.30	52.00 +0.00/-0.08	50.80	CCE-05500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0550, AS55X3</i>	
56.00 (2.205")	2.00 +0.00/-0.30	53.00 +0.00/-0.07	51.80	CCE-05600-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A56X2, D1400-0560</i>	
57.00 (2.244")	2.00 +0.00/-0.30	54.00 +0.00/-0.07	52.80	CCE-05700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A57X2, D1400-0570</i>	
57.15 (2.250")	1.98 +0.00/-0.15	53.18 +/-0.08	52.22	CEB-05715-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0225, MIL-16630, Waldes 5102</i>	
57.15 (2.250")	1.98 +/-0.152	53.85 +/-0.076	52.86	CCE-05715-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0225</i>	
57.15 (2.250")	1.98 +/-0.152	53.90 +/-0.076	52.90	CCE-05715-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0225KSF</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
57.15 (2.250")	1.98 +/-0.152	53.90 +/-0.076	52.90	CCE-05715-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0225AZD</i>	
58.00 (2.283")	2.00 +0.00/-0.30	55.00 +0.00/-0.07	53.80	CCE-05800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A58X2, D1400-0580</i>	
58.00 (2.283")	2.00 +0.00/-0.30	55.00 +0.00/-0.07	53.80	CCE-05800-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0580, Seeger AV, Ellison EXTV</i>	
58.00 (2.283")	2.00 +0.00/-0.30	55.00 +0.00/-0.07	53.80	CCE-05800-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A58X2, D1400-0580</i>	
58.00 (2.283")	3.00 +0.00/-0.30	55.00 +0.00/-0.08	53.80	CCE-05800H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0580, AS58X3</i>	
58.74 (2.313")	1.98 +0.00/-0.15	54.71 +/-0.08	53.70	CEB-05874-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0231, MIL-16630, Waldes 5102</i>	
58.74 (2.313")	1.98 +/-0.152	55.30 +/-0.076	54.30	CCE-05874-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0231KSF</i>	
58.74 (2.313")	1.98 +/-0.152	55.30 +/-0.076	54.30	CCE-05874-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0231AZD</i>	
58.74 (2.313")	1.98 +/-0.152	55.32 +/-0.076	54.33	CCE-05874-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0231</i>	
60.00 (2.362")	2.00 +0.00/-0.30	56.70 +0.00/-0.07	55.80	CCE-06000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A60X2-411, D1400-0600KSF</i>	
60.00 (2.362")	2.00 +0.00/-0.30	57.00 +0.00/-0.07	55.80	CCE-06000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0600, Seeger AV, Ellison EXTV</i>	
60.00 (2.362")	2.00 +0.00/-0.30	57.00 +0.00/-0.07	55.80	CCE-06000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A60X2, D1400-0600</i>	
60.00 (2.362")	3.00 +0.00/-0.30	57.00 +0.00/-0.08	55.80	CCE-06000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0600, AS60X3</i>	
60.33 (2.375")	1.98 +0.00/-0.15	56.18 +/-0.08	55.17	CEB-06033-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0237, MIL-16630, Waldes 5102</i>	
60.33 (2.375")	1.98 +/-0.152	56.87 +/-0.076	55.80	CCE-06033-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0237</i>	
60.33 (2.375")	1.98 +/-0.152	56.90 +/-0.076	55.80	CCE-06033-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0237KSF</i>	
60.33 (2.375")	1.98 +/-0.152	56.90 +/-0.076	55.80	CCE-06033-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0237AZD</i>	
61.91 (2.437")	1.98 +0.00/-0.15	57.66 +/-0.08	56.64	CEB-06191-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0243, MIL-16630, Waldes 5102</i>	
61.91 (2.437")	1.98 +/-0.152	58.39 +/-0.076	57.28	CCE-06191-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0243</i>	
61.91 (2.437")	1.98 +/-0.152	58.39 +/-0.076	57.30	CCE-06191-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0243</i>	
61.91 (2.437")	1.98 +/-0.152	58.39 +/-0.076	57.30	CCE-06191-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0243AZD</i>	
62.00 (2.441")	2.00 +0.00/-0.30	58.70 +0.00/-0.07	57.80	CCE-06200-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A62X2-411, D1400-0620KSF</i>	
62.00 (2.441")	2.00 +0.00/-0.30	59.00 +0.00/-0.07	57.80	CCE-06200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A62X2, D1400-0620</i>	
63.00 (2.480")	2.00 +0.00/-0.30	60.00 +0.00/-0.07	58.80	CCE-06300-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A63X2, D1400-0630</i>	
63.50 (2.500")	1.98 +0.00/-0.15	59.13 +/-0.08	58.12	CEB-06350-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0250, MIL-16630, Waldes 5102</i>	
63.50 (2.500")	1.98 +/-0.152	59.94 +/-0.076	58.75	CCE-06350-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0250, MIL-16626, Waldes 5108</i>	
63.50 (2.500")	1.98 +/-0.152	59.94 +/-0.076	58.75	CCE-06350-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0250</i>	
63.50 (2.500")	1.98 +/-0.152	59.94 +/-0.076	58.80	CCE-06350-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0250KSF</i>	
63.50 (2.500")	1.98 +/-0.152	59.94 +/-0.076	58.80	CCE-06350-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0250AZD</i>	
64.00 (2.520")	2.00 +0.00/-0.30	61.00 +0.00/-0.07	58.90	CCE-06400-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A64X2, D1400-0640</i>	
64.99 (2.559")	1.98 +/-0.152	61.44 +/-0.076	60.38	CCE-06499-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0255</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
64.99 (2.559")	1.98 +/-0.152	61.44 +/-0.076	60.40	CCE-06499-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0255KSF	
64.99 (2.559")	1.98 +/-0.152	61.44 +/-0.076	60.40	CCE-06499-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0255AZD	
65.00 (2.559")	1.98 +0.00/-0.15	60.88 +/-0.08	59.61	CEB-06500-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0255, MIL-16630, Waldes 5102	
65.00 (2.559")	2.50 +0.00/-0.30	61.70 +0.00/-0.07	60.80	CCE-06500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A65X2.5-411, D1400-0650KSF	
65.00 (2.559")	2.50 +0.00/-0.30	62.00 +0.00/-0.07	60.80	CCE-06500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A65X2.5, D1400-0650	
65.00 (2.559")	2.50 +0.00/-0.30	62.00 +0.00/-0.07	60.80	CCE-06500-C-V	Circlips - External - Inverted Spring Steel: M1408-0650, Seeger AV, Ellison EXTV	
65.00 (2.559")	4.00 +0.00/-0.30	62.00 +0.00/-0.10	60.80	CCE-06500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0650, AS65X4	
66.68 (2.625")	1.98 +0.00/-0.15	62.18 +/-0.08	60.91	CEB-06668-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0262, MIL-16630, Waldes 5102	
66.68 (2.625")	1.98 +/-0.152	63.00 +/-0.076	61.70	CCE-06668-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0262KSF	
66.68 (2.625")	1.98 +/-0.152	63.00 +/-0.076	61.70	CCE-06668-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0262AZD	
66.68 (2.625")	1.98 +/-0.152	63.00 +/-0.076	61.70	CCE-06668-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0262AZD	
66.68 (2.625")	1.98 +/-0.152	63.02 +/-0.076	61.67	CCE-06668-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0262	
67.00 (2.638")	2.50 +0.00/-0.30	63.71 +0.00/-0.07	62.60	CCE-06700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A67X2.5, D1400-0670	
68.00 (2.677")	2.50 +0.00/-0.30	65.00 +0.00/-0.07	63.50	CCE-06800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A68X2.5, D1400-0680	
68.26 (2.687")	1.98 +0.00/-0.15	63.63 +/-0.08	62.36	CEB-06826-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0268, MIL-16630, Waldes 5102	
68.26 (2.687")	1.98 +/-0.152	89.90 +/-0.076	63.10	CCE-06826-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0268	
68.26 (2.687")	1.98 +/-0.152	89.90 +/-0.076	63.10	CCE-06826-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0268KSF	
68.26 (2.687")	1.98 +/-0.152	89.90 +/-0.076	63.10	CCE-06826-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0268AZD	
69.85 (2.750")	1.98 +/- 0.152	66.09 +/- 0.076	64.59	CCE-06985-C-V	Circlips - External - Inverted Spring Steel: N1408-0275, MIL-16626, Waldes 5108	
69.85 (2.750")	2.36 +0.00/-0.15	65.10 +/-0.08	63.83	CEB-06985-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0275, MIL-16630, Waldes 5102	
69.85 (2.750")	2.36 +/-0.152	66.09 +/-0.076	64.59	CCE-06985-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0275	
69.85 (2.750")	2.36 +/-0.152	66.10 +/-0.076	64.60	CCE-06985-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0275KSF	
69.85 (2.750")	2.36 +/-0.152	66.10 +/-0.076	64.60	CCE-06985-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0275AZD	
70.00 (2.756")	2.50 +0.00/-0.30	67.00 +0.00/-0.07	65.50	CCE-07000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A70X2.5, D1400-0700	
70.00 (2.756")	2.50 +0.00/-0.30	67.00 +0.00/-0.07	65.50	CCE-07000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A70X2.5-411, D1400-0700KSF	
70.00 (2.756")	2.50 +0.00/-0.30	67.00 +0.00/-0.07	65.50	CCE-07000-C-V	Circlips - External - Inverted Spring Steel: M1408-0700, Seeger AV, Ellison EXTV	
70.00 (2.756")	4.00 +0.00/-0.30	67.00 +0.00/-0.10	65.50	CCE-07000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0700, AS70X4	
72.00 (2.835")	2.50 +0.00/-0.30	69.00 +0.00/-0.07	67.50	CCE-07200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A72X2.5, D1400-0720	
72.00 (2.835")	2.50 +0.00/-0.30	69.00 +0.00/-0.07	67.50	CCE-07200-C-V	Circlips - External - Inverted Spring Steel: M1408-0720, Seeger AV, Ellison EXTV	
73.03 (2.875")	1.98 +/- 0.152	69.11 +/- 0.076	67.54	CCE-07303-C-V	Circlips - External - Inverted Spring Steel: N1408-0287, MIL-16626, Waldes 5108	
73.03 (2.875")	2.36 +0.00/-0.15	68.05 +/-0.08	66.78	CEB-07303-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0287, MIL-16630, Waldes 5102	

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
73.03 (2.875")	2.36 +/-0.152	69.11 +/-0.076	67.50	CCE-07303-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0287KSF	
73.03 (2.875")	2.36 +/-0.152	69.11 +/-0.076	67.50	CCE-07303-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0287AZD	
73.03 (2.875")	2.36 +/-0.152	69.11 +/-0.076	67.54	CCE-07303-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0287	
74.61 (2.937")	2.36 +/-0.152	70.59 +/-0.076	69.00	CCE-07461-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0293	
74.61 (2.937")	2.36 +/-0.152	70.59 +/-0.076	69.00	CCE-07461-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0293KSF	
74.61 (2.937")	2.36 +/-0.152	70.59 +/-0.076	69.00	CCE-07461-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0293AZD	
74.61 (2.937")	2.36 +0.00/-0.15	71.04 +/-0.08	68.25	CEB-07461-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0293, MIL-16630, Waldes 5102	
75.00 (2.953")	2.50 +0.00/-0.30	72.00 +0.00/-0.07	70.50	CCE-07500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A75X2.5, MD0471MQB075, D1400-0750	
75.00 (2.953")	2.50 +0.00/-0.30	72.00 +0.00/-0.07	70.50	CCE-07500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A75-411, D1400-0750KSF	
75.00 (2.953")	2.50 +0.00/-0.30	72.00 +0.00/-0.07	70.50	CCE-07500-C-V	Circlips - External - Inverted Spring Steel: M1408-0750, Seeger AV, Ellison EXTV	
75.00 (2.953")	4.00 +0.00/-0.30	72.00 +0.00/-0.10	70.50	CCE-07500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0750, AS75X4	
76.20 (3.000")	2.36 +0.00/-0.15	70.99 +/-0.08	69.72	CEB-07620-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0300, MIL-16630, Waldes 5102	
76.20 (3.000")	2.36 +/-0.152	72.09 +/-0.076	70.49	CCE-07620-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0300	
76.20 (3.000")	2.36 +/-0.152	72.09 +/-0.076	70.50	CCE-07620-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0300KSF	
76.20 (3.000")	2.36 +/-0.152	72.09 +/-0.076	70.50	CCE-07620-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0300AZD	
77.00 (3.031")	2.50 +0.00/-0.30	73.71 +0.00/-0.07	70.90	CCE-07700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A77X2.5, D1400-0770	
77.79 (3.063")	2.36 +0.00/-0.15	72.44 +/-0.08	71.17	CEB-07779-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0306, MIL-16630, Waldes 5102	
77.79 (3.063")	2.36 +/-0.152	73.61 +/-0.076	73.00	CCE-07779-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0306	
77.79 (3.063")	2.36 +/-0.152	73.61 +/-0.076	73.00	CCE-07779-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0306KSF	
77.79 (3.063")	2.36 +/-0.152	73.61 +/-0.076	73.00	CCE-07779-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0306AZD	
78.00 (3.071")	2.50 +0.00/-0.30	74.78 +0.00/-0.07	72.40	CCE-07800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A78X2.5, D1400-0780	
79.38 (3.125")	2.36 +0.00/-0.15	73.96 +/-0.08	72.69	CEB-07938-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0312, MIL-16630, Waldes 5102	
79.38 (3.125")	2.36 +/-0.152	75.11 +/-0.076	73.46	CCE-07938-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0312	
79.38 (3.125")	2.36 +/-0.152	75.11 +/-0.076	73.50	CCE-07938-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0312KSF	
79.38 (3.125")	2.36 +/-0.152	75.11 +/-0.076	73.50	CCE-07938-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0312AZD	
80.00 (3.150")	2.50 +0.00/-0.30	76.50 +0.00/-0.07	74.50	CCE-08000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A80X2.5, D1400-0800	
80.00 (3.150")	2.50 +0.00/-0.30	76.50 +0.00/-0.07	74.50	CCE-08000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A80X2.5SS, D1400-0800KSF	
80.00 (3.150")	2.50 +0.00/-0.30	76.50 +0.00/-0.07	74.50	CCE-08000-C-V	Circlips - External - Inverted Spring Steel: M1408-0800, Seeger AV, Ellison EXTV	
80.00 (3.150")	4.00 +0.00/-0.30	76.50 +0.00/-0.10	74.50	CCE-08000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0800, AS80X4	
80.17 (3.156")	1.98 +/- 0.152	75.84 +/- 0.076	74.17	CCE-08017-C-V	Circlips - External - Inverted Spring Steel: N1408-0315, MIL-16626, Waldes 5108	
80.17 (3.156")	2.36 +0.00/-0.15	74.68 +/-0.08	73.41	CEB-08017-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0315, MIL-16630, Waldes 5102	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
80.17 (3.156")	2.36 +/-0.152	75.84 +/-0.076	74.20	CCE-08017-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0315</i>	
80.17 (3.156")	2.36 +/-0.152	75.84 +/-0.076	74.20	CCE-08017-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0315KSF</i>	
80.17 (3.156")	2.36 +/-0.152	75.84 +/-0.076	74.20	CCE-08017-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0315AZD</i>	
82.00 (3.228")	2.50 +0.00/-0.30	78.50 +0.00/-0.07	76.50	CCE-08200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A82X2.5, D1400-0820</i>	
82.00 (3.228")	2.50 +0.00/-0.35	78.50 +0.00/-0.07	76.50	CCE-08200-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0820, Seeger AV, Ellison EXTV</i>	
82.55 (3.250")	1.98 +/- 0.152	78.13 +/- 0.076	76.35	CCE-08255-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0325, MIL-16626, Waldes 5108</i>	
82.55 (3.250")	2.36 +0.00/-0.15	76.86 +/-0.08	75.59	CEB-08255-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0325, MIL-16630, Waldes 5102</i>	
82.55 (3.250")	2.36 +/-0.152	78.10 +/-0.076	76.40	CCE-08255-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0325KSF</i>	
82.55 (3.250")	2.36 +/-0.152	78.10 +/-0.076	76.40	CCE-08255-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0325AZD</i>	
82.55 (3.250")	2.36 +/-0.152	78.13 +/-0.076	76.35	CCE-08255-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0325</i>	
84.99 (3.346")	2.36 +0.00/-0.15	79.04 +/-0.08	77.77	CEB-08499-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0334, MIL-16630, Waldes 5102</i>	
84.99 (3.346")	2.36 +/-0.152	80.42 +/-0.076	78.50	CCE-08499-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0334KSF</i>	
84.99 (3.346")	2.36 +/-0.152	80.42 +/-0.076	78.50	CCE-08499-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0334AZD</i>	
84.99 (3.346")	2.36 +/-0.152	80.42 +/-0.076	78.54	CCE-08499-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0334</i>	
85.00 (3.346")	3.00 +0.00/-0.35	81.50 +0.00/-0.08	79.50	CCE-08500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A85X3, D1400-0850</i>	
85.00 (3.346")	3.00 +0.00/-0.35	81.50 +0.00/-0.08	79.50	CCE-08500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0850, Seeger AV, Ellison EXTV</i>	
85.00 (3.346")	4.00 +0.00/-0.35	81.50 +0.00/-0.10	79.50	CCE-08500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0850, AS85X4</i>	
87.00 (3.425")	3.00 +0.00/-0.35	83.15 +0.00/-0.08	81.50	CCE-08700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A87X3, D1400-0870</i>	
87.00 (3.425")	3.00 +0.00/-0.35	83.50 +0.00/-0.08	81.50	CCE-08700-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0870, Seeger AV, Ellison EXTV</i>	
87.31 (3.437")	2.36 +/-0.152	82.73 +/-0.076	80.75	CCE-08731-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0343</i>	
87.31 (3.437")	2.36 +/-0.152	82.73 +/-0.076	80.80	CCE-08731-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0343KSF</i>	
87.31 (3.437")	2.36 +/-0.152	82.73 +/-0.076	80.80	CCE-08731-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0343AZD</i>	
87.31 (3.437")	2.77 +0.00/-0.15	81.25 +/-0.08	79.98	CEB-08731-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0343, MIL-16630, Waldes 5102</i>	
88.00 (3.465")	3.00 +0.00/-0.35	84.45 +0.00/-0.08	82.50	CCE-08800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A88X3, D1400-0880</i>	
88.90 (3.500")	2.77 +0.00/-0.15	82.73 +/-0.08	81.46	CEB-08890-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0350, MIL-16630, Waldes 5102</i>	
88.90 (3.500")	2.77 +/-0.152	84.23 +/-0.076	82.20	CCE-08890-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0350KSF</i>	
88.90 (3.500")	2.77 +/-0.152	84.23 +/-0.076	82.20	CCE-08890-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0350AZD</i>	
88.90 (3.500")	2.77 +/- 0.152	84.23 +/- 0.076	82.22	CCE-08890-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0350, MIL-16626, Waldes 5108</i>	
88.90 (3.500")	2.77 +/-0.152	84.23 +/-0.076	82.22	CCE-08890-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0350</i>	
89.99 (3.543")	2.77 +0.00/-0.15	83.71 +/-0.08	82.47	CEB-08999-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0354, MIL-16630, Waldes 5102</i>	
89.99 (3.543")	2.77 +/-0.152	85.27 +/-0.076	83.20	CCE-08999-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0354KSF</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
89.99 (3.543")	2.77 +/-0.152	85.27 +/-0.076	83.20	CCE-08999-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0354AZD</i>	
89.99 (3.543")	2.77 +/-0.152	85.27 +/-0.076	83.24	CCE-08999-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0354</i>	
90.00 (3.543")	3.00 +0.00/-0.35	86.50 +0.00/-0.08	84.50	CCE-09000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A90X3, MD0471MQB090, D1400-0900</i>	
90.00 (3.543")	3.00 +0.00/-0.35	86.50 +0.00/-0.08	84.50	CCE-09000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo</i>	
90.00 (3.543")	3.00 +0.00/-0.35	86.50 +0.00/-0.08	84.50	CCE-09000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0900, Seeger AV, Ellison EXTV</i>	
90.00 (3.543")	4.00 +0.00/-0.35	86.50 +0.00/-0.10	84.50	CCE-09000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0900, AS90X4</i>	
92.00 (3.622")	3.00 +0.00/-0.35	88.15 +0.00/-0.08	84.20	CCE-09200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A92X3, D1400-0920</i>	
92.08 (3.625")	2.77 +0.00/-0.15	85.65 +/-0.08	84.38	CEB-09208-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0362, MIL-16630, Waldes 5102</i>	
92.08 (3.625")	2.77 +/-0.152	87.25 +/-0.076	85.10	CCE-09208-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0363KSF</i>	
92.08 (3.625")	2.77 +/-0.152	87.25 +/-0.076	85.14	CCE-09208-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0362</i>	
92.08 (3.625")	2.77 +/-0.152	87.25 +/-0.076	85.10	CCE-09208-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0363AZD</i>	
93.68 (3.688")	2.77 +0.00/-0.15	87.12 +/-0.08	85.85	CEB-09368-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0368, MIL-16630, Waldes 5102</i>	
93.68 (3.688")	2.77 +/-0.152	88.72 +/-0.076	86.60	CCE-09368-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0368KSF</i>	
93.68 (3.688")	2.77 +/-0.152	88.72 +/-0.076	86.61	CCE-09368-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0368</i>	
93.68 (3.688")	2.77 +/-0.152	88.72 +/-0.076	86.60	CCE-09368-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0368AZD</i>	
95.00 (3.740")	3.00 +0.00/-0.35	91.50 +0.00/-0.08	89.50	CCE-09500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A95X3, D1400-0950</i>	
95.00 (3.740")	3.00 +0.00/-0.35	91.50 +0.00/-0.08	89.50	CCE-09500-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A95X3SS, D1400-0950-KSF</i>	
95.00 (3.740")	4.00 +0.00/-0.35	91.50 +0.00/-0.10	89.50	CCE-09500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0950, AS95X4</i>	
95.25 (3.750")	2.77 +0.00/-0.15	88.60 +/-0.08	87.33	CEB-09525-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0375, MIL-16630, Waldes 5102</i>	
95.25 (3.750")	2.77 +/-0.152	90.25 +/-0.076	88.09	CCE-09525-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0375</i>	
95.25 (3.750")	2.77 +/-0.152	90.25 +/-0.076	88.10	CCE-09525-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0375AZD</i>	
95.25 (3.750")	2.77 +/-0.152	90.25 +/-0.076	88.10	CCE-09525-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0375KSF</i>	
97.00 (3.819")	3.00 +0.00/-0.35	93.15 +0.00/-0.08	90.20	CCE-09700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A97X3, D1400-0970</i>	
98.00 (3.858")	3.00 +0.00/-0.35	94.15 +0.00/-0.08	91.20	CCE-09800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A98X3, D1400-0980</i>	
98.43 (3.875")	2.77 +0.00/-0.15	91.54 +/-0.08	89.15	CEB-09843-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0387, MIL-16630, Waldes 5102</i>	
98.43 (3.875")	2.77 +/-0.152	93.19 +/-0.076	91.03	CCE-09843-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0387</i>	
98.43 (3.875")	2.77 +/-0.152	93.30 +/-0.076	91.00	CCE-09843-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0387KSF</i>	
98.43 (3.875")	2.77 +/-0.152	93.30 +/-0.076	91.00	CCE-09843-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0387AZD</i>	
100.00 (3.937")	3.00 +0.00/-0.35	96.50 +0.00/-0.08	94.50	CCE-10000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A100X3, D1400-1000</i>	
100.00 (3.937")	3.00 +0.00/-0.35	96.50 +0.00/-0.08	94.50	CCE-10000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-1000, Seeger AV, Ellison EXTV</i>	
100.00 (3.937")	4.00 +0.00/-0.35	96.50 +0.00/-0.10	94.50	CCE-10000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1000, AS100X4</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
100.01 (3.937")	2.77 +0.00/-0.15	93.00 +/-0.08	91.74	CEB-10001-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0393, MIL-16630, Waldes 5102</i>	
100.01 (3.937")	2.77 +/-0.152	94.78 +/-0.076	92.50	CCE-10001-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0393KSF</i>	
100.01 (3.937")	2.77 +/-0.152	94.78 +/-0.076	92.50	CCE-10001-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0393AZD</i>	
100.01 (3.937")	2.77 +/-0.152	94.78 +/-0.076	92.51	CCE-10001-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0393</i>	
100.01 (3.937")	2.77 +/- 0.152	94.84 +/- 0.076	92.51	CCE-10001-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0393, MIL-16626, Waldes 5108</i>	
101.60 (4.000")	2.77 +0.00/-0.15	94.49 +/-0.08	93.22	CEB-10160-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0400, MIL-16630, Waldes 5102</i>	
101.60 (4.000")	2.77 +/- 0.152	96.32 +/- 0.076	93.98	CCE-10160-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0400, MIL-16626, Waldes 5108</i>	
101.60 (4.000")	2.77 +/-0.152	96.32 +/-0.076	93.98	CCE-10160-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0400</i>	
101.60 (4.000")	2.77 +/-0.152	96.32 +/-0.076	94.00	CCE-10160-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0400KSF</i>	
101.60 (4.000")	2.77 +/-0.152	96.32 +/-0.076	94.00	CCE-10160-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0400AZD</i>	
102.00 (4.016")	4.00 +0.00/-0.54	98.00 +0.00/-0.10	96.20	CCE-10200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A102X4, D1400-1020</i>	
104.78 (4.125")	2.77 +/-0.152	99.60 +/-0.076	96.50	CCE-10478-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0412</i>	
105.00 (4.134")	4.00 +0.00/-0.54	101.00 +0.00/-0.10	98.00	CCE-10500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A105X4, D1400-1050</i>	
105.00 (4.134")	5.00 +0.00/-0.54	101.00 +0.00/-0.12	98.00	CCE-10500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1050, AS105X5</i>	
107.00 (4.213")	4.00 +0.00/-0.54	102.46 +0.00/-0.10	100.00	CCE-10700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A107X4, D1400-1070</i>	
107.95 (4.250")	2.77 +0.00/-0.15	101.83 +/-0.08	100.56	CEB-10795-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0425, MIL-16630, Waldes 5102</i>	
107.95 (4.250")	2.77 +/-0.152	103.19 +/-0.076	101.32	CCE-10795-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0425</i>	
107.95 (4.250")	2.77 +/-0.152	103.30 +/-0.076	101.30	CCE-10795-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0425KSF</i>	
107.95 (4.250")	2.77 +/-0.152	103.30 +/-0.076	101.30	CCE-10795-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0425AZD</i>	
108.00 (4.252")	4.00 +0.00/-0.54	103.46 +0.00/-0.10	101.00	CCE-10800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A108X4, D1400-1080</i>	
110.00 (4.331")	4.00 +0.00/-0.54	106.00 +0.00/-0.10	103.00	CCE-11000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A110X4, D1400-1100</i>	
110.00 (4.331")	4.00 +0.00/-0.54	106.00 +0.00/-0.10	103.00	CCE-11000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A110X4-411, D1400-1100KSF</i>	
110.00 (4.331")	5.00 +0.00/-0.54	106.00 +0.00/-0.12	102.80	CCE-11000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1100, AS110X5</i>	
111.00 (4.370")	4.00 +0.00/-0.54	107.00 +0.00/-0.10	103.00	CCE-11100-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A111X4, D1400-1110</i>	
111.00 (4.370")	4.00 +0.00/-0.54	107.00 +0.00/-0.10	103.00	CCE-11100-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A111X4-411, D1400-1110KSF</i>	
111.13 (4.375")	2.77 +0.00/-0.15	104.78 +/-0.08	103.53	CEB-11113-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0437, MIL-16630, Waldes 5102</i>	
111.13 (4.375")	2.77 +/-0.152	106.40 +/-0.076	104.30	CCE-11113-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0437</i>	
111.13 (4.375")	2.77 +/-0.152	106.40 +/-0.076	104.30	CCE-11113-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0437KSF</i>	
111.13 (4.375")	2.77 +/-0.152	106.40 +/-0.076	104.30	CCE-11113-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0437AZD</i>	
112.00 (4.409")	4.00 +0.00/-0.54	108.00 +0.00/-0.10	105.00	CCE-11200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A112X4, D1400-1120</i>	
114.30 (4.500")	2.77 +0.00/-0.15	107.77 +/-0.08	106.50	CEB-11430-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0450, MIL-16630, Waldes 5102</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
114.30 (4.500")	2.77 +/-0.152	109.50 +/-0.076	107.30	CCE-11430-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0450</i>	
114.30 (4.500")	2.77 +/-0.152	109.50 +/-0.076	107.30	CCE-11430-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0450KSF</i>	
114.30 (4.500")	2.77 +/-0.152	109.50 +/-0.076	107.30	CCE-11430-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0450AZD</i>	
115.00 (4.528")	4.00 +0.00/-0.54	111.00 +0.00/-0.10	108.00	CCE-11500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A115X4, D1400-1150</i>	
115.00 (4.528")	5.00 +0.00/-0.54	111.00 +0.00/-0.12	108.00	CCE-11500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1150, AS115X5</i>	
117.00 (4.606")	4.00 +0.00/-0.54	113.00 +0.00/-0.10	110.00	CCE-11700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A117X4, D1400-1170</i>	
118.00 (4.646")	4.00 +0.00/-0.54	114.00 +0.00/-0.10	110.00	CCE-11800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A118X4, D1400-1180</i>	
120.00 (4.724")	4.00 +0.00/-0.54	116.00 +0.00/-0.10	113.00	CCE-12000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A120X4, D1400-1200</i>	
120.00 (4.724")	4.00 +0.00/-0.54	116.00 +0.00/-0.10	113.00	** CCE-12000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A120X4-411, D1400-1200KSF</i>	
120.00 (4.724")	5.00 +0.00/-0.54	116.00 +0.00/-0.12	113.00	CCE-12000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1200, AS120X5, MD0471MQB120</i>	
120.65 (4.750")	2.77 +0.00/-0.15	113.71 +/-0.08	112.47	CEB-12065-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0475, MIL-16630, Waldes 5102</i>	
120.65 (4.750")	2.77 +/-0.152	115.57 +/-0.076	113.20	CCE-12065-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0475KSF</i>	
120.65 (4.750")	2.77 +/-0.152	115.57 +/-0.076	113.20	CCE-12065-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0475AZD</i>	
120.65 (4.750")	2.77 +/-0.152	115.57 +/-0.076	113.23	CCE-12065-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0475</i>	
122.00 (4.803")	4.00 +0.00/-0.54	118.00 +0.00/-0.10	115.00	CCE-12200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A122X4, D1400-1220</i>	
125.00 (4.921")	4.00 +0.00/-0.63	121.00 +0.00/-0.10	118.00	CCE-12500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A125X4, D1400-1250</i>	
125.00 (4.921")	5.00 +0.00/-0.63	121.00 +0.00/-0.12	118.00	CCE-12500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1250, AS125X5</i>	
127.00 (5.000")	2.77 +0.00/-0.15	119.68 +/-0.08	118.41	CEB-12700-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0500, MIL-16630, Waldes 5102</i>	
127.00 (5.000")	2.77 +/-0.152	121.70 +/-0.076	119.20	CCE-12700N-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0500</i>	
127.00 (5.000")	2.77 +/-0.152	121.70 +/-0.076	119.20	CCE-12700N-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0500KSF</i>	
127.00 (5.000")	2.77 +/-0.152	121.70 +/-0.076	119.20	CCE-12700N-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0500AZD</i>	
127.00 (5.000")	4.00 +0.00/-0.63	122.37 +0.00/-0.10	120.54	CCE-12700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A127X4, D1400-1270</i>	
128.00 (5.039")	4.00 +0.00/-0.63	123.37 +0.00/-0.10	121.54	CCE-12800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A128X4, D1400-1280</i>	
130.00 (5.118")	4.00 +0.00/-0.63	126.00 +0.00/-0.10	123.00	CCE-13000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A130X4, D1400-1300</i>	
130.00 (5.118")	5.00 +0.00/-0.63	126.00 +0.00/-0.12	123.00	CCE-13000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1300, AS130X5</i>	
132.00 (5.197")	4.00 +0.00/-0.63	128.00 +0.00/-0.10	125.00	CCE-13200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A132X4, D1400-1320</i>	
133.35 (5.250")	3.18 +0.00/-0.18	125.65 +/-0.10	124.13	CEB-13335-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0525, MIL-16630, Waldes 5102</i>	
133.35 (5.250")	3.18 +/-0.176	127.76 +/-0.102	125.15	CCE-13335-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0525</i>	
133.35 (5.250")	3.18 +/-0.176	127.76 +/-0.102	125.20	CCE-13335-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0525KSF</i>	
133.35 (5.250")	3.18 +/-0.176	127.76 +/-0.102	125.20	CCE-13335-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0525AZD</i>	
135.00 (5.315")	4.00 +0.00/-0.63	130.37 +0.00/-0.10	128.63	CCE-13500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A135X4, D1400-1350</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
135.00 (5.315")	5.00 +0.00/-0.63	131.00 +0.00/-0.12	128.00	CCE-13500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1350, AS135X5	
137.00 (5.394")	4.00 +0.00/-0.63	133.00 +0.00/-0.10	130.00	CCE-13700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A137X4, D1400-1370	
138.00 (5.433")	4.00 +0.00/-0.63	134.00 +0.00/-0.10	130.00	CCE-13800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A138X4, D1400-1380	
139.70 (5.500")	3.18 +0.00/-0.18	131.62 +/-0.10	130.10	CEB-13970-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0550, MIL-16630, Waldes 5102	
139.70 (5.500")	3.18 +/-0.176	133.71 +/-0.102	131.10	CCE-13970-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0550	
139.70 (5.500")	3.18 +/-0.176	133.71 +/-0.102	131.10	CCE-13970-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0550KSF	
139.70 (5.500")	3.18 +/-0.176	133.71 +/-0.102	131.10	CCE-13970-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0550AZD	
140.00 (5.512")	4.00 +0.00/-0.63	136.00 +0.00/-0.10	133.00	CCE-14000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A140X4, D1400-1400	
140.00 (5.512")	5.00 +0.00/-0.63	136.00 +0.00/-0.12	133.00	CCE-14000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1400, AS140X5	
142.00 (5.591")	4.00 +0.00/-0.63	138.00 +0.00/-0.10	135.00	CCE-14200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A142X4, D1400-1420	
145.00 (5.709")	4.00 +0.00/-0.63	140.37 +0.00/-0.10	138.63	CCE-14500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A145X4, D1400-1450	
145.00 (5.709")	5.00 +0.00/-0.63	141.00 +0.00/-0.12	138.00	CCE-14500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1450, AS145X5	
146.05 (5.750")	3.18 +0.00/-0.18	137.57 +/-0.10	136.04	CEB-14605-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0575, MIL-16630, Waldes 5102	
146.05 (5.750")	3.18 +/-0.176	139.83 +/-0.102	137.06	CCE-14605-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0575	
146.05 (5.750")	3.18 +/-0.176	139.83 +/-0.102	137.10	CCE-14605-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0575KSF	
146.05 (5.750")	3.18 +/-0.176	139.83 +/-0.102	137.10	CCE-14605-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0575AZD	
147.00 (5.787")	4.00 +0.00/-0.63	143.00 +0.00/-0.10	140.00	CCE-14700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A147X4, D1400-1470	
148.00 (5.827")	4.00 +0.00/-0.63	143.37 +0.00/-0.10	140.63	CCE-14800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A148X4, D1400-1480	
150.00 (5.906")	4.00 +0.00/-0.63	145.00 +0.00/-0.10	142.00	CCE-15000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A150X4, D1400-1500	
150.00 (5.906")	4.00 +0.00/-0.63	145.00 +0.00/-0.10	142.00	CCE-15000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A150X4-411, D1400-1500KSF	
150.00 (5.906")	5.00 +0.00/-0.63	145.00 +0.00/-0.12	142.00	CCE-15000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1500, AS150X5	
152.00 (5.984")	4.00 +0.00/-0.63	147.00 +0.00/-0.10	143.63	CCE-15200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A152X4, D1400-1520	
152.40 (6.000")	3.18 +0.00/-0.18	143.54 +/-0.10	142.01	CEB-15240-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0600, MIL-16630, Waldes 5102	
152.40 (6.000")	3.18 +/-0.176	145.92 +/-0.102	143.00	CCE-15240-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0600KSF	
152.40 (6.000")	3.18 +/-0.176	145.92 +/-0.102	143.00	CCE-15240-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0600AZD	
152.40 (6.000")	3.18 +/-0.176	145.92 +/-0.102	143.03	CCE-15240-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0600	
155.00 (6.102")	4.00 +0.00/-0.63	149.37 +0.00/-0.10	146.63	CCE-15500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A155X4, D1400-1550	
155.00 (6.102")	5.00 +0.00/-0.63	150.00 +0.00/-0.12	146.00	CCE-15500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1550, AS155X5	
157.00 (6.181")	4.00 +0.00/-0.63	152.00 +0.00/-0.10	148.00	CCE-15700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A157X4, D1400-1570	
158.00 (6.220")	4.00 +0.00/-0.63	153.00 +0.00/-0.10	148.00	CCE-15800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A158X4, D1400-1580	
158.75 (6.250")	3.18 +/-0.204	152.00 +/-0.127	149.00	CCE-15875-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0625	

