

MBA

2020

Circlip and E-Clip Range

Carbon Steel - Stainless Steel - Zinc Plated

(More information available online by typing part numbers into web search)

Circlips

- External Pages 3 to 32
- Internal Pages 32 to 56

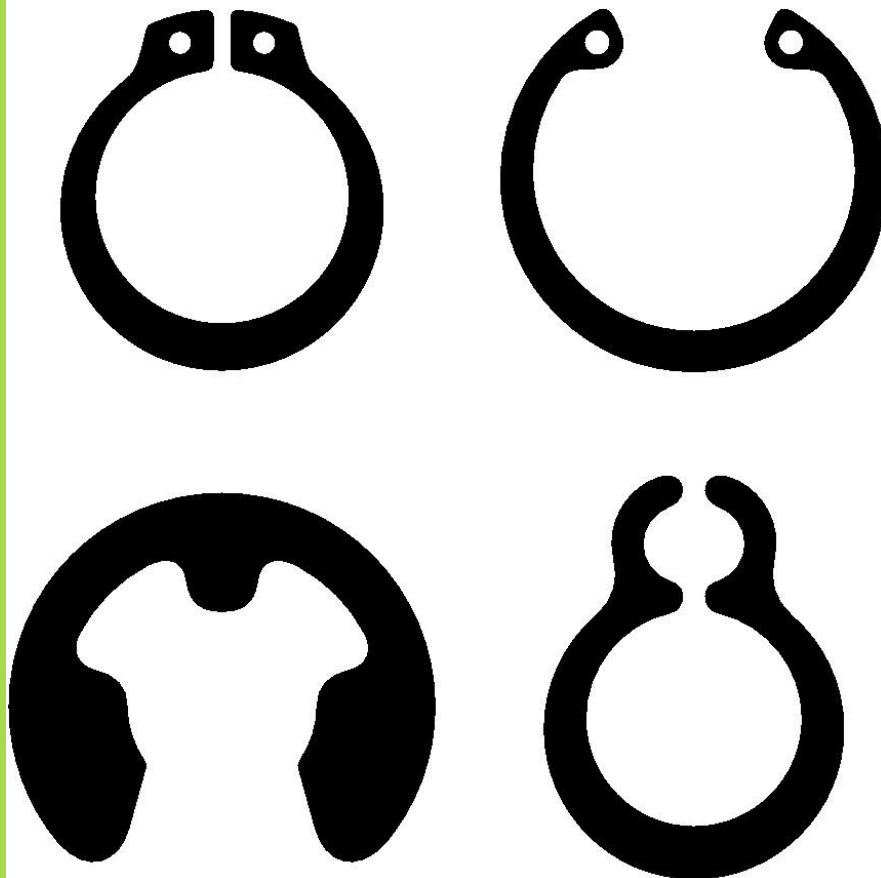
E-Clips Pages 56 to 62

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
- Round Section
- Snap Rings
- Tabbed
- Wire 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
S42: Stainless Steel 420

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 very 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)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description
3.00 (0.118")	2.80 +0.00/-0.04	0.40 +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")	2.97 +/-0.038	0.25 +/-0.025	2.80	CCE-00318-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0012</i>
3.18 (0.125")	2.97 +/-0.038	0.25 +/-0.025	2.84	CCE-00318-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0012BC, A1/8X.0111N</i>
3.18 (0.125")	2.97 +/-0.038	0.25 +/-0.025	2.80	CCE-00318-BZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Beryllium Copper: N1400-0012BCZ</i>
3.97 (0.156")	3.71 +/-0.038	0.30 +/-0.025	3.60	CCE-00397-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0015BC</i>
3.97 (0.156")	3.71 +/-0.038	0.30 +/-0.025	3.60	** CCE-00397-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0015AZD</i>
3.97 (0.156")	3.71 +/-0.038	0.30 +/-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")	3.71 +/-0.038	0.30 +/-0.025	3.60	CCE-00397-BZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Beryllium Copper: N1400-0015BCZ</i>
4.00 (0.157")	3.80 +0.00/-0.04	0.40 +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")	3.80 +0.00/-0.04	0.40 +0.00/-0.05	3.70	CCE-00400-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A4X0.4-411, D1400-0040KSF, CX-4S</i>
4.78 (0.188")	4.45 +/-0.038	0.38 +/-0.051	4.27	CCE-00478-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0018BC</i>
4.78 (0.188")	4.45 +/-0.038	0.38 +/-0.051	4.27	** CCE-00478-C	Circlips - External - Standard - Carbon Steel <i>Carbon Steel: N1400-0018, A 9Q27-018, A3/16X.0151N</i>
4.78 (0.188")	4.45 +/-0.038	0.38 +/-0.051	4.30	CCE-00478-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0018AZD</i>
5.00 (0.197")	4.78 +0.00/-0.04	0.60 +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")	4.78 +0.00/-0.04	0.60 +0.00/-0.05	4.70	CCE-00500-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A5X0.6-411, D1400-0050KSF</i>
5.01 (0.197")	4.78 +/-0.038	0.38 +/-0.051	4.60	CCE-00501-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0019BC</i>
5.01 (0.197")	4.78 +/-0.038	0.40 +/-0.051	4.60	CCE-00501-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0019</i>
5.56 (0.219")	5.21 +/-0.038	0.40 +/-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")	5.21 +/-0.038	0.40 +/-0.051	5.00	CCE-00556-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0022</i>
5.95 (0.234")	5.60 +/-0.038	0.40 +/-0.051	5.50	CCE-00595-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0023BC</i>
5.95 (0.234")	5.60 +/-0.038	0.40 +/-0.051	5.50	CCE-00595-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0023</i>
6.00 (0.236")	5.70 +0.00/-0.04	0.70 +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")	5.70 +0.00/-0.04	0.70 +0.00/-0.05	5.60	CCE-00600-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A6X0.7-411, D1400-0060KSF, CX-6S</i>
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0025</i>
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0025KSF, S73HW2-100-025</i>
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0025AZD</i>
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0025BC</i>
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0025AZD</i>
7.00 (0.276")	6.70 +0.00/-0.06	0.80 +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")	6.70 +0.00/-0.06	0.80 +0.00/-0.05	6.50	CCE-00700-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A7X0.8-411, D1400-0070KSF, CX-7S</i>
7.01 (0.276")	6.48 +/-0.051	0.64 +/-0.051	6.35	CCE-00701-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0027KSF, S73HW2-100-027</i>

Stocked or Short Delivery

Usually Available Short Delivery

Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External

Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description
7.01 (0.276")	6.48 +/-0.051	0.64 +/-0.051	6.35	CCE-00701-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0027AZD</i>
7.01 (0.276")	6.48 +/-0.051	0.64 +/-0.051	6.35	CCE-00701-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0027BC</i>
7.01 (0.276")	6.48 +/-0.051	0.64 +/-0.051	6.35	CCE-00701-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0027</i>
7.14 (0.281")	6.63 +/-0.051	0.64 +/-0.051	6.50	CCE-00714-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0028AZD</i>
7.14 (0.281")	6.63 +/-0.051	0.64 +/-0.051	6.50	CCE-00714-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0028</i>
7.14 (0.281")	6.63 +/-0.051	0.64 +/-0.051	6.50	CCE-00714-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0028KSF, S73HW2-100-028</i>
7.94 (0.313")	7.37 +/-0.051	0.64 +/-0.051	7.14	CCE-00794-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0031</i>
7.94 (0.313")	7.37 +/-0.051	0.64 +/-0.051	7.14	CCE-00794-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0031KSF</i>
7.94 (0.313")	7.37 +/-0.051	0.64 +/-0.051	7.14	CCE-00794-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0031BC</i>
7.94 (0.313")	7.37 +/-0.051	0.64 +/-0.051	7.14	CCE-00794-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0031AZD</i>
7.94 (0.313")	7.37 +/-0.051	0.64 +/-0.051	7.14	CCE-00794-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0031AZD</i>
8.00 (0.315")	7.60 +0.00/-0.06	0.80 +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")	7.60 +0.00/-0.06	0.80 +0.00/-0.05	7.40	CCE-00800-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A8X0.8-411, D1400-0080KSF, CX-8S</i>
8.74 (0.344")	8.15 +/-0.051	0.64 +/-0.051	7.85	CCE-00874-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0034</i>
8.74 (0.344")	8.15 +/-0.051	0.64 +/-0.051	7.85	CCE-00874-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0034KSF, S73HW2-100-034</i>
8.74 (0.344")	8.20 +/-0.051	0.64 +/-0.051	7.85	CCE-00874-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0034BC</i>
8.74 (0.344")	8.20 +/-0.051	0.64 +/-0.051	7.85	CCE-00874-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0034AZD</i>
8.99 (0.354")	8.38 +/-0.051	0.64 +/-0.051	8.13	CCE-00899-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0035</i>
8.99 (0.354")	8.38 +/-0.051	0.64 +/-0.051	8.13	CCE-00899-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0035KSF, S73HW2-100-035</i>
8.99 (0.354")	8.40 +/-0.051	0.64 +/-0.051	8.13	CCE-00899-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0035BC</i>
8.99 (0.354")	8.40 +/-0.051	0.64 +/-0.051	8.13	CCE-00899-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0035AZD</i>
9.00 (0.354")	8.60 +0.00/-0.06	1.00 +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")	8.60 +0.00/-0.06	1.00 +0.00/-0.06	8.40	CCE-00900-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A9X1-411, D1400-0090KSF, CX-9S</i>
9.53 (0.375")	8.90 +/-0.051	0.64 +/-0.051	8.59	CCE-00953-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0037BC</i>
9.53 (0.375")	8.90 +/-0.051	0.64 +/-0.051	8.59	CCE-00953-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0037AZD</i>
9.53 (0.375")	8.94 +/-0.051	0.64 +/-0.051	8.59	CCE-00953-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0037</i>
9.53 (0.375")	8.94 +/-0.051	0.64 +/-0.051	8.59	CCE-00953-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0037KSF, S73HW2-100-037</i>
10.00 (0.394")	9.50 +0.00/-0.11	0.60 +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")	9.60 +0.00/-0.11	1.00 +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")	9.60 +0.00/-0.11	1.00 +0.00/-0.06	9.30	CCE-01000-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A10X1-411, D1400-0100KSF</i>
10.00 (0.394")	9.60 +0.00/-0.11	1.00 +0.00/-0.06	9.30	CCE-01000-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: A10X1Z, D1400-0100AZD</i>



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External

Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description
10.01 (0.394")	9.35 +0.025/-0.052	0.89 +/-0.051	9.20	CCE-01001H-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1460-0039KSR, MIL-3217, Waldes 5160
10.01 (0.394")	9.35 +0.025/-0.052	0.89 +/-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")	9.37 +/-0.051	0.64 +/-0.051	8.99	CCE-01001-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0039
10.01 (0.394")	9.37 +/-0.051	0.64 +/-0.051	8.99	CCE-01001-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0039KSF, S73HW2-100-039
10.01 (0.394")	9.40 +/-0.051	0.64 +/-0.051	8.99	CCE-01001-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0039AZD
10.32 (0.406")	9.70 +/-0.051	0.64 +/-0.051	9.30	CCE-01032-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0040
10.32 (0.406")	9.70 +/-0.051	0.64 +/-0.051	9.30	CCE-01032-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0040KSF
10.32 (0.406")	9.70 +/-0.051	0.64 +/-0.051	9.30	CCE-01032-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0040AZD
10.87 (0.428")	10.21 +0.025/-0.052	0.89 +/-0.051	10.10	CCE-01087H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0042KSR, MIL-3217, Waldes 5160
10.87 (0.428")	10.21 +0.025/-0.052	0.89 +/-0.051	10.10	CCE-01087H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0042, MIL-3217, Waldes 5160
11.00 (0.433")	10.39 +0.00/-0.11	1.00 +0.00/-0.06	10.20	CCE-01100-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A11X1-411, D1400-0110KSF
11.00 (0.433")	10.50 +0.00/-0.11	1.00 +0.00/-0.06	10.20	CCE-01100-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A11X1, D1400-0110
11.11 (0.437")	10.46 +/-0.051	0.64 +/-0.051	10.03	CCE-01111-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0043
11.11 (0.437")	10.46 +/-0.051	0.64 +/-0.051	10.03	CCE-01111-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0043KSF, S73HW2-100-043
11.11 (0.437")	10.46 +/-0.051	0.64 +/-0.051	10.03	CCE-01111-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0043AZD
11.11 (0.437")	10.46 +/-0.051	0.64 +/-0.051	10.03	CCE-01111-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0043AZD
11.91 (0.469")	11.25 +/-0.051	0.64 +/-0.051	10.87	CCE-01191-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0046
11.91 (0.469")	11.25 +/-0.051	0.64 +/-0.051	10.87	CCE-01191-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0046KSF, S73HW2-100-046
11.91 (0.469")	11.30 +/-0.051	0.64 +/-0.051	10.87	CCE-01191-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0046AZD
12.00 (0.472")	11.50 +0.00/-0.11	1.00 +0.00/-0.06	11.00	CCE-01200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A12X1, D1400-0120
12.00 (0.472")	11.50 +0.00/-0.11	1.00 +0.00/-0.06	11.00	CCE-01200-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A12X1-411, D1400-0120KSF, CX-12S
12.00 (0.472")	11.50 +0.00/-0.11	1.00 +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")	11.50 +0.00/-0.11	1.50 +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")	11.28 +0.025/-0.052	1.07 +/-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")	11.89 +/- 0.051	0.89 +/- 0.051	11.71	CCE-01270-C-V	Circlips - External - Inverted Spring Steel: N1408-0050, MIL-16626, Waldes 5108
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0050
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0050KSF, S73HW2-100-050
12.70 (0.500")	11.89 +/- 0.051	0.89 +/- 0.051	11.71	CCE-01270-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0050KSF, MIL-16626, Waldes 5108
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0050BC
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-CZT	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0050AZD
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0050AZD

Stocked or Short Delivery

Usually Available Short Delivery

Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0050AZD</i>	
12.70 (0.500")	11.89 +0.025/-0.052	1.27 +/-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")	11.89 +0.025/-0.052	1.27 +/-0.051	11.68	CCE-01270H-S42	Circlips - External - Standard - Stainless Steel <i>Carbon Spring Steel: N1460-0050KSR, MIL-3217, Waldes 5160</i>	
13.00 (0.512")	12.40 +0.00/-0.11	1.00 +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")	12.40 +0.00/-0.11	1.00 +0.00/-0.06	11.90	CCE-01300-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A13X1-411, D1400-0130KSF</i>	
13.00 (0.512")	12.40 +0.00/-0.11	1.00 +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")	13.18 +/-0.051	0.89 +/-0.051	12.93	CCE-01399-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0055KSF, S73HW2-100-055</i>	
13.99 (0.551")	13.18 +/-0.051	0.89 +/-0.051	12.93	CCE-01399-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0055</i>	
13.99 (0.551")	13.18 +/-0.051	0.89 +/-0.051	12.93	CCE-01399-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0055AZD</i>	
14.00 (0.551")	13.40 +0.00/-0.11	1.00 +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")	13.40 +0.00/-0.11	1.00 +0.00/-0.06	12.90	CCE-01400-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A14X1-411, D1400-0140KSF, CX-14S</i>	
14.00 (0.551")	13.40 +0.00/-0.11	1.00 +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")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0056KSF</i>	
14.29 (0.563")	13.46 +/- 0.051	0.89 +/- 0.051	13.23	CCE-01429-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0056, MIL-16626, Waldes 5108</i>	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0056BC</i>	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0056</i>	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0056AZD</i>	
15.00 (0.591")	14.20 +0.00/-0.11	1.50 +0.00/-0.06	13.80	CCE-01500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0150, AS15X1.5</i>	
15.00 (0.591")	14.20 +0.00/-0.11	1.50 +0.00/-0.06	13.70	CCE-01500HC-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
15.00 (0.591")	14.20 +0.00/-0.11	1.50 +0.00/-0.06	13.80	CCE-01500HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
15.00 (0.591")	14.30 +0.00/-0.11	1.00 +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")	14.30 +0.00/-0.11	1.00 +0.00/-0.06	13.80	CCE-01500-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A15X1-411, D1400-0150KSF, CX-15S</i>	
15.00 (0.591")	14.30 +0.00/-0.11	1.00 +0.00/-0.06	13.80	CCE-01500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0150, Seeger AV, Ellison EXTV</i>	
15.09 (0.594")	14.10 +0.025/-0.076	1.27 +/-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")	14.10 +0.025/-0.076	1.27 +/-0.051	13.97	CCE-01509H-S42	Circlips - External - Standard - Stainless Steel <i>Carbon Spring Steel: N1460-0059KSR, MIL-3217, Waldes 5160</i>	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	13.97	CCE-01509-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0059</i>	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	14.00	CCE-01509-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0059KSF</i>	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	14.00	CCE-01509-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0059AZD</i>	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-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")	14.20 +/- 0.076	0.89 +/- 0.051	13.97	CCE-01509-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0059, MIL-16626, Waldes 5108</i>	
15.88 (0.625")	14.94 +/-0.076	0.89 +/-0.051	14.71	CCE-01588-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0062</i>	

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

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
15.88 (0.625")	14.94 +/-0.076	0.89 +/-0.051	14.71	CCE-01588-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0062KSF, S73HW2-100-062	
15.88 (0.625")	14.94 +/-0.076	0.89 +/-0.051	14.70	CCE-01588-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0062BC	
15.88 (0.625")	14.94 +/-0.076	0.89 +/-0.051	14.70	CCE-01588-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0062AZD	
15.88 (0.625")	14.94 +/- 0.076	1.07 +/- 0.051	14.71	CCE-01588-C-V	Circlips - External - Inverted Spring Steel: N1408-0062, MIL-16626, Waldes 5108	
15.88 (0.625")	14.94 +/- 0.076	1.07 +/- 0.051	14.71	CCE-01588-CZY-V	Circlips - External - Standard - Zinc Plated Zinc Plated, Yellow, Spring Steel: N1408-0062AZD, MIL-16626, Waldes 5108	
15.88 (0.625")	14.94 +0.025/-0.076	1.27 +/-0.051	14.61	CCE-01588H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0062, MIL-3217, Waldes 5160	
15.88 (0.625")	14.94 +0.025/-0.076	1.27 +/-0.051	14.61	CCE-01588H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0062KSR, MIL-3217, Waldes 5160	
15.88 (0.625")	14.94 +0.025/-0.076	1.27 +/-0.051	14.61	CCE-01588H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0062AZD, MIL-3217, Waldes 5160	
16.00 (0.630")	15.10 +0.00/-0.11	1.50 +0.00/-0.06	14.60	CCE-01600HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
16.00 (0.630")	15.20 +0.00/-0.11	1.00 +0.00/-0.06	14.70	CCE-01600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A16X1, D1400-0160	
16.00 (0.630")	15.20 +0.00/-0.11	1.00 +0.00/-0.06	14.70	CCE-01600-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A16X1-411, D1400-0160KSF, CX-16S	
16.00 (0.630")	15.20 +0.00/-0.11	1.00 +0.00/-0.06	14.70	CCE-01600-C-V	Circlips - External - Inverted Spring Steel: M1408-0160, Seeger AV, Ellison EXTV	
16.00 (0.630")	15.20 +0.00/-0.11	1.50 +0.00/-0.06	14.70	CCE-01600H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0160, AS16X1.5	
16.00 (0.630")	15.20 +0.00/-0.11	1.50 +0.00/-0.06	14.70	CCE-01600HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
16.99 (0.669")	15.98 +0.025/-0.076	1.27 +/-0.051	15.65	CCE-01699H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0066, MIL-3217, Waldes 5160	
16.99 (0.669")	15.98 +0.025/-0.076	1.27 +/-0.051	15.65	CCE-01699H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0066KSR, MIL-3217, Waldes 5160	
17.00 (0.669")	16.00 +0.00/-0.11	1.50 +0.00/-0.06	15.60	CCE-01700HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
17.00 (0.669")	16.20 +0.00/-0.11	1.00 +0.00/-0.06	15.70	CCE-01700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A17X1, D1400-0170	
17.00 (0.669")	16.20 +0.00/-0.11	1.00 +0.00/-0.06	15.70	CCE-01700-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A17X1-411, D1400-0170KSF, CX-17S	
17.00 (0.669")	16.20 +0.00/-0.11	1.00 +0.00/-0.06	15.70	CCE-01700-C-V	Circlips - External - Inverted Spring Steel: M1408-0170, Seeger AV, Ellison EXTV	
17.00 (0.669")	16.20 +0.00/-0.11	1.50 +0.00/-0.06	15.70	CCE-01700H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0170, AS17X1.5	
17.07 (0.672")	16.03 +/-0.076	0.89 +/-0.051	15.77	CCE-01707-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0066	
17.07 (0.672")	16.03 +/-0.076	0.89 +/-0.051	15.80	CCE-01707-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0066KSF	
17.07 (0.672")	16.03 +/-0.076	0.89 +/-0.051	15.80	CCE-01707-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0066AZD	
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.13	CCE-01746-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0068KSF, S73HW2-100-068	
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.10	CCE-01746-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0068BC	
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.10	CCE-01746-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0068AZD	
17.46 (0.687")	16.41 +/- 0.076	1.07 +/- 0.051	16.13	CCE-01746-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0068KSF, MIL-16626, Waldes 5108	
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.13	CCE-01746-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0068, A-11/16	
18.00 (0.709")	16.80 +0.00/-0.11	1.50 +0.00/-0.06	16.30	CCE-01800HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
18.00 (0.709")	17.00 +0.00/-0.11	1.20 +0.00/-0.06	16.50	CCE-01800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A18X1.2, D1400-0180	

Stocked or Short Delivery
 Usually Available Short Delivery
 Long delivery or not in current production
* Large Minimum Quantities ** Available only while stock lasts **Page 7 of 63** **EOE**

Circlips - External

Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description
18.00 (0.709")	17.00 +0.00/-0.11	1.20 +0.00/-0.06	16.50	CCE-01800-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A18X1.2-411, D1400-0180KSF, CX-18S
18.00 (0.709")	17.00 +0.00/-0.11	1.20 +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")	17.00 +0.00/-0.11	1.50 +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")	17.80 +0.00/-0.11	1.50 +0.00/-0.06	17.50	CCE-01900H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0190, AS19X1.5
19.00 (0.748")	17.80 +0.00/-0.11	1.50 +0.00/-0.06	17.50	CCE-01900HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel
19.00 (0.748")	17.89 +0.00/-0.11	1.20 +0.00/-0.06	17.50	CCE-01900-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A19X1.2-411, D1400-0190KSF
19.00 (0.748")	18.00 +0.00/-0.11	1.20 +0.00/-0.06	17.50	CCE-01900-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A19X1.2, D1400-0190
19.05 (0.750")	17.88 +/- 0.076	1.07 +/- 0.051	17.60	CCE-01905-C-V	Circlips - External - Inverted Spring Steel: N1408-0075, MIL-16626, Waldes 5108
19.05 (0.750")	17.88 +/-0.076	1.07 +/-0.051	17.60	CCE-01905-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0075
19.05 (0.750")	17.88 +/-0.076	1.07 +/-0.051	17.60	CCE-01905-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0075KSF, S73HW2-100-075
19.05 (0.750")	17.88 +/- 0.076	1.07 +/- 0.051	17.60	CCE-01905-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0075KSF, MIL-16626, Waldes 5108
19.05 (0.750")	17.88 +/-0.076	1.07 +/-0.051	17.60	CCE-01905-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0075BC
19.05 (0.750")	17.88 +/-0.076	1.07 +/-0.051	17.60	CCE-01905-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0075AZD
19.05 (0.750")	17.88 +/-0.076	1.07 +/-0.051	17.60	CCE-01905-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0075AZD
19.05 (0.750")	17.88 +0.025/-0.076	1.98 +/-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")	17.88 +0.025/-0.076	1.98 +/-0.076	17.50	CCE-01905H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0075KSR, MIL-3217, Waldes 5160
19.05 (0.750")	17.88 +0.025/-0.076	1.98 +/-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")	18.62 +/- 0.076	1.07 +/- 0.051	18.34	CCE-01984-C-V	Circlips - External - Inverted Spring Steel: N1408-0078, MIL-16626, Waldes 5108
19.84 (0.781")	18.62 +/-0.076	1.07 +/-0.051	18.30	CCE-01984-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0078KSF
19.84 (0.781")	18.62 +/-0.076	1.07 +/-0.051	18.30	CCE-01984-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0078AZD
19.84 (0.781")	18.62 +/-0.076	1.07 +/-0.051	18.34	CCE-01984-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0078
20.00 (0.787")	18.80 +0.00/-0.15	1.75 +0.00/-0.06	18.30	CCE-02000HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel
20.00 (0.787")	18.90 +0.00/-0.15	1.75 +0.00/-0.06	18.40	CCE-02000HC-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel
20.00 (0.787")	19.00 +0.00/-0.13	1.20 +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")	19.00 +0.00/-0.13	1.20 +0.00/-0.06	18.50	CCE-02000-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A20X1.2-411, D1400-0200KSF, CX-20S
20.00 (0.787")	19.00 +0.00/-0.13	1.20 +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")	19.00 +0.00/-0.15	1.20 +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")	19.00 +0.00/-0.15	1.75 +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")	19.35 +/- 0.076	1.07 +/- 0.051	19.10	CCE-02064-C-V	Circlips - External - Inverted Spring Steel: N1408-0081, MIL-16626, Waldes 5108
20.64 (0.813")	19.36 +/-0.076	1.07 +/-0.051	19.10	CCE-02064-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0081
20.64 (0.813")	19.36 +/-0.076	1.07 +/-0.051	19.10	CCE-02064-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0081KSF