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
158.75 (6.250")	3.18 +/-0.204	152.00 +/-0.127	149.00	CCE-15875-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0625KSF	
158.75 (6.250")	3.18 +/-0.204	152.00 +/-0.127	149.00	CCE-15875-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0625AZD	
158.75 (6.250")	3.96 +0.00/-0.20	149.50 +/-0.13	147.73	CEB-15875-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0625, MIL-16630, Waldes 5102	
160.00 (6.299")	4.00 +0.00/-0.63	155.00 +0.00/-0.10	151.00	CCE-16000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A160X4, D1400-1600	
160.00 (6.299")	5.00 +0.00/-0.63	155.00 +0.00/-0.12	151.00	CCE-16000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1600, AS160X5	
162.00 (6.378")	4.00 +0.00/-0.63	157.00 +0.00/-0.10	152.50	CCE-16200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A162X4, D1400-1620	
165.00 (6.496")	4.00 +0.00/-0.63	159.37 +0.00/-0.10	156.13	CCE-16500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A165X4, D1400-1650	
165.00 (6.496")	5.00 +0.00/-0.63	160.00 +0.00/-0.12	155.50	CCE-16500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1650, AS165X5	
165.10 (6.500")	3.96 +0.00/-0.20	155.45 +/-0.13	153.67	CEB-16510-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0650, MIL-16630, Waldes 5102	
165.10 (6.500")	3.96 +/-0.204	158.10 +/-0.127	154.90	CCE-16510-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0650	
165.10 (6.500")	3.96 +/-0.204	158.10 +/-0.127	154.90	CCE-16510-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0650KSF	
165.10 (6.500")	3.96 +/-0.204	158.10 +/-0.127	154.90	CCE-16510-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0650AZD	
167.00 (6.575")	4.00 +0.00/-0.63	162.00 +0.00/-0.10	157.50	CCE-16700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A167X4, D1400-1670	
168.00 (6.614")	4.00 +0.00/-0.63	162.00 +0.00/-0.10	158.13	CCE-16800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A168X4, D1400-1680	
170.00 (6.693")	4.00 +0.00/-0.63	165.00 +0.00/-0.10	160.50	CCE-17000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A170X4, D1400-1700	
170.00 (6.693")	5.00 +0.00/-0.63	165.00 +0.00/-0.12	160.50	CCE-17000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1700, AS170X5	
171.45 (6.750")	3.96 +0.00/-0.20	161.42 +/-0.13	159.64	CEB-17145-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0675, MIL-16630, Waldes 5102	
171.45 (6.750")	3.96 +/-0.204	164.20 +/-0.127	160.90	CCE-17145-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0675	
171.45 (6.750")	3.96 +/-0.204	164.20 +/-0.127	160.90	CCE-17145-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0675AZD	
172.00 (6.772")	4.00 +0.00/-0.63	167.00 +0.00/-0.10	160.50	CCE-17200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A172X4, D1400-1720	
175.00 (6.890")	4.00 +0.00/-0.63	169.37 +0.00/-0.10	166.13	CCE-17500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A175X4, D1400-1750	
175.00 (6.890")	5.00 +0.00/-0.63	170.00 +0.00/-0.12	165.50	CCE-17500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1750, AS175X5	
176.00 (6.929")	4.00 +0.00/-0.63	171.00 +0.00/-0.10	167.13	CCE-17600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A176X4, D1400-1760	
177.00 (6.969")	4.00 +0.00/-0.63	172.00 +0.00/-0.10	167.50	CCE-17700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A177X4, D1400-1770	
177.80 (7.000")	3.96 +0.00/-0.20	167.39 +/-0.13	165.61	CEB-17780-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0700, MIL-16630, Waldes 5102	
177.80 (7.000")	4.00 +/-0.204	170.30 +/-0.127	166.90	CCE-17780-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0700	
177.80 (7.000")	4.00 +/-0.204	170.30 +/-0.127	166.90	CCE-17780-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0700AZD	
178.00 (7.008")	4.00 +0.00/-0.63	173.00 +0.00/-0.10	171.13	CCE-17800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A178X4, D1400-1780	
180.00 (7.087")	4.00 +0.00/-0.63	175.00 +0.00/-0.10	170.50	CCE-18000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A180X4, D1400-1800	
180.00 (7.087")	5.00 +0.00/-0.63	175.00 +0.00/-0.12	170.50	CCE-18000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1800, AS180X5	
182.00 (7.165")	4.00 +0.00/-0.63	177.00 +0.00/-0.10	170.50	CCE-18200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A182X4, D1400-1820	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
184.15 (7.250")	4.80 +/-0.204	176.30 +/-0.127	172.10	CCE-18415-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0725	
185.00 (7.283")	4.00 +0.00/-0.63	179.37 +0.00/-0.10	176.13	CCE-18500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A185X4, D1400-1850	
185.00 (7.283")	5.00 +0.00/-0.63	180.00 +0.00/-0.12	175.50	CCE-18500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1850, AS185X5	
186.00 (7.323")	4.00 +0.00/-0.72	181.00 +0.00/-0.10	177.13	CCE-18600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A186X4, D1400-1860	
187.00 (7.362")	4.00 +0.00/-0.63	182.00 +0.00/-0.10	177.50	CCE-18700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A187X4, D1400-1870	
188.00 (7.402")	4.00 +0.00/-0.63	183.00 +0.00/-0.10	177.50	CCE-18800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A188X4, D1400-1880	
190.00 (7.480")	4.00 +0.00/-0.63	185.00 +0.00/-0.10	180.50	CCE-19000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A190X4, D1400-1900	
190.00 (7.480")	5.00 +0.00/-0.72	185.00 +0.00/-0.12	180.50	CCE-19000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1900, AS190X5	
190.50 (7.500")	4.75 +0.00/-0.20	179.30 +/-0.13	177.27	CEB-19050-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0750, MIL-16630, Waldes 5102	
190.50 (7.500")	4.75 +/-0.204	182.40 +/-0.127	178.00	CCE-19050-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0750	
190.50 (7.500")	4.75 +/-0.204	182.40 +/-0.127	178.00	CCE-19050-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0750KSF	
190.50 (7.500")	4.75 +/-0.204	182.40 +/-0.127	178.00	CCE-19050-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0750AZD	
192.00 (7.559")	4.00 +0.00/-0.72	187.00 +0.00/-0.10	180.50	CCE-19200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A192X4, D1400-1920	
195.00 (7.677")	4.00 +0.00/-0.72	190.00 +0.00/-0.10	186.22	CCE-19500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A195X4, D1400-1950	
195.00 (7.677")	5.00 +0.00/-0.72	190.00 +0.00/-0.12	185.50	CCE-19500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1950, AS195X5	
196.85 (7.750")	4.80 +/-0.204	188.50 +/-0.127	184.00	CCE-19685-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0775	
196.85 (7.750")	4.80 +/-0.204	188.50 +/-0.127	184.00	CCE-19685-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0775AZD	
197.00 (7.756")	4.00 +0.00/-0.72	192.00 +0.00/-0.10	187.50	CCE-19700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A197X4, D1400-1970	
198.00 (7.795")	4.00 +0.00/-0.72	193.00 +0.00/-0.10	187.50	CCE-19800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A198X4, D1400-1980	
200.00 (7.874")	4.00 +0.00/-0.72	194.28 +0.00/-0.10	191.22	CCE-20000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A200X4, D1400-2000	
200.00 (7.874")	5.00 +0.00/-0.72	195.00 +0.00/-0.12	190.50	CCE-20000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-2000, AS200X5	
202.00 (7.953")	5.00 +0.00/-0.72	196.00 +0.00/-0.10	190.00	CCE-20200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A202X5, D1400-2020	
203.20 (8.000")	4.75 +0.00/-0.20	191.21 +/-0.13	189.18	CEB-20320-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0800, MIL-16630, Waldes 5102	
203.20 (8.000")	4.75 +/-0.204	194.46 +/-0.127	189.90	CCE-20320-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0800AZD	
203.20 (8.000")	4.75 +/-0.204	194.46 +/-0.127	189.94	CCE-20320-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0800, A203X4.8	
205.00 (8.071")	5.00 +0.00/-0.72	199.00 +0.00/-0.12	193.00	CCE-20500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A205X5, D1400-2050	
207.00 (8.150")	5.00 +0.00/-0.72	201.00 +0.00/-0.12	193.00	CCE-20700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A207X5, D1400-2070	
208.00 (8.189")	5.00 +0.00/-0.72	202.00 +0.00/-0.12	193.00	CCE-20800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A208X5, D1400-2080	
209.55 (8.250")	4.80 +/-0.204	200.70 +/-0.127	195.90	CCE-20955-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0825	
209.55 (8.250")	4.80 +/-0.204	200.70 +/-0.127	195.90	CCE-20955-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0825AZD	
210.00 (8.268")	5.00 +0.00/-0.72	203.19 +0.00/-0.12	198.72	CCE-21000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A210X5, D1400-2100	

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Circlips - External					
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description
212.00 (8.346")	5.00 +0.00/-0.72	206.00 +0.00/-0.12	198.00	CCE-21200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A212X5, D1400-2120</i>
215.00 (8.465")	5.00 +0.00/-0.72	208.28 +0.00/-0.12	203.72	CCE-21500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A215X5, D1400-2150</i>
215.90 (8.500")	4.75 +0.00/-0.20	203.12 +/-0.13	201.09	CEB-21590-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0850, MIL-16630, Waldes 5102</i>
215.90 (8.500")	4.75 +/-0.204	206.80 +/-0.127	201.90	CCE-21590-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0850</i>
215.90 (8.500")	4.75 +/-0.204	206.80 +/-0.127	201.90	CCE-21590-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0850AZD</i>
217.00 (8.543")	5.00 +0.00/-0.72	211.00 +0.00/-0.12	203.00	CCE-21700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A217X5, D1400-2170</i>
218.00 (8.583")	5.00 +0.00/-0.72	212.00 +0.00/-0.12	203.00	CCE-21800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A218X5, D1400-2180</i>
220.00 (8.661")	5.00 +0.00/-0.72	214.00 +0.00/-0.12	208.00	CCE-22000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A220X5, D1400-2200</i>
222.00 (8.740")	5.00 +0.00/-0.72	216.00 +0.00/-0.12	208.00	CCE-22200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A222X5, D1400-2220</i>
222.25 (8.750")	4.80 +/-0.204	212.90 +/-0.127	207.80	CCE-22225-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0875</i>
222.25 (8.750")	4.80 +/-0.204	212.90 +/-0.127	207.80	CCE-22225-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0875AZD</i>
225.00 (8.858")	5.00 +0.00/-0.72	219.00 +0.00/-0.12	213.72	CCE-22500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A225X5, D1400-2250</i>
227.00 (8.937")	5.00 +0.00/-0.72	221.00 +0.00/-0.12	213.00	CCE-22700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A227X5, D1400-2270</i>
228.00 (8.976")	5.00 +0.00/-0.72	222.00 +0.00/-0.12	213.00	CCE-22800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A228X5, D1400-2280</i>
228.60 (9.000")	4.75 +0.00/-0.20	215.01 +/-0.13	212.98	CEB-22860-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0900, MIL-16630, Waldes 5102</i>
228.60 (9.000")	4.75 +/-0.204	219.00 +/-0.127	213.70	CCE-22860-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0900</i>
228.60 (9.000")	4.75 +/-0.204	219.00 +/-0.127	213.70	CCE-22860-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0900AZD</i>
230.00 (9.055")	5.00 +0.00/-0.72	224.00 +0.00/-0.12	218.00	CCE-23000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A230X5, D1400-2300</i>
232.00 (9.134")	5.00 +0.00/-0.72	226.00 +0.00/-0.12	218.00	CCE-23200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A232X5, D1400-2320</i>
234.95 (9.250")	4.80 +/-0.204	225.00 +/-0.127	219.70	CCE-23495-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0925</i>
235.00 (9.252")	5.00 +0.00/-0.72	229.00 +0.00/-0.12	223.00	CCE-23500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A235X5, D1400-2350</i>
237.00 (9.331")	5.00 +0.00/-0.72	231.00 +0.00/-0.12	223.00	CCE-23700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A237X5, D1400-2370</i>
238.00 (9.370")	5.00 +0.00/-0.72	232.00 +0.00/-0.12	223.00	CCE-23800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A238X5, D1400-2380</i>
240.00 (9.449")	5.00 +0.00/-0.72	234.00 +0.00/-0.12	228.00	CCE-24000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A240X5, D1400-2400</i>
241.30 (9.500")	4.75 +0.00/-0.20	226.95 +/-0.13	224.92	CEB-24130-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0950, MIL-16630, Waldes 5102</i>
241.30 (9.500")	4.75 +/-0.204	231.10 +/-0.127	225.70	CCE-24130-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0950</i>
241.30 (9.500")	4.75 +/-0.204	231.10 +/-0.127	225.70	CCE-24130-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0950KSF</i>
241.30 (9.500")	4.75 +/-0.204	231.10 +/-0.127	225.70	CCE-24130-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0950AZD</i>
242.00 (9.528")	5.00 +0.00/-0.72	236.00 +0.00/-0.12	228.00	CCE-24200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A242X5, D1400-2420</i>
245.00 (9.646")	5.00 +0.00/-0.72	239.00 +0.00/-0.12	233.00	CCE-24500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A245X5, D1400-2450</i>
247.00 (9.724")	5.00 +0.00/-0.72	241.00 +0.00/-0.12	233.00	CCE-24700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A247X5, D1400-2470</i>

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Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
247.65 (9.750")	4.80 +/-0.204	237.20 +/-0.127	231.70	CCE-24765-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0975	
248.00 (9.764")	5.00 +0.00/-0.72	242.00 +0.00/-0.12	233.00	CCE-24800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A248X5, D1400-2480	
250.00 (9.843")	5.00 +0.00/-0.72	243.19 +0.00/-0.12	238.72	CCE-25000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A250X5, D1400-2500	
252.00 (9.921")	5.00 +0.00/-0.72	244.00 +0.00/-0.12	238.00	CCE-25200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A252X5, D1400-2520	
254.00 (10.000")	4.75 +0.00/-0.20	238.89 +/-0.13	236.86	CEB-25400-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-1000, MIL-16630, Waldes 5102	
254.00 (10.000")	4.75 +/-0.204	243.18 +/-0.127	237.60	CCE-25400-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-1000	
255.00 (10.039")	5.00 +0.00/-0.72	246.28 +0.00/-0.12	240.72	CCE-25500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A255X5, D1400-2550	
257.00 (10.118")	5.00 +0.00/-0.72	249.00 +0.00/-0.12	240.00	CCE-25700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A257X5, D1400-2570	
258.00 (10.157")	5.00 +0.00/-0.72	250.00 +0.00/-0.12	240.00	CCE-25800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A258X5, D1400-2580	
260.00 (10.236")	5.00 +0.00/-0.81	251.19 +0.00/-0.12	245.72	CCE-26000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A260X5, D1400-2600	
262.00 (10.315")	5.00 +0.00/-0.81	254.00 +0.00/-0.12	245.00	CCE-26200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A262X5, D1400-2620	
265.00 (10.433")	5.00 +0.00/-0.81	257.00 +0.00/-0.12	250.00	CCE-26500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A265X5, D1400-2650	
267.00 (10.512")	5.00 +0.00/-0.81	259.00 +0.00/-0.12	250.00	CCE-26700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A267X5, D1400-2670	
268.00 (10.551")	5.00 +0.00/-0.81	260.00 +0.00/-0.12	250.00	CCE-26800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A268X5, D1400-2680	
270.00 (10.630")	5.00 +0.00/-0.81	262.00 +0.00/-0.12	255.00	CCE-27000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A270X5, D1400-2700	
272.00 (10.709")	5.00 +0.00/-0.81	264.00 +0.00/-0.12	255.00	CCE-27200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A272X5, D1400-2720	
275.00 (10.827")	5.00 +0.00/-0.81	267.00 +0.00/-0.12	260.00	CCE-27500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A275X5, D1400-2750	
277.00 (10.906")	5.00 +0.00/-0.81	269.00 +0.00/-0.12	260.00	CCE-27700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A277X5, D1400-2770	
278.00 (10.945")	5.00 +0.00/-0.81	270.00 +0.00/-0.12	260.00	CCE-27800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A278X5, D1400-2780	
280.00 (11.024")	5.00 +0.00/-0.81	271.19 +0.00/-0.12	265.81	CCE-28000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A280X5, D1400-2800	
282.00 (11.102")	5.00 +0.00/-0.81	274.00 +0.00/-0.12	265.00	CCE-28200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A282X5, D1400-2820	
285.00 (11.220")	5.00 +0.00/-0.81	277.00 +0.00/-0.12	270.00	CCE-28500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A285X5, D1400-2850	
287.00 (11.299")	5.00 +0.00/-0.81	279.00 +0.00/-0.12	270.00	CCE-28700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A287X5, D1400-2870	
288.00 (11.339")	5.00 +0.00/-0.81	280.00 +0.00/-0.12	270.00	CCE-28800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A288X5, D1400-2880	
290.00 (11.417")	5.00 +0.00/-0.81	281.19 +0.00/-0.12	275.81	CCE-29000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A290X5, D1400-2900	
292.00 (11.496")	5.00 +0.00/-0.81	284.00 +0.00/-0.12	275.00	CCE-29200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A292X5, D1400-2920	
295.00 (11.614")	5.00 +0.00/-0.81	287.00 +0.00/-0.12	280.00	CCE-29500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A295X5, D1400-2950	
297.00 (11.693")	5.00 +0.00/-0.81	289.00 +0.00/-0.12	280.00	CCE-29700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A297X5, D1400-2970	
298.00 (11.732")	5.00 +0.00/-0.81	290.00 +0.00/-0.12	280.00	CCE-29800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A298X5, D1400-2980	
300.00 (11.811")	5.00 +0.00/-0.81	291.19 +0.00/-0.12	285.81	CCE-30000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A300X5, D1400-3000	
305.00 (12.008")	6.00 +0.00/-0.81	295.00 +0.00/-0.15	288.00	CCE-30500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A305X6, D1400-3050	