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
20.64 (0.813")	19.36 +/-0.076	1.07 +/-0.051	19.10	CCE-02064-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0081AZD</i>	
21.00 (0.827")	20.00 +0.00/-0.13	1.20 +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")	20.00 +0.00/-0.15	1.20 +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")	20.10 +/-0.076	1.07 +/-0.051	19.80	CCE-02143-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0084</i>	
21.43 (0.844")	20.10 +/-0.076	1.07 +/-0.051	19.80	CCE-02143-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0084KSF</i>	
21.43 (0.844")	20.10 +/-0.076	1.07 +/-0.051	19.80	CCE-02143-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0084AZD</i>	
22.00 (0.866")	20.80 +0.00/-0.15	1.75 +0.00/-0.06	20.30	CCE-02200HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
22.00 (0.866")	21.00 +0.00/-0.13	1.20 +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")	21.00 +0.00/-0.13	1.20 +0.00/-0.06	20.50	CCE-02200-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A22X1.2-411, D1400-0220KSF, CX-22S</i>	
22.00 (0.866")	21.00 +0.00/-0.15	1.20 +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")	21.00 +0.00/-0.15	1.75 +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")	20.85 +/- 0.076	1.07 +/- 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")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0087KSF, S73HW2-100-087</i>	
22.23 (0.875")	20.85 +/- 0.076	1.07 +/- 0.051	20.57	CCE-02223-S42-V	Circlips - External - Inverted <i>416 Stainless Steel: N1408-0087KSF, MIL-16626, Waldes 5108</i>	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0087BC</i>	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0087</i>	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-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")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0087AZD</i>	
22.23 (0.875")	20.85 +0.025/-0.076	1.98 +/-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")	20.85 +0.025/-0.076	1.98 +/-0.076	20.42	CCE-02223H-S42	Circlips - External - Standard - Stainless Steel <i>Carbon Spring Steel: N1460-0087KSR, MIL-3217, Waldes 5160</i>	
22.23 (0.875")	20.85 +0.025/-0.076	1.98 +/-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")	21.80 +0.00/-0.15	1.75 +0.00/-0.06	21.30	* CCE-02300H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0230, AS23X1.8</i>	
23.00 (0.906")	22.00 +0.00/-0.15	1.20 +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")	22.00 +0.00/-0.21	1.20 +0.00/-0.06	21.50	CCE-02300-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A23X1.2-411, D1400-0230KSF</i>	
23.00 (0.906")	22.00 +0.00/-0.21	1.20 +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")	22.00 +0.00/-0.15	1.20 +0.00/-0.06	21.50	CCE-02300-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0230, Seeger AV, Ellison EXTV</i>	
23.81 (0.937")	22.40 +/-0.076	1.07 +/-0.051	22.00	CCE-02381-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0093KSF</i>	
23.81 (0.937")	22.40 +/-0.076	1.07 +/-0.051	22.00	CCE-02381-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0093</i>	
23.81 (0.937")	22.40 +/-0.076	1.07 +/-0.051	22.00	CCE-02381-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0093AZD</i>	
23.81 (0.937")	22.40 +/- 0.076	1.07 +/- 0.051	22.02	* CCE-02381-S42-V	Circlips - External - Inverted <i>416 Stainless Steel: N1408-0093KSF, MIL-16626, Waldes 5108</i>	
24.00 (0.945")	22.70 +0.00/-0.21	1.75 +0.00/-0.06	22.00	CCE-02400HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
24.00 (0.945")	22.90 +0.00/-0.21	1.20 +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")	22.90 +0.00/-0.21	1.20 +0.00/-0.06	22.20	CCE-02400-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A24X1.2, D1400-0240KSF, CX-24S	
24.00 (0.945")	22.90 +0.00/-0.21	1.20 +0.00/-0.06	22.20	CCE-02400-C-V	Circlips - External - Inverted Spring Steel: M1408-0240, Seeger AV, Ellison EXTV	
24.00 (0.945")	22.90 +0.00/-0.21	1.75 +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")	23.50 +0.025/-0.076	2.00 +/-0.076	22.90	CCE-02499H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0098KSR, MIL-3217, Waldes 5160	
24.99 (0.984")	23.50 +0.025/-0.076	2.00 +/-0.076	22.90	CCE-02499H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0098AZD, MIL-3217, Waldes 5160	
24.99 (0.984")	23.52 +/-0.076	1.07 +/-0.051	23.10	CCE-02499-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0098	
24.99 (0.984")	23.52 +/-0.076	1.07 +/-0.051	23.10	CCE-02499-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0098KSF	
24.99 (0.984")	23.52 +/-0.076	1.07 +/-0.051	23.10	CCE-02499-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0098AZD	
24.99 (0.984")	23.52 +0.025/-0.076	1.98 +/-0.076	23.01	CCE-02499H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0098, MIL-3217, Waldes 5160	
25.00 (0.984")	23.70 +0.00/-0.21	1.50 +0.00/-0.07	23.00	CCE-02500HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
25.00 (0.984")	23.90 +0.00/-0.21	1.20 +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")	23.90 +0.00/-0.21	1.20 +0.00/-0.06	23.20	CCE-02500-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A25X1.2-411, D1400-0250KSF, CX-25S	
25.00 (0.984")	23.90 +0.00/-0.21	1.20 +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")	23.90 +0.00/-0.21	1.20 +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")	23.90 +0.00/-0.21	2.00 +0.00/-0.07	23.20	CCE-02500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0250, AS25X2	
25.40 (1.000")	23.52 +/- 0.076	1.07 +/- 0.051	23.50	CCE-02540-C-V	Circlips - External - Inverted Spring Steel: N1408-0100, MIL-16626, Waldes 5108	
25.40 (1.000")	23.52 +/- 0.076	1.07 +/- 0.051	23.50	* CCE-02540-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0100KSF, MIL-16626, Waldes 5108	
25.40 (1.000")	23.62 +0.00/-0.08	1.07 +/-0.05	23.24	CEB-02540-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0100, MIL-16630, Waldes 5102	
25.40 (1.000")	23.88 +/-0.076	1.07 +/-0.051	23.50	CCE-02540-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0100KSF, S73HW2-100-100	
25.40 (1.000")	23.88 +/-0.076	1.07 +/-0.051	23.50	CCE-02540-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0100BC	
25.40 (1.000")	23.88 +/-0.076	1.07 +/-0.051	23.50	CCE-02540-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0100	
25.40 (1.000")	23.88 +/-0.076	1.07 +/-0.051	23.50	CCE-02540-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0100AZD	
25.40 (1.000")	23.88 +/-0.076	1.07 +/-0.051	23.50	CCE-02540-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0100AZD	
25.40 (1.000")	23.88 +0.025/-0.076	1.98 +/-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")	24.16 +0.00/-0.08	1.07 +/-0.05	23.77	* CEB-02598-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0102, MIL-16630, Waldes 5102	
25.98 (1.023")	24.40 +/-0.076	1.07 +/-0.051	24.00	CCE-02598-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0102KSF	
25.98 (1.023")	24.40 +/-0.076	1.07 +/-0.051	24.00	CCE-02598-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0102AZD	
25.98 (1.023")	24.41 +/-0.076	1.07 +/-0.051	24.03	CCE-02598-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0102	
26.00 (1.024")	24.40 +0.21/-0.42	2.00 +0.00/-0.07	23.60	CCE-02600H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0260, Rotorclip BE, MIL 16634	
26.00 (1.024")	24.90 +0.00/-0.21	1.20 +0.00/-0.06	24.20	CCE-02600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A26X1.2, D1400-0260	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
26.00 (1.024")	24.90 +0.00/-0.21	1.20 +0.00/-0.06	24.20	CCE-02600-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A26X1.2-411, D1400-0260KSF, CX-26S	
26.00 (1.024")	24.90 +0.00/-0.21	1.50 +0.00/-0.06	24.20	CCE-02600-C-V	Circlips - External - Inverted Spring Steel: M1408-0260, Seeger AV, Ellison EXTV	
26.99 (1.063")	25.20 +0.00/-0.10	1.27 +/-0.05	24.56	* CEB-02699-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0106, MIL-16630, Waldes 5102	
26.99 (1.063")	25.35 +/- 0.102	1.27 +/- 0.051	24.94	CCE-02697-C-V	Circlips - External - Inverted Spring Steel: N1408-0106, MIL-16626, Waldes 5108	
26.99 (1.063")	25.35 +0.051/-0.102	2.36 +/-0.076	24.84	CCE-02699H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0106, MIL-3217, Waldes 5160	
26.99 (1.063")	25.40 +/-0.102	1.30 +/-0.051	24.90	CCE-02699-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0106	
26.99 (1.063")	25.40 +/-0.102	1.30 +/-0.051	24.90	CCE-02699-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0106KSF	
26.99 (1.063")	25.40 +/-0.102	1.30 +/-0.051	24.90	CCE-02699-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0106AZD	
27.00 (1.063")	25.50 +0.00/-0.21	2.00 +0.00/-0.07	24.70	CCE-02700H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0270, AS27X2	
27.00 (1.063")	25.60 +0.00/-0.21	1.20 +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")	25.60 +0.00/-0.21	1.20 +0.00/-0.06	24.90	CCE-02700-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A27X1.2-411, D1400-0270KSF	
28.00 (1.102")	26.40 +0.00/-0.21	2.00 +0.00/-0.07	25.50	CCE-02800HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
28.00 (1.102")	26.60 +0.00/-0.21	1.50 +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")	26.60 +0.00/-0.21	1.50 +0.00/-0.06	25.90	CCE-02800-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A28X1.5-411, D1400-0280KSF	
28.00 (1.102")	26.60 +0.00/-0.21	1.50 +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")	26.60 +0.00/-0.21	2.00 +0.00/-0.07	25.90	* CCE-02800H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0280, AS28X2	
28.58 (1.125")	26.70 +0.00/-0.10	1.27 +/-0.05	26.06	CEB-02858-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0112, MIL-16630, Waldes 5102	
28.58 (1.125")	26.90 +/-0.102	1.27 +/-0.051	26.40	CCE-02858-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0112AZD	
28.58 (1.125")	26.90 +/-0.102	1.27 +/-0.051	26.40	CCE-02858-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0112AZD	
28.58 (1.125")	26.90 +/- 0.102	1.27 +/- 0.051	26.44	CCE-02858-C-V	Circlips - External - Inverted Spring Steel: N1408-0112, MIL-16626, Waldes 5108	
28.58 (1.125")	26.90 +/-0.102	1.27 +/-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")	26.90 +/-0.102	1.27 +/-0.051	26.44	CCE-02858-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0112KSF, S73HW2-100-112	
28.58 (1.125")	26.90 +0.051/-0.102	2.36 +/-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")	27.60 +0.00/-0.21	1.50 +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")	27.60 +0.00/-0.21	1.50 +0.00/-0.06	26.90	CCE-02900-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A29X1.5-411, D1400-0290KSF	
29.00 (1.142")	27.60 +0.00/-0.21	2.00 +0.00/-0.07	26.90	CCE-02900HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
29.00 (1.142")	27.60 +0.00/-0.21	2.00 +0.00/-0.07	26.90	* CCE-02900H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0290, AS29X2	
30.00 (1.181")	28.30 +0.00/-0.21	2.00 +0.00/-0.07	27.60	CCE-03000HB-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
30.00 (1.181")	28.60 +0.00/-0.21	1.50 +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")	28.60 +0.00/-0.21	1.50 +0.00/-0.06	27.90	CCE-03000-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A30X1.5-411, D1400-0300KSF	
30.00 (1.181")	28.60 +0.00/-0.21	1.50 +0.00/-0.06	27.90	CCE-03000-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: A30X1.5Z, D1400-0300AZD	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
30.00 (1.181")	28.60 +0.00/-0.21	1.50 +0.00/-0.06	27.90	CCE-03000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0300, Seeger AV, Ellison EXTV</i>	
30.00 (1.181")	28.60 +0.00/-0.21	2.00 +0.00/-0.07	27.90	CCE-03000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0300, AS30X2</i>	
30.16 (1.187")	28.14 +0.00/-0.10	1.27 +/-0.05	27.51	CEB-03016-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0119, MIL-16630, Waldes 5102</i>	
30.16 (1.187")	28.22 +0.051/-0.102	2.36 +/-0.076	27.61	CCE-03016H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0118, MIL-3217, Waldes 5160</i>	
30.16 (1.187")	28.22 +0.051/-0.102	2.36 +/-0.076	27.61	CCE-03016H-S42	Circlips - External - Standard - Stainless Steel <i>Carbon Spring Steel: N1460-0118KSR, MIL-3217, Waldes 5160</i>	
30.16 (1.187")	28.22 +0.051/-0.102	2.36 +/-0.076	27.61	CCE-03016H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0118AZD, MIL-3217, Waldes 5160</i>	
30.16 (1.187")	28.40 +/- 0.102	1.27 +/- 0.051	27.89	CCE-03016-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0119, MIL-16626, Waldes 5108</i>	
30.16 (1.187")	28.40 +/-0.102	1.27 +/-0.051	27.89	CCE-03016-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0118</i>	
30.16 (1.187")	28.40 +/-0.102	1.27 +/-0.051	27.89	CCE-03016-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0118KSF, S73HW2-100-118</i>	
30.16 (1.187")	28.40 +/-0.102	1.27 +/-0.051	27.90	CCE-03016-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0118AZD</i>	
31.00 (1.220")	29.09 +0.00/-0.21	1.50 +0.00/-0.06	28.56	CCE-03100-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A31X1.5, D1400-0310</i>	
31.75 (1.250")	29.62 +0.00/-0.10	1.27 +/-0.05	28.98	* CEB-03175-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0125, MIL-16630, Waldes 5102</i>	
31.75 (1.250")	29.82 +0.051/-0.102	2.36 +/-0.076	29.21	CCE-03175H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0125, MIL-3217, Waldes 5160</i>	
31.75 (1.250")	29.82 +0.051/-0.102	2.36 +/-0.076	29.21	CCE-03175H-CZ	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0125AZD, MIL-3217, Waldes 5160</i>	
31.75 (1.250")	29.82 +0.051/-0.102	2.36 +/-0.076	29.21	CCE-03175H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0125AZD, MIL-3217, Waldes 5160</i>	
31.75 (1.250")	29.87 +/-0.102	1.27 +/-0.051	29.36	CCE-03175-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0125</i>	
31.75 (1.250")	29.87 +/-0.102	1.27 +/-0.051	29.36	CCE-03175-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0125KSF, S73HW2-100-125</i>	
31.75 (1.250")	29.87 +/- 0.102	1.27 +/- 0.051	29.36	CCE-03175-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0125, MIL-16626, Waldes 5108</i>	
31.75 (1.250")	29.87 +/- 0.102	1.27 +/- 0.051	29.36	CCE-03175-S42-V	Circlips - External - Inverted <i>416 Stainless Steel: N1408-0125KSF, MIL-16626, Waldes 5108</i>	
31.75 (1.250")	29.90 +/-0.102	1.27 +/-0.051	29.40	CCE-03175-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0125BC</i>	
31.75 (1.250")	29.90 +/-0.102	1.27 +/-0.051	29.40	CCE-03175-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0125AZD</i>	
31.75 (1.250")	29.90 +/-0.102	1.27 +/-0.051	29.40	CCE-03175-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0125AZD</i>	
32.00 (1.260")	30.05 +0.00/-0.25	1.50 +0.00/-0.06	29.60	CCE-03200-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A32X1.5-411, D1400-0320KSF</i>	
32.00 (1.260")	30.30 +0.00/-0.25	1.50 +0.00/-0.06	29.60	CCE-03200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A32X1.5, D1400-0320</i>	
32.00 (1.260")	30.30 +0.00/-0.25	1.50 +0.00/-0.06	29.60	CCE-03200-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0320, Seeger AV, Ellison EXTV</i>	
32.00 (1.260")	30.30 +0.00/-0.21	2.00 +0.00/-0.07	29.60	CCE-03200H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0320, AS32X2</i>	
33.00 (1.299")	31.30 +0.00/-0.25	1.50 +0.00/-0.06	30.50	CCE-03300-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A33X1.5, D1400-0330</i>	
33.00 (1.299")	31.30 +0.00/-0.25	2.00 +0.00/-0.07	30.50	CCE-03300HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
33.00 (1.299")	31.30 +0.00/-0.25	2.00 +0.00/-0.07	30.50	* CCE-03300H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0330, AS33X2</i>	
33.38 (1.314")	31.09 +0.00/-0.10	1.27 +/-0.05	30.45	* CEB-03338-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0131, MIL-16630, Waldes 5102</i>	
33.38 (1.314")	31.29 +/- 0.102	1.27 +/- 0.051	30.84	CCE-03332-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0131, MIL-16626, Waldes 5108</i>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
33.38 (1.314")	31.30 +/-0.102	1.27 +/-0.051	30.80	CCE-03338-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0131</i>	
33.38 (1.314")	31.30 +/-0.102	1.27 +/-0.051	30.80	CCE-03338-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0131KSF</i>	
33.38 (1.314")	31.30 +/-0.102	1.27 +/-0.051	30.80	CCE-03338-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0131AZD</i>	
33.38 (1.314")	31.34 +0.051/-0.102	2.36 +/-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")	32.10 +0.00/-0.25	2.50 +0.00/-0.07	31.30	CCE-03400HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
34.00 (1.339")	32.30 +0.00/-0.25	1.50 +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")	32.30 +0.00/-0.25	1.50 +0.00/-0.06	31.50	CCE-03400-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A34X1.5-411, D1400-0340KSF</i>	
34.00 (1.339")	32.30 +0.00/-0.25	1.50 +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")	32.30 +0.00/-0.25	2.50 +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")	32.56 +0.00/-0.10	1.27 +/-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")	32.79 +/- 0.102	1.27 +/- 0.051	32.31	CCE-03493-S42-V	Circlips - External - Inverted <i>416 Stainless Steel: N1408-0137KSF, MIL-16626, Waldes 5108</i>	
34.93 (1.375")	32.79 +/- 0.102	1.27 +/- 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")	32.79 +/-0.102	1.27 +/-0.051	32.31	CCE-03493-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0138</i>	
34.93 (1.375")	32.79 +/-0.102	1.27 +/-0.051	32.31	CCE-03493-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0138KSF, S73HW2-100-137</i>	
34.93 (1.375")	32.79 +0.051/-0.102	2.36 +/-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")	32.79 +0.051/-0.102	2.36 +/-0.076	32.21	CCE-03493H-S42	Circlips - External - Standard - Stainless Steel <i>Carbon Spring Steel: N1460-0137KSR, MIL-3217, Waldes 5160</i>	
34.93 (1.375")	32.79 +0.051/-0.102	2.36 +/-0.076	32.21	CCE-03493H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0137AZD, MIL-3217, Waldes 5160</i>	
34.93 (1.375")	32.80 +/-0.102	1.27 +/-0.051	32.30	CCE-03493-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0138AZD</i>	
35.00 (1.378")	32.75 +0.00/-0.25	1.50 +0.00/-0.06	32.20	CCE-03500-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A35X1.5-411, D1400-0350KSF</i>	
35.00 (1.378")	32.80 +0.00/-0.25	2.50 +0.00/-0.07	32.00	CCE-03500HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
35.00 (1.378")	33.00 +0.00/-0.25	1.50 +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")	33.00 +0.00/-0.25	1.50 +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")	33.00 +0.00/-0.25	1.50 +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")	33.00 +0.00/-0.25	2.50 +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")	33.80 +0.00/-0.25	2.50 +0.00/-0.07	33.00	CCE-03600H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0360, AS36X2.5</i>	
36.00 (1.417")	33.80 +0.00/-0.25	2.50 +0.00/-0.07	33.00	CCE-03600HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>	
36.00 (1.417")	34.00 +0.00/-0.25	1.75 +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")	34.00 +0.00/-0.25	1.75 +0.00/-0.06	33.20	CCE-03600-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A36X1.75-411, D1400-0360KSF</i>	
36.53 (1.438")	34.11 +0.00/-0.10	1.27 +/-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")	34.29 +/- 0.102	1.27 +/- 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")	34.29 +/-0.102	1.27 +/-0.051	33.86	CCE-03653-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0143</i>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
36.53 (1.438")	34.29 +/-0.102	1.27 +/-0.051	33.86	CCE-03653-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0143KSF, S73HW2-100-143	
36.53 (1.438")	34.29 +/-0.102	1.27 +/-0.051	33.90	CCE-03653-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0143AZD	
36.53 (1.438")	34.29 +/-0.102	1.27 +/-0.051	33.90	CCE-03653-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0143AZD	
37.00 (1.457")	35.00 +0.00/-0.25	1.75 +0.00/-0.06	34.20	CCE-03700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A37X1.75, D1400-0370	
38.00 (1.496")	35.75 +0.00/-0.25	1.75 +0.00/-0.06	34.50	CCE-03800-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A38X1.75-411, D1400-0380KSF	
38.00 (1.496")	35.80 +0.00/-0.25	1.75 +0.00/-0.06	34.50	CCE-03800-C-V	Circlips - External - Inverted Spring Steel: M1408-0380, Seeger AV, Ellison EXTV	
38.00 (1.496")	36.00 +0.00/-0.25	1.75 +0.00/-0.06	35.20	CCE-03800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A38X1.75, D1400-0380	
38.00 (1.496")	36.00 +0.00/-0.25	2.50 +0.00/-0.07	35.20	CCE-03800H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0380, AS38X2.5	
38.00 (1.496")	36.00 +0.00/-0.25	2.50 +0.00/-0.07	35.00	CCE-03800HA-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel	