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
 Not in current production



Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
310.00 (12.205")	6.00 <i>+0.00/-0.81</i>	300.00 <i>+0.00/-0.15</i>	293.00	CCE-31000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A310X6, D1400-3100</i>	
315.00 (12.402")	6.00 <i>+0.00/-0.81</i>	305.00 <i>+0.00/-0.15</i>	293.00	CCE-31500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A315X6, D1400-3150</i>	
320.00 (12.598")	6.00 <i>+0.00/-0.81</i>	309.19 <i>+0.00/-0.15</i>	303.81	CCE-32000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A320X6, D1400-3200</i>	
325.00 (12.795")	6.00 <i>+0.00/-0.89</i>	315.00 <i>+0.00/-0.15</i>	308.00	CCE-32500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A325X6, D1400-3250</i>	
330.00 (12.992")	6.00 <i>+0.00/-0.89</i>	319.11 <i>+0.00/-0.15</i>	313.81	CCE-33000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A330X6, D1400-3300</i>	
335.00 (13.189")	6.00 <i>+0.00/-0.89</i>	325.00 <i>+0.00/-0.15</i>	318.00	CCE-33500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A335X6, D1400-3350</i>	
340.00 (13.386")	6.00 <i>+0.00/-0.89</i>	330.00 <i>+0.00/-0.15</i>	323.00	CCE-34000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A340X6, D1400-3400</i>	
345.00 (13.583")	6.00 <i>+0.00/-0.89</i>	335.00 <i>+0.00/-0.15</i>	328.00	CCE-34500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A345X6, D1400-3450</i>	
350.00 (13.780")	6.00 <i>+0.00/-0.89</i>	340.00 <i>+0.00/-0.15</i>	333.00	CCE-35000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A350X6, D1400-3500</i>	
355.00 (13.976")	6.00 <i>+0.00/-0.89</i>	345.00 <i>+0.00/-0.15</i>	338.00	CCE-35500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A355X6, D1400-3550</i>	
360.00 (14.173")	6.00 <i>+0.00/-0.89</i>	349.11 <i>+0.00/-0.15</i>	343.90	CCE-36000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A360X6, D1400-3600</i>	
365.00 (14.370")	6.00 <i>+0.00/-0.89</i>	355.00 <i>+0.00/-0.15</i>	348.00	CCE-36500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A365X6, D1400-3650</i>	
370.00 (14.567")	6.00 <i>+0.00/-0.89</i>	360.00 <i>+0.00/-0.15</i>	353.00	CCE-37000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A370X6, D1400-3700</i>	
380.00 (14.961")	6.00 <i>+0.00/-0.89</i>	365.00 <i>+0.00/-0.15</i>	358.00	CCE-37500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A380X6, D1400-3800</i>	
380.00 (14.961")	6.00 <i>+0.00/-0.89</i>	369.11 <i>+0.00/-0.15</i>	363.90	CCE-38000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A380X6, D1400-3800</i>	
385.00 (15.157")	6.00 <i>+0.00/-0.89</i>	375.00 <i>+0.00/-0.15</i>	368.00	CCE-38500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A385X6, D1400-3850</i>	
390.00 (15.354")	6.00 <i>+0.00/-0.89</i>	380.00 <i>+0.00/-0.15</i>	373.00	CCE-39000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A390X6, D1400-3900</i>	
395.00 (15.551")	6.00 <i>+0.00/-0.89</i>	385.00 <i>+0.00/-0.15</i>	378.00	CCE-39500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A395X6, D1400-3950</i>	
400.00 (15.748")	6.00 <i>+0.00/-0.89</i>	390.00 <i>+0.00/-0.15</i>	383.00	CCE-40000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A400X6, D1400-4000</i>	
410.00 (16.142")	7.00 <i>+0.00/-0.89</i>	398.00 <i>+0.00/-0.15</i>	390.00	CCE-41000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A410X7, D1400-4100</i>	
420.00 (16.535")	7.00 <i>+0.00/-1.00</i>	408.00 <i>+0.00/-0.15</i>	400.00	CCE-42000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A420X7, D1400-4200</i>	
430.00 (16.929")	7.00 <i>+0.00/-1.00</i>	418.00 <i>+0.00/-0.15</i>	410.00	CCE-43000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A430X7, D1400-4300</i>	
440.00 (17.323")	7.00 <i>+0.00/-1.00</i>	428.00 <i>+0.00/-0.15</i>	420.00	CCE-44000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A440X7, D1400-4400</i>	
450.00 (17.717")	7.00 <i>+0.00/-1.00</i>	438.00 <i>+0.00/-0.15</i>	430.00	CCE-45000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A450X7, D1400-4500</i>	
460.00 (18.110")	7.00 <i>+0.00/-1.00</i>	448.00 <i>+0.00/-0.15</i>	440.00	CCE-46000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A460X7, D1400-4600</i>	
470.00 (18.504")	7.00 <i>+0.00/-1.00</i>	458.00 <i>+0.00/-0.15</i>	450.00	CCE-47000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A470X7, D1400-4700</i>	
480.00 (18.898")	7.00 <i>+0.00/-1.00</i>	468.00 <i>+0.00/-0.15</i>	460.00	CCE-48000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A480X7, D1400-4800</i>	
490.00 (19.291")	7.00 <i>+0.00/-1.00</i>	478.00 <i>+0.00/-0.15</i>	470.00	CCE-49000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A490X7, D1400-4900</i>	
500.00 (19.685")	7.00 <i>+0.00/-1.00</i>	488.00 <i>+0.00/-0.15</i>	480.00	CCE-50000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A500X7, D1400-5000</i>	
510.00 (20.079")	8.00 <i>+0.00/-1.00</i>	496.00 <i>+0.00/-0.15</i>	485.00	CCE-51000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A510X8, D1400-5100</i>	
520.00 (20.472")	8.00 <i>+0.00/-1.00</i>	506.00 <i>+0.00/-0.15</i>	495.00	CCE-52000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A520X8, D1400-5200</i>	



Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - External						
Shaft Diameter (Ds) (mm)	Clip Thickness (T) (mm)	Groove Dia. (Dg) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
530.00 (20.866")	8.00 +0.00/-1.00	516.00 +0.00/-0.15	505.00	CCE-53000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A530X8, D1400-5300</i>	
540.00 (21.260")	8.00 +0.00/-1.00	526.00 +0.00/-0.15	515.00	CCE-54000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A540X8, D1400-5400</i>	
550.00 (21.654")	8.00 +0.00/-1.00	536.00 +0.00/-0.15	525.00	CCE-55000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A550X8, D1400-5500</i>	
560.00 (22.047")	8.00 +0.00/-1.00	546.00 +0.00/-0.15	535.00	CCE-56000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A560X8, D1400-5600</i>	
570.00 (22.441")	8.00 +0.00/-1.00	556.00 +0.00/-0.15	545.00	CCE-57000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A570X8, D1400-5700</i>	
580.00 (22.835")	8.00 +0.00/-1.00	566.00 +0.00/-0.15	555.00	CCE-58000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A580X8, D1400-5800</i>	
590.00 (23.228")	8.00 +0.00/-1.00	576.00 +0.00/-0.15	565.00	CCE-59000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A590X8, D1400-5900</i>	
600.00 (23.622")	8.00 +0.00/-1.00	586.00 +0.00/-0.15	575.00	CCE-60000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A600X8, D1400-6000</i>	
650.00 (25.591")	9.00 +0.00/-1.00	634.00 +0.00/-0.20	620.00	CCE-65000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A650X9, D1400-6500</i>	
700.00 (27.559")	9.00 +0.00/-1.00	684.00 +0.00/-0.20	670.00	CCE-70000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A700X9, D1400-7000</i>	
750.00 (29.528")	9.00 +0.00/-1.00	732.00 +0.00/-0.20	715.00	CCE-75000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A750X9, D1400-7500</i>	
800.00 (31.496")	9.00 +0.00/-1.00	782.00 +0.00/-0.20	765.00	CCE-80000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A800X9, D1400-8000</i>	
850.00 (33.465")	9.00 +0.00/-1.00	830.00 +0.00/-0.20	810.00	CCE-85000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A850X9, D1400-8500</i>	
900.00 (35.433")	9.00 +0.00/-1.00	880.00 +0.00/-0.20	860.00	CCE-90000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A900X9, D1400-9000</i>	
950.00 (37.402")	9.00 +0.00/-1.00	928.00 +0.00/-0.20	900.00	CCE-95000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A950X9, D1400-9500</i>	

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
6.35 (0.250")	0.31 +/-0.025	6.81 +0.00/-0.05	7.11	CCI-00635-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0025APP, Ellison 9000, MIL-16625</i>	
6.35 (0.250")	0.31 +/-0.025	6.81 +0.00/-0.05	7.11	CCI-00635-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0025BDS, A 9Y28-25</i>	
6.35 (0.250")	0.31 +/-0.025	6.81 +0.00/-0.05	7.11	CCI-00635-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0025AZD, Ellison 9000, MIL-16625</i>	
7.94 (0.313")	0.31 +/-0.025	8.38 +0.00/-0.05	8.79	CCI-00794-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0031APP, Ellison 9000, MIL-16625</i>	
7.94 (0.313")	0.31 +/-0.025	8.38 +0.00/-0.05	8.79	CCI-00794-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0031BDS, A 9Y28-31</i>	
7.94 (0.313")	0.31 +/-0.025	8.38 +0.00/-0.05	8.79	CCI-00794-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0031AZD, Ellison 9000, MIL-16625</i>	
8.00 (0.315")	0.80 +0.09/-0.00	8.40 +0.00/-0.05	8.70	CCI-00800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J8X0.8, D1300-0080APP</i>	
8.00 (0.315")	0.80 +0.09/-0.00	8.40 +0.00/-0.05	8.70	CCI-00800-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J8X0.8-411, D1300-0080KSF</i>	
9.00 (0.354")	0.80 +0.09/-0.00	9.40 +0.00/-0.05	9.80	CCI-00900-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J9X0.8, D1300-0090APP</i>	
9.00 (0.354")	0.80 +0.09/-0.00	9.40 +0.00/-0.05	9.80	CCI-00900-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J9X0.8-411, D1300-0090KSF</i>	
9.53 (0.375")	0.64 +/-0.050	10.08 +0.00/-0.05	10.54	CCI-00953-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0037APP, Ellison 9000, MIL-16625</i>	
9.53 (0.375")	0.64 +/-0.050	10.08 +0.00/-0.05	10.54	CCI-00953-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0037BDS, A 9Y28-37</i>	
9.53 (0.375")	0.64 +/-0.050	10.08 +0.00/-0.05	10.54	CCI-00953-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0037AZD, Ellison 9000, MIL-16625</i>	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
10.00	(0.394") +0.11/-0.00	0.60 +0.00/-0.05	10.50	10.90	CCI-01000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0100, Ellison INTV, Seeger JV
10.00	(0.394") +0.11/-0.00	1.00 +0.00/-0.06	10.40	10.80	CCI-01000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J10X1, D1300-0100APP
10.00	(0.394") +0.11/-0.00	1.00 +0.00/-0.06	10.40	10.80	CCI-01000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J10X1-411, D1300-0100KSF
11.00	(0.433") +0.11/-0.00	1.00 +0.00/-0.06	11.40	11.80	CCI-01100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J11X1, D1300-0110APP
11.00	(0.433") +0.11/-0.00	1.00 +0.00/-0.06	11.40	11.80	CCI-01100-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J11X1-411, D1300-0110KSF
11.11	(0.437") +/-0.050	0.64 +0.00/-0.06	11.71	12.24	CCI-01111-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0043APP, Ellison 9000, MIL-16625
11.11	(0.437") +/-0.050	0.64 +0.00/-0.06	11.71	12.24	CCI-01111-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0043BDS, Ellison 9000, MIL-16625
11.11	(0.437") +/-0.050	0.64 +0.00/-0.06	11.71	12.24	CCI-01111-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0043AZD, Ellison 9000, MIL-16625
11.51	(0.453") +/-0.050	0.64 +0.00/-0.06	12.12	12.65	CCI-01151-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0045APP, Ellison 9000, MIL-16625
11.51	(0.453") +/-0.050	0.64 +0.00/-0.06	12.12	12.65	CCI-01151-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0045BDS, Ellison 9000, MIL-16625
11.51	(0.453") +/-0.050	0.64 +0.00/-0.06	12.12	12.65	CCI-01151-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0045AZD, Ellison 9000, MIL-16625
12.00	(0.472") +0.11/-0.00	0.60 +0.00/-0.05	12.60	13.10	CCI-01200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0120, Ellison INTV, Seeger JV
12.00	(0.472") +0.11/-0.00	1.00 +0.00/-0.06	12.50	13.00	CCI-01200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J12X1, D1300-0120APP
12.00	(0.472") +0.11/-0.00	1.00 +0.00/-0.06	12.50	13.00	CCI-01200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J12X1-411, D1300-0120KSF
12.70	(0.500") +/-0.050	0.89 +0.00/-0.06	13.46	13.92	CCI-01270-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0050APP, J1/2X.039IN
12.70	(0.500") +/-0.050	0.89 +0.00/-0.06	13.46	13.92	CCI-01270-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0050BDS, A 9Y28-50
12.70	(0.500") +/-0.050	0.89 +0.00/-0.06	13.46	13.92	CCI-01270-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0050AZD, Ellison 9000, MIL-16625
12.95	(0.510") +/-0.050	0.89 +0.00/-0.06	13.72	14.22	CCI-01295-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0051APP, Ellison 9000, MIL-16625
12.95	(0.510") +/-0.050	0.89 +0.00/-0.06	13.72	14.22	CCI-01295-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0051BDS, Ellison 9000, MIL-16625
13.00	(0.512") +0.11/-0.00	1.00 +0.00/-0.06	13.60	14.10	CCI-01300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J13X1, D1300-0130APP
13.00	(0.512") +0.11/-0.00	1.00 +0.00/-0.06	13.60	14.10	CCI-01300-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J13X1-411, D1300-0130KSF
14.00	(0.551") +0.11/-0.00	1.00 +0.00/-0.06	14.60	15.10	CCI-01400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J14X1, D1300-0140APP
14.00	(0.551") +0.11/-0.00	1.00 +0.00/-0.06	14.60	15.10	CCI-01400-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J14X1-411, D1300-0140KSF
14.29	(0.563") +/-0.050	0.89 +0.00/-0.06	15.14	15.75	CCI-01429-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0056APP, Ellison 9000, MIL-16625
14.29	(0.563") +/-0.050	0.89 +0.00/-0.06	15.14	15.75	CCI-01429-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0056BDS, Ellison 9000, MIL-16625
14.29	(0.563") +/-0.050	0.89 +0.00/-0.06	15.14	15.75	CCI-01429-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0056AZD, Ellison 9000, MIL-16625
15.00	(0.591") +0.11/-0.00	0.80 +0.00/-0.05	15.70	16.10	CCI-01500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0150, Ellison INTV, Seeger JV
15.00	(0.591") +0.11/-0.00	1.00 +0.00/-0.06	15.70	16.20	CCI-01500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J15X1, D1300-0150APP
15.00	(0.591") +0.11/-0.00	1.00 +0.00/-0.06	15.70	16.20	CCI-01500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J15X1-411, D1300-0150KSF
15.88	(0.625") +/-0.050	0.64 +/-0.052	16.89	17.63	CCI-01588-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0062, Waldes 5008, MIL 16627
15.88	(0.625") +/-0.050	0.89 +0.00/-0.06	16.89	17.63	CCI-01588-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0062APP, Ellison 9000, MIL-16625

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
15.88 (0.625")	0.89 +/-0.050	16.89 +0.00/-0.06	17.63	CCI-01588-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0062BDS, Ellison 9000, MIL-16625	
15.88 (0.625")	0.89 +/-0.050	16.89 +0.00/-0.06	17.63	CCI-01588-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0062AZD, Ellison 9000, MIL-16625	
16.00 (0.630")	1.00 +0.11/-0.00	16.80 +0.00/-0.06	17.30	CCI-01600-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0160, Ellison INTV, Seeger JV	
16.00 (0.630")	1.00 +0.11/-0.00	16.80 +0.00/-0.06	17.30	CCI-01600-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J16X1, D1300-0160APP	
16.00 (0.630")	1.00 +0.11/-0.00	16.80 +0.00/-0.06	17.30	CCI-01600-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J16X1-411, D1300-0160KSF	
17.00 (0.669")	1.00 +0.11/-0.00	17.80 +0.00/-0.06	18.30	CCI-01700-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0170, Ellison INTV, Seeger JV	
17.00 (0.669")	1.00 +0.13/-0.00	17.80 +0.00/-0.06	18.30	CCI-01700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J17X1, D1300-0170APP	
17.00 (0.669")	1.00 +0.13/-0.00	17.80 +0.00/-0.06	18.30	CCI-01700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J17X1-411, D1300-0170KSF	
17.46 (0.687")	0.89 +/-0.050	18.59 +0.00/-0.06	19.38	CCI-01746-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0068APP, Ellison 9000, MIL-16625	
17.46 (0.687")	0.89 +/-0.050	18.59 +0.00/-0.06	19.38	CCI-01746-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0068BDS, Ellison 9000, MIL-16625	
17.46 (0.687")	0.89 +/-0.050	18.59 +0.00/-0.06	19.38	CCI-01746-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0068AZD, Ellison 9000, MIL-16625	
18.00 (0.709")	1.00 +0.15/-0.00	19.00 +0.00/-0.06	19.50	CCI-01800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0180, Ellison INTV, Seeger JV	
18.00 (0.709")	1.00 +0.13/-0.00	19.00 +0.00/-0.06	19.50	CCI-01800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J18X1, D1300-0180APP	
18.00 (0.709")	1.00 +0.13/-0.00	19.00 +0.00/-0.06	19.50	CCI-01800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J18X1-411, D1300-0180KSF	
19.00 (0.748")	1.00 +0.15/-0.00	20.00 +0.00/-0.06	20.50	CCI-01900-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0190, Ellison INTV, Seeger JV	
19.00 (0.748")	1.00 +0.13/-0.00	20.00 +0.00/-0.06	20.50	CCI-01900-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J19X1, D1300-0190APP	
19.00 (0.748")	1.00 +0.13/-0.00	20.00 +0.00/-0.06	20.50	CCI-01900-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J19X1-411, D1300-0190KSF	
19.05 (0.750")	0.89 +/-0.050	20.22 +0.00/-0.06	21.11	CCI-01905-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0075APP, Ellison 9000, MIL-16625	
19.05 (0.750")	0.89 +/-0.050	20.22 +0.00/-0.06	21.11	CCI-01905-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0075BDS, A 9Y28-75	
19.05 (0.750")	0.89 +/-0.050	20.22 +0.00/-0.06	21.11	CCI-01905-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0075AZD, Ellison 9000, MIL-16625	
19.05 (0.750")	0.89 +/-0.050	20.22 +/-0.052	21.11	CCI-01905-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0075, Waldes 5008, MIL 16627	
19.74 (0.777")	1.07 +/-0.075	20.96 +0.00/-0.06	21.82	CCI-01974-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0077APP, Ellison 9000, MIL-16625	
19.74 (0.777")	1.07 +/-0.075	20.96 +0.00/-0.06	21.82	CCI-01974-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0077BDS, Ellison 9000, MIL-16625	
19.74 (0.777")	1.07 +/-0.075	20.96 +0.00/-0.06	21.82	CCI-01974-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0077AZD, Ellison 9000, MIL-16625	
20.00 (0.787")	1.00 +0.13/-0.00	21.00 +0.00/-0.06	21.50	CCI-02000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J20X1, D1300-0200APP	
20.00 (0.787")	1.00 +0.13/-0.00	21.00 +0.00/-0.06	21.50	CCI-02000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J20X1-411, D1300-0200KSF	
20.00 (0.787")	1.00 +0.15/-0.00	21.00 +0.00/-0.06	21.63	CCI-02000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0200, Ellison INTV, Seeger JV	
20.00 (0.787")	1.50 +0.15/-0.00	21.00 +0.00/-0.06	21.50	CCI-02000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0200, JS20X2	
20.64 (0.813")	1.07 +/-0.076	21.89 +/-0.052	22.89	CCI-02063-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0081, Waldes 5008, MIL 16627	
20.64 (0.813")	1.07 +/-0.075	21.89 +0.00/-0.06	22.89	CCI-02064-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0081APP, Ellison 9000, MIL-16625	
20.64 (0.813")	1.07 +/-0.075	21.89 +0.00/-0.06	22.89	CCI-02064-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0081BDS, Ellison 9000, MIL-16625	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
20.64 (0.813")	1.07 +/-0.075	21.89 +0.00/-0.06	22.89	CCI-02064-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0081AZD, Ellison 9000, MIL-16625	
21.00 (0.827")	1.00 +0.15/-0.00	22.00 +0.00/-0.06	22.50	CCI-02100-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0210, Ellison INTV, Seeger JV	
21.00 (0.827")	1.00 +0.13/-0.00	22.00 +0.00/-0.06	22.50	CCI-02100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J21X1, D1300-0210APP	
21.00 (0.827")	1.00 +0.13/-0.00	22.00 +0.00/-0.06	22.50	CCI-02100-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J21X1-411, D1300-0210KSF	
22.00 (0.866")	1.00 +0.15/-0.00	23.00 +0.00/-0.06	23.50	CCI-02200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0220, Ellison INTV, Seeger JV	
22.00 (0.866")	1.00 +/-0.075	23.00 +0.00/-0.06	23.50	CCI-02200N-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: D1300-0220APP, Ellison 9000, MIL-16625	
22.00 (0.866")	1.00 +/-0.075	23.00 +0.00/-0.06	23.50	CCI-02200N-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0086BDS, Ellison 9000, MIL-16625	
22.00 (0.866")	1.00 +/-0.075	23.00 +0.00/-0.06	23.50	CCI-02200N-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0086AZD, Ellison 9000, MIL-16625	
22.00 (0.866")	1.00 +0.15/-0.00	23.00 +0.00/-0.06	23.50	CCI-02200-S15-V	Circlips - Internal - Inverted Stainless Steel PH15-7 Mo: M1308-0220KSF, Ellison INTV, Seeger JV	
22.00 (0.866")	1.07 +0.13/-0.00	23.37 +0.00/-0.06	24.41	CCI-02200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J22X1, D1300-0220APP	
22.00 (0.866")	1.07 +0.13/-0.00	23.37 +0.00/-0.06	24.41	CCI-02200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J22X1-411, D1300-0220KSF	
22.00 (0.866")	1.50 +0.15/-0.00	23.00 +0.00/-0.06	24.41	CCI-02200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0220, JS22X2	
22.23 (0.875")	1.07 +/-0.075	23.65 +0.00/-0.06	24.66	CCI-02223-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0087APP, Ellison 9000, MIL-16625	
22.23 (0.875")	1.07 +/-0.075	23.65 +0.00/-0.06	24.66	CCI-02223-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0087BDS, A 9Y28-87	
22.23 (0.875")	1.07 +/-0.075	23.65 +0.00/-0.06	24.66	CCI-02223-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0087AZD, Ellison 9000, MIL-16625	
22.23 (0.875")	1.07 +/-0.076	23.65 +/-0.052	23.98	CCI-02223-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0087, Waldes 5008, MIL 16627	
22.89 (0.901")	1.07 +/-0.075	24.36 +0.00/-0.06	25.40	CCI-02289-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0090, Ellison 9000, MIL-16625	
22.89 (0.901")	1.07 +/-0.075	24.36 +0.00/-0.06	25.40	CCI-02289-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0090BDS, Ellison 9000, MIL-16625	
22.89 (0.901")	1.07 +/-0.075	24.36 +0.00/-0.06	25.40	CCI-02289-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0090AZD, Ellison 9000, MIL-16625	
23.00 (0.906")	1.20 +0.21/-0.00	24.10 +0.00/-0.06	24.60	CCI-02300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J23X1.2, D1300-0230APP	
23.00 (0.906")	1.20 +0.21/-0.00	24.10 +0.00/-0.06	24.60	CCI-02300-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J23X1.2-411, D1300-0230KSF	
23.81 (0.937")	1.07 +/-0.076	25.40 +/-0.052	26.44	CCI-02381-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0093, Waldes 5008, MIL 16627	
23.81 (0.937")	1.07 +/-0.075	25.40 +0.00/-0.06	26.44	CCI-02381-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0093APP, Ellison 9000, MIL-16625	
23.81 (0.937")	1.07 +/-0.075	25.40 +0.00/-0.06	26.44	CCI-02381-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0093BDS, Ellison 9000, MIL-16625	
23.81 (0.937")	1.07 +/-0.075	25.40 +0.00/-0.06	26.44	CCI-02381-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0093AZD, Ellison 9000, MIL-16625	
24.00 (0.945")	1.20 +0.21/-0.00	25.20 +0.00/-0.06	25.90	CCI-02400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J24X1.2, D1300-0240APP	
24.00 (0.945")	1.20 +0.21/-0.00	25.20 +0.00/-0.06	25.90	CCI-02400-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J24X1.2-411, D1300-0240KSF	
24.00 (0.945")	1.20 +0.21/-0.00	25.20 +0.00/-0.06	26.11	CCI-02400-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0240, Ellison INTV, Seeger JV	
24.00 (0.945")	1.50 +0.21/-0.00	25.20 +0.00/-0.06	25.90	CCI-02400H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0240, JS24X2	
25.00 (0.984")	1.20 +0.21/-0.00	26.20 +0.00/-0.06	26.90	CCI-02500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0250, Ellison INTV, Seeger JV	
25.00 (0.984")	1.20 +0.21/-0.00	26.20 +0.00/-0.06	26.90	CCI-02500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J25X1.2, D1300-0250APP	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
25.00 (0.984")	1.20 +0.21/-0.00	26.20 +0.00/-0.06	26.90	CCI-02500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J25X1.2-411, D1300-0250KSF	
25.00 (0.984")	1.50 +0.21/-0.00	26.20 +0.00/-0.06	26.90	CCI-02500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0250, JS25X2	
25.40 (1.000")	1.02 +0.08/-0.00	27.33 +/-0.05	27.97	CIB-02540-C	Circlips - Internal - Bevelled Spring Steel: N1302-0100, MIL-16631, Ellison 9002	
25.40 (1.000")	1.07 +/-0.076	27.08 +/-0.052	28.22	CCI-02540-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0100, Waldes 5008, MIL 16627	
25.40 (1.000")	1.07 +/-0.075	27.08 +0.00/-0.06	28.22	CCI-02540-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0100, J1X.047IN	
25.40 (1.000")	1.07 +/-0.075	27.08 +0.00/-0.06	28.22	CCI-02540-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0100BDS, A 9Y28-100	
25.40 (1.000")	1.07 +/-0.075	27.08 +0.00/-0.06	28.22	CCI-02540-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0100AZD, Ellison 9000, MIL-16625	
25.98 (1.023")	1.02 +0.08/-0.00	27.97 +/-0.05	28.60	CIB-02598-C	Circlips - Internal - Bevelled Spring Steel: N1302-0102, MIL-16631, Ellison 9002	
25.98 (1.023")	1.07 +/-0.075	27.71 +0.00/-0.06	28.85	CCI-02598-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0102APP, Ellison 9000, MIL-16625	
25.98 (1.023")	1.07 +/-0.075	27.71 +0.00/-0.06	28.85	CCI-02598-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0102BDS, Ellison 9000, MIL-16625	
25.98 (1.023")	1.07 +/-0.075	27.71 +0.00/-0.06	28.85	CCI-02598-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0102AZD, Ellison 9000, MIL-16625	
26.00 (1.024")	1.20 +0.21/-0.00	27.20 +0.00/-0.06	27.90	CCI-02600-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0260, Ellison INTV, Seeger JV	
26.00 (1.024")	1.20 +0.21/-0.00	27.20 +0.00/-0.06	27.90	CCI-02600-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J26X1.2, D1300-0260APP	
26.00 (1.024")	1.20 +0.21/-0.00	27.20 +0.00/-0.06	27.90	CCI-02600-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J26X1.2-411, D1300-0260KSF	
26.00 (1.024")	1.50 +0.21/-0.00	27.20 +0.00/-0.06	27.90	CCI-02600H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0260, JS26X2	
26.99 (1.063")	1.22 +0.08/-0.00	28.91 +/-0.05	29.46	CIB-02699-C	Circlips - Internal - Bevelled Spring Steel: N1302-0106, MIL-16631, Ellison 9002	
26.99 (1.063")	1.27 +/-0.102	28.70 +/-0.052	29.97	CCI-02699-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0106, Waldes 5008, MIL 16627	
26.99 (1.063")	1.27 +/-0.102	28.70 +0.00/-0.06	29.97	CCI-02699-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0106APP, Ellison 9000, MIL-16625	
26.99 (1.063")	1.27 +/-0.102	28.70 +0.00/-0.06	29.97	CCI-02699-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0106BDS, Ellison 9000, MIL-16625	
26.99 (1.063")	1.27 +/-0.102	28.70 +0.00/-0.06	29.97	CCI-02699-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0106AZD, Ellison 9000, MIL-16625	
27.00 (1.063")	1.20 +0.21/-0.00	28.40 +0.00/-0.06	29.10	CCI-02700-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0270, Ellison INTV, Seeger JV	
27.00 (1.063")	1.20 +0.21/-0.00	28.40 +0.00/-0.06	29.10	CCI-02700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J27X1.2, D1300-0270APP	
27.00 (1.063")	1.20 +0.21/-0.00	28.40 +0.00/-0.06	29.10	CCI-02700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J27X1.2-411, D1300-0270KSF	
27.00 (1.063")	1.50 +0.21/-0.00	28.40 +0.00/-0.06	29.10	CCI-02700H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0270, JS27X2	
28.00 (1.102")	1.20 +0.21/-0.00	29.40 +0.00/-0.06	29.65	CCI-02800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0280, Ellison INTV, Seeger JV	
28.00 (1.102")	1.20 +0.21/-0.00	29.40 +0.00/-0.06	30.10	CCI-02800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J28X1.2, D1300-0280APP	
28.00 (1.102")	1.20 +0.21/-0.00	29.40 +0.00/-0.06	30.10	CCI-02800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J28X1.2-411, D1300-0280KSF	
28.00 (1.102")	1.50 +0.21/-0.00	29.40 +0.00/-0.06	30.10	CCI-02800H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0280, JS28X2	
28.58 (1.125")	1.22 +0.10/-0.00	30.61 +/-0.05	31.22	CIB-02858-C	Circlips - Internal - Bevelled Spring Steel: N1302-0112, MIL-16631, Ellison 9002	
28.58 (1.125")	1.27 +/-0.102	30.40 +/-0.052	31.72	CCI-02858-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0112, Waldes 5008, MIL 16627	
28.58 (1.125")	1.27 +/-0.102	30.40 +0.00/-0.06	31.72	CCI-02858-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0112APP, Ellison 9000, MIL-16625	