38.10 (1.500")	35.48 +0.00/-0.10	1.27 +/-0.05	34.85	* CEB-03810-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0150, MIL-16630, Waldes 5102	
38.10 (1.500")	35.71 +/-0.102	1.27 +/-0.051	35.23	CCE-03810-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0150	
38.10 (1.500")	35.71 +/-0.102	1.27 +/-0.051	35.20	CCE-03810-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0150BC	
38.10 (1.500")	35.71 +/-0.102	1.27 +/-0.051	35.20	CCE-03810-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0150AZD	
38.10 (1.500")	35.71 +/-0.102	1.27 +/-0.051	35.20	CCE-03810-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0150AZD	
38.10 (1.500")	35.71 +/-0.102	1.27 +/-0.051	35.23	CCE-03810-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0150KSF, S73HW2-100-150	
38.10 (1.500")	35.71 +0.051/-0.102	2.77 +/-0.076	35.05	CCE-03810H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0150, MIL-3217, Waldes 5160	
38.10 (1.500")	35.71 +0.051/-0.102	2.77 +/-0.076	35.05	CCE-03810H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0150KSR, MIL-3217, Waldes 5160	
38.10 (1.500")	35.71 +0.051/-0.102	2.77 +/-0.076	35.05	CCE-03810H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0150AZD, MIL-3217, Waldes 5160	
38.10 (1.500")	37.08 +/- 0.102	1.27 +/- 0.051	35.23	CCE-03810-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0150KSF, MIL-16626, Waldes 5108	
38.10 (1.500")	37.08 +/- 0.102	1.27 +/- 0.051	35.23	CCE-03810-C-V	Circlips - External - Inverted Spring Steel: N1408-0150, MIL-16626, Waldes 5108	
39.00 (1.535")	36.75 +0.00/-0.25	1.75 +0.00/-0.06	35.90	CCE-03900-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A39X1.75, D1400-0390	
39.67 (1.562")	37.06 +0.00/-0.13	1.57 +/-0.08	36.22	* CEB-03967-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0156, MIL-16630, Waldes 5102	
39.67 (1.562")	37.29 +/- 0.127	1.57 +/- 0.076	36.73	CCE-03967-C-V	Circlips - External - Inverted Spring Steel: N1408-0156, MIL-16626, Waldes 5108	
39.67 (1.562")	37.29 +/-0.127	1.58 +/-0.076	36.70	CCE-03967-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0156AZD	
39.67 (1.562")	37.29 +/-0.127	1.58 +/-0.076	36.73	CCE-03967-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0156	
39.67 (1.562")	37.29 +/-0.127	1.58 +/-0.076	36.73	CCE-03967-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0156KSF, S73HW2-100-156	
39.67 (1.562")	37.29 +0.076/-0.102	2.77 +/-0.076	36.50	CCE-03967H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0156, MIL-3217, Waldes 5160	
40.00 (1.575")	37.50 +0.00/-0.25	1.75 +0.00/-0.06	36.50	CCE-04000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A40X1.75, D1400-0400	
40.00 (1.575")	37.50 +0.00/-0.25	1.75 +0.00/-0.06	36.50	CCE-04000-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A40X1.75-411, D1400-0400KSF	
40.00 (1.575")	37.50 +0.00/-0.25	1.75 +0.00/-0.06	36.50	CCE-04000-C-V	Circlips - External - Inverted Spring Steel: M1408-0400, Seeger AV, Ellison EXTV	
40.00 (1.575")	37.50 +0.00/-0.25	2.50 +0.00/-0.07	36.50	CCE-04000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0400, AS40X2.5	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
41.00 (1.614")	38.50 +0.00/-0.25	1.75 +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")	38.51 +0.00/-0.13	1.57 +/-0.08	37.67	* CEB-04128-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0162, MIL-16630, Waldes 5102	
41.28 (1.625")	38.84 +/- 0.127	1.57 +/- 0.076	38.18	CCE-04128-C-V	Circlips - External - Inverted Spring Steel: N1408-0162, MIL-16626, Waldes 5108	
41.28 (1.625")	38.84 +/-0.127	1.57 +/-0.076	38.18	CCE-04128-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0162	
41.28 (1.625")	38.84 +/-0.127	1.57 +/-0.076	38.18	CCE-04128-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0162KSF, S73HW2-100-162	
41.28 (1.625")	38.84 +/-0.127	1.57 +/-0.076	38.20	CCE-04128-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0162AZD	
42.00 (1.654")	39.25 +0.00/-0.25	1.75 +0.00/-0.06	38.50	CCE-04200-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A42X1.75-411, D1400-0420KSF	
42.00 (1.654")	39.50 +0.00/-0.25	1.75 +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")	39.50 +0.00/-0.25	1.75 +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")	39.50 +0.00/-0.25	2.50 +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")	39.95 +0.00/-0.13	1.57 +/-0.08	39.12	* CEB-04286-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0168, MIL-16630, Waldes 5102	
42.86 (1.687")	40.36 +/-0.127	1.57 +/-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")	40.36 +/-0.127	1.57 +/-0.076	39.60	CCE-04286-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0168KSF	
42.86 (1.687")	40.36 +/-0.127	1.57 +/-0.076	39.60	CCE-04286-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0168AZD	
44.00 (1.732")	41.50 +0.00/-0.25	1.75 +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")	41.50 +0.00/-0.25	2.50 +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")	41.43 +0.00/-0.13	1.57 +/-0.08	40.59	* CEB-04445-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0175, MIL-16630, Waldes 5102	
44.45 (1.750")	41.90 +/-0.127	1.57 +/-0.076	41.10	CCE-04445-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0175KSF	
44.45 (1.750")	41.90 +/-0.127	1.57 +/-0.076	41.10	CCE-04445-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0175AZD	
44.45 (1.750")	41.91 +/-0.127	1.57 +/-0.076	41.10	CCE-04445-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0175	
44.45 (1.750")	41.91 +/- 0.127	1.57 +/- 0.076	41.58	CCE-04445-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0175KSF, MIL-16626, Waldes 5108	
44.45 (1.750")	41.91 +/- 0.127	1.57 +/- 0.076	41.58	CCE-04445-C-V	Circlips - External - Inverted Spring Steel: N1408-0175, MIL-16626, Waldes 5108	
44.45 (1.750")	41.91 +0.076/-0.102	2.77 +/-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")	41.91 +0.076/-0.102	2.77 +/-0.076	40.84	CCE-04445H-S42	Circlips - External - Standard - Stainless Steel Carbon Spring Steel: N1460-0175KSR, MIL-3217, Waldes 5160	
44.45 (1.750")	41.91 +0.076/-0.102	2.77 +/-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")	42.50 +0.00/-0.25	1.75 +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")	42.50 +0.00/-0.25	1.75 +0.00/-0.06	41.50	CCE-04500-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A45X1.75-411, D1400-0450KSF	
45.00 (1.772")	42.50 +0.00/-0.25	1.75 +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")	42.50 +0.00/-0.25	2.50 +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")	41.91 +0.00/-0.13	1.57 +/-0.08	41.07	CEB-04501-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0177, MIL-16630, Waldes 5102	
45.01 (1.772")	42.39 +/-0.127	1.57 +/-0.076	41.58	CCE-04501-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0177	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
45.01 (1.772")	42.40 +/-0.127	1.57 +/-0.076	41.60	CCE-04501-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0177KSF	
45.01 (1.772")	42.40 +/-0.127	1.57 +/-0.076	41.60	CCE-04501-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0177AZD	
46.00 (1.811")	43.50 +0.00/-0.25	1.75 +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")	42.88 +0.00/-0.13	1.57 +/-0.08	42.04	* CEB-04604-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0181, MIL-16630, Waldes 5102	
46.04 (1.813")	43.38 +/- 0.127	1.57 +/- 0.076	42.55	CCE-04604-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0181KSF, MIL-16626, Waldes 5108	
46.04 (1.813")	43.40 +/-0.127	1.57 +/-0.076	42.60	CCE-04604-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0181	
46.04 (1.813")	43.40 +/-0.127	1.57 +/-0.076	42.60	CCE-04604-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0181KSF	
46.04 (1.813")	43.40 +/-0.127	1.57 +/-0.076	42.60	CCE-04604-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0181AZD	
47.00 (1.850")	44.45 +0.00/-0.25	1.75 +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")	44.50 +0.00/-0.25	1.75 +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")	44.40 +0.00/-0.13	1.57 +/-0.08	43.56	CEB-04763-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0187, MIL-16630, Waldes 5102	
47.63 (1.875")	44.90 +/-0.127	1.57 +/-0.076	44.10	CCE-04763-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0188KSF	
47.63 (1.875")	44.90 +/-0.127	1.57 +/-0.076	44.10	CCE-04763-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0188AZD	
47.63 (1.875")	44.93 +/-0.127	1.57 +/-0.076	44.07	CCE-04763-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0187	
48.00 (1.890")	45.50 +0.00/-0.25	1.75 +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")	45.50 +0.00/-0.25	1.75 +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")	45.50 +0.00/-0.25	1.75 +0.00/-0.06	44.50	CCE-04800-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A48X1.75SS, D1400-0480	
48.00 (1.890")	45.50 +0.00/-0.25	2.50 +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")	46.38 +0.076/-0.102	3.18 +/-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")	46.75 +0.00/-0.25	2.00 +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")	46.75 +0.00/-0.25	2.00 +0.00/-0.06	45.80	CCE-05000-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A50X2-411, D1400-0500KSF	
50.00 (1.969")	47.00 +0.00/-0.25	2.00 +0.00/-0.06	45.80	CCE-05000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A50X2, D1400-0500	
50.00 (1.969")	47.00 +0.00/-0.25	2.00 +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")	47.00 +0.00/-0.25	3.00 +0.00/-0.08	45.60	CCE-05000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0500, AS50X3	
50.00 (1.969")	47.20 +/-0.127	1.57 +/-0.076	46.20	CCE-05001-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0196KSF	
50.01 (1.969")	46.53 +0.00/-0.13	1.57 +/-0.08	46.20	CEB-05001-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0196, MIL-16630, Waldes 5102	
50.01 (1.969")	47.17 +/- 0.127	1.57 +/- 0.076	46.20	CCE-05001-C-V	Circlips - External - Inverted Spring Steel: N1408-0196, MIL-16626, Waldes 5108	
50.01 (1.969")	47.20 +/-0.127	1.57 +/-0.076	46.20	CCE-05001-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0196	
50.01 (1.969")	47.20 +/-0.127	1.57 +/-0.076	46.20	CCE-05001-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0196AZD	
50.80 (2.000")	47.32 +0.00/-0.13	1.57 +/-0.08	46.48	* CEB-05080-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0200, MIL-16630, Waldes 5102	
50.80 (2.000")	47.75 +0.076/-0.102	3.18 +/-0.102	46.74	CCE-05080H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0200, MIL-3217, Waldes 5160	