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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
28.58 (1.125")	1.27 +/-0.102	30.40 +0.00/-0.06	31.72	CCI-02858-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0112BDS, Ellison 9000, MIL-16625	
28.58 (1.125")	1.27 +/-0.102	30.40 +0.00/-0.06	31.72	CCI-02858-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0112AZD, Ellison 9000, MIL-16625	
29.00 (1.142")	1.20 +0.25/-0.00	30.40 +0.00/-0.06	31.10	CCI-02900-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J29X1.2, D1300-0290APP	
29.00 (1.142")	1.20 +0.25/-0.00	30.40 +0.00/-0.06	31.10	CCI-02900-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J29X1.2-411, D1300-0290KSF	
30.00 (1.181")	1.20 +0.25/-0.00	31.40 +0.00/-0.06	31.83	CCI-03000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0300, Ellison INTV, Seeger JV	
30.00 (1.181")	1.20 +0.25/-0.00	31.40 +0.00/-0.06	32.10	CCI-03000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J30X1.2, D1300-0300APP	
30.00 (1.181")	1.20 +0.25/-0.00	31.40 +0.00/-0.06	32.10	CCI-03000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J30X1.2-411, D1300-0300KSF	
30.00 (1.181")	1.50 +0.25/-0.00	31.40 +0.00/-0.06	32.10	CCI-03000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0300, JS30X2	
30.16 (1.187")	1.22 +0.10/-0.00	32.31 +/-0.05	32.99	CIB-03016-C	Circlips - Internal - Bevelled Spring Steel: N1302-0118, MIL-16631, Ellison 9002	
30.16 (1.187")	1.27 +/-0.102	32.05 +/-0.052	33.50	CCI-03016-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0118, Waldes 5008, MIL 16627	
30.16 (1.187")	1.27 +/-0.102	32.05 +0.00/-0.06	33.50	CCI-03016-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0118APP, Ellison 9000, MIL-16625	
30.16 (1.187")	1.27 +/-0.102	32.05 +0.00/-0.06	33.50	CCI-03016-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0118AZD, Ellison 9000, MIL-16625	
30.16 (1.187")	1.27 +/-0.102	32.05 +0.00/-0.06	33.50	CCI-03016-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0118BDS, Ellison 9000, MIL-16625	
31.00 (1.220")	1.20 +0.25/-0.00	32.70 +0.00/-0.06	33.40	CCI-03100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J31X1.2, D1300-0310APP	
31.00 (1.220")	1.20 +0.25/-0.00	32.70 +0.00/-0.06	33.40	CCI-03100-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J31X1.2-411, D1300-0310KSF	
31.75 (1.250")	1.22 +0.10/-0.00	34.09 +/-0.05	34.75	CIB-03175-C	Circlips - Internal - Bevelled Spring Steel: N1302-0125, MIL-16631, Ellison 9002	
31.75 (1.250")	1.27 +/-0.102	33.72 +0.00/-0.06	35.26	CCI-03175-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0125APP, Ellison 9000, MIL-16625	
31.75 (1.250")	1.27 +/-0.102	33.72 +0.00/-0.06	35.26	CCI-03175-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0125BDS, Ellison 9000, MIL-16625	
31.75 (1.250")	1.27 +/-0.102	33.72 +0.00/-0.06	35.26	CCI-03175-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0125AZD, Ellison 9000, MIL-16625	
31.75 (1.250")	1.27 +/-0.102	33.78 +/-0.052	35.26	CCI-03175-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0125, Waldes 5008, MIL 16627	
32.00 (1.260")	1.20 +0.25/-0.00	33.71 +0.00/-0.06	34.40	CCI-03200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0320, Ellison INTV, Seeger JV	
32.00 (1.260")	1.20 +0.25/-0.00	33.71 +0.00/-0.06	34.40	CCI-03200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J32X1.2, D1300-0320APP	
32.00 (1.260")	1.20 +0.25/-0.00	33.71 +0.00/-0.06	34.40	CCI-03200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J32X1.2-411, D1300-0320KSF	
32.00 (1.260")	1.50 +0.25/-0.00	33.71 +0.00/-0.06	34.40	CCI-03200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0320, JS32X2	
33.00 (1.299")	1.20 +0.25/-0.00	34.78 +0.00/-0.06	35.50	CCI-03300-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0330, Ellison INTV, Seeger JV	
33.00 (1.299")	1.20 +0.25/-0.00	34.78 +0.00/-0.06	35.50	CCI-03300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J33X1.2, D1300-0330APP	
33.00 (1.299")	1.20 +0.25/-0.00	34.78 +0.00/-0.06	35.50	CCI-03300-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J33X1.2-411, D1300-0330KSF	
33.38 (1.314")	1.22 +0.10/-0.00	35.76 +/-0.05	36.47	CIB-03338-C	Circlips - Internal - Bevelled Spring Steel: N1302-0131, MIL-16631, Ellison 9002	
33.38 (1.314")	1.27 +/-0.102	35.46 +/-0.052	36.10	CCI-03332-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0131, Waldes 5008, MIL 16627	
33.38 (1.314")	1.27 +/-0.102	35.46 +0.00/-0.06	36.98	CCI-03338-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0131APP, Ellison 9000, MIL-16625	
33.38 (1.314")	1.27 +/-0.102	35.46 +0.00/-0.06	36.98	CCI-03338-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0131BDS, Ellison 9000, MIL-16625	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
33.38 (1.314")	1.27 +/-0.102	35.46 +0.00/-0.06	36.98	CCI-03338-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0131AZD, Ellison 9000, MIL-16625	
34.00 (1.339")	1.50 +0.25/-0.00	35.70 +0.00/-0.06	36.50	CCI-03400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J34X1.5, D1300-0340APP	
34.00 (1.339")	1.50 +0.25/-0.00	35.70 +0.00/-0.06	36.50	CCI-03400-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J34X1.5-411, D1300-0340KSF	
34.00 (1.339")	1.75 +0.25/-0.00	35.70 +0.00/-0.06	36.60	CCI-03400H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0340, JS34X2	
34.93 (1.375")	1.22 +0.10/-0.00	37.54 +/-0.05	38.25	CIB-03493-C	Circlips - Internal - Bevelled Spring Steel: N1302-0137, MIL-16631, Ellison 9002	
34.93 (1.375")	1.27 +/-0.102	37.11 +/-0.052	38.76	CCI-03493-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0137, Waldes 5008, MIL 16627	
34.93 (1.375")	1.27 +/-0.102	37.11 +0.00/-0.06	38.76	CCI-03493-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0137APP, Ellison 9000, MIL-16625	
34.93 (1.375")	1.27 +/-0.102	37.11 +0.00/-0.06	38.76	CCI-03493-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0137BDS, Ellison 9000, MIL-16625	
34.93 (1.375")	1.27 +/-0.102	37.11 +0.00/-0.06	38.76	CCI-03493-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0137AZD, Ellison 9000, MIL-16625	
35.00 (1.378")	1.50 +0.25/-0.00	37.00 +0.00/-0.06	37.80	CCI-03500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0350, Ellison INTV, Seeger JV	
35.00 (1.378")	1.50 +0.25/-0.00	37.00 +0.00/-0.06	37.80	CCI-03500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J35X1.5, D1300-0350APP	
35.00 (1.378")	1.50 +0.25/-0.00	37.00 +0.00/-0.06	37.80	CCI-03500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J35X1.5-411, D1300-0350KSF	
35.00 (1.378")	1.75 +0.25/-0.00	37.00 +0.00/-0.06	37.80	CCI-03500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0350, JS35X2	
36.00 (1.417")	1.50 +0.25/-0.00	38.00 +0.00/-0.06	38.80	CCI-03600-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0360, Ellison INTV, Seeger JV	
36.00 (1.417")	1.50 +0.25/-0.00	38.00 +0.00/-0.06	38.80	CCI-03600-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J36X1.5, D1300-0360APP	
36.00 (1.417")	1.50 +0.25/-0.00	38.00 +0.00/-0.06	38.80	CCI-03600-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J36X1.5-411, D1300-0360KSF	
36.53 (1.438")	1.22 +0.10/-0.00	39.17 +/-0.05	40.03	CIB-03653-C	Circlips - Internal - Bevelled Spring Steel: N1302-0143, MIL-16631, Ellison 9002	
36.53 (1.438")	1.27 +/-0.102	38.81 +/-0.052	40.54	CCI-03653-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0143, Waldes 5008, MIL 16627	
36.53 (1.438")	1.27 +/-0.102	38.81 +0.00/-0.06	40.54	CCI-03653-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0143APP, Ellison 9000, MIL-16625	
36.53 (1.438")	1.27 +/-0.102	38.81 +0.00/-0.06	40.54	CCI-03653-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0143BDS, Ellison 9000, MIL-16625	
36.53 (1.438")	1.27 +/-0.102	38.81 +0.00/-0.06	40.54	CCI-03653-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0143AZD, Ellison 9000, MIL-16625	
36.98 (1.456")	1.22 +0.10/-0.00	39.67 +/-0.05	40.54	CIB-03698-C	Circlips - Internal - Bevelled Spring Steel: N1302-0145, MIL-16631, Ellison 9002	
36.98 (1.456")	1.27 +/-0.102	39.32 +0.00/-0.06	41.05	CCI-03698-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0145APP, Ellison 9000, MIL-16625	
37.00 (1.457")	1.50 +0.25/-0.00	39.00 +0.00/-0.06	39.80	CCI-03700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J37X1.5, D1300-0370APP	
37.00 (1.457")	1.50 +0.25/-0.00	39.00 +0.00/-0.06	39.80	CCI-03700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J37X1.5-411, D1300-0370KSF	
37.00 (1.457")	1.75 +0.25/-0.00	39.00 +0.00/-0.06	39.80	CCI-03700H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0370, JS37X2	
38.00 (1.496")	1.50 +0.25/-0.00	40.00 +0.00/-0.06	40.80	CCI-03800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0380, Ellison INTV, Seeger JV	
38.00 (1.496")	1.50 +0.25/-0.00	40.00 +0.00/-0.06	40.80	CCI-03800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J38X1.5, D1300-0380APP	
38.00 (1.496")	1.50 +0.25/-0.00	40.00 +0.00/-0.06	40.80	CCI-03800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J38X1.5-411, D1300-0380KSF	
38.00 (1.496")	1.75 +0.25/-0.00	40.00 +0.00/-0.06	40.80	CCI-03800H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0380, JS38X2	
38.10 (1.500")	1.19 +0.10/-0.00	40.74 +/-0.08	41.81	CIB-03810-C	Circlips - Internal - Bevelled Spring Steel: N1302-0150, MIL-16631, Ellison 9002	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
38.10 (1.500")	1.27 +/-0.102	40.49 +/-0.052	42.16	CCI-03810-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0150, Waldes 5008, MIL 16627	
38.10 (1.500")	1.27 +/-0.102	40.49 +0.00/-0.06	42.16	CCI-03810-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0150APP, Ellison 9000, MIL-16625	
38.10 (1.500")	1.27 +/-0.102	40.49 +0.00/-0.06	42.16	CCI-03810-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0150BDS, Ellison 9000, MIL-16625	
38.10 (1.500")	1.27 +/-0.102	40.49 +0.00/-0.06	42.16	CCI-03810-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0150AZD, Ellison 9000, MIL-16625	
39.00 (1.535")	1.50 +0.25/-0.00	41.00 +0.00/-0.06	42.00	CCI-03900-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J39X1.5, D1300-0390APP	
39.67 (1.562")	1.50 +0.13/-0.00	42.52 +/-0.08	43.41	CIB-03967-C	Circlips - Internal - Bevelled Spring Steel: N1302-0156, MIL-16631, Ellison 9002	
39.67 (1.562")	1.57 +/-0.127	42.11 +/-0.076	44.04	CCI-03967-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0156, Waldes 5008, MIL 16627	
39.67 (1.562")	1.57 +/-0.127	42.11 +0.00/-0.06	44.04	CCI-03967-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0156APP, Ellison 9000, MIL-16625	
39.67 (1.562")	1.57 +/-0.127	42.11 +0.00/-0.06	44.04	CCI-03967-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0156BDS, Ellison 9000, MIL-16625	
39.67 (1.562")	1.57 +/-0.127	42.11 +0.00/-0.06	44.04	CCI-03967-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0156AZD, Ellison 9000, MIL-16625	
40.00 (1.575")	1.75 +0.25/-0.00	42.50 +0.00/-0.06	43.50	CCI-04000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0400, Ellison INTV, Seeger JV	
40.00 (1.575")	1.75 +0.25/-0.00	42.50 +0.00/-0.06	43.50	CCI-04000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J40X1.75, D1300-0400APP	
40.00 (1.575")	1.75 +0.25/-0.00	42.50 +0.00/-0.06	43.50	CCI-04000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J40X1.75-411, D1300-0400KSF	
40.00 (1.575")	2.00 +0.25/-0.00	42.50 +0.00/-0.06	43.50	CCI-04000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0400, JS40X2	
40.01 (1.575")	1.50 +0.13/-0.00	42.85 +/-0.08	43.41	CIB-04001-C	Circlips - Internal - Bevelled Spring Steel: N1302-0157, MIL-16631, Ellison 9002	
41.00 (1.614")	1.75 +0.25/-0.00	43.50 +0.00/-0.06	44.50	CCI-04100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J41X1.75, D1300-0410APP	
41.00 (1.614")	1.75 +0.25/-0.00	43.50 +0.00/-0.06	44.50	CCI-04100-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J41X1.75-411, D1300-0410KSF	
41.28 (1.625")	1.50 +0.13/-0.00	44.27 +/-0.08	45.19	CIB-04128-C	Circlips - Internal - Bevelled Spring Steel: N1302-0162, MIL-16631, Ellison 9002	
41.28 (1.625")	1.57 +/-0.127	43.82 +/-0.076	45.82	CCI-04128-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0162, Waldes 5008, MIL 16627	
41.28 (1.625")	1.57 +/-0.127	43.82 +0.00/-0.06	45.82	CCI-04128-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0162APP, Ellison 9000, MIL-16625	
41.28 (1.625")	1.57 +/-0.127	43.82 +0.00/-0.06	45.82	CCI-04128-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0162BDS, Ellison 9000, MIL-16625	
41.28 (1.625")	1.57 +/-0.127	43.82 +0.00/-0.06	45.82	CCI-04128-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0162AZD, Ellison 9000, MIL-16625	
41.99 (1.653")	1.50 +0.13/-0.00	45.03 +/-0.08	45.97	CIB-04199-C	Circlips - Internal - Bevelled Spring Steel: N1302-0165, MIL-16631, Ellison 9002	
41.99 (1.653")	1.57 +/-0.127	44.46 +0.00/-0.06	46.61	CCI-04199-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0165APP, Ellison 9000, MIL-16625	
41.99 (1.653")	1.57 +/-0.127	44.46 +0.00/-0.06	46.61	CCI-04199-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0165BDS, Ellison 9000, MIL-16625	
42.00 (1.654")	1.75 +0.25/-0.00	44.45 +0.00/-0.06	45.50	CCI-04200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0420, Ellison INTV, Seeger JV	
42.00 (1.654")	1.75 +0.25/-0.00	44.45 +0.00/-0.06	45.50	CCI-04200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J42X1.75, D1300-0420APP	
42.00 (1.654")	1.75 +0.25/-0.00	44.45 +0.00/-0.06	45.50	CCI-04200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J42X1.75-411, D1300-0420KSF	
42.00 (1.654")	2.00 +0.25/-0.00	44.45 +0.00/-0.06	45.50	CCI-04200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0420, JS42X2	
42.86 (1.687")	1.50 +0.13/-0.00	45.97 +/-0.08	46.96	CIB-04286-C	Circlips - Internal - Bevelled Spring Steel: N1302-0168, MIL-16631, Ellison 9002	
42.86 (1.687")	1.57 +/-0.127	45.52 +/-0.076	47.60	CCI-04288-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0168, Waldes 5008, MIL 16627	

Usually stocked or Short Delivery
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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
42.86 (1.687")	1.57 +/-0.127	45.52 +0.00/-0.06	47.60	CCI-04286-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0168, Ellison 9000, MIL-16625	
42.86 (1.687")	1.57 +/-0.127	45.52 +0.00/-0.06	47.60	CCI-04286-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0168BDS, Ellison 9000, MIL-16625	
43.00 (1.693")	1.75 +0.25/-0.00	45.50 +0.00/-0.06	46.50	CCI-04300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J43X1.75, D1300-0430APP	
44.00 (1.732")	1.75 +0.25/-0.00	46.50 +0.00/-0.06	47.50	CCI-04400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J44X1.75, D1300-0440APP	
44.45 (1.750")	1.50 +0.13/-0.00	47.70 +/-0.08	48.69	CIB-04445-C	Circlips - Internal - Bevelled Spring Steel: N1302-0175, MIL-16631, Ellison 9002	
44.45 (1.750")	1.57 +/-0.127	47.19 +/-0.076	49.33	CCI-04445-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0175, Walde 5008, MIL 16627	
44.45 (1.750")	1.57 +/-0.127	47.19 +0.00/-0.06	49.33	CCI-04445-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0175APP, Ellison 9000, MIL-16625	
44.45 (1.750")	1.57 +/-0.127	47.19 +0.00/-0.06	49.33	CCI-04445-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0175BDS, Ellison 9000, MIL-16625	
44.45 (1.750")	1.57 +/-0.127	47.19 +0.00/-0.06	49.33	CCI-04445-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0175AZD, Ellison 9000, MIL-16625	
45.00 (1.772")	1.75 +0.25/-0.00	47.50 +0.00/-0.06	48.50	CCI-04500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0450, Ellison INTV, Seeger JV	
45.00 (1.772")	1.75 +0.25/-0.00	47.50 +0.00/-0.06	48.50	CCI-04500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J45X1.75, D1300-0450APP	
45.00 (1.772")	1.75 +0.25/-0.00	47.50 +0.00/-0.06	48.50	CCI-04500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J45X1.75-411, D1300-0450KSF	
45.00 (1.772")	2.00 +0.25/-0.00	47.50 +0.00/-0.07	48.50	CCI-04500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0450, JS45X2	
46.00 (1.811")	1.75 +0.25/-0.00	48.50 +0.00/-0.06	49.50	CCI-04600-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J46X1.75, D1300-0460APP	
46.04 (1.813")	1.50 +0.13/-0.00	49.38 +/-0.08	50.47	CIB-04604-C	Circlips - Internal - Bevelled Spring Steel: N1302-0181, MIL-16631, Ellison 9002	
46.04 (1.813")	1.57 +/-0.127	48.82 +0.00/-0.06	51.10	CCI-04604-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0181APP, Ellison 9000, MIL-16625	
46.04 (1.813")	1.57 +/-0.127	48.82 +0.00/-0.06	51.10	CCI-04604-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0181BDS, Ellison 9000, MIL-16625	
46.04 (1.813")	1.57 +/-0.127	48.82 +0.00/-0.06	51.10	CCI-04604-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0181AZD, Ellison 9000, MIL-16625	
46.99 (1.850")	1.50 +0.13/-0.00	50.39 +/-0.08	51.54	CIB-04699-C	Circlips - Internal - Bevelled Spring Steel: N1302-0185, MIL-16631, Ellison 9002	
46.99 (1.850")	1.57 +/-0.127	49.83 +0.00/-0.06	52.17	CCI-04699-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0185APP, Ellison 9000, MIL-16625	
46.99 (1.850")	1.57 +/-0.127	49.83 +0.00/-0.06	52.17	CCI-04699-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0185BDS, Ellison 9000, MIL-16625	
47.00 (1.850")	1.75 +0.25/-0.00	49.50 +0.00/-0.06	50.50	CCI-04700-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0470, Ellison INTV, Seeger JV	
47.00 (1.850")	1.75 +0.25/-0.00	49.50 +0.00/-0.06	50.50	CCI-04700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J47X1.75, D1300-0470APP	
47.00 (1.850")	1.75 +0.25/-0.00	49.50 +0.00/-0.06	50.50	CCI-04700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J47X1.75-411, D1300-0470KSF	
47.00 (1.850")	2.00 +0.25/-0.00	49.50 +0.00/-0.07	50.50	CCI-04700H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0470, JS47X2	
47.63 (1.875")	1.50 +0.13/-0.00	51.08 +/-0.08	51.54	CIB-04763-C	Circlips - Internal - Bevelled Spring Steel: N1302-0187, MIL-16631, Ellison 9002	
47.63 (1.875")	1.57 +/-0.127	50.52 +/-0.076	52.63	CCI-04763-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0187, Walde 5008, MIL 16627	
47.63 (1.875")	1.57 +/-0.127	50.52 +0.00/-0.06	52.63	CCI-04763-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0187APP, Ellison 9000, MIL-16625	
47.63 (1.875")	1.57 +/-0.127	50.52 +0.00/-0.06	52.63	CCI-04763-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0187BDS, Ellison 9000, MIL-16625	
47.63 (1.875")	1.57 +/-0.127	50.52 +0.00/-0.06	52.63	CCI-04763-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0187AZD, Ellison 9000, MIL-16625	
48.00 (1.890")	1.75 +0.30/-0.00	50.50 +0.00/-0.06	51.50	CCI-04800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0480, Ellison INTV, Seeger JV	

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Long Delivery or Large Minimum Quantities
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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
48.00 (1.890")	1.75 +0.30/-0.00	50.50 +0.00/-0.06	51.50	CCI-04800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J48X1.75, D1300-0480APP</i>	
48.00 (1.890")	1.75 +0.30/-0.00	50.50 +0.00/-0.07	51.50	CCI-04800-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J48X1.75-411, D1300-0480KSF</i>	
49.00 (1.929")	1.75 +0.30/-0.00	51.50 +0.00/-0.07	52.50	CCI-04900-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J49X1.75, D1300-0490APP</i>	
49.23 (1.938")	1.50 +/-0.13/-0.00	52.88 +/-0.08	53.75	CIB-04923-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0193, MIL-16631, Ellison 9002</i>	
49.23 (1.938")	1.57 +/-0.127	52.22 +0.00/-0.07	54.38	CCI-04923-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0193APP, Ellison 9000, MIL-16625</i>	
49.23 (1.938")	1.57 +/-0.127	52.22 +0.00/-0.07	54.38	CCI-04923-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0193BDS, Ellison 9000, MIL-16625</i>	
50.00 (1.969")	2.00 +0.30/-0.00	53.00 +0.00/-0.07	54.20	CCI-05000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0500, Ellison INTV, Seeger JV</i>	
50.00 (1.969")	2.00 +0.30/-0.00	53.00 +0.00/-0.07	54.20	CCI-05000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J50X2, D1300-0500APP</i>	
50.00 (1.969")	2.00 +0.30/-0.00	53.00 +0.00/-0.07	54.20	CCI-05000-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J50X2-411, D1300-0500KSF</i>	
50.00 (1.969")	2.50 +0.30/-0.00	53.00 +0.00/-0.07	54.20	CCI-05000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0500, JS50X3</i>	
50.80 (2.000")	1.50 +0.13/-0.00	54.46 +/-0.08	55.50	CIB-05080-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0200, MIL-16631, Ellison 9002</i>	
50.80 (2.000")	1.57 +/-0.127	53.90 +/-0.076	56.13	CCI-05080-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0200, Waldes 5008, MIL 16627</i>	
50.80 (2.000")	1.57 +/-0.127	53.90 +0.00/-0.07	56.13	CCI-05080-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0200APP, Ellison 9000, MIL-16625</i>	
50.80 (2.000")	1.57 +/-0.127	53.90 +0.00/-0.07	56.13	CCI-05080-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0200BDS, Ellison 9000, MIL-16625</i>	
50.80 (2.000")	1.57 +/-0.127	53.90 +0.00/-0.07	56.13	CCI-05080-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0200AZD, Ellison 9000, MIL-16625</i>	
51.00 (2.008")	2.00 +0.30/-0.00	54.00 +0.00/-0.07	55.20	CCI-05100-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J51X2, D1300-0510APP</i>	
51.00 (2.008")	2.00 +0.30/-0.00	54.00 +0.00/-0.07	55.20	CCI-05100-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J51X2-411, D1300-0510KSF</i>	
51.99 (2.047")	1.91 +0.13/-0.00	55.75 +/-0.08	57.15	CIB-05199-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0204, MIL-16631, Ellison 9002</i>	
52.00 (2.047")	2.00 +0.30/-0.00	55.00 +0.00/-0.07	56.20	CCI-05200-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0520, Ellison INTV, Seeger JV</i>	
52.00 (2.047")	2.00 +0.30/-0.00	55.00 +0.00/-0.07	56.20	CCI-05200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J52X2, D1300-0520APP</i>	
52.00 (2.047")	2.00 +0.30/-0.00	55.00 +0.00/-0.07	56.20	CCI-05200-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J52X2-411, D1300-0520KSF</i>	
52.00 (2.047")	2.50 +0.30/-0.00	55.00 +0.00/-0.07	56.20	CCI-05200H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0520, JS52X3</i>	
52.39 (2.063")	1.91 +0.15/-0.00	56.13 +/-0.08	57.15	CIB-05239-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0206, MIL-16631, Ellison 9002</i>	
52.39 (2.063")	1.98 +/-0.152	55.52 +/-0.076	57.91	CCI-05239-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0206, Waldes 5008, MIL 16627</i>	
52.39 (2.063")	1.98 +/-0.152	55.52 +0.00/-0.07	57.91	CCI-05239-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0206APP, Ellison 9000, MIL-16625</i>	
52.39 (2.063")	1.98 +/-0.152	55.52 +0.00/-0.07	57.91	CCI-05239-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0206BDS, Ellison 9000, MIL-16625</i>	
52.39 (2.063")	1.98 +/-0.152	55.52 +0.00/-0.07	57.91	CCI-05239-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0206AZD, Ellison 9000, MIL-16625</i>	
53.00 (2.087")	2.00 +0.30/-0.00	56.00 +0.00/-0.07	57.20	CCI-05300-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J53X2, D1300-0530APP</i>	
53.98 (2.125")	1.91 +0.15/-0.00	57.89 +/-0.08	58.93	CIB-05398-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0212, MIL-16631, Ellison 9002</i>	
53.98 (2.125")	1.98 +/-0.152	57.18 +/-0.076	59.69	CCI-05398-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0212, Waldes 5008, MIL 16627</i>	
53.98 (2.125")	1.98 +/-0.152	57.18 +0.00/-0.07	59.69	CCI-05398-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0212APP, Ellison 9000, MIL-16625</i>	