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

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
50.80 (2.000")	47.75 +0.076/-0.102	3.18 +/-0.102	46.74	CCE-05080H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0200AZD, MIL-3217, Waldes 5160	
50.80 (2.000")	47.90 +/- 0.127	1.57 +/- 0.076	46.99	CCE-05080-C-V	Circlips - External - Inverted Spring Steel: N1408-0200, MIL-16626, Waldes 5108	
50.80 (2.000")	47.90 +/- 0.127	1.57 +/- 0.076	46.99	CCE-05080-S42-V	Circlips - External - Inverted 416 Stainless Steel: N1408-0200KSF, MIL-16626, Waldes 5108	
50.80 (2.000")	47.90 +/-0.152	1.57 +/-0.076	46.99	CCE-05080-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0200	
50.80 (2.000")	47.90 +/-0.152	1.57 +/-0.076	47.00	CCE-05080-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0200KSF, D1400-0480KSF	
50.80 (2.000")	47.90 +/-0.152	1.57 +/-0.076	47.00	CCE-05080-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0200AZD	
52.00 (2.047")	49.00 +0.00/-0.25	2.00 +0.00/-0.06	47.80	CCE-05200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A52X2, D1400-0520	
52.00 (2.047")	49.00 +0.00/-0.25	3.00 +0.00/-0.08	47.80	CCE-05200H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0520, AS52X3	
52.39 (2.063")	48.79 +0.00/-0.15	1.98 +/-0.08	47.78	* CEB-05239-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0206, MIL-16630, Waldes 5102	
52.39 (2.063")	49.43 +/-0.152	1.98 +/-0.076	48.40	CCE-05239-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0206	
52.39 (2.063")	49.43 +/-0.152	1.98 +/-0.076	48.40	CCE-05239-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0206KSF	
52.39 (2.063")	49.43 +/-0.152	1.98 +/-0.076	48.40	CCE-05239-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0206AZD	
53.98 (2.125")	50.27 +0.00/-0.15	1.98 +/-0.08	49.25	* CEB-05398-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0212, MIL-16630, Waldes 5102	
53.98 (2.125")	50.88 +/-0.152	1.98 +/-0.076	49.89	CCE-05398-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0212	
53.98 (2.125")	50.89 +/-0.152	1.98 +/-0.076	49.90	CCE-05398-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0213KSF	
53.98 (2.125")	50.89 +/-0.152	1.98 +/-0.076	49.90	CCE-05398-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0213AZD	
54.00 (2.126")	51.00 +0.00/-0.25	2.00 +0.00/-0.06	49.80	CCE-05400-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A54X2, D1400-0540	
54.77 (2.156")	50.88 +/- 0.152	1.98 +/- 0.076	50.62	CCE-05477-C-V	Circlips - External - Inverted Spring Steel: N1408-0215, MIL-16626, Waldes 5108	
54.77 (2.156")	51.00 +0.00/-0.15	1.98 +/-0.08	49.99	CEB-05477-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0215, MIL-16630, Waldes 5102	
54.77 (2.156")	51.61 +/-0.152	1.98 +/-0.076	50.60	CCE-05477-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0215	
54.77 (2.156")	51.61 +/-0.152	1.98 +/-0.076	50.60	CCE-05477-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0215KSF	
54.77 (2.156")	51.61 +/-0.152	1.98 +/-0.076	50.60	CCE-05477-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0215AZD	
55.00 (2.165")	51.75 +0.00/-0.25	2.00 +0.00/-0.06	50.80	CCE-05500-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A55X2-411, D1400-0550KSF	
55.00 (2.165")	52.00 +0.00/-0.25	2.00 +0.00/-0.06	50.80	CCE-05500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A55X2, D1400-0550	
55.00 (2.165")	52.00 +0.00/-0.30	2.00 +0.00/-0.07	50.80	CCE-05500-C-V	Circlips - External - Inverted Spring Steel: M1408-0550, Seeger AV, Ellison EXTV	
55.00 (2.165")	52.00 +0.00/-0.30	3.00 +0.00/-0.08	50.80	CCE-05500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0550, AS55X3	
56.00 (2.205")	53.00 +0.00/-0.30	2.00 +0.00/-0.07	51.80	CCE-05600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A56X2, D1400-0560	
57.00 (2.244")	54.00 +0.00/-0.30	2.00 +0.00/-0.07	52.80	CCE-05700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A57X2, D1400-0570	
57.15 (2.250")	53.18 +0.00/-0.15	1.98 +/-0.08	52.22	* CEB-05715-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0225, MIL-16630, Waldes 5102	
57.15 (2.250")	53.85 +/-0.152	1.98 +/-0.076	52.86	CCE-05715-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0225	
57.15 (2.250")	53.90 +/-0.152	1.98 +/-0.076	52.90	CCE-05715-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0225KSF	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
57.15 (2.250")	53.90 +/-0.152	1.98 +/-0.076	52.90	CCE-05715-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0225AZD</i>	
58.00 (2.283")	55.00 +0.00/-0.30	2.00 +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")	55.00 +0.00/-0.30	2.00 +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")	55.00 +0.00/-0.30	3.00 +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")	54.71 +0.00/-0.15	1.98 +/-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")	55.30 +/-0.152	1.98 +/-0.076	54.30	CCE-05874-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0231KSF</i>	
58.74 (2.313")	55.30 +/-0.152	1.98 +/-0.076	54.30	CCE-05874-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0231AZD</i>	
58.74 (2.313")	55.32 +/-0.152	1.98 +/-0.076	54.33	CCE-05874-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0231</i>	
60.00 (2.362")	56.70 +0.00/-0.30	2.00 +0.00/-0.07	55.80	CCE-06000-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A60X2-411, D1400-0600KSF</i>	
60.00 (2.362")	57.00 +0.00/-0.30	2.00 +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")	57.00 +0.00/-0.30	2.00 +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")	57.00 +0.00/-0.30	3.00 +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")	56.18 +0.00/-0.15	1.98 +/-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")	56.87 +/-0.152	1.98 +/-0.076	55.80	CCE-06033-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0237</i>	
60.33 (2.375")	56.90 +/-0.152	1.98 +/-0.076	55.80	CCE-06033-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0237KSF</i>	
60.33 (2.375")	56.90 +/-0.152	1.98 +/-0.076	55.80	CCE-06033-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0237AZD</i>	
61.91 (2.437")	57.66 +0.00/-0.15	1.98 +/-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")	58.39 +/-0.152	1.98 +/-0.076	57.28	CCE-06191-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0243</i>	
61.91 (2.437")	58.39 +/-0.152	1.98 +/-0.076	57.30	CCE-06191-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0243</i>	
61.91 (2.437")	58.39 +/-0.152	1.98 +/-0.076	57.30	CCE-06191-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0243AZD</i>	
62.00 (2.441")	58.70 +0.00/-0.30	2.00 +0.00/-0.07	57.80	CCE-06200-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A62X2-411, D1400-0620KSF</i>	
62.00 (2.441")	59.00 +0.00/-0.30	2.00 +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")	60.00 +0.00/-0.30	2.00 +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")	59.13 +0.00/-0.15	1.98 +/-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")	59.94 +/- 0.152	1.98 +/- 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")	59.94 +/-0.152	1.98 +/-0.076	58.75	CCE-06350-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0250</i>	
63.50 (2.500")	59.94 +/-0.152	1.98 +/-0.076	58.80	CCE-06350-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0250KSF</i>	
63.50 (2.500")	59.94 +/-0.152	1.98 +/-0.076	58.80	CCE-06350-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0250AZD</i>	
64.00 (2.520")	61.00 +0.00/-0.30	2.00 +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")	61.44 +/-0.152	1.98 +/-0.076	60.38	CCE-06499-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0255</i>	
64.99 (2.559")	61.44 +/-0.152	1.98 +/-0.076	60.40	CCE-06499-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0255KSF</i>	

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

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
64.99 (2.559")	61.44 +/-0.152	1.98 +/-0.076	60.40	CCE-06499-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0255AZD</i>	
65.00 (2.559")	60.88 +0.00/-0.15	1.98 +/-0.08	59.61	* CEB-06500-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0255, MIL-16630, Waldes 5102</i>	
65.00 (2.559")	61.70 +0.00/-0.30	2.50 +0.00/-0.07	60.80	CCE-06500-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A65X2.5-411, D1400-0650KSF</i>	
65.00 (2.559")	62.00 +0.00/-0.30	2.50 +0.00/-0.07	60.80	CCE-06500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A65X2.5, D1400-0650</i>	
65.00 (2.559")	62.00 +0.00/-0.30	2.50 +0.00/-0.07	60.80	CCE-06500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0650, Seeger AV, Ellison EXTV</i>	
65.00 (2.559")	62.00 +0.00/-0.30	4.00 +0.00/-0.10	60.80	CCE-06500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0650, AS65X4</i>	
66.68 (2.625")	62.18 +0.00/-0.15	1.98 +/-0.08	60.91	* CEB-06668-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0262, MIL-16630, Waldes 5102</i>	
66.68 (2.625")	63.00 +/-0.152	1.98 +/-0.076	61.70	CCE-06668-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0262KSF</i>	
66.68 (2.625")	63.00 +/-0.152	1.98 +/-0.076	61.70	CCE-06668-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0262AZD</i>	
66.68 (2.625")	63.00 +/-0.152	1.98 +/-0.076	61.70	CCE-06668-CZ	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Carbon Spring Steel: N1400-0262AZD</i>	
66.68 (2.625")	63.02 +/-0.152	1.98 +/-0.076	61.67	CCE-06668-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0262</i>	
67.00 (2.638")	63.71 +0.00/-0.30	2.50 +0.00/-0.07	62.60	CCE-06700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A67X2.5, D1400-0670</i>	
68.00 (2.677")	65.00 +0.00/-0.30	2.50 +0.00/-0.07	63.50	CCE-06800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A68X2.5, D1400-0680</i>	
68.26 (2.687")	63.63 +0.00/-0.15	1.98 +/-0.08	62.36	* CEB-06826-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0268, MIL-16630, Waldes 5102</i>	
68.26 (2.687")	89.90 +/-0.152	1.98 +/-0.076	63.10	CCE-06826-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0268</i>	
68.26 (2.687")	89.90 +/-0.152	1.98 +/-0.076	63.10	CCE-06826-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0268KSF</i>	
68.26 (2.687")	89.90 +/-0.152	1.98 +/-0.076	63.10	CCE-06826-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0268AZD</i>	
69.85 (2.750")	65.10 +0.00/-0.15	2.36 +/-0.08	63.83	* CEB-06985-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0275, MIL-16630, Waldes 5102</i>	
69.85 (2.750")	66.09 +/- 0.152	1.98 +/- 0.076	64.59	CCE-06985-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0275, MIL-16626, Waldes 5108</i>	
69.85 (2.750")	66.09 +/-0.152	2.36 +/-0.076	64.59	CCE-06985-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0275</i>	
69.85 (2.750")	66.10 +/-0.152	2.36 +/-0.076	64.60	CCE-06985-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0275KSF</i>	
69.85 (2.750")	66.10 +/-0.152	2.36 +/-0.076	64.60	CCE-06985-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0275AZD</i>	
70.00 (2.756")	67.00 +0.00/-0.30	2.50 +0.00/-0.07	65.50	CCE-07000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A70X2.5, D1400-0700</i>	
70.00 (2.756")	67.00 +0.00/-0.30	2.50 +0.00/-0.07	65.50	CCE-07000-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless: A70X2.5-411, D1400-0700KSF</i>	
70.00 (2.756")	67.00 +0.00/-0.30	2.50 +0.00/-0.07	65.50	CCE-07000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0700, Seeger AV, Ellison EXTV</i>	
70.00 (2.756")	67.00 +0.00/-0.30	4.00 +0.00/-0.10	65.50	CCE-07000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0700, AS70X4</i>	
72.00 (2.835")	69.00 +0.00/-0.30	2.50 +0.00/-0.07	67.50	CCE-07200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A72X2.5, D1400-0720</i>	
72.00 (2.835")	69.00 +0.00/-0.30	2.50 +0.00/-0.07	67.50	CCE-07200-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0720, Seeger AV, Ellison EXTV</i>	
73.03 (2.875")	68.05 +0.00/-0.15	2.36 +/-0.08	66.78	* CEB-07303-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0287, MIL-16630, Waldes 5102</i>	
73.03 (2.875")	69.11 +/- 0.152	1.98 +/- 0.076	67.54	CCE-07303-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0287, MIL-16626, Waldes 5108</i>	
73.03 (2.875")	69.11 +/-0.152	2.36 +/-0.076	67.50	CCE-07303-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0287KSF</i>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
73.03 (2.875")	69.11 +/-0.152	2.36 +/-0.076	67.50	CCE-07303-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0287AZD</i>	
73.03 (2.875")	69.11 +/-0.152	2.36 +/-0.076	67.54	CCE-07303-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0287</i>	
74.61 (2.937")	70.59 +/-0.152	2.36 +/-0.076	69.00	CCE-07461-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0293</i>	
74.61 (2.937")	70.59 +/-0.152	2.36 +/-0.076	69.00	CCE-07461-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0293KSF</i>	
74.61 (2.937")	70.59 +/-0.152	2.36 +/-0.076	69.00	CCE-07461-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0293AZD</i>	
74.61 (2.937")	71.04 +0.00/-0.15	2.36 +/-0.08	68.25	* CEB-07461-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0293, MIL-16630, Waldes 5102</i>	
75.00 (2.953")	72.00 +0.00/-0.30	2.50 +0.00/-0.07	70.50	CCE-07500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A75X2.5, MD0471MQB075, D1400-0750</i>	
75.00 (2.953")	72.00 +0.00/-0.30	2.50 +0.00/-0.07	70.50	CCE-07500-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A75-411, D1400-0750KSF</i>	
75.00 (2.953")	72.00 +0.00/-0.30	2.50 +0.00/-0.07	70.50	CCE-07500-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0750, Seeger AV, Ellison EXTV</i>	
75.00 (2.953")	72.00 +0.00/-0.30	4.00 +0.00/-0.10	70.50	CCE-07500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0750, AS75X4</i>	
76.20 (3.000")	70.99 +0.00/-0.15	2.36 +/-0.08	69.72	* CEB-07620-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0300, MIL-16630, Waldes 5102</i>	
76.20 (3.000")	72.09 +/-0.152	2.36 +/-0.076	70.49	CCE-07620-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0300</i>	
76.20 (3.000")	72.09 +/-0.152	2.36 +/-0.076	70.50	CCE-07620-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0300KSF</i>	
76.20 (3.000")	72.09 +/-0.152	2.36 +/-0.076	70.50	CCE-07620-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0300AZD</i>	
77.00 (3.031")	73.71 +0.00/-0.30	2.50 +0.00/-0.07	70.90	CCE-07700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A77X2.5, D1400-0770</i>	
77.79 (3.063")	72.44 +0.00/-0.15	2.36 +/-0.08	71.17	* CEB-07779-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0306, MIL-16630, Waldes 5102</i>	
77.79 (3.063")	73.61 +/-0.152	2.36 +/-0.076	73.00	CCE-07779-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0306</i>	
77.79 (3.063")	73.61 +/-0.152	2.36 +/-0.076	73.00	CCE-07779-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0306KSF</i>	
77.79 (3.063")	73.61 +/-0.152	2.36 +/-0.076	73.00	CCE-07779-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0306AZD</i>	
78.00 (3.071")	74.78 +0.00/-0.30	2.50 +0.00/-0.07	72.40	CCE-07800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A78X2.5, D1400-0780</i>	
79.38 (3.125")	73.96 +0.00/-0.15	2.36 +/-0.08	72.69	* CEB-07938-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0312, MIL-16630, Waldes 5102</i>	
79.38 (3.125")	75.11 +/-0.152	2.36 +/-0.076	73.46	CCE-07938-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0312</i>	
79.38 (3.125")	75.11 +/-0.152	2.36 +/-0.076	73.50	CCE-07938-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0312KSF</i>	
79.38 (3.125")	75.11 +/-0.152	2.36 +/-0.076	73.50	CCE-07938-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0312AZD</i>	
80.00 (3.150")	76.50 +0.00/-0.30	2.50 +0.00/-0.07	74.50	CCE-08000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A80X2.5, D1400-0800</i>	
80.00 (3.150")	76.50 +0.00/-0.30	2.50 +0.00/-0.07	74.50	CCE-08000-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A80X2.5SS, D1400-0800KSF</i>	
80.00 (3.150")	76.50 +0.00/-0.30	2.50 +0.00/-0.07	74.50	CCE-08000-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0800, Seeger AV, Ellison EXTV</i>	
80.00 (3.150")	76.50 +0.00/-0.30	4.00 +0.00/-0.10	74.50	CCE-08000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0800, AS80X4</i>	
80.17 (3.156")	74.68 +0.00/-0.15	2.36 +/-0.08	73.41	* CEB-08017-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0315, MIL-16630, Waldes 5102</i>	
80.17 (3.156")	75.84 +/- 0.152	1.98 +/- 0.076	74.17	CCE-08017-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0315, MIL-16626, Waldes 5108</i>	
80.17 (3.156")	75.84 +/-0.152	2.36 +/-0.076	74.20	CCE-08017-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0315</i>	



Stocked or Short Delivery



Usually Available Short Delivery



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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
80.17 (3.156")	75.84 +/-0.152	2.36 +/-0.076	74.20	CCE-08017-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0315KSF	
80.17 (3.156")	75.84 +/-0.152	2.36 +/-0.076	74.20	CCE-08017-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0315AZD	
82.00 (3.228")	78.50 +0.00/-0.30	2.50 +0.00/-0.07	76.50	CCE-08200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A82X2.5, D1400-0820	
82.00 (3.228")	78.50 +0.00/-0.35	2.50 +0.00/-0.07	76.50	CCE-08200-C-V	Circlips - External - Inverted Spring Steel: M1408-0820, Seeger AV, Ellison EXTV	
82.55 (3.250")	76.86 +0.00/-0.15	2.36 +/-0.08	75.59	* CEB-08255-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0325, MIL-16630, Waldes 5102	
82.55 (3.250")	78.10 +/-0.152	2.36 +/-0.076	76.40	CCE-08255-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0325KSF	
82.55 (3.250")	78.10 +/-0.152	2.36 +/-0.076	76.40	CCE-08255-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0325AZD	
82.55 (3.250")	78.13 +/- 0.152	1.98 +/- 0.076	76.35	CCE-08255-C-V	Circlips - External - Inverted Spring Steel: N1408-0325, MIL-16626, Waldes 5108	
82.55 (3.250")	78.13 +/-0.152	2.36 +/-0.076	76.35	CCE-08255-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0325	
84.99 (3.346")	79.04 +0.00/-0.15	2.36 +/-0.08	77.77	* CEB-08499-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0334, MIL-16630, Waldes 5102	
84.99 (3.346")	80.42 +/-0.152	2.36 +/-0.076	78.50	CCE-08499-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0334KSF	
84.99 (3.346")	80.42 +/-0.152	2.36 +/-0.076	78.50	CCE-08499-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0334AZD	
84.99 (3.346")	80.42 +/-0.152	2.36 +/-0.076	78.54	CCE-08499-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0334	
85.00 (3.346")	81.50 +0.00/-0.35	3.00 +0.00/-0.08	79.50	CCE-08500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A85X3, D1400-0850	
85.00 (3.346")	81.50 +0.00/-0.35	3.00 +0.00/-0.08	79.50	CCE-08500-C-V	Circlips - External - Inverted Spring Steel: M1408-0850, Seeger AV, Ellison EXTV	
85.00 (3.346")	81.50 +0.00/-0.35	4.00 +0.00/-0.10	79.50	CCE-08500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0850, AS85X4	
87.00 (3.425")	83.15 +0.00/-0.35	3.00 +0.00/-0.08	81.50	CCE-08700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A87X3, D1400-0870	
87.00 (3.425")	83.50 +0.00/-0.35	3.00 +0.00/-0.08	81.50	CCE-08700-C-V	Circlips - External - Inverted Spring Steel: M1408-0870, Seeger AV, Ellison EXTV	
87.31 (3.437")	81.25 +0.00/-0.15	2.77 +/-0.08	79.98	* CEB-08731-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0343, MIL-16630, Waldes 5102	
87.31 (3.437")	82.73 +/-0.152	2.36 +/-0.076	80.75	CCE-08731-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0343	
87.31 (3.437")	82.73 +/-0.152	2.36 +/-0.076	80.80	CCE-08731-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0343KSF	
87.31 (3.437")	82.73 +/-0.152	2.36 +/-0.076	80.80	CCE-08731-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0343AZD	
88.00 (3.465")	84.45 +0.00/-0.35	3.00 +0.00/-0.08	82.50	CCE-08800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A88X3, D1400-0880	
88.90 (3.500")	82.73 +0.00/-0.15	2.77 +/-0.08	81.46	* CEB-08890-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0350, MIL-16630, Waldes 5102	
88.90 (3.500")	84.23 +/-0.152	2.77 +/-0.076	82.20	CCE-08890-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0350KSF	
88.90 (3.500")	84.23 +/-0.152	2.77 +/-0.076	82.20	CCE-08890-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0350AZD	
88.90 (3.500")	84.23 +/- 0.152	2.77 +/- 0.076	82.22	CCE-08890-C-V	Circlips - External - Inverted Spring Steel: N1408-0350, MIL-16626, Waldes 5108	
88.90 (3.500")	84.23 +/-0.152	2.77 +/-0.076	82.22	CCE-08890-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0350	
89.99 (3.543")	83.71 +0.00/-0.15	2.77 +/-0.08	82.47	CEB-08999-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0354, MIL-16630, Waldes 5102	
89.99 (3.543")	85.27 +/-0.152	2.77 +/-0.076	83.20	CCE-08999-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0354KSF	
89.99 (3.543")	85.27 +/-0.152	2.77 +/-0.076	83.20	CCE-08999-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0354AZD	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
89.99 (3.543")	85.27 +/-0.152	2.77 +/-0.076	83.24	CCE-08999-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0354</i>	
90.00 (3.543")	86.50 +0.00/-0.35	3.00 +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")	86.50 +0.00/-0.35	3.00 +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")	86.50 +0.00/-0.35	4.00 +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")	88.15 +0.00/-0.35	3.00 +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")	85.65 +0.00/-0.15	2.77 +/-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")	87.25 +/-0.152	2.77 +/-0.076	85.10	CCE-09208-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0363KSF</i>	
92.08 (3.625")	87.25 +/-0.152	2.77 +/-0.076	85.10	CCE-09208-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0363AZD</i>	
92.08 (3.625")	87.25 +/-0.152	2.77 +/-0.076	85.14	CCE-09208-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0362</i>	
93.68 (3.688")	87.12 +0.00/-0.15	2.77 +/-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")	88.72 +/-0.152	2.77 +/-0.076	86.60	CCE-09366-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0368</i>	
93.68 (3.688")	88.72 +/-0.152	2.77 +/-0.076	86.60	CCE-09366-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0368KSF</i>	
93.68 (3.688")	88.72 +/-0.152	2.77 +/-0.076	86.60	CCE-09366-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0368AZD</i>	
93.68 (3.688")	88.72 +/-0.152	2.77 +/-0.076	86.61	CCE-09368-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0368</i>	
95.00 (3.740")	91.50 +0.00/-0.35	3.00 +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")	91.50 +0.00/-0.35	3.00 +0.00/-0.08	89.50	CCE-09500-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: A95X3SS, D1400-0950-KSF</i>	
95.00 (3.740")	91.50 +0.00/-0.35	4.00 +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")	88.60 +0.00/-0.15	2.77 +/-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")	90.25 +/-0.152	2.77 +/-0.076	88.09	CCE-09525-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0375</i>	
95.25 (3.750")	90.25 +/-0.152	2.77 +/-0.076	88.10	CCE-09525-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0375KSF</i>	
95.25 (3.750")	90.25 +/-0.152	2.77 +/-0.076	88.10	CCE-09525-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0375AZD</i>	
97.00 (3.819")	93.15 +0.00/-0.35	3.00 +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")	94.15 +0.00/-0.35	3.00 +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")	91.54 +0.00/-0.15	2.77 +/-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")	93.19 +/-0.152	2.77 +/-0.076	91.03	CCE-09843-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0387</i>	
98.43 (3.875")	93.30 +/-0.152	2.77 +/-0.076	91.00	CCE-09843-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0387KSF</i>	
98.43 (3.875")	93.30 +/-0.152	2.77 +/-0.076	91.00	CCE-09843-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0387AZD</i>	
100.00 (3.937")	96.50 +0.00/-0.35	3.00 +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")	96.50 +0.00/-0.35	3.00 +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")	96.50 +0.00/-0.35	4.00 +0.00/-0.10	94.50	CCE-10000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1000, AS100X4</i>	
100.01 (3.937")	93.00 +0.00/-0.15	2.77 +/-0.08	91.74	* CEB-10001-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0393, MIL-16630, Waldes 5102</i>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
100.01 (3.937")	94.78 +/-0.152	2.77 +/-0.076	92.50	CCE-10001-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0393KSF	
100.01 (3.937")	94.78 +/-0.152	2.77 +/-0.076	92.50	CCE-10001-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0393AZD	
100.01 (3.937")	94.78 +/-0.152	2.77 +/-0.076	92.51	CCE-10001-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0393	
100.01 (3.937")	94.84 +/- 0.152	2.77 +/- 0.076	92.51	CCE-10001-C-V	Circlips - External - Inverted Spring Steel: N1408-0393, MIL-16626, Waldes 5108	
101.60 (4.000")	94.49 +0.00/-0.15	2.77 +/-0.08	93.22	* CEB-10160-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0400, MIL-16630, Waldes 5102	
101.60 (4.000")	96.32 +/-0.152	2.77 +/-0.076	93.98	CCE-10160-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0400	
101.60 (4.000")	96.32 +/-0.152	2.77 +/-0.076	94.00	CCE-10160-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0400KSF	
101.60 (4.000")	96.32 +/-0.152	2.77 +/-0.076	94.00	CCE-10160-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0400AZD	
101.60 (4.000")	96.32 +/- 0.152	2.77 +/- 0.076	93.98	CCE-10160-C-V	Circlips - External - Inverted Spring Steel: N1408-0400, MIL-16626, Waldes 5108	
102.00 (4.016")	98.00 +0.00/-0.54	4.00 +0.00/-0.10	96.20	* CCE-10200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A102X4, D1400-1020	
104.78 (4.125")	99.60 +/-0.152	2.77 +/-0.076	96.50	CCE-10478-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0412	
105.00 (4.134")	101.00 +0.00/-0.54	4.00 +0.00/-0.10	98.00	CCE-10500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A105X4, D1400-1050	
105.00 (4.134")	101.00 +0.00/-0.54	5.00 +0.00/-0.12	98.00	CCE-10500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1050, AS105X5	
107.00 (4.213")	102.46 +0.00/-0.54	4.00 +0.00/-0.10	100.00	CCE-10700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A107X4, D1400-1070	
107.95 (4.250")	101.83 +0.00/-0.15	2.77 +/-0.08	100.56	* CEB-10795-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0425, MIL-16630, Waldes 5102	
107.95 (4.250")	103.19 +/-0.152	2.77 +/-0.076	101.32	CCE-10795-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0425	
107.95 (4.250")	103.30 +/-0.152	2.77 +/-0.076	101.30	CCE-10795-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0425KSF	
107.95 (4.250")	103.30 +/-0.152	2.77 +/-0.076	101.30	CCE-10795-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0425AZD	
108.00 (4.252")	103.46 +0.00/-0.54	4.00 +0.00/-0.10	101.00	CCE-10800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A108X4, D1400-1080	
110.00 (4.331")	106.00 +0.00/-0.54	4.00 +0.00/-0.10	103.00	CCE-11000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A110X4, D1400-1100	
110.00 (4.331")	106.00 +0.00/-0.54	4.00 +0.00/-0.10	103.00	CCE-11000-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A110X4-411, D1400-1100KSF	
110.00 (4.331")	106.00 +0.00/-0.54	5.00 +0.00/-0.12	102.80	CCE-11000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1100, AS110X5	
111.00 (4.370")	107.00 +0.00/-0.54	4.00 +0.00/-0.10	103.00	CCE-11100-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A111X4-411, D1400-1110KSF	
111.00 (4.370")	107.00 +0.00/-0.54	4.00 +0.00/-0.10	103.00	* CCE-11100-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A111X4, D1400-1110	
111.13 (4.375")	104.78 +0.00/-0.15	2.77 +/-0.08	103.53	* CEB-11113-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0437, MIL-16630, Waldes 5102	
111.13 (4.375")	106.40 +/-0.152	2.77 +/-0.076	104.30	CCE-11113-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0437	
111.13 (4.375")	106.40 +/-0.152	2.77 +/-0.076	104.30	CCE-11113-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0437KSF	
111.13 (4.375")	106.40 +/-0.152	2.77 +/-0.076	104.30	CCE-11113-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0437AZD	
112.00 (4.409")	108.00 +0.00/-0.54	4.00 +0.00/-0.10	105.00	CCE-11200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A112X4, D1400-1120	
114.30 (4.500")	107.77 +0.00/-0.15	2.77 +/-0.08	106.50	* CEB-11430-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0450, MIL-16630, Waldes 5102	
114.30 (4.500")	109.50 +/-0.152	2.77 +/-0.076	107.30	CCE-11430-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0450	