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 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
53.98 (2.125")	1.98 +/-0.152	57.18 +0.00/-0.07	59.69	CCI-05398-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0212BDS, Ellison 9000, MIL-16625	
53.98 (2.125")	1.98 +/-0.152	57.18 +0.00/-0.07	59.69	CCI-05398-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0212AZD, Ellison 9000, MIL-16625	
54.00 (2.126")	2.00 +0.30/-0.00	57.00 +0.00/-0.07	58.20	CCI-05400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J54X2, D1300-0540APP	
54.00 (2.126")	2.00 +0.30/-0.00	57.00 +0.00/-0.07	58.20	CCI-05400-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J54X2-411, D1300-0540KSF	
54.99 (2.165")	1.91 +0.15/-0.00	59.11 +/-0.08	60.58	CIB-05499-C	Circlips - Internal - Bevelled Spring Steel: N1302-0216, MIL-16631, Ellison 9002	
55.00 (2.165")	2.00 +0.30/-0.00	58.00 +0.00/-0.07	59.20	CCI-05500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J55X2, D1300-0550APP	
55.00 (2.165")	2.00 +0.30/-0.00	58.00 +0.00/-0.07	59.20	CCI-05500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J55X2-411, D1300-0550KSF	
55.00 (2.165")	2.00 +0.30/-0.00	58.00 +0.00/-0.07	59.20	CCI-05500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0550, Ellison INTV, Seeger JV	
55.00 (2.165")	2.50 +0.30/-0.00	58.00 +0.00/-0.07	59.20	CCI-05500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0550, JS55X3	
55.58 (2.188")	1.91 +0.15/-0.00	59.69 +/-0.08	60.58	CIB-05558-C	Circlips - Internal - Bevelled Spring Steel: N1302-0218, MIL-16631, Ellison 9002	
55.58 (2.188")	1.98 +/-0.152	58.88 +0.00/-0.07	61.34	CCI-05558-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0218APP, Ellison 9000, MIL-16625	
55.58 (2.188")	1.98 +/-0.152	58.88 +0.00/-0.07	61.34	CCI-05558-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0218BDS, Ellison 9000, MIL-16625	
56.00 (2.205")	2.00 +0.30/-0.00	59.00 +0.00/-0.07	60.20	CCI-05600-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J56X2, D1300-0560APP	
56.00 (2.205")	2.00 +0.30/-0.00	59.00 +0.00/-0.07	60.20	CCI-05600-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J56X2-411, D1300-0560KSF	
57.00 (2.244")	2.00 +0.30/-0.00	60.00 +0.00/-0.07	62.20	CCI-05700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J57X2, D1300-0570APP	
57.00 (2.244")	2.00 +0.30/-0.00	60.00 +0.00/-0.07	61.20	CCI-05700-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0570, Ellison INTV, Seeger JV	
57.00 (2.244")	2.00 +0.30/-0.00	60.00 +0.00/-0.07	62.20	CCI-05700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J57X2-411, D1300-0570KSF	
57.15 (2.250")	1.91 +0.15/-0.00	61.47 +/-0.08	62.48	CIB-05715-C	Circlips - Internal - Bevelled Spring Steel: N1302-0225, MIL-16631, Ellison 9002	
57.15 (2.250")	1.98 +/-0.152	60.50 +0.00/-0.07	63.25	CCI-05715-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0225APP, Ellison 9000, MIL-16625	
57.15 (2.250")	1.98 +/-0.152	60.50 +0.00/-0.07	63.25	CCI-05715-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0225BDS, Ellison 9000, MIL-16625	
57.15 (2.250")	1.98 +/-0.152	60.50 +0.00/-0.07	63.25	CCI-05715-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0225AZD, Ellison 9000, MIL-16625	
58.00 (2.283")	2.00 +0.30/-0.00	61.00 +0.00/-0.07	62.20	CCI-05800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0580, Ellison INTV, Seeger JV	
58.00 (2.283")	2.00 +0.30/-0.00	61.00 +0.00/-0.07	62.20	CCI-05800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J58X2, D1300-0580APP	
58.00 (2.283")	2.00 +0.30/-0.00	61.00 +0.00/-0.07	62.20	CCI-05800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J58X2-411, D1300-0580KSF	
58.74 (2.313")	1.91 +0.15/-0.00	63.01 +/-0.08	63.63	CIB-05874-C	Circlips - Internal - Bevelled Spring Steel: N1302-0231, MIL-16631, Ellison 9002	
58.74 (2.313")	1.98 +/-0.152	62.23 +0.00/-0.07	65.02	CCI-05874-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0231APP, Ellison 9000, MIL-16625	
58.74 (2.313")	1.98 +/-0.152	62.23 +0.00/-0.07	65.02	CCI-05874-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0231BDS, Ellison 9000, MIL-16625	
58.74 (2.313")	1.98 +/-0.152	62.23 +0.00/-0.07	65.02	CCI-05874-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0231BDS, Ellison 9000, MIL-16625	
60.00 (2.362")	2.00 +0.30/-0.00	63.00 +0.00/-0.07	64.20	CCI-06000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0600, Ellison INTV, Seeger JV	
60.00 (2.362")	2.00 +0.30/-0.00	63.00 +0.00/-0.07	64.20	CCI-06000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J60X2, D1300-0600APP	
60.00 (2.362")	2.00 +0.30/-0.00	63.00 +0.00/-0.07	64.20	CCI-06000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J60X2-411, D1300-0600KSF	

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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
60.00 (2.362")	3.00 +0.30/-0.00	63.00 +0.00/-0.08	64.20	CCI-06000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0600, JS60X3	
60.33 (2.375")	1.91 +0.15/-0.00	64.78 +/-0.08	66.04	CIB-06033-C	Circlips - Internal - Bevelled Spring Steel: N1302-0237, MIL-16631, Ellison 9002	
60.33 (2.375")	1.98 +/-0.152	63.93 +/-0.076	66.80	CCI-06033-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0237, Waldes 5008, MIL 16627	
60.33 (2.375")	1.98 +/-0.152	63.93 +0.00/-0.07	66.80	CCI-06033-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0237APP, Ellison 9000, MIL-16625	
60.33 (2.375")	1.98 +/-0.152	63.93 +0.00/-0.07	66.80	CCI-06033-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0237BDS, Ellison 9000, MIL-16625	
60.33 (2.375")	1.98 +/-0.152	63.93 +0.00/-0.07	66.80	CCI-06033-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0237AZD, Ellison 9000, MIL-16625	
61.98 (2.440")	1.91 +0.15/-0.00	66.50 +/-0.08	67.87	CIB-06198-C	Circlips - Internal - Bevelled Spring Steel: N1302-0244, MIL-16631, Ellison 9002	
61.98 (2.440")	1.98 +/-0.152	65.63 +/-0.076	68.63	CCI-06198-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0243, Waldes 5008, MIL 16627	
61.98 (2.440")	1.98 +/-0.152	65.63 +0.00/-0.07	68.63	CCI-06198-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0244APP, Ellison 9000, MIL-16625	
61.98 (2.440")	1.98 +/-0.152	65.63 +0.00/-0.07	68.63	CCI-06198-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0244BDS, Ellison 9000, MIL-16625	
61.98 (2.440")	1.98 +/-0.152	65.63 +0.00/-0.07	68.63	CCI-06198-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0244AZD, Ellison 9000, MIL-16625	
62.00 (2.441")	2.00 +0.30/-0.00	65.00 +0.00/-0.07	66.20	CCI-06200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0620, Ellison INTV, Seeger JV	
62.00 (2.441")	2.00 +0.30/-0.00	65.00 +0.00/-0.07	66.20	CCI-06200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J62X2, D1300-0620APP	
62.00 (2.441")	2.00 +0.30/-0.00	65.00 +0.00/-0.07	66.20	CCI-06200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J62X2-411, D1300-0620KSF	
62.00 (2.441")	3.00 +0.30/-0.00	65.00 +0.00/-0.08	66.20	CCI-06200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0620, JS62X3	
63.00 (2.480")	2.00 +0.30/-0.00	66.00 +0.00/-0.07	67.20	CCI-06300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J63X2, D1300-0630APP	
63.00 (2.480")	2.00 +0.30/-0.00	66.00 +0.00/-0.07	67.20	CCI-06300-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J63X2-411, D1300-0630KSF	
63.50 (2.500")	1.91 +0.15/-0.00	68.17 +/-0.08	69.72	CIB-06350-C	Circlips - Internal - Bevelled Spring Steel: N1302-0250, MIL-16631, Ellison 9002	
63.50 (2.500")	1.98 +/-0.152	67.26 +/-0.076	70.49	CCI-06350-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0250, Waldes 5008, MIL 16627	
63.50 (2.500")	1.98 +/-0.152	67.26 +0.00/-0.07	70.49	CCI-06350-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0250APP, Ellison 9000, MIL-16625	
63.50 (2.500")	1.98 +/-0.152	67.26 +0.00/-0.07	70.49	CCI-06350-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0250BDS, Ellison 9000, MIL-16625	
63.50 (2.500")	1.98 +/-0.152	67.26 +0.00/-0.07	70.49	CCI-06350-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0250AZD, Ellison 9000, MIL-16625	
64.00 (2.520")	2.00 +0.30/-0.00	67.00 +0.00/-0.07	68.20	CCI-06400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J64X2, D1300-0640APP	
64.00 (2.520")	2.00 +0.30/-0.00	67.00 +0.00/-0.07	68.20	CCI-06400-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J64X2-411, D1300-0640KSF	
64.00 (2.520")	3.00 +0.30/-0.00	67.00 +0.00/-0.08	68.20	CCI-06400H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0640, JS64X3	
64.29 (2.531")	1.91 +0.15/-0.00	69.01 +/-0.08	69.72	CIB-06429-C	Circlips - Internal - Bevelled Spring Steel: N1302-0253, MIL-16631, Ellison 9002	
65.00 (2.559")	2.50 +0.30/-0.00	68.00 +0.00/-0.07	69.20	CCI-06500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J65X2.5, D1300-0650APP	
65.00 (2.559")	2.50 +0.30/-0.00	68.00 +0.00/-0.07	69.20	CCI-06500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J65X2.5-411, D1300-0650KSF	
65.00 (2.559")	2.50 +0.30/-0.00	68.00 +0.00/-0.07	69.20	CCI-06500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0650, Ellison INTV, Seeger JV	
65.00 (2.559")	3.00 +0.30/-0.00	68.00 +0.00/-0.08	69.20	CCI-06500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0650, JS65X3	
65.07 (2.562")	2.29 +0.15/-0.00	69.85 +/-0.08	71.48	CIB-06507-C	Circlips - Internal - Bevelled Spring Steel: N1302-0256, MIL-16631, Ellison 9002	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
65.07 (2.562")	2.36 +/-0.152	68.94 +0.00/-0.07	72.24	CCI-06507-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0256APP, Ellison 9000, MIL-16625	
65.07 (2.562")	2.36 +/-0.152	68.94 +0.00/-0.07	72.24	CCI-06507-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0256BDS, Ellison 9000, MIL-16625	
65.07 (2.562")	2.36 +/-0.152	68.94 +0.00/-0.07	72.24	CCI-06507-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0256AZD, Ellison 9000, MIL-16625	
66.68 (2.625")	2.29 +0.15/-0.00	71.63 +/-0.08	73.15	CIB-06668-C	Circlips - Internal - Bevelled Spring Steel: N1302-0262, MIL-16631, Ellison 9002	
66.68 (2.625")	2.36 +/-0.152	70.64 +/-0.076	73.91	CCI-06668-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0262, Waldes 5008, MIL 16627	
66.68 (2.625")	2.36 +/-0.152	70.64 +0.00/-0.07	73.91	CCI-06668-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0262APP, Ellison 9000, MIL-16625	
66.68 (2.625")	2.36 +/-0.152	70.64 +0.00/-0.07	73.91	CCI-06668-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0262BDS, Ellison 9000, MIL-16625	
67.00 (2.638")	2.50 +0.30/-0.00	70.00 +0.00/-0.07	72.50	CCI-06700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J67X2.5, D1300-0670APP	
67.00 (2.638")	2.50 +0.30/-0.00	70.00 +0.00/-0.07	71.50	CCI-06700-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0670, Ellison INTV, Seeger JV	
67.00 (2.638")	2.50 +0.30/-0.00	70.00 +0.00/-0.07	72.50	CCI-06700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J67X2.5-411, D1300-0670KSF	
68.00 (2.677")	2.29 +0.15/-0.00	73.05 +/-0.08	74.93	CIB-06800-C	Circlips - Internal - Bevelled Spring Steel: N1302-0267, MIL-16631, Ellison 9002	
68.00 (2.677")	2.50 +0.30/-0.00	71.00 +0.00/-0.07	72.50	CCI-06800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J68X2.5, D1300-0680APP	
68.00 (2.677")	2.50 +0.30/-0.00	71.00 +0.00/-0.07	72.50	CCI-06800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J68X2.5-411, D1300-0680KSF	
68.00 (2.677")	2.50 +0.30/-0.00	71.00 +0.00/-0.07	72.50	CCI-06800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0680, Ellison INTV, Seeger JV	
68.00 (2.677")	3.00 +0.30/-0.00	71.00 +0.00/-0.08	72.50	CCI-06800H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0680, JS68X3	
68.26 (2.687")	2.29 +0.15/-0.00	73.33 +/-0.08	74.93	CIB-06826-C	Circlips - Internal - Bevelled Spring Steel: N1302-0268, MIL-16631, Ellison 9002	
68.26 (2.687")	2.36 +/-0.152	72.34 +0.00/-0.07	75.69	CCI-06826-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0268APP, Ellison 9000, MIL-16625	
68.26 (2.687")	2.36 +/-0.152	72.34 +0.00/-0.07	75.69	CCI-06826-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0268AZD, Ellison 9000, MIL-16625	
68.26 (2.687")	2.36 +/-0.152	72.34 +0.00/-0.07	75.69	CCI-06826-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0268BDS, Ellison 9000, MIL-16625	
69.85 (2.750")	2.29 +0.15/-0.00	75.06 +/-0.08	76.71	CIB-06985-C	Circlips - Internal - Bevelled Spring Steel: N1302-0275, MIL-16631, Ellison 9002	
69.85 (2.750")	2.36 +/-0.152	74.02 +/-0.076	77.47	CCI-06985-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0275, Waldes 5008, MIL 16627	
69.85 (2.750")	2.36 +/-0.152	74.02 +0.00/-0.07	77.47	CCI-06985-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0275APP, Ellison 9000, MIL-16625	
69.85 (2.750")	2.36 +/-0.152	74.02 +0.00/-0.07	77.47	CCI-06985-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0275BDS, Ellison 9000, MIL-16625	
70.00 (2.756")	2.50 +0.30/-0.00	73.00 +0.00/-0.07	74.50	CCI-07000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J70X2.5, D1300-0700APP	
70.00 (2.756")	2.50 +0.30/-0.00	73.00 +0.00/-0.07	74.50	CCI-07000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J70X2.5-411, D1300-0700KSF	
70.00 (2.756")	3.00 +0.30/-0.00	73.00 +0.00/-0.08	74.50	CCI-07000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0700, JS70X3	
71.42 (2.812")	2.29 +0.15/-0.00	76.71 +/-0.08	78.51	CIB-07142-C	Circlips - Internal - Bevelled Spring Steel: N1302-0281, MIL-16631, Ellison 9002	
71.42 (2.812")	2.36 +/-0.152	75.69 +0.00/-0.07	79.27	CCI-07142-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0281APP, Ellison 9000, MIL-16625	
71.42 (2.812")	2.36 +/-0.152	75.69 +0.00/-0.07	79.27	CCI-07142-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0281BDS, Ellison 9000, MIL-16625	
71.42 (2.812")	2.36 +/-0.152	75.69 +0.00/-0.07	79.27	CCI-07142-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0281AZD, Ellison 9000, MIL-16625	
71.42 (2.812")	2.36 +/-0.152	76.35 +/-0.076	79.27	CCI-07142-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0281, Waldes 5008, MIL 16627	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
72.00 (2.835")	2.50 +0.30/-0.00	75.00 +0.00/-0.07	76.50	CCI-07200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J72X2.5, D1300-0720APP	
72.00 (2.835")	2.50 +0.30/-0.00	75.00 +0.00/-0.07	76.50	CCI-07200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J72X2.5-411, D1300-0720KSF	
72.00 (2.835")	2.50 +0.30/-0.00	75.00 +0.00/-0.07	76.50	CCI-07200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0720, Ellison INTV, Seeger JV	
72.00 (2.835")	3.00 +0.30/-0.00	75.00 +0.00/-0.08	76.50	CCI-07200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0720, JS72X3	
72.01 (2.835")	2.29 +0.15/-0.00	77.29 +/-0.08	78.51	CIB-07201-C	Circlips - Internal - Bevelled Spring Steel: N1302-0283, MIL-16631, Ellison 9002	
73.03 (2.875")	2.29 +0.15/-0.00	78.36 +/-0.08	80.29	CIB-07303-C	Circlips - Internal - Bevelled Spring Steel: N1302-0287, MIL-16631, Ellison 9002	
73.03 (2.875")	2.36 +/-0.152	77.50 +/-0.076	81.05	CCI-07303-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0283, Waldes 5008, MIL 16627	
73.03 (2.875")	2.36 +/-0.152	77.50 +0.00/-0.07	81.05	CCI-07303-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0287APP, Ellison 9000, MIL-16625	
73.03 (2.875")	2.36 +/-0.152	77.50 +0.00/-0.07	81.05	CCI-07303-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0287BDS, Ellison 9000, MIL-16625	
73.03 (2.875")	2.36 +/-0.152	77.50 +0.00/-0.07	81.05	CCI-07303-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0287AZD, Ellison 9000, MIL-16625	
75.00 (2.953")	2.50 +0.30/-0.00	78.00 +0.00/-0.07	79.50	CCI-07500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J75X2.5, D1300-0750APP	
75.00 (2.953")	2.50 +0.30/-0.00	78.00 +0.00/-0.07	79.50	CCI-07500-CZ	Circlips - Internal - Standard - Zinc Plated Yellow Zinc Plated: J75X2.5ZP, D1300-0750ZD	
75.00 (2.953")	2.50 +0.30/-0.00	78.00 +0.00/-0.07	79.50	CCI-07500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J75X2.5-411, D1300-0750KSF	
75.00 (2.953")	3.00 +0.30/-0.00	78.00 +0.00/-0.08	79.50	CCI-07500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0750, JS75X3	
75.01 (2.953")	2.29 +0.15/-0.00	80.72 +/-0.08	83.69	CIB-07501-C	Circlips - Internal - Bevelled Spring Steel: N1302-0295, MIL-16631, Ellison 9002	
76.00 (2.992")	2.50 +0.30/-0.00	79.00 +0.00/-0.07	80.70	CCI-07600-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J76X2.5, D1300-0760APP	
76.00 (2.992")	2.50 +0.30/-0.00	79.00 +0.00/-0.07	80.70	CCI-07600-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J76X2.5-411, D1300-0760KSF	
76.20 (3.000")	2.29 +0.15/-0.00	81.92 +/-0.08	83.69	CIB-07620-C	Circlips - Internal - Bevelled Spring Steel: N1302-0300, MIL-16631, Ellison 9002	
76.20 (3.000")	2.36 +/-0.152	80.82 +/-0.076	84.46	CCI-07620-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0300, Waldes 5008, MIL 16627	
76.20 (3.000")	2.36 +/-0.152	80.82 +0.00/-0.07	84.46	CCI-07620-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0300, J3X.098IN	
76.20 (3.000")	2.36 +/-0.152	80.82 +0.00/-0.07	84.46	CCI-07620-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0300BDS, Ellison 9000, MIL-16625	
77.00 (3.031")	2.50 +0.30/-0.00	80.00 +0.00/-0.07	82.50	CCI-07700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J77X2.5, D1300-0770APP	
77.79 (3.063")	2.69 +0.15/-0.00	83.57 +/-0.08	85.42	CIB-07779-C	Circlips - Internal - Bevelled Spring Steel: N1302-0306, MIL-16631, Ellison 9002	
77.79 (3.063")	2.77 +/-0.152	82.50 +0.00/-0.07	86.82	CCI-07779-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0306APP, Ellison 9000, MIL-16625	
77.79 (3.063")	2.77 +/-0.152	82.50 +0.00/-0.07	86.82	CCI-07779-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0306BDS, Ellison 9000, MIL-16625	
78.00 (3.071")	2.50 +0.35/-0.00	81.00 +0.00/-0.07	82.50	CCI-07800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J78X2.5, D1300-0780APP	
78.00 (3.071")	2.50 +0.35/-0.00	81.00 +0.00/-0.08	82.50	CCI-07800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J78X2.5-411, D1300-0780KSF	
79.38 (3.125")	2.69 +0.15/-0.00	85.22 +/-0.08	87.20	CIB-07938-C	Circlips - Internal - Bevelled Spring Steel: N1302-0312, MIL-16631, Ellison 9002	
79.38 (3.125")	2.77 +/-0.152	84.20 +0.00/-0.08	88.60	CCI-07938-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0312APP, Ellison 9000, MIL-16625	
79.38 (3.125")	2.77 +/-0.152	84.20 +0.00/-0.08	88.60	CCI-07938-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0312BDS, Ellison 9000, MIL-16625	
79.38 (3.125")	2.77 +/-0.152	84.20 +0.00/-0.08	88.60	CCI-07938-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0312AZD, Ellison 9000, MIL-16625	



Usually stocked or Short Delivery



** Available while stocks last **



Long Delivery or Large Minimum Quantities



Not in current production

Circlips - Internal					
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
79.98 (3.149")	2.69 +0.15/-0.00	85.88 +/-0.08	88.09	CIB-07998-C	Circlips - Internal - Bevelled Spring Steel: N1302-0314, MIL-16631, Ellison 9002
79.98 (3.149")	2.77 +/-0.152	85.04 +0.00/-0.08	89.48	CCI-07998-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0315APP, Ellison 9000, MIL-16625
79.98 (3.149")	2.77 +/-0.152	85.04 +0.00/-0.08	89.48	CCI-07998-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0315BDS, Ellison 9000, MIL-16625
79.98 (3.149")	2.77 +/-0.152	85.04 +0.00/-0.08	89.48	CCI-07998-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0315AZD, Ellison 9000, MIL-16625
80.00 (3.150")	2.50 +0.30/-0.00	83.50 +0.00/-0.07	85.50	CCI-08000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0800, Ellison INTV, Seeger JV
80.00 (3.150")	2.50 +0.35/-0.00	83.50 +0.00/-0.08	85.50	CCI-08000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J80X2.5, D1300-0800APP
80.00 (3.150")	2.50 +0.35/-0.00	83.50 +0.00/-0.08	85.50	CCI-08000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J80X2.5-411, D1300-0800KSF
80.00 (3.150")	4.00 +0.35/-0.00	83.50 +0.00/-0.10	85.50	CCI-08000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0800, JS80X4
80.17 (3.156")	2.69 +0.15/-0.00	98.55 +/-0.08	88.09	CIB-08017-C	Circlips - Internal - Bevelled Spring Steel: N1302-0315, MIL-16631, Ellison 9002
80.17 (3.156")	2.77 +/-0.152	85.04 +/-0.076	88.09	CCI-08017-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0315, Waldes 5008, MIL 16627
81.00 (3.189")	2.50 +0.35/-0.00	84.50 +0.00/-0.08	86.50	CCI-08100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J81X2.5, D1300-0810APP
82.00 (3.228")	2.50 +0.35/-0.00	85.50 +0.00/-0.08	87.50	CCI-08200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J82X2.5, D1300-0820APP
82.00 (3.228")	2.50 +0.35/-0.00	85.50 +0.00/-0.08	87.50	CCI-08200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J82X2.5-411, D1300-0820KSF
82.55 (3.250")	2.69 +0.15/-0.00	88.62 +/-0.08	90.63	CIB-08255-C	Circlips - Internal - Bevelled Spring Steel: N1302-0325, MIL-16631, Ellison 9002
82.55 (3.250")	2.77 +/-0.152	87.53 +/-0.076	92.02	CCI-08255-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0325, Waldes 5008, MIL 16627
82.55 (3.250")	2.77 +/-0.152	87.53 +0.00/-0.08	92.02	CCI-08255-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0325APP, Ellison 9000, MIL-16625
82.55 (3.250")	2.77 +/-0.152	87.53 +0.00/-0.08	92.02	CCI-08255-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0325BDS, Ellison 9000, MIL-16625
83.00 (3.268")	2.50 +0.35/-0.00	86.50 +0.00/-0.08	88.50	CCI-08300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J83X2.5, D1300-0830APP
84.99 (3.346")	2.69 +0.15/-0.00	91.21 +/-0.08	93.45	CIB-08499-C	Circlips - Internal - Bevelled Spring Steel: N1302-0334, MIL-16631, Ellison 9002
84.99 (3.346")	2.77 +/-0.152	90.07 +/-0.076	94.84	CCI-08499-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0334, Waldes 5008, MIL 16627
84.99 (3.346")	2.77 +/-0.152	90.07 +0.00/-0.08	94.84	CCI-08499-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0334APP, Ellison 9000, MIL-16625
84.99 (3.346")	2.77 +/-0.152	90.07 +0.00/-0.08	94.84	CCI-08499-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0334BDS, Ellison 9000, MIL-16625
84.99 (3.346")	2.77 +/-0.152	90.07 +0.00/-0.08	94.84	CCI-08499-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0334AZD, Ellison 9000, MIL-16625
85.00 (3.346")	3.00 +0.35/-0.00	88.50 +0.00/-0.08	90.50	CCI-08500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J85X3, D1300-0850APP
85.00 (3.346")	3.00 +0.35/-0.00	88.50 +0.00/-0.08	90.50	CCI-08500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J85X3-411, D1300-0850KSF
85.00 (3.346")	4.00 +0.35/-0.00	88.50 +0.00/-0.10	90.50	CCI-08500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0850, JS85X4
87.00 (3.425")	3.00 +0.35/-0.00	90.50 +0.00/-0.08	93.50	CCI-08700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J87X3, D1300-0870APP
88.00 (3.465")	3.00 +0.35/-0.00	91.50 +0.00/-0.08	93.50	CCI-08800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J88X3, D1300-0880APP
88.00 (3.465")	3.00 +0.35/-0.00	91.50 +0.00/-0.08	93.50	CCI-08800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J88X3-411, D1300-0880KSF
88.11 (3.469")	2.69 +0.15/-0.00	94.64 +/-0.08	96.57	CIB-08811-C	Circlips - Internal - Bevelled Spring Steel: N1302-0347, MIL-16631, Ellison 9002
88.11 (3.469")	2.77 +/-0.152	93.35 +0.00/-0.08	97.97	CCI-08811-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0347APP, Ellison 9000, MIL-16625

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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
88.11 (3.469")	2.77 +/-0.152	93.35 +0.00/-0.08	97.97	CCI-08811-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0347BDS, Ellison 9000, MIL-16625	
88.90 (3.500")	2.69 +0.15/-0.00	95.50 +/-0.08	97.41	CIB-08890-C	Circlips - Internal - Bevelled Spring Steel: N1302-0350, MIL-16631, Ellison 9002	
88.90 (3.500")	2.77 +/-0.152	94.23 +/-0.076	98.81	CCI-08890-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0350, Waldes 5008, MIL 16627	
88.90 (3.500")	2.77 +/-0.152	94.23 +0.00/-0.08	98.81	CCI-08890-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0350APP, Ellison 9000, MIL-16625	
88.90 (3.500")	2.77 +/-0.152	94.23 +0.00/-0.08	98.81	CCI-08890-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0350AZD, Ellison 9000, MIL-16625	
88.90 (3.500")	2.77 +/-0.152	94.23 +0.00/-0.08	98.81	CCI-08890-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0350BDS, Ellison 9000, MIL-16625	
89.99 (3.543")	2.69 +0.15/-0.00	96.67 +/-0.08	98.58	CIB-08999-C	Circlips - Internal - Bevelled Spring Steel: N1302-0354, MIL-16631, Ellison 9002	
89.99 (3.543")	2.77 +/-0.152	95.91 +0.00/-0.08	99.97	CCI-08999-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0354APP, Ellison 9000, MIL-16625	
89.99 (3.543")	2.77 +/-0.152	95.91 +0.00/-0.08	99.97	CCI-08999-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0354BDS, Ellison 9000, MIL-16625	
90.00 (3.543")	3.00 +0.35/-0.00	93.50 +0.00/-0.08	95.50	CCI-09000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J90X3, D1300-0900APP	
90.00 (3.543")	3.00 +0.35/-0.00	93.50 +0.00/-0.08	95.50	CCI-09000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J90X3-411, D1300-0900KSF	
90.00 (3.543")	3.00 +0.35/-0.00	93.50 +0.00/-0.08	95.50	CCI-09000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0900, Ellison INTV, Seeger JV	
90.00 (3.543")	3.00 +0.35/-0.00	93.50 +0.00/-0.08	95.50	CCI-09000-CZ	Circlips - Internal - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: J90X3, D1300-0900APP	
90.00 (3.543")	4.00 +0.35/-0.00	93.50 +0.00/-0.10	95.50	CCI-09000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0900, JS90X4	
90.47 (3.562")	2.69 +0.15/-0.00	97.28 +/-0.08	98.58	CIB-09047-C	Circlips - Internal - Bevelled Spring Steel: N1302-0356, MIL-16631, Ellison 9002	
90.47 (3.562")	2.77 +/-0.152	95.91 +/-0.076	98.58	CCI-09047-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0356, Waldes 5008, MIL 16627	
92.00 (3.622")	3.00 +0.35/-0.00	95.50 +0.00/-0.08	97.50	CCI-09200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J92X3, D1300-0920APP	
92.00 (3.622")	3.00 +0.35/-0.00	95.50 +0.00/-0.08	97.50	CCI-09200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J92X3-411, D1300-0920KSF	
92.08 (3.625")	2.69 +0.15/-0.00	99.06 +/-0.08	100.81	CIB-09208-C	Circlips - Internal - Bevelled Spring Steel: N1302-0362, MIL-16631, Ellison 9002	
92.08 (3.625")	2.77 +/-0.152	97.56 +0.00/-0.08	102.21	CCI-09208-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0362APP, Ellison 9000, MIL-16625	
92.08 (3.625")	2.77 +/-0.152	97.56 +0.00/-0.08	102.21	CCI-09208-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0362BDS, Ellison 9000, MIL-16625	
95.00 (3.740")	2.69 +0.15/-0.00	102.36 +/-0.08	103.94	CIB-09500-C	Circlips - Internal - Bevelled Spring Steel: N1302-0374, MIL-16631, Ellison 9002	
95.00 (3.740")	3.00 +0.35/-0.00	98.50 +0.00/-0.08	100.50	CCI-09500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J95X3, D1300-0950APP	
95.00 (3.740")	3.00 +0.35/-0.00	98.50 +0.00/-0.08	100.50	CCI-09500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J95X3-411, D1300-0950KSF	
95.00 (3.740")	4.00 +0.35/-0.00	98.50 +0.00/-0.10	100.50	CCI-09500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0950, JS95X4	
95.25 (3.750")	2.69 +0.15/-0.00	102.62 +/-0.08	103.94	CIB-09525-C	Circlips - Internal - Bevelled Spring Steel: N1302-0375, MIL-16631, Ellison 9002	
95.25 (3.750")	2.77 +/-0.152	100.94 +0.00/-0.08	105.59	CCI-09525-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0375APP, Ellison 9000, MIL-16625	
95.25 (3.750")	2.77 +/-0.152	100.94 +0.00/-0.08	105.59	CCI-09525-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0375BDS, Ellison 9000, MIL-16625	
97.00 (3.819")	3.00 +0.35/-0.00	100.50 +0.00/-0.08	103.50	CCI-09700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J97X3, D1300-0970APP	
98.00 (3.858")	3.00 +0.35/-0.00	101.50 +0.00/-0.08	103.50	CCI-09800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J98X3, D1300-0980APP	
98.00 (3.858")	3.00 +0.35/-0.00	101.50 +0.00/-0.08	103.50	CCI-09800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J98X3-411, D1300-0980KSF	

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Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
98.43 (3.875")	2.69 +0.15/-0.00	105.94 +/-0.08	107.34	CIB-09843-C	Circlips - Internal - Bevelled Spring Steel: N1302-0387, MIL-16631, Ellison 9002	
98.43 (3.875")	2.77 +/-0.152	104.32 +0.00/-0.08	108.99	CCI-09843-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0387APP, Ellison 9000, MIL-16625	
98.43 (3.875")	2.77 +/-0.152	104.32 +0.00/-0.08	108.99	CCI-09843-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0387BDS, Ellison 9000, MIL-16625	
100.00 (3.937")	3.00 +0.35/-0.00	103.50 +0.00/-0.08	105.50	CCI-10000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J100X3, D1300-1000APP	
100.00 (3.937")	3.00 +0.35/-0.00	103.50 +0.00/-0.08	105.44	CCI-10000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-1000, Ellison INTV, Seeger JV	
100.00 (3.937")	4.00 +0.35/-0.00	103.50 +0.00/-0.10	105.50	CCI-10000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1000, JS100X4	
100.01 (3.937")	2.69 +0.15/-0.00	107.59 +/-0.08	109.04	CIB-10001-C	Circlips - Internal - Bevelled Spring Steel: N1302-0394, MIL-16631, Ellison 9002	
100.01 (3.937")	2.77 +/-0.152	106.02 +0.00/-0.10	110.69	CCI-10001-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0393APP, Ellison 9000, MIL-16625	
100.01 (3.937")	2.77 +/-0.152	106.02 +0.00/-0.10	110.69	CCI-10001-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0393BDS, Ellison 9000, MIL-16625	
100.01 (3.937")	2.77 +/-0.152	106.02 +0.00/-0.10	110.69	CCI-10001-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0393AZD, Ellison 9000, MIL-16625	
101.60 (4.000")	2.69 +0.15/-0.00	109.27 +/-0.08	110.72	CIB-10160-C	Circlips - Internal - Bevelled Spring Steel: N1302-0400, MIL-16631, Ellison 9002	
101.60 (4.000")	2.77 +/-0.152	107.70 +/-0.076	112.37	CCI-10160-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0400, Waldes 5008, MIL 16627	
101.60 (4.000")	2.84 +/-0.152	107.54 +0.00/-0.10	112.37	CCI-10160-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0400, Ellison 9000, MIL-16625	
101.60 (4.000")	2.84 +/-0.152	107.54 +0.00/-0.10	112.37	CCI-10160-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0400AZD, Ellison 9000, MIL-16625	
102.00 (4.016")	4.00 +0.54/-0.00	106.00 +0.00/-0.10	108.00	CCI-10200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J102X4, D1300-1020APP	
103.00 (4.055")	4.00 +0.54/-0.00	108.00 +0.00/-0.10	110.76	CCI-10300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J103X4, D1300-1030APP	
104.78 (4.125")	2.69 +0.15/-0.00	112.60 +/-0.08	114.12	CIB-10478-C	Circlips - Internal - Bevelled Spring Steel: N1302-0412, MIL-16631, Ellison 9002	
104.78 (4.125")	2.77 +/-0.152	110.87 +0.00/-0.10	111.76	CCI-10478-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0412, Ellison 9000, MIL-16625	
105.00 (4.134")	4.00 +0.54/-0.00	409.00 +0.00/-0.10	112.00	CCI-10500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J105X4, D1300-1050APP	
105.00 (4.134")	5.00 +0.54/-0.00	109.00 +0.00/-0.12	112.00	CCI-10500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1050, JS105X5	
107.00 (4.213")	4.00 +0.54/-0.00	111.00 +0.00/-0.10	115.00	CCI-10700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J107X4, D1300-1070APP	
107.95 (4.250")	2.69 +0.15/-0.00	115.87 +/-0.08	117.50	CIB-10795-C	Circlips - Internal - Bevelled Spring Steel: N1302-0425, MIL-16631, Ellison 9002	
107.95 (4.250")	2.77 +/-0.152	114.05 +0.00/-0.10	116.08	CCI-10795-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0425, Ellison 9000, MIL-16625	
108.00 (4.252")	4.00 +0.54/-0.00	112.00 +0.00/-0.10	115.00	CCI-10800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J108X4, D1300-1080APP	
110.00 (4.331")	4.00 +0.54/-0.00	114.00 +0.00/-0.10	117.00	CCI-11000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J110X4, D1300-1100APP	
110.00 (4.331")	4.00 +0.54/-0.00	114.00 +0.00/-0.10	117.00	CCI-11000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J110X4-411, D1300-1100KSF	
110.00 (4.331")	5.00 +0.54/-0.00	114.00 +0.00/-0.12	117.00	CCI-11000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1100, JS110X5	
110.01 (4.331")	2.69 +0.15/-0.00	118.03 +/-0.08	119.15	CIB-11001-C	Circlips - Internal - Bevelled Spring Steel: N1302-0433, MIL-16631, Ellison 9002	
110.01 (4.331")	2.77 +/-0.152	116.00 +0.00/-0.10	120.80	CCI-11001N-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0433, Ellison 9000, MIL-16625	
110.01 (4.331")	2.77 +/-0.152	116.00 +0.00/-0.10	120.80	CCI-11001N-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0433BDS, Ellison 9000, MIL-16625	
112.00 (4.409")	4.00 +0.54/-0.00	116.00 +0.00/-0.10	119.00	CCI-11200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J112X4, D1300-1120APP	

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

Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
114.30 (4.500")	2.69 +0.15/-0.00	122.53 +/-0.08	123.83	CIB-11430-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0450, MIL-16631, Ellison 9002</i>	
114.30 (4.500")	2.77 +/-0.152	120.40 +0.00/-0.10	125.48	CCI-11430-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0450, J4.5X1.09IN</i>	
115.00 (4.528")	4.00 +0.54/-0.00	119.00 +0.00/-0.10	122.00	CCI-11500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J115X4, D1300-1150APP</i>	
115.00 (4.528")	5.00 +0.54/-0.00	119.00 +0.00/-0.12	122.00	CCI-11500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1150, JS115X5</i>	
117.00 (4.606")	4.00 +0.54/-0.00	121.00 +0.00/-0.10	125.00	CCI-11700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J117X4, D1300-1170APP</i>	
117.48 (4.625")	2.69 +0.15/-0.00	125.86 +/-0.08	127.28	CIB-11748-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0462, MIL-16631, Ellison 9002</i>	
117.48 (4.625")	2.77 +/-0.152	123.57 +0.00/-0.10	126.33	CCI-11748-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0462, Ellison 9000, MIL-16625</i>	
118.00 (4.646")	4.00 +0.63/-0.00	122.00 +0.00/-0.10	125.00	CCI-11800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J118X4, D1300-1180APP</i>	
119.99 (4.724")	2.69 +0.15/-0.00	128.52 +/-0.08	130.76	CIB-11999-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0472, MIL-16631, Ellison 9002</i>	
120.00 (4.724")	4.00 +0.63/-0.00	124.00 +0.00/-0.10	127.00	CCI-12000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J120X4, D1300-1200APP</i>	
120.00 (4.724")	5.00 +0.54/-0.00	124.00 +0.00/-0.12	127.00	CCI-12000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1200, JS120X5</i>	
120.65 (4.750")	2.69 +0.15/-0.00	129.18 +/-0.08	130.76	CIB-12065-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0475, MIL-16631, Ellison 9002</i>	
120.65 (4.750")	2.77 +/-0.152	126.21 +0.00/-0.10	129.03	CCI-12065-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0475, Ellison 9000, MIL-16625</i>	
120.65 (4.750")	2.77 +/-0.152	126.21 +0.00/-0.10	129.03	CCI-12065-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0475BDS, Ellison 9000, MIL-16625</i>	
120.65 (4.750")	2.77 +/-0.152	126.21 +0.00/-0.10	129.03	CCI-12065-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0475AZD, Ellison 9000, MIL-16625</i>	
122.00 (4.803")	4.00 +0.63/-0.00	126.00 +0.00/-0.10	129.00	CCI-12200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J122X4, D1300-1220APP</i>	
125.00 (4.921")	4.00 +0.63/-0.00	129.00 +0.00/-0.10	132.00	CCI-12500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J125X4, D1300-1250APP</i>	
125.00 (4.921")	5.00 +0.63/-0.00	129.00 +0.00/-0.12	132.00	CCI-12500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1250, JS125X5</i>	
127.00 (5.000")	2.69 +0.15/-0.00	135.79 +/-0.08	137.67	CIB-12700-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0500, MIL-16631, Ellison 9002</i>	
127.00 (5.000")	2.84 +/-0.152	133.45 +0.00/-0.08	139.32	CCI-12700N-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: N1300-0500, Ellison 9000, MIL-16625</i>	
127.00 (5.000")	2.84 +/-0.152	133.45 +0.00/-0.08	139.32	CCI-12700N-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0500AZD, Ellison 9000, MIL-16625</i>	
127.00 (5.000")	4.00 +0.63/-0.00	131.00 +0.00/-0.10	135.00	CCI-12700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J127X4, D1300-1270APP</i>	
128.00 (5.039")	4.00 +0.63/-0.00	132.00 +0.00/-0.10	135.00	CCI-12800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J128X4, D1300-1280APP</i>	
130.00 (5.118")	4.00 +0.63/-0.00	134.00 +0.00/-0.10	137.00	CCI-13000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J130X4, D1300-1300APP</i>	
130.00 (5.118")	5.00 +0.63/-0.00	134.00 +0.00/-0.12	137.00	CCI-13000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1300, JS130X5</i>	
132.00 (5.197")	4.00 +0.63/-0.00	136.00 +0.00/-0.10	139.00	CCI-13200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J132X4, D1300-1320APP</i>	
133.35 (5.250")	3.07 +0.18/-0.00	142.54 +/-0.08	144.91	CIB-13335-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0525, MIL-16631, Ellison 9002</i>	
133.35 (5.250")	3.18 +/-0.178	140.21 +0.00/-0.10	146.29	CCI-13335-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0525, Ellison 9000, MIL-16625</i>	
135.00 (5.315")	4.00 +0.63/-0.00	139.00 +0.00/-0.10	142.00	CCI-13500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J135X4, D1300-1350APP</i>	
135.00 (5.315")	5.00 +0.63/-0.00	139.00 +0.00/-0.12	142.00	CCI-13500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1350, JS135X5</i>	
136.53 (5.375")	3.07 +0.18/-0.00	145.77 +/-0.08	148.46	CIB-13653-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0537, MIL-16631, Ellison 9002</i>	



Usually stocked or Short Delivery



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Long Delivery or Large Minimum Quantities



Not in current production

Circlips - Internal						
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
136.53 (5.375")	3.18 +/-0.178	143.51 +0.00/-0.10	150.11	CCI-13653-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0537, Ellison 9000, MIL-16625	
137.00 (5.394")	4.00 +0.63/-0.00	141.00 +0.00/-0.10	145.00	CCI-13700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J137X4, D1300-1370APP	
139.70 (5.500")	3.07 +0.18/-0.00	148.95 +/-0.08	152.43	CIB-13970-C	Circlips - Internal - Bevelled Spring Steel: N1302-0550, MIL-16631, Ellison 9002	
139.70 (5.500")	3.28 +/-0.178	146.38 +0.00/-0.10	153.25	CCI-13970-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0550, Ellison 9000, MIL-16625	
140.00 (5.512")	4.00 +0.63/-0.00	144.00 +0.00/-0.10	147.00	CCI-14000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J140X4, D1300-1400APP	
140.00 (5.512")	5.00 +0.63/-0.00	144.00 +0.00/-0.12	147.00	CCI-14000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1400, JS140X5	
142.00 (5.591")	4.00 +0.63/-0.00	146.00 +0.00/-0.10	149.00	CCI-14200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J142X4, D1300-1420APP	
145.00 (5.709")	4.00 +0.63/-0.00	149.00 +0.00/-0.10	152.00	CCI-14500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J145X4, D1300-1450APP	
145.00 (5.709")	5.00 +0.63/-0.00	149.00 +0.00/-0.12	152.00	CCI-14500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1450, JS145X5	
146.05 (5.750")	3.07 +0.18/-0.00	155.45 +/-0.08	159.28	CIB-14605-C	Circlips - Internal - Bevelled Spring Steel: N1302-0575, MIL-16631, Ellison 9002	
146.05 (5.750")	3.18 +/-0.178	152.91 +0.00/-0.10	160.22	CCI-14605-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0575, Ellison 9000, MIL-16625	
147.00 (5.787")	4.00 +0.63/-0.00	151.00 +0.00/-0.10	155.00	CCI-14700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J147X4, D1300-1470APP	
148.00 (5.827")	4.00 +0.63/-0.00	152.00 +0.00/-0.10	155.00	CCI-14800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J148X4, D1300-1480APP	
150.00 (5.906")	4.00 +0.63/-0.00	155.00 +0.00/-0.10	158.00	CCI-15000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J150X4, D1300-1500APP	
150.00 (5.906")	5.00 +0.63/-0.00	155.00 +0.00/-0.12	158.00	CCI-15000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1500, JS150X5	
152.00 (5.984")	4.00 +0.63/-0.00	157.00 +0.00/-0.10	161.00	CCI-15200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J152X4, D1300-1520APP	
152.40 (6.000")	3.07 +0.18/-0.00	161.90 +/-0.08	166.50	CIB-15240-C	Circlips - Internal - Bevelled Spring Steel: N1302-0600, MIL-16631, Ellison 9002	
152.40 (6.000")	3.28 +/-0.178	159.08 +0.00/-0.10	169.17	CCI-15240-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0600, Ellison 9000, MIL-16625	
155.00 (6.102")	4.00 +0.63/-0.00	160.00 +0.00/-0.10	164.00	CCI-15500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J155X4, D1300-1550APP	
155.00 (6.102")	5.00 +0.63/-0.00	160.00 +0.00/-0.12	164.00	CCI-15500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1550, JS155X5	
157.00 (6.181")	4.00 +0.63/-0.00	162.00 +0.00/-0.10	167.00	CCI-15700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J157X4, D1300-1570APP	
158.00 (6.220")	4.00 +0.63/-0.00	163.00 +0.00/-0.12	167.00	CCI-15800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J158X4, D1300-1580APP	
158.75 (6.250")	3.84 +0.20/-0.00	168.71 +/-0.08	173.10	CIB-15875-C	Circlips - Internal - Bevelled Spring Steel: N1302-0625, MIL-16631, Ellison 9002	
158.75 (6.250")	4.09 +/-0.204	165.66 +0.00/-0.12	176.21	CCI-15875-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0625, Ellison 9000, MIL-16625	
160.00 (6.299")	4.00 +0.63/-0.00	165.00 +0.00/-0.10	169.00	CCI-16000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J160X4, D1300-1600APP	
160.00 (6.299")	5.00 +0.63/-0.00	165.00 +0.00/-0.12	169.00	CCI-16000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1600, JS160X5	
162.00 (6.378")	4.00 +0.63/-0.00	167.00 +0.00/-0.10	171.50	CCI-16200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J162X4, D1300-1620APP	
165.00 (6.496")	4.00 +0.63/-0.00	170.00 +0.00/-0.10	174.50	CCI-16500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J165X4, D1300-1650APP	
165.00 (6.496")	5.00 +0.63/-0.00	170.00 +0.00/-0.12	174.50	CCI-16500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1650, JS165X5	
165.10 (6.500")	3.84 +0.20/-0.00	175.46 +/-0.08	180.09	CIB-16510-C	Circlips - Internal - Bevelled Spring Steel: N1302-0650, MIL-16631, Ellison 9002	
165.10 (6.500")	4.09 +/-0.204	172.47 +0.00/-0.10	183.26	CCI-16510-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0650, Ellison 9000, MIL-16625	

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 Not in current production

Circlips - Internal					
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
167.00 (6.575")	4.00 +0.63/-0.00	172.00 +0.00/-0.10	177.50	CCI-16700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J167X4, D1300-1670APP
168.00 (6.614")	4.00 +0.63/-0.00	173.00 +0.00/-0.10	177.50	CCI-16800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J168X4, D1300-1680APP
168.28 (6.625")	3.84 +0.20/-0.00	178.87 +/-0.08	183.59	CIB-16828-C	Circlips - Internal - Bevelled Spring Steel: N1302-0662, MIL-16631, Ellison 9002
168.28 (6.625")	4.09 +/-0.204	175.90 +0.00/-0.10	186.79	CCI-16828-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0662, Ellison 9000, MIL-16625
170.00 (6.693")	4.00 +0.63/-0.00	175.00 +0.00/-0.10	179.50	CCI-17000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J170X4, D1300-1700APP
170.00 (6.693")	5.00 +0.63/-0.00	175.00 +0.00/-0.12	179.50	CCI-17000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1700, JS170X5
171.45 (6.750")	3.84 +0.20/-0.00	182.22 +/-0.08	187.07	CIB-17145-C	Circlips - Internal - Bevelled Spring Steel: N1302-0675, MIL-16631, Ellison 9002
171.45 (6.750")	4.09 +/-0.204	179.20 +0.00/-0.10	190.31	CCI-17145-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0675, Ellison 9000, MIL-16625
172.00 (6.772")	4.00 +0.63/-0.00	177.00 +0.00/-0.10	181.50	CCI-17200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J172X4, D1300-1720APP
175.00 (6.890")	4.00 +0.63/-0.00	180.00 +0.00/-0.10	184.50	CCI-17500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J175X4, D1300-1750APP
175.00 (6.890")	5.00 +0.63/-0.00	180.00 +0.00/-0.12	184.50	CCI-17500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1750, JS175X5
177.00 (6.969")	4.00 +0.72/-0.00	182.00 +0.00/-0.10	187.50	CCI-17700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J177X4, D1300-1770APP
177.80 (7.000")	3.84 +0.20/-0.00	189.00 +/-0.08	194.06	CIB-17780-C	Circlips - Internal - Bevelled Spring Steel: N1302-0700, MIL-16631, Ellison 9002
177.80 (7.000")	4.09 +/-0.204	185.60 +0.00/-0.12	197.36	CCI-17780-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0700, Ellison 9000, MIL-16625
178.00 (7.008")	4.00 +0.72/-0.00	183.00 +0.00/-0.10	187.50	CCI-17800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J178X4, D1300-1780APP
180.00 (7.087")	4.00 +0.72/-0.00	185.00 +0.00/-0.10	189.50	CCI-18000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J180X4, D1300-1800APP
180.00 (7.087")	5.00 +0.72/-0.00	185.00 +0.00/-0.12	189.50	CCI-18000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1800, JS180X5
182.00 (7.165")	4.00 +0.72/-0.00	185.00 +0.00/-0.10	191.50	CCI-18200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J182X4, D1300-1820APP
184.15 (7.250")	4.62 +0.20/-0.00	195.78 +/-0.08	200.79	CIB-18415-C	Circlips - Internal - Bevelled Spring Steel: N1302-0725, MIL-16631, Ellison 9002
184.15 (7.250")	4.75 +/-0.204	192.41 +0.00/-0.12	203.07	CCI-18415-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0725, Ellison 9000, MIL-16625
185.00 (7.283")	4.00 +0.72/-0.00	190.00 +0.00/-0.10	194.50	CCI-18500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J185X4, D1300-1850APP
185.00 (7.283")	5.00 +0.72/-0.00	190.00 +0.00/-0.12	194.50	CCI-18500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1850, JS185X5
187.00 (7.362")	4.00 +0.72/-0.00	192.00 +0.00/-0.10	197.50	CCI-18700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J187X4, D1300-1870APP
188.00 (7.402")	4.00 +0.72/-0.00	193.00 +0.00/-0.10	197.50	CCI-18800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J188X4, D1300-1880APP
190.00 (7.480")	4.00 +0.72/-0.00	195.00 +0.00/-0.10	199.50	CCI-19000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J190X4, D1300-1900APP
190.00 (7.480")	5.00 +0.72/-0.00	195.00 +0.00/-0.12	199.50	CCI-19000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1900, JS190X5
190.50 (7.500")	4.62 +0.20/-0.00	202.54 +/-0.08	207.77	CIB-19050-C	Circlips - Internal - Bevelled Spring Steel: N1302-0750, MIL-16631, Ellison 9002
190.50 (7.500")	4.75 +/-0.204	199.14 +0.00/-0.12	211.46	CCI-19050-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0750, Ellison 9000, MIL-16625
192.00 (7.559")	4.00 +0.72/-0.00	197.00 +0.00/-0.10	201.50	CCI-19200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J192X4, D1300-1920APP
195.00 (7.677")	4.00 +0.72/-0.00	200.00 +0.00/-0.10	204.50	CCI-19500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J195X4, D1300-1950APP
195.00 (7.677")	5.00 +0.72/-0.00	200.00 +0.00/-0.12	204.50	CCI-19500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1950, JS195X5

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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal					
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
196.85 (7.750")	4.62 +0.20/-0.00	209.30 +/-0.08	214.76	CIB-19685-C	Circlips - Internal - Bevelled Spring Steel: N1302-0775, MIL-16631, Ellison 9002
196.85 (7.750")	4.75 +/-0.204	205.74 +0.00/-0.12	218.51	CCI-19685-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0775, Ellison 9000, MIL-16625
197.00 (7.756")	4.00 +0.72/-0.00	202.00 +0.00/-0.10	207.50	CCI-19700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J197X4, D1300-1970APP
198.00 (7.795")	4.00 +0.72/-0.00	203.00 +0.00/-0.10	207.50	CCI-19800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J198X4, D1300-1980APP
200.00 (7.874")	4.00 +0.72/-0.00	205.00 +0.00/-0.10	209.50	CCI-20000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J200X4, D1300-2000APP
200.00 (7.874")	5.00 +0.72/-0.00	205.00 +0.00/-0.12	209.50	CCI-20000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-2000, JS200X5
202.00 (7.953")	5.00 +0.72/-0.00	208.00 +0.00/-0.12	214.00	CCI-20200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J202X5, D1300-2020APP
203.20 (8.000")	4.62 +0.20/-0.00	216.08 +/-0.08	221.74	CIB-20320-C	Circlips - Internal - Bevelled Spring Steel: N1302-0800, MIL-16631, Ellison 9002
203.20 (8.000")	4.75 +/-0.204	212.34 +0.00/-0.12	224.03	CCI-20320-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0800, Ellison 9000, MIL-16625
205.00 (8.071")	5.00 +0.72/-0.00	211.00 +0.00/-0.12	217.00	CCI-20500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J205X5, D1300-2050APP
207.00 (8.150")	5.00 +0.72/-0.00	213.00 +0.00/-0.12	217.00	CCI-20700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J207X5, D1300-2070APP
208.00 (8.189")	5.00 +0.72/-0.00	214.00 +0.00/-0.12	222.00	CCI-20800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J208X5, D1300-2080APP
209.55 (8.250")	4.62 +0.20/-0.00	222.83 +/-0.08	228.73	CIB-20955-C	Circlips - Internal - Bevelled Spring Steel: N1302-0825, MIL-16631, Ellison 9002
209.55 (8.250")	4.75 +/-0.204	218.95 +0.00/-0.12	231.01	CCI-20955-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0825, Ellison 9000, MIL-16625
210.00 (8.268")	5.00 +0.72/-0.00	216.00 +0.00/-0.12	222.00	CCI-21000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J210X5, D1300-2100APP
212.00 (8.346")	5.00 +0.72/-0.00	218.00 +0.00/-0.12	222.00	CCI-21200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J212X5, D1300-2120APP
215.00 (8.465")	5.00 +0.72/-0.00	221.00 +0.00/-0.12	227.00	CCI-21500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J215X5, D1300-2150APP
215.90 (8.500")	4.62 +0.20/-0.00	229.62 +/-0.08	233.55	CIB-21590-C	Circlips - Internal - Bevelled Spring Steel: N1302-0850, MIL-16631, Ellison 9002
215.90 (8.500")	4.75 +/-0.204	225.55 +0.00/-0.12	239.65	CCI-21590-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0850, Ellison 9000, MIL-16625
217.00 (8.543")	5.00 +0.72/-0.00	223.00 +0.00/-0.12	227.00	CCI-21700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J217X5, D1300-2170APP
218.00 (8.583")	5.00 +0.72/-0.00	224.00 +0.00/-0.12	232.00	CCI-21800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J218X5, D1300-2180APP
220.00 (8.661")	5.00 +0.72/-0.00	226.00 +0.00/-0.12	232.00	CCI-22000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J220X5, D1300-2200APP
222.00 (8.740")	5.00 +0.72/-0.00	228.00 +0.00/-0.12	232.00	CCI-22200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J222X5, D1300-2220APP
222.25 (8.750")	4.62 +0.20/-0.00	236.40 +/-0.08	240.49	CIB-22225-C	Circlips - Internal - Bevelled Spring Steel: N1302-0875, MIL-16631, Ellison 9002
222.25 (8.750")	4.75 +/-0.204	232.28 +0.00/-0.12	242.77	CCI-22225-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0875, Ellison 9000, MIL-16625
225.00 (8.858")	5.00 +0.72/-0.00	236.00 +0.00/-0.12	237.00	CCI-22500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J225X5, D1300-2250APP
227.00 (8.937")	5.00 +0.72/-0.00	233.00 +0.00/-0.12	237.00	CCI-22700-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J227X5, D1300-2270APP
228.00 (8.976")	5.00 +0.72/-0.00	234.00 +0.00/-0.12	242.00	CCI-22800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J228X5, D1300-2280APP
228.60 (9.000")	4.62 +0.20/-0.00	243.15 +/-0.08	247.40	CIB-22860-C	Circlips - Internal - Bevelled Spring Steel: N1302-0900, MIL-16631, Ellison 9002
228.60 (9.000")	4.75 +/-0.204	238.89 +0.00/-0.12	253.75	CCI-22860-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0900, Ellison 9000, MIL-16625
230.00 (9.055")	5.00 +0.72/-0.00	236.00 +0.00/-0.12	242.00	CCI-23000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J230X5, D1300-2300APP

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Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal					
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
232.00 (9.134")	5.00 +0.72/-0.00	238.00 +0.00/-0.12	242.00	CCI-23200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J232X5, D1300-2320APP</i>
234.95 (9.250")	4.62 +0.20/-0.00	249.89 +/-0.08	254.30	CIB-23495-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0925, MIL-16631, Ellison 9002</i>
234.95 (9.250")	4.75 +/-0.204	245.57 +0.00/-0.12	256.59	CCI-23495-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0925, Ellison 9000, MIL-16625</i>
235.00 (9.252")	5.00 +0.72/-0.00	241.00 +0.00/-0.12	247.00	CCI-23500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J235X5, D1300-2350APP</i>
237.00 (9.331")	5.00 +0.72/-0.00	243.00 +0.00/-0.12	247.00	CCI-23700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J237X5, D1300-2370APP</i>
238.00 (9.370")	5.00 +0.72/-0.00	244.00 +0.00/-0.12	252.00	CCI-23800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J238X5, D1300-2380APP</i>
240.00 (9.449")	5.00 +0.72/-0.00	246.00 +0.00/-0.12	252.00	CCI-24000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J240X5, D1300-2400APP</i>
241.30 (9.500")	4.62 +0.20/-0.00	256.69 +/-0.08	261.24	CIB-24130-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0950, MIL-16631, Ellison 9002</i>
241.30 (9.500")	4.75 +/-0.204	252.22 +0.00/-0.12	262.53	CCI-24130-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0950, Ellison 9000, MIL-16625</i>
242.00 (9.528")	5.00 +0.72/-0.00	248.00 +0.00/-0.12	252.00	CCI-24200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J242X5, D1300-2420APP</i>
245.00 (9.646")	5.00 +0.81/-0.00	251.00 +0.00/-0.12	257.00	CCI-24500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J245X5, D1300-2450APP</i>
247.00 (9.724")	5.00 +0.81/-0.00	253.00 +0.00/-0.12	257.00	CCI-24700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J247X5, D1300-2470APP</i>
247.65 (9.750")	4.62 +0.20/-0.00	263.45 +/-0.08	268.17	CIB-24765-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0975, MIL-16631, Ellison 9002</i>
247.65 (9.750")	4.75 +/-0.204	258.83 +0.00/-0.12	274.89	CCI-24765-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0975, Ellison 9000, MIL-16625</i>
248.00 (9.764")	5.00 +0.81/-0.00	254.00 +0.00/-0.12	262.00	CCI-24800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J248X5, D1300-2480APP</i>
250.00 (9.843")	5.00 +0.81/-0.00	256.00 +0.00/-0.12	262.00	CCI-25000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J250X5, D1300-2500APP</i>
252.00 (9.921")	5.00 +0.81/-0.00	260.00 +0.00/-0.12	262.00	CCI-25200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J252X5, D1300-2520APP</i>
254.00 (10.000")	4.62 +0.20/-0.00	270.23 +/-0.08	275.08	CIB-25400-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-1000, MIL-16631, Ellison 9002</i>
254.00 (10.000")	4.75 +/-0.178	265.43 +0.00/-0.12	281.94	CCI-25400-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-1000, Ellison 9000, MIL-16625</i>
255.00 (10.039")	5.00 +0.81/-0.00	263.00 +0.00/-0.12	270.00	CCI-25500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J255X5, D1300-2550APP</i>
257.00 (10.118")	5.00 +0.81/-0.00	265.00 +0.00/-0.12	270.00	CCI-25700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J257X5, D1300-2570APP</i>
258.00 (10.157")	5.00 +0.81/-0.00	266.00 +0.00/-0.12	275.00	CCI-25800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J258X5, D1300-2580APP</i>
260.00 (10.236")	5.00 +0.81/-0.00	268.00 +0.00/-0.12	275.00	CCI-26000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J260X5, D1300-2600APP</i>
262.00 (10.315")	5.00 +0.81/-0.00	270.00 +0.00/-0.12	275.00	CCI-26200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J262X5, D1300-2620APP</i>
265.00 (10.433")	5.00 +0.81/-0.00	273.00 +0.00/-0.12	280.00	CCI-26500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J265X5, D1300-2650APP</i>
267.00 (10.512")	5.00 +0.81/-0.00	275.00 +0.00/-0.12	280.00	CCI-26700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J267X5, D1300-2670APP</i>
268.00 (10.551")	5.00 +0.81/-0.00	276.00 +0.00/-0.12	285.00	CCI-26800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J268X5, D1300-2680APP</i>
270.00 (10.630")	5.00 +0.81/-0.00	278.00 +0.00/-0.12	285.00	CCI-27000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J270X5, D1300-2700APP</i>
272.00 (10.709")	5.00 +0.81/-0.00	280.00 +0.00/-0.12	285.00	CCI-27200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J272X5, D1300-2720APP</i>
275.00 (10.827")	5.00 +0.81/-0.00	283.00 +0.00/-0.12	290.00	CCI-27500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J275X5, D1300-2750APP</i>
277.00 (10.906")	5.00 +0.81/-0.00	285.00 +0.00/-0.12	290.00	CCI-27700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J277X5, D1300-2770APP</i>

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
Long Delivery or Large Minimum Quantities
 Not in current production



Circlips - Internal					
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
278.00 (10.945")	5.00 +0.81/-0.00	286.00 +0.00/-0.12	295.00	CCI-27800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J278X5, D1300-2780APP</i>
280.00 (11.024")	5.00 +0.81/-0.00	288.00 +0.00/-0.12	295.00	CCI-28000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J280X5, D1300-2800APP</i>
282.00 (11.102")	5.00 +0.81/-0.00	290.00 +0.00/-0.12	295.00	CCI-28200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J282X5, D1300-2820APP</i>
285.00 (11.220")	5.00 +0.81/-0.00	293.00 +0.00/-0.12	300.00	CCI-28500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J285X5, D1300-2850APP</i>
287.00 (11.299")	5.00 +0.81/-0.00	295.00 +0.00/-0.12	300.00	CCI-28700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J287X5, D1300-2870APP</i>
288.00 (11.339")	5.00 +0.81/-0.00	296.00 +0.00/-0.12	305.00	CCI-28800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J288X5, D1300-2880APP</i>
290.00 (11.417")	5.00 +0.81/-0.00	298.00 +0.00/-0.12	305.00	CCI-29000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J290X5, D1300-2900APP</i>
292.00 (11.496")	5.00 +0.81/-0.00	300.00 +0.00/-0.12	305.00	CCI-29200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J292X5, D1300-2920APP</i>
295.00 (11.614")	5.00 +0.81/-0.00	303.00 +0.00/-0.12	310.00	CCI-29500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J295X5, D1300-2950APP</i>
297.00 (11.693")	5.00 +0.81/-0.00	305.00 +0.00/-0.12	310.00	CCI-29700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J297X5, D1300-2970APP</i>
298.00 (11.732")	5.00 +0.81/-0.00	306.00 +0.00/-0.12	315.00	CCI-29800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J298X5, D1300-2980APP</i>
300.00 (11.811")	5.00 +0.81/-0.00	308.00 +0.00/-0.12	315.00	CCI-30000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J300X5, D1300-3000APP</i>
305.00 (12.008")	6.00 +0.81/-0.00	315.00 +0.00/-0.15	322.00	CCI-30500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J305X6, D1300-3050APP</i>
310.00 (12.205")	6.00 +0.89/-0.00	320.00 +0.00/-0.15	327.00	CCI-31000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J310X6, D1300-3100APP</i>
315.00 (12.402")	6.00 +0.89/-0.00	325.00 +0.00/-0.15	332.00	CCI-31500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J315X6, D1300-3150APP</i>
320.00 (12.598")	6.00 +0.89/-0.00	330.00 +0.00/-0.15	337.00	CCI-32000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J320X6, D1300-3200APP</i>
325.00 (12.795")	6.00 +0.89/-0.00	335.00 +0.00/-0.15	342.00	CCI-32500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J325X6, D1300-3250APP</i>
330.00 (12.992")	6.00 +0.89/-0.00	340.00 +0.00/-0.15	347.00	CCI-33000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J330X6, D1300-3300APP</i>
335.00 (13.189")	6.00 +0.89/-0.00	345.00 +0.00/-0.15	352.00	CCI-33500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J335X6, D1300-3350APP</i>
340.00 (13.386")	6.00 +0.89/-0.00	350.00 +0.00/-0.15	357.00	CCI-34000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J340X6, D1300-3400APP</i>
345.00 (13.583")	6.00 +0.89/-0.00	355.00 +0.00/-0.15	362.00	CCI-34500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J345X6, D1300-3450APP</i>
350.00 (13.780")	6.00 +0.89/-0.00	360.00 +0.00/-0.15	367.00	CCI-35000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J350X6, D1300-3500APP</i>
355.00 (13.976")	6.00 +0.89/-0.00	365.00 +0.00/-0.15	372.00	CCI-35500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J355X6, D1300-3550APP</i>
360.00 (14.173")	6.00 +0.89/-0.00	370.00 +0.00/-0.15	377.00	CCI-36000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J360X6, D1300-3600APP</i>
365.00 (14.370")	6.00 +0.89/-0.00	375.00 +0.00/-0.15	382.00	CCI-36500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J365X6, D1300-3650APP</i>
370.00 (14.567")	6.00 +0.89/-0.00	380.00 +0.00/-0.15	387.00	CCI-37000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J370X6, D1300-3700APP</i>
375.00 (14.764")	6.00 +0.89/-0.00	385.00 +0.00/-0.15	392.00	CCI-37500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J375X6, D1300-3750APP</i>
380.00 (14.961")	6.00 +0.89/-0.00	390.00 +0.00/-0.15	397.00	CCI-38000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J380X6, D1300-3800APP</i>
385.00 (15.157")	6.00 +0.89/-0.00	395.00 +0.00/-0.15	402.00	CCI-38500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J385X6, D1300-3850APP</i>
390.00 (15.354")	6.00 +0.89/-0.00	400.00 +0.00/-0.15	407.00	CCI-39000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J390X6, D1300-3900APP</i>
395.00 (15.551")	6.00 +1.00/-0.00	405.00 +0.00/-0.15	412.00	CCI-39500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J395X6, D1300-3950APP</i>

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 ** Available while stocks last **

Long Delivery or Large Minimum Quantities
 Not in current production

Circlips - Internal					
Housing Bore (B) (mm)	Clip Thickness (T) (mm)	Groove Dia. (G) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
400.00 (15.748")	6.00 +1.00/-0.00	410.00 +0.00/-0.15	417.00	CCI-40000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. J400X6, D1300-4000APP</i>
410.00 (16.142")	7.00 +1.00/-0.00	422.00 +0.00/-0.15	430.00	CCI-41000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J410X7, D1300-4100APP</i>
420.00 (16.535")	7.00 +1.00/-0.00	432.00 +0.00/-0.15	440.00	CCI-42000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J420X7, D1300-4200APP</i>
430.00 (16.929")	7.00 +1.00/-0.00	442.00 +0.00/-0.15	450.00	CCI-43000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J430X7, D1300-4300APP</i>
440.00 (17.323")	7.00 +1.00/-0.00	452.00 +0.00/-0.15	460.00	CCI-44000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J440X7, D1300-4400APP</i>
450.00 (17.717")	7.00 +1.00/-0.00	462.00 +0.00/-0.15	470.00	CCI-45000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J450X7, D1300-4500APP</i>
460.00 (18.110")	7.00 +1.00/-0.00	472.00 +0.00/-0.15	480.00	CCI-46000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J460X7, D1300-4600APP</i>
470.00 (18.504")	7.00 +1.00/-0.00	482.00 +0.00/-0.15	490.00	CCI-47000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J470X7, D1300-4700APP</i>
480.00 (18.898")	7.00 +1.00/-0.00	492.00 +0.00/-0.15	500.00	CCI-48000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J480X7, D1300-4800APP</i>
490.00 (19.291")	7.00 +1.00/-0.00	502.00 +0.00/-0.15	510.00	CCI-49000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J490X7, D1300-4900APP</i>
500.00 (19.685")	7.00 +1.00/-0.00	512.00 +0.00/-0.15	520.00	CCI-50000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J500X7, D1300-5000APP</i>
510.00 (20.079")	8.00 +1.00/-0.00	524.00 +0.00/-0.15	535.00	CCI-51000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J510X8, D1300-5100APP</i>
520.00 (20.472")	8.00 +1.00/-0.00	534.00 +0.00/-0.15	545.00	CCI-52000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J520X8, D1300-5200APP</i>
530.00 (20.866")	8.00 +1.00/-0.00	544.00 +0.00/-0.15	555.00	CCI-53000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J530X8, D1300-5300APP</i>
540.00 (21.260")	8.00 +1.00/-0.00	554.00 +0.00/-0.15	565.00	CCI-54000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J540X8, D1300-5400APP</i>
550.00 (21.654")	8.00 +1.00/-0.00	564.00 +0.00/-0.15	575.00	CCI-55000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J550X8, D1300-5500APP</i>
560.00 (22.047")	8.00 +1.00/-0.00	574.00 +0.00/-0.15	585.00	CCI-56000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J560X8, D1300-5600APP</i>
570.00 (22.441")	8.00 +1.00/-0.00	584.00 +0.00/-0.15	595.00	CCI-57000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J570X8, D1300-5700APP</i>
580.00 (22.835")	8.00 +1.00/-0.00	594.00 +0.00/-0.15	605.00	CCI-58000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J580X8, D1300-5800APP</i>
590.00 (23.228")	8.00 +1.00/-0.00	604.00 +0.00/-0.15	615.00	CCI-59000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J590X8, D1300-5900APP</i>
600.00 (23.622")	8.00 +1.00/-0.00	614.00 +0.00/-0.15	625.00	CCI-60000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J600X8, D1300-6000APP</i>
650.00 (25.591")	9.00 +1.00/-0.00	666.00 +0.00/-0.20	680.00	CCI-65000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J650X9, D1300-6500APP</i>
700.00 (27.559")	9.00 +1.00/-0.00	716.00 +0.00/-0.20	730.00	CCI-70000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J700X9, D1300-7000APP</i>
750.00 (29.528")	9.00 +1.00/-0.00	768.00 +0.00/-0.20	785.00	CCI-75000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J750X9, D1300-7500APP</i>
800.00 (31.496")	9.00 +1.00/-0.00	818.00 +0.00/-0.20	835.00	CCI-80000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J800X9, D1300-8000APP</i>
850.00 (33.465")	9.00 +1.00/-0.00	870.00 +0.00/-0.20	890.00	CCI-85000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J850X9, D1300-8500APP</i>
900.00 (35.433")	9.00 +1.00/-0.00	920.00 +0.00/-0.20	940.00	CCI-90000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J900X9, D1300-9000APP</i>
950.00 (37.402")	9.00 +1.00/-0.00	972.00 +0.00/-0.20	1000.00	CCI-95000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J950X9, D1300-9500APP</i>

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 Long Delivery or Large Minimum Quantities
 Not in current production

E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
1.00 (0.039") +0.25/-0.00	0.66 +0.051/-0.000	0.25 +/-0.025	1.75	ECL-0007-0010-B	E-Clips - Basic - Beryllium Copper N1500-X004BC	
1.00 (0.039") +0.25/-0.00	0.66 +0.051/-0.000	0.25 +/-0.025	1.75	ECL-0007-0010-C	E-Clips - Basic - Carbon Steel N1500-X004, A 9Q29-04	
1.00 (0.039") +0.60/-0.00	0.80 +0.00/-0.04	0.20 +/-0.02	2.00	ECL-0008-0010-B	E-Clips - Basic - Beryllium Copper D1500-0008, MD6799MQB008	
1.40 (0.055") +0.60/-0.00	1.20 +0.00/-0.06	0.30 +/-0.02	2.90	ECL-0012-0014-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0012, Ellison 6799, Seeger RA	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.25 +/-0.025	3.56	ECL-0013-0016-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X006, A 9Q29-X06	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.25 +/-0.025	3.96	ECL-0013-0016A-B	E-Clips - Basic - Beryllium Copper N1500-0006BC	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.25 +/-0.025	3.96	ECL-0013-0016A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0006, A 9Q29-06	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.25 +/-0.025	3.96	ECL-0013-0016A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0006KSF, S73LW2-ER133-06	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.31 +/-0.038	6.35	ECL-0013-0020-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S052	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.38 +/-0.045	3.96	ECL-0013-0016D-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A052	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.51 +/-0.050	4.76	ECL-0013-0016C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-Y006	
1.59 (0.063") +0.76/-0.00	1.32 +0.051/-0.000	0.51 +/-0.050	4.76	ECL-0013-0016C-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-Y006KSF, S73LW2-ER133-06A	
1.98 (0.078") +0.76/-0.00	1.58 +0.051/-0.000	0.64 +/-0.038	7.49	ECL-0016-0020-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S062	
2.00 (0.079") +0.50/-0.00	1.50 +0.00/-0.06	0.40 +/-0.02	3.85	ECL-0015-0020-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0015, Ellison 6799, Seeger RA	
2.00 (0.079") +0.50/-0.00	1.50 +0.00/-0.06	0.40 +/-0.02	3.85	ECL-0015-0020-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0015KSF, Ellison 6799, Seeger RA	
2.39 (0.094") +0.76/-0.00	1.88 +0.051/-0.000	0.38 +/-0.025	4.75	ECL-0018-0024A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0009, A 9Q29-09	
2.39 (0.094") +0.76/-0.00	1.88 +0.051/-0.000	0.38 +/-0.025	4.75	ECL-0018-0024A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0009KSF, S73LW2-ER133-09	
2.39 (0.094") +0.76/-0.00	1.88 +0.051/-0.000	0.38 +/-0.052	5.23	ECL-0018-0024D-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: N1540-0009, MIL-3215	
2.39 (0.094") +0.76/-0.00	1.88 +0.051/-0.000	0.38 +/-0.050	5.84	ECL-0018-0024-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X009, A 9Q29-X09	
2.50 (0.098") +0.50/-0.00	1.90 +0.00/-0.06	0.50 +/-0.02	4.40	ECL-0019-0025-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0019, Ellison 6799, Seeger RA	
2.50 (0.098") +0.50/-0.00	1.90 +0.00/-0.06	0.50 +/-0.02	4.40	ECL-0019-0025-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0019KSF, Ellison 6799, Seeger RA	
2.79 (0.110") +1.02/-0.00	1.98 +0.051/-0.000	0.51 +/-0.038	10.82	ECL-0020-0028-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-U078	
2.79 (0.110") +1.02/-0.00	2.01 +0.051/-0.000	0.38 +/-0.050	9.53	ECL-0020-0028A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1501-X011	
2.79 (0.110") +0.76/-0.00	2.07 +0.051/-0.000	0.51 +/-0.025	9.53	ECB-0021-0028-C	E-Clips - Bowed Carbon Spring Steel: B1500-E079, Rotorclip BE, MIL 16634	
2.79 (0.110") +1.02/-0.00	2.18 +0.051/-0.000	0.56 +/-0.051	7.16	ECL-0022-0028-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: A1500-C086	
3.00 (0.118") +1.00/-0.00	2.30 +0.00/-0.06	0.60 +/-0.02	5.90	ECL-0023-0030-C	E-Clips - Basic - Carbon Steel D1500-0023, Ellison 6799, Seeger RA	
3.00 (0.118") +1.00/-0.00	2.30 +0.00/-0.06	0.60 +/-0.02	5.90	ECL-0023-0030-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0023KSF, Ellison 6799, Seeger RA	
3.18 (0.125") +0.76/-0.00	2.31 +0.051/-0.000	0.56 +/-0.038	7.14	ECL-0023-0032-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S091	
3.18 (0.125") +0.50/-0.00	2.41 +0.051/-0.000	0.25 +/-0.025	5.84	ECB-0024-0032-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0012KSF, S73KW2-131-12	
3.18 (0.125") +0.50/-0.00	2.41 +0.051/-0.000	0.25 +/-0.025	5.84	ECB-0024-0032-C	E-Clips - Bowed Carbon Spring Steel: N1501-0012, Rotorclip BE, MIL 16634	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.38 +/-0.050	5.84	ECL-0024-0032A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0012	

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E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.38 +/-0.050	5.84	ECL-0024-0032A-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0012AZD	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.38 +/-0.050	5.84	ECL-0024-0032A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0012KSF, S73LW2-ER133-12	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.38 +/-0.052	6.85	ECL-0024-0032-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0012, MIL-3215	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.38	5.84	ECL-0024-0032D-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-B095, MIL-3215	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.51 +/-0.038	9.50	ECL-0024-0032E-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-U095	
3.18 (0.125") +1.02/-0.00	2.41 +0.051/-0.000	0.64 +/-0.050	5.43	ECL-0024-0032B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A095	
3.18 (0.125") +1.52/-0.00	2.59 +0.051/-0.000	0.31 +/-0.038	9.55	ECL-0026-0032-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S102	
3.56 (0.140") +1.02/-0.00	2.59 +0.051/-0.000	0.38 +/-0.050	5.16	ECL-0026-0036-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A102, A 9Q29-X14	
3.56 (0.140") +0.051/-0.000	2.67 +/-0.051	0.38	6.86	ECB-0027-0036-C	E-Clips - Bowed Carbon Spring Steel: N1501-0014, Rotorclip BE, MIL 16634	
3.56 (0.140") +1.02/-0.00	2.67 +0.051/-0.000	0.64 +/-0.050	6.85	ECL-0027-0036-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0014, A 9Q29-14	
3.56 (0.140") +1.02/-0.00	2.67 +0.051/-0.000	0.64 +/-0.050	6.85	ECL-0027-0036-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0014KSF	
3.56 (0.140") +1.02/-0.00	2.67 +0.051/-0.000	0.64 +/-0.050	6.85	ECL-0027-0036-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0014AZD	
3.56 (0.140") +1.02/-0.00	2.79 +0.051/-0.000	0.38	6.35	ECL-0028-0036-C	E-Clips - Basic - Carbon Steel N1500-Y014, A 9Q29-Y14	
3.68 (0.145") +0.051/-0.000	2.59 +/-0.051	0.25	5.16	ECB-0026-0037-C	E-Clips - Bowed Carbon Spring Steel: N1501-X014, Rotorclip BE, MIL 16634	
3.97 (0.156") +0.051/-0.000	2.95 +/-0.051	0.38	7.16	ECB-0029-0039-C	E-Clips - Bowed Carbon Spring Steel: N1501-0015, Rotorclip BE, MIL 16634	
3.97 (0.156") +1.26/-0.00	2.95 +0.051/-0.000	0.64 +/-0.050	7.16	ECL-0029-0040A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0015, A 9Q29-15	
3.97 (0.156") +1.26/-0.00	2.95 +0.051/-0.000	0.64 +/-0.050	7.16	ECL-0029-0040A-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: N1500-0015AZD	
3.97 (0.156") +1.26/-0.00	2.95 +0.051/-0.000	0.64 +/-0.050	7.16	ECL-0029-0040A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0015KSF, S73LW2-ER133-15	
3.97 (0.156") +1.26/-0.00	2.95 +0.051/-0.000	0.64 +/-0.052	8.51	ECL-0029-0039-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0015, MIL-3215	
3.97 (0.156") +1.26/-0.00	3.00 +0.051/-0.000	1.06 +/-0.050	9.53	ECL-0030-0039-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish	
3.97 (0.156") +1.26/-0.00	3.01 +/-0.102	0.89 +/-0.052	8.13	ECL-0030-0039-C-KR	E-Clips - Klipping Carbon Steel: PO-015, Waldes 5304-T5304	
3.97 (0.156") +1.52/-0.00	3.05 +0.051/-0.000	0.61 +/-0.038	7.87	ECL-0031-0039B-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S120	
3.97 (0.156") +1.02/-0.00	3.05 +0.051/-0.000	0.61 +/-0.051	8.13	ECL-0031-0039A-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-C120	
3.97 (0.156") +1.02/-0.00	3.15 +0.051/-0.000	0.31 +/-0.038	10.31	ECL-0032-0039-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-C124	
4.37 (0.172") +1.02/-0.00	3.18 +0.051/-0.000	0.51 +/-0.038	12.70	ECL-0032-0044-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-U125	
4.37 (0.172") +0.051/-0.000	3.23 +/-0.051	0.38	7.92	ECB-0032-0044-C	E-Clips - Bowed Carbon Spring Steel: N1501-X017, Rotorclip BE, MIL 16634	
4.37 (0.172") +1.02/-0.00	3.23 +0.051/-0.000	0.51	7.92	ECL-0032-0048D-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A125	
4.37 (0.172") +1.02/-0.00	3.23 +0.051/-0.000	0.64 +/-0.050	7.92	ECL-0032-0044A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X017, A 9Q29-X17	
4.45 (0.175") +0.55/-0.00	3.20 +0.00/-0.075	0.60 +/-0.02	6.80	ECL-0032-0045-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0032KSF, Ellison 6799, Seeger RA	
4.45 (0.175") +0.55/-0.00	3.20 +0.00/-0.075	0.60 +/-0.02	6.80	ECL-0032-0045-C	E-Clips - Basic - Carbon Steel D1500-0032, MD6799MQB032	
4.78 (0.188") +1.26/-0.00	3.18 +0.051/-0.000	0.31	9.53	ECL-0032-0048C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-Z125	

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

Long Delivery or Large Minimum Quantities
Not in current production

E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
4.78 (0.188")	3.18 +0.051/-0.000	0.38 +/-0.051	9.53	ECB-0032-0048-C	E-Clips - Bowed Carbon Spring Steel: N1501-X018, Rotorclip BE, MIL 16634	
4.78 (0.188")	3.18 +1.26/-0.00	0.51 +0.051/-0.000	9.53	ECL-0032-0048E-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-X125	
4.78 (0.188")	3.18 +1.52/-0.00	0.64 +0.051/-0.000	9.53	ECL-0032-0048A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X018, A 9Q29-X18	
4.78 (0.188")	3.20 +1.91/-0.00	0.61 +0.076/-0.000	8.89	ECL-0032-0048-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S126	
4.78 (0.188")	3.73 +0.051/-0.000	0.38 +/-0.051	8.51	ECB-0037-0048-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0018KSF, S73KW2-131-18	
4.78 (0.188")	3.73 +0.051/-0.000	0.38 +/-0.051	8.51	ECB-0037-0048-C	E-Clips - Bowed Carbon Spring Steel: N1501-0018, Rotorclip BE, MIL 16634	
4.78 (0.188")	3.73 +1.52/-0.00	0.51 +0.051/-0.000	8.51	ECL-0037-0048C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A147	
4.78 (0.188")	3.73 +1.52/-0.00	0.64 +0.051/-0.000	8.51	ECL-0037-0048A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0018, A 9Q29-18	
4.78 (0.188")	3.73 +1.52/-0.00	0.64 +0.051/-0.000	8.51	ECL-0037-0048A-CZ	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0018AZD	
4.78 (0.188")	3.73 +1.52/-0.00	0.64 +0.051/-0.000	8.51	ECL-0037-0048A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0018KSF, S73LW2-ER133-18	
4.78 (0.188")	3.73 +1.52/-0.00	0.64 +0.051/-0.000	9.53	ECL-0037-0048B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0018, MIL-3215	
4.78 (0.188")	3.73 +1.52/-0.00	0.81 +0.051/-0.000	8.51	ECL-0037-0048D-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-B147	
4.78 (0.188")	3.76 +1.52/-0.00	0.89 +/-0.152	10.16	ECL-0038-0048-S15-KR	E-Clips - Klipping Stainless Steel PH15-7 Mo: PO-018-SS, Waldes 5304-T5304	
4.78 (0.188")	3.76 +1.52/-0.00	0.89 +/-0.127	10.16	ECL-0038-0048-C-KR	E-Clips - Klipping Carbon Steel: PO-018, Waldes 5304-T5304	
5.00 (0.197")	4.00 +2.00/-0.00	0.70 +0.00/-0.075	8.80	ECL-0040-0050-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0040, MD6799MQB040	
5.00 (0.197")	4.00 +2.00/-0.00	0.70 +0.00/-0.075	8.80	ECL-0040-0050-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0040KSF, Ellison 6799, Seeger RA	
5.00 (0.197")	4.00 +2.00/-0.00	0.70 +0.00/-0.075	8.85	ECL-0040-0050-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: D1500-0040AZG, Ellison 6799, Seeger RA	
5.56 (0.219")	4.45 +1.02/-0.00	0.31 +0.051/-0.000	12.70	ECL-0044-0056-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-C175	
5.56 (0.219")	4.60 +1.02/-0.00	0.64 +0.051/-0.000	10.92	ECL-0046-0056-C	E-Clips - Basic - Carbon Steel A1500-C181	
5.56 (0.219")	4.76 +2.54/-0.00	0.51 +0.051/-0.000	17.48	ECL-0048-0056-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-U187	
5.56 (0.219")	4.76 +0.076/-0.000	0.31 +0.076/-0.000	11.10	ECB-0048-0056-C	E-Clips - Bowed Carbon Spring Steel: N1501-X021	
5.56 (0.219")	4.76 +2.54/-0.00	0.64 +0.051/-0.000	11.10	ECL-0048-0056A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X021, A 9Q29-X21	
5.56 (0.219")	4.76 +2.54/-0.00	0.64 +/-0.051	11.10	ECL-0048-0056A-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: N1500-X021, MIL-3215, A 9Q29-X21	
5.56 (0.219")	4.76 +2.54/-0.00	0.64 +0.051/-0.000	11.10	ECL-0048-0056A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo	
5.56 (0.219")	4.76 +2.54/-0.00	0.76 +0.051/-0.000	11.10	ECL-0048-0056C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A188	
6.00 (0.236")	5.00 +2.00/-0.00	0.70 +0.00/-0.075	10.75	ECL-0050-0060-CZ	E-Clips - Basic - Carbon Steel Zinc Plated SAE1065-1090: D1500-0050AZG, Ellison 6799, Seeger RA	
6.00 (0.236")	5.00 +2.00/-0.00	0.70 +0.00/-0.075	10.75	ECL-0050-0060-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0050, MD6799MQB050	
6.00 (0.236")	5.00 +2.00/-0.00	0.70 +0.00/-0.075	10.75	ECL-0050-0060-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0050KSF, Ellison 6799, Seeger RA	
6.35 (0.250")	5.33 +2.54/-0.00	0.64 +/-0.051	13.11	ECL-0053-0064-B	E-Clips - Basic - Beryllium Copper SAE1065-1090: N1540-0025, MIL-3215	
6.35 (0.250")	5.33 +2.54/-0.00	0.64 +/-0.051	13.11	ECL-0053-0064B-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1540-0025ZD, MIL-3215	
6.35 (0.250")	5.33 +2.54/-0.00	0.64 +/-0.051	13.11	ECL-0053-0064B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0025, MIL-3215	

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E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
6.35 (0.250")	5.33	0.64	13.11	ECL-0053-0064B-S15	E-Clips - Basic - Stainless Steel	
+2.54/-0.00	+/-0.051	+/-0.052			Stainless Steel PH15-7 Mo: N1540-0025KSF, MIL-3215	
6.35 (0.250")	5.33	0.64	13.39	ECL-0053-0064A-CZ	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Zinc Plated Clear, SAE1065-1090: N1500-0025AZD	
6.35 (0.250")	5.33	0.64	13.39	ECL-0053-0064A-CZY	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Zinc Plated Yellow, SAE1065-1090: N1500-0025AZD	
6.35 (0.250")	5.33	0.64	13.39	ECL-0053-0064A-C	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			SAE1065-1090: N1500-0025	
6.35 (0.250")	5.33	0.64	13.39	ECL-0053-0064A-S15	E-Clips - Basic - Stainless Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Stainless Steel PH15-7 Mo: N1500-0025KSF, S73LW2-ER133-25	
6.35 (0.250")	5.33	0.64	13.39	ECB-0053-0064-S15	E-Clips - Bowed	
	+0.076/-0.000	+/-0.051			PH 15-7 Mo Stainless Steel: N1501-0025KSF, S73KW2-131-25	
6.35 (0.250")	5.33	0.64	13.39	ECB-0053-0064-C	E-Clips - Bowed	
	+0.076/-0.000	+/-0.051			Carbon Spring Steel: N1501-0025, Rotorclip BE, MIL 16634	
6.35 (0.250")	5.33	0.89	12.24	ECL-0053-0064-S15-KR	E-Clips - Klipping	
+2.54/-0.00	+/-0.152	+/-0.052			Stainless Steel PH15-7 Mo: PO-025-SS, Waldes 5304-T5304	
6.35 (0.250")	5.33	0.89	12.24	ECL-0053-0064-C-KR	E-Clips - Klipping	
+2.54/-0.00	+/-0.152	+/-0.052			Carbon Steel: PO-025, Waldes 5304-T5304	
7.00 (0.276")	6.00	0.70	11.75	ECL-0060-0070-C	E-Clips - Basic - Carbon Steel	
+2.00/-0.00	+0.00/-0.075	+/-0.02			SAE1065-1090: D1500-0060, Ellison 6799, Seeger RA	
7.00 (0.276")	6.00	0.70	11.75	ECL-0060-0070-S15	E-Clips - Basic - Stainless Steel	
+2.00/-0.00	+0.00/-0.075	+/-0.02			Stainless Steel PH15-7 Mo: D1500-0060KSF, Ellison 6799, Seeger RA	
7.94 (0.313")	6.33	0.38	15.88	ECL-0063-0079-C	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.051/-0.000	+/-0.038			A1500-C249	
7.94 (0.313")	6.35	0.64	12.70	ECL-0064-0079A-C	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			SAE1065-1090: N1500-X031, A 9Q29-X31	
7.94 (0.313")	6.35	0.64	12.70	ECL-0064-0079A-S15	E-Clips - Basic - Stainless Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Stainless Steel PH15-7 Mo: N1500-X031KSF, S73LW2-ER133-31	
7.94 (0.313")	6.35	0.89	12.70	ECB-0064-0079-S15	E-Clips - Bowed	
	+0.076/-0.000	+/-0.051			PH 15-7 Mo Stainless Steel: N1501-X031KSF, S73KW2-131-31	
7.94 (0.313")	6.35	0.89	12.70	ECB-0064-0079-C	E-Clips - Bowed	
	+0.076/-0.000	+/-0.051			Carbon Spring Steel: N1501-X031, Rotorclip BE, MIL 16634	
7.94 (0.313")	6.35	0.89	14.94	** ECL-0064-0079C-C	E-Clips - Basic - Carbon Steel	
+2.54/-0.00					SAE1065-1090: N1540-0031	
7.94 (0.313")	6.91	1.07	14.94	ECL-0069-0079-C-KR	E-Clips - Klipping	
+2.54/-0.00	+/-0.152	+/-0.052			Carbon Steel: PO-031, Waldes 5304-T5304	
7.94 (0.313")	6.91	1.07	14.94	ECL-0069-0079-S15-KR	E-Clips - Klipping	
+2.54/-0.00	+/-0.152	+/-0.052			Stainless Steel PH15-7 Mo: PO-031-SS, Waldes 5304-T5304	
8.00 (0.315")	7.00	0.90	13.80	ECL-0070-0080-C	E-Clips - Basic - Carbon Steel	
+3.00/-0.00	+0.00/-0.09	+/-0.02			SAE1065-1090: D1500-0070, Ellison 6799, Seeger RA	
8.00 (0.315")	7.00	0.90	13.80	ECL-0070-0080-CZ	E-Clips - Basic - Carbon Steel	
+3.00/-0.00	+0.00/-0.09	+/-0.02			Zinc Plated Carbon Steel	
8.00 (0.315")	7.00	0.90	13.80	ECL-0070-0080-S15	E-Clips - Basic - Stainless Steel	
+3.00/-0.00	+0.00/-0.09	+/-0.02			Stainless Steel PH15-7 Mo: D1500-0070KSF, Ellison 6799, Seeger RA	
8.71 (0.343")	7.14	0.51	19.81	ECL-0071-0087-C	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.038			Phosphate and oil finish: A1500-U281	
9.00 (0.354")	8.00	1.00	15.60	ECL-0080-0090-C	E-Clips - Basic - Carbon Steel	
+3.00/-0.00	+0.00/-0.09	+/-0.03			SAE1065-1090: D1500-0080, MD6799MQB080	
9.00 (0.354")	8.00	1.00	15.60	ECL-0080-0090-S15	E-Clips - Basic - Stainless Steel	
+3.00/-0.00	+0.00/-0.09	+/-0.03			Stainless Steel PH15-7 Mo: D1500-0080KSF, Ellison 6799, Seeger RA	
9.00 (0.354")	8.00	1.00	15.75	ECL-0080-0090-CZ	E-Clips - Basic - Carbon Steel	
+3.00/-0.00	+0.00/-0.09	+/-0.03			Zinc Plated: D1500-0080AZG, Ellison 6799, Seeger RA	
9.53 (0.375")	7.70	0.89	16.76	ECL-0077-0095-C	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			SAE1065-1090: N1500-0037, A 9Q29-37	
9.53 (0.375")	7.70	0.89	16.76	ECL-0077-0095-CZ	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Zinc Plated Clear, SAE1065-1090: N1500-0037AZD	
9.53 (0.375")	7.70	0.89	16.76	ECL-0077-0095-CZY	E-Clips - Basic - Carbon Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Zinc Plated Yellow, SAE1065-1090: N1500-0037AZD	
9.53 (0.375")	7.70	0.89	16.76	ECL-0077-0095-S15	E-Clips - Basic - Stainless Steel	
+2.54/-0.00	+0.076/-0.000	+/-0.050			Stainless Steel PH15-7 Mo: N1500-0037KSF, S73LW2-ER133-37	
9.53 (0.375")	7.70	0.89	16.76	ECB-0077-0095-S15	E-Clips - Bowed	
	+0.076/-0.000	+/-0.051			PH 15-7 Mo Stainless Steel: N1501-0037KSF, S73KW2-131-37	

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E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
9.53 (0.375")	7.70 +0.076/-0.000	0.89 +/-0.051	16.76	ECB-0077-0095-C	E-Clips - Bowed Carbon Spring Steel: N1501-0037, Rotorclip BE, MIL 16634	
9.53 (0.375")	8.41 +2.54/-0.00	1.07 +/-0.052	17.27	ECL-0084-0095-C-KR	E-Clips - Klipring Carbon Steel: PO-037, Waldes 5304-T5304	
9.53 (0.375")	8.41 +2.54/-0.00	1.07 +/-0.052	17.27	ECL-0084-0095-CZ-KR	E-Clips - Klipring Zinc Plated Carbon Steel: PO-037-ZD, Waldes 5304-T5304	
10.00 (0.394")	9.00 +4.00/-0.00	1.10 +/-0.03	18.20	ECL-0090-0100-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0090, MD6799MQB090	
10.00 (0.394")	9.00 +4.00/-0.00	1.10 +/-0.03	18.20	ECL-0090-0100-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0090KSF, Ellison 6799, Seeger RA	
11.00 (0.433")	10.00 +4.00/-0.00	1.20 +/-0.03	19.65	ECL-0100-0110-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0100, MD6799MQB100	
11.00 (0.433")	10.00 +4.00/-0.00	1.20 +/-0.03	19.65	ECL-0100-0110-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0100KSF, Ellison 6799, Seeger RA	
11.11 (0.437")	8.74 +2.54/-0.00	0.89 +/-0.050	17.45	ECL-0087-0111A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1501-0043, A 9Q29-43	
11.11 (0.437")	8.74 +2.54/-0.00	0.89 +/-0.050	17.45	ECL-0087-0111A-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1501-0043AZD	
11.11 (0.437")	8.74 +2.54/-0.00	0.89 +/-0.050	17.45	ECL-0087-0111A-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1501-0043KSF, S73LW2-ER133-43	
11.11 (0.437")	8.74 +0.076/-0.000	0.89 +/-0.051	17.45	ECB-0087-0111-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0043KSF, S73KW2-131-43	
11.11 (0.437")	8.74 +2.54/-0.00	0.89 +/-0.050	18.95	ECL-0087-0111B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0043	
11.11 (0.437")	9.65 +2.54/-0.00	0.89 +/-0.050	15.24	ECL-0097-0111-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1501-X043, A 9Q29-X43	
11.11 (0.437")	9.91 +2.54/-0.00	1.27 +/-0.052	19.10	ECL-0099-0111-CZ-KR	E-Clips - Klipring Zinc Plated Carbon Steel: PO-043-ZD, Waldes 5304-T5304	
11.11 (0.437")	9.91 +2.54/-0.00	1.27 +/-0.052	19.10	ECL-0099-0111-C-KR	E-Clips - Klipring Carbon Steel: PO-043, Waldes 5304-T5304	
11.91 (0.469")	9.88 +1.91/-0.00	0.71 +/-0.051	17.45	ECL-0099-0119-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S389	
12.70 (0.500")	10.06 +3.05/-0.00	1.07 +/-0.050	20.32	ECL-0101-0127-C	E-Clips - Basic - Carbon Steel N1500-0050, A 9Q29-50	
12.70 (0.500")	10.06 +3.05/-0.00	1.07 +/-0.050	20.32	ECL-0101-0127-CZ	E-Clips - Basic - Carbon Steel Zinc Plated Clear, SAE1065-1090: N1500-0050AZD	
12.70 (0.500")	10.06 +3.05/-0.00	1.07 +/-0.050	20.32	ECL-0101-0127-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0050AZD	
12.70 (0.500")	10.06 +3.05/-0.00	1.07 +/-0.050	20.32	ECL-0101-0127-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0050KSF, S73LW2-ER133-50	
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.051	20.32	ECB-0101-0127-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0050KSF, S73KW2-131-50	
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.051	20.32	ECB-0101-0127-C	E-Clips - Bowed Carbon Spring Steel: N1501-0050, Rotorclip BE, MIL 16634	
12.70 (0.500")	11.18 +3.05/-0.00	1.27 +/-0.052	20.98	ECL-0112-0127-C-KR	E-Clips - Klipring Carbon Steel: PO-050, Waldes 5304-T5304	
12.70 (0.500")	11.18 +3.05/-0.00	1.27 +/-0.052	20.98	ECL-0112-0127-S15-KR	E-Clips - Klipring Stainless Steel PH15-7 Mo: PO-050-SS, Waldes 5304-T5304	
12.70 (0.500")	11.18 +3.05/-0.00	1.27 +/-0.052	20.98	ECL-0112-0127-CZ-KR	E-Clips - Klipring Zinc Plated Carbon Steel: PO-050-ZD, Waldes 5304-T5304	
13.00 (0.512")	12.00 +5.00/-0.00	1.30 +/-0.03	22.65	ECL-0120-0130-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0120, MD6799MQB120	
13.00 (0.512")	12.00 +5.00/-0.00	1.30 +/-0.03	22.65	ECL-0120-0130-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: D1500-0120KSF, Ellison 6799, Seeger RA	
15.88 (0.625")	12.32 +3.05/-0.00	1.07 +/-0.050	23.88	ECL-0123-0159-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0062AZD	
15.88 (0.625")	12.32 +3.05/-0.00	1.07 +/-0.050	23.88	ECL-0123-0159-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0062	
15.88 (0.625")	12.32 +3.05/-0.00	1.07 +/-0.050	23.88	ECL-0123-0159-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0062KSF, S73LW2-ER133-62	
15.88 (0.625")	12.32 +0.102/-0.000	1.27 +/-0.051	23.88	ECB-0123-0159-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0062KSF, S73KW2-131-62	

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
Long Delivery or Large Minimum Quantities
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

E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
15.88 (0.625")	12.32 +0.102/-0.000	1.27 +/-0.051	23.88	ECB-0123-0159-C	E-Clips - Bowed Carbon Spring Steel: N1501-0062, Rotorclip BE, MIL 16634	
15.88 (0.625")	13.49 +3.05/-0.00	1.27 +/-0.052	24.54	ECL-0135-0159-S15-KR	E-Clips - Klipping Stainless Steel PH15-7 Mo: PO-062-SS, Waldes 5304-T5304	
15.88 (0.625")	13.49 +3.05/-0.00	1.27 +/-0.052	24.54	ECL-0135-0159-C-KR	E-Clips - Klipping Carbon Steel: PO-062, Waldes 5304-T5304	
16.00 (0.630")	15.00 +6.00/-0.00	1.50 +/-0.03	28.60	ECL-0150-0160-CZ	E-Clips - Basic - Carbon Steel Zinc Plated, SAE1065-1090: D1500-0150AZG, Ellison 6799, Seeger RA	
16.00 (0.630")	15.00 +6.00/-0.00	1.50 +/-0.03	28.60	ECL-0150-0160-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0150, Ellison 6799, Seeger RA	
18.90 (0.744")	15.88 +0.076/-0.000	1.27 +/-0.051	25.40	ECB-0159-0189-C	E-Clips - Bowed Carbon Spring Steel: N1501-X074, Rotorclip BE, MIL 16634	
19.05 (0.750")	14.73 +3.05/-0.00	1.27 +/-0.050	28.45	ECL-0147-0191-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0075	
19.05 (0.750")	14.73 +3.05/-0.00	1.27 +/-0.050	28.45	ECL-0147-0191-CZ	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0075	
19.05 (0.750")	14.73 +3.05/-0.00	1.27 +/-0.050	28.45	ECL-0147-0191-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0075KSF, S73LW2-ER133-75	
19.05 (0.750")	14.73 +0.102/-0.000	1.27 +/-0.051	28.58	ECB-0147-0191-C	E-Clips - Bowed Carbon Spring Steel: N1501-0075, Rotorclip BE, MIL 16634	
19.05 (0.750")	14.73 +0.102/-0.000	1.27 +/-0.051	28.58	ECB-0147-0191-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0075KSF, S73KW2-131-75	
19.05 (0.750")	15.88 +3.05/-0.00	1.27 +/-0.050	25.40	ECL-0159-0191-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X074	
19.05 (0.750")	15.88 +0.076/-0.000	1.27 +/-0.051	25.40	ECB-0159-0191-C	E-Clips - Bowed Carbon Spring Steel: N1501-0075, Rotorclip BE, MIL 16634	
19.05 (0.750")	15.88 +0.076/-0.000	1.27 +/-0.051	25.40	ECB-0159-0191-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0075KSF, S73KW2-131-75	
19.05 (0.750")	16.05 +3.05/-0.00	1.58 +/-0.076	15.09	ECL-0161-0191-CZ-KR	E-Clips - Klipping Zinc Plated Carbon Steel: PO-075-ZD, Waldes 5304-T5304	
19.05 (0.750")	16.05 +3.05/-0.00	1.58 +/-0.076	15.09	ECL-0161-0191-S15-KR	E-Clips - Klipping Stainless Steel PH15-7 Mo: PO-075-SS, Waldes 5304-T5304	
19.05 (0.750")	16.05 +3.05/-0.00	1.58 +/-0.076	15.09	ECL-0161-0191-C-KR	E-Clips - Klipping Carbon Steel: PO-075, Waldes 5304-T5304	
20.00 (0.787")	19.00 +11.00/-0.00	1.75 +/-0.03	36.70	ECL-0190-0200-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0190, Ellison 6799, Seeger RA	
22.23 (0.875")	17.15 +3.05/-0.00	1.27 +/-0.050	33.02	ECL-0171-0222-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0087	
22.23 (0.875")	17.15 +3.05/-0.00	1.27 +/-0.050	33.02	ECL-0171-0222-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0087AZD	
22.23 (0.875")	17.15 +3.05/-0.00	1.27 +/-0.050	33.02	ECL-0171-0222-S15	E-Clips - Basic - Stainless Steel Stainless Steel PH15-7 Mo: N1500-0087KSF, S73LW2-ER133-87	
22.23 (0.875")	17.15 +0.102/-0.000	1.27 +/-0.051	33.02	ECB-0171-0222-S15	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0087KSF, S73KW2-131-87	
22.23 (0.875")	17.15 +0.102/-0.000	1.27 +/-0.051	33.02	ECB-0171-0222-C	E-Clips - Bowed Carbon Spring Steel: N1501-0087, Rotorclip BE, MIL 16634	
24.99 (0.984")	21.21 +0.076/-0.000	1.27 +/-0.051	38.10	ECB-0212-0250-C	E-Clips - Bowed Carbon Spring Steel: N1501-X098, Rotorclip BE, MIL 16634	
24.99 (0.984")	21.21 +3.05/-0.00	1.27 +/-0.050	38.10	ECL-0212-0250-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X098, S73LW2-ER133-98C	
25.00 (0.984")	24.00 +13.00/-0.00	2.00 +/-0.03	43.65	ECL-0240-0250-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0240, Ellison 6799, Seeger RA	
25.40 (1.000")	21.84 +3.05/-0.00	1.98 +/-0.076	35.94	ECL-0218-0254-C-KR	E-Clips - Klipping Carbon Steel: PO-100, Waldes 5304-T5304	
30.16 (1.187")	27.41 +5.08/-0.00	1.58 +/-0.075	41.30	ECL-0274-0302-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X118	
30.16 (1.187")	27.41 +0.102/-0.000	1.58 +/-0.076	41.30	ECB-0274-0302-C	E-Clips - Bowed Carbon Spring Steel: N1501-X118, Rotorclip BE, MIL 16634	
31.75 (1.250")	27.69 +5.08/-0.00	2.36 +/-0.076	45.72	ECL-0277-0318-C-KR	E-Clips - Klipping Carbon Steel: PO-125, Waldes 5304-T5304	
34.93 (1.375")	31.24 +5.08/-0.00	1.58 +/-0.075	47.63	ECL-0312-0349-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X137	

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

Long Delivery or Large Minimum Quantities
 Not in current production

E-Clips						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
34.93 (1.375")	31.24 +0.102/-0.000	1.58 +/-0.076	47.63	ECB-0312-0349-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-X137, Rotorclip BE, MIL 16634</i>	
38.10 (1.500")	33.45 +/-0.252	2.77 +/-0.076	52.07	ECL-0335-0381-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-150, Waldes 5304-T5304</i>	
38.10 (1.500")	33.45 +/-0.252	3.18 +/-0.076	58.42	ECL-0335-0381-CZ-KR	E-Clips - Klipring <i>Zinc Plated Carbon Steel: PO-150-ZD, Waldes 5304-T5304</i>	
44.45 (1.750")	37.59 +/-0.381	3.18 +/-0.102	67.31	ECL-0376-0445-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-175, Waldes 5304-T5304</i>	

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

 Long Delivery or Large Minimum Quantities
 Not in current production

TIPS

- The MBA circlip and e-clip range is sourced mostly from the USA. Some sizes are sourced from Europe.

- The range includes clips from major brands including Seeger, Anderton, Rotor Clip and more.

- Terminology clarification:

Australia/UK: External Circlip = USA: Snap Ring

Australia/UK: Internal Circlip = USA: Housing Ring

Australia/UK: Snap Ring = USA: Wire Ring

- This catalogue groups many similar types of clip together in ascending size order so that you don't need to look through multiple listings to find alternatives.

- Other types not listed in this catalogue include Snap Rings (External Wire Rings), Internal Wire Rings, No-Groove Circlips, Tabbed Circlips, C-Clips, Spiral Rings, Push-On and Push-In Rings.

The general corrosion resistance of type PH15-7 Mo stainless steel in most reagents is superior to 420 stainless but not quite as good as 304 or 316 stainless.

PH15-7 Mo is a hardened stainless steel, whereas 304 and 316 grade stainless is unhardenable, making 304 and 316 less suitable for use as circlips in many applications due to strength considerations.



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Circlip and E-Clip Range