Stocked or Short Delivery



Usually Available Short Delivery



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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
114.30 (4.500")	109.50 +/-0.152	2.77 +/-0.076	107.30	CCE-11430-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0450KSF	
114.30 (4.500")	109.50 +/-0.152	2.77 +/-0.076	107.30	CCE-11430-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0450AZD	
115.00 (4.528")	111.00 +0.00/-0.54	4.00 +0.00/-0.10	108.00	CCE-11500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A115X4, D1400-1150	
115.00 (4.528")	111.00 +0.00/-0.54	5.00 +0.00/-0.12	108.00	CCE-11500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1150, AS115X5	
117.00 (4.606")	113.00 +0.00/-0.54	4.00 +0.00/-0.10	110.00	CCE-11700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A117X4, D1400-1170	
118.00 (4.646")	114.00 +0.00/-0.54	4.00 +0.00/-0.10	110.00	CCE-11800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A118X4, D1400-1180	
120.00 (4.724")	116.00 +0.00/-0.54	4.00 +0.00/-0.10	113.00	CCE-12000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A120X4, D1400-1200	
120.00 (4.724")	116.00 +0.00/-0.54	4.00 +0.00/-0.10	113.00	** CCE-12000-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: A120X4-411, D1400-1200KSF	
120.00 (4.724")	116.00 +0.00/-0.54	5.00 +0.00/-0.12	113.00	* CCE-12000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1200, AS120X5, MD0471MQB120	
120.65 (4.750")	113.71 +0.00/-0.15	2.77 +/-0.08	112.47	* CEB-12065-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0475, MIL-16630, Waldes 5102	
120.65 (4.750")	115.57 +/-0.152	2.77 +/-0.076	113.20	CCE-12065-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0475KSF	
120.65 (4.750")	115.57 +/-0.152	2.77 +/-0.076	113.20	CCE-12065-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0475AZD	
120.65 (4.750")	115.57 +/-0.152	2.77 +/-0.076	113.23	CCE-12065-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0475	
122.00 (4.803")	118.00 +0.00/-0.54	4.00 +0.00/-0.10	115.00	CCE-12200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A122X4, D1400-1220	
125.00 (4.921")	121.00 +0.00/-0.63	4.00 +0.00/-0.10	118.00	CCE-12500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A125X4, D1400-1250	
125.00 (4.921")	121.00 +0.00/-0.63	5.00 +0.00/-0.12	118.00	CCE-12500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1250, AS125X5	
127.00 (5.000")	119.68 +0.00/-0.15	2.77 +/-0.08	118.41	CEB-12700-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0500, MIL-16630, Waldes 5102	
127.00 (5.000")	121.70 +/-0.152	2.77 +/-0.076	119.20	CCE-12700N-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0500	
127.00 (5.000")	121.70 +/-0.152	2.77 +/-0.076	119.20	CCE-12700N-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0500KSF	
127.00 (5.000")	121.70 +/-0.152	2.77 +/-0.076	119.20	CCE-12700N-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0500AZD	
127.00 (5.000")	122.37 +0.00/-0.63	4.00 +0.00/-0.10	120.54	CCE-12700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A127X4, D1400-1270	
128.00 (5.039")	123.37 +0.00/-0.63	4.00 +0.00/-0.10	121.54	CCE-12800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A128X4, D1400-1280	
130.00 (5.118")	126.00 +0.00/-0.63	4.00 +0.00/-0.10	123.00	CCE-13000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A130X4, D1400-1300	
130.00 (5.118")	126.00 +0.00/-0.63	5.00 +0.00/-0.12	123.00	CCE-13000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1300, AS130X5	
132.00 (5.197")	128.00 +0.00/-0.63	4.00 +0.00/-0.10	125.00	CCE-13200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A132X4, D1400-1320	
133.35 (5.250")	125.65 +0.00/-0.18	3.18 +/-0.10	124.13	* CEB-13335-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0525, MIL-16630, Waldes 5102	
133.35 (5.250")	127.76 +/-0.176	3.18 +/-0.102	125.15	CCE-13335-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0525	
133.35 (5.250")	127.76 +/-0.176	3.18 +/-0.102	125.20	CCE-13335-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0525KSF	
133.35 (5.250")	127.76 +/-0.176	3.18 +/-0.102	125.20	CCE-13335-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0525AZD	
135.00 (5.315")	130.37 +0.00/-0.63	4.00 +0.00/-0.10	128.63	CCE-13500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A135X4, D1400-1350	
135.00 (5.315")	131.00 +0.00/-0.63	5.00 +0.00/-0.12	128.00	CCE-13500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1350, AS135X5	



Stocked or Short Delivery



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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
137.00 (5.394")	133.00 +0.00/-0.63	4.00 +0.00/-0.10	130.00	CCE-13700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A137X4, D1400-1370</i>	
138.00 (5.433")	134.00 +0.00/-0.63	4.00 +0.00/-0.10	130.00	CCE-13800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A138X4, D1400-1380</i>	
139.70 (5.500")	131.62 +0.00/-0.18	3.18 +/-0.10	130.10	* CEB-13970-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0550, MIL-16630, Waldes 5102</i>	
139.70 (5.500")	133.71 +/-0.176	3.18 +/-0.102	131.10	CCE-13970-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0550</i>	
139.70 (5.500")	133.71 +/-0.176	3.18 +/-0.102	131.10	CCE-13970-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0550KSF</i>	
139.70 (5.500")	133.71 +/-0.176	3.18 +/-0.102	131.10	CCE-13970-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0550AZD</i>	
140.00 (5.512")	136.00 +0.00/-0.63	4.00 +0.00/-0.10	133.00	CCE-14000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A140X4, D1400-1400</i>	
140.00 (5.512")	136.00 +0.00/-0.63	5.00 +0.00/-0.12	133.00	CCE-14000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1400, AS140X5</i>	
142.00 (5.591")	138.00 +0.00/-0.63	4.00 +0.00/-0.10	135.00	CCE-14200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A142X4, D1400-1420</i>	
145.00 (5.709")	140.37 +0.00/-0.63	4.00 +0.00/-0.10	138.63	CCE-14500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A145X4, D1400-1450</i>	
145.00 (5.709")	141.00 +0.00/-0.63	5.00 +0.00/-0.12	138.00	CCE-14500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1450, AS145X5</i>	
146.05 (5.750")	137.57 +0.00/-0.18	3.18 +/-0.10	136.04	* CEB-14605-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0575, MIL-16630, Waldes 5102</i>	
146.05 (5.750")	139.83 +/-0.176	3.18 +/-0.102	137.06	CCE-14605-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0575</i>	
146.05 (5.750")	139.83 +/-0.176	3.18 +/-0.102	137.10	CCE-14605-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0575KSF</i>	
146.05 (5.750")	139.83 +/-0.176	3.18 +/-0.102	137.10	CCE-14605-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0575AZD</i>	
147.00 (5.787")	143.00 +0.00/-0.63	4.00 +0.00/-0.10	140.00	CCE-14700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A147X4, D1400-1470</i>	
148.00 (5.827")	143.37 +0.00/-0.63	4.00 +0.00/-0.10	140.63	CCE-14800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A148X4, D1400-1480</i>	
150.00 (5.906")	145.00 +0.00/-0.63	4.00 +0.00/-0.10	142.00	CCE-15000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A150X4, D1400-1500</i>	
150.00 (5.906")	145.00 +0.00/-0.63	4.00 +0.00/-0.10	142.00	CCE-15000-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless: A150X4-411, D1400-1500KSF</i>	
150.00 (5.906")	145.00 +0.00/-0.63	5.00 +0.00/-0.12	142.00	CCE-15000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1500, AS150X5</i>	
152.00 (5.984")	147.00 +0.00/-0.63	4.00 +0.00/-0.10	143.63	* CCE-15200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A152X4, D1400-1520</i>	
152.40 (6.000")	143.54 +0.00/-0.18	3.18 +/-0.10	142.01	* CEB-15240-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0600, MIL-16630, Waldes 5102</i>	
152.40 (6.000")	145.92 +/-0.176	3.18 +/-0.102	143.00	CCE-15240-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0600KSF</i>	
152.40 (6.000")	145.92 +/-0.176	3.18 +/-0.102	143.00	CCE-15240-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0600AZD</i>	
152.40 (6.000")	145.92 +/-0.176	3.18 +/-0.102	143.03	CCE-15240-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0600</i>	
155.00 (6.102")	149.37 +0.00/-0.63	4.00 +0.00/-0.10	146.63	CCE-15500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A155X4, D1400-1550</i>	
155.00 (6.102")	150.00 +0.00/-0.63	5.00 +0.00/-0.12	146.00	CCE-15500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1550, AS155X5</i>	
157.00 (6.181")	152.00 +0.00/-0.63	4.00 +0.00/-0.10	148.00	CCE-15700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A157X4, D1400-1570</i>	
158.00 (6.220")	153.00 +0.00/-0.63	4.00 +0.00/-0.10	148.00	CCE-15800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A158X4, D1400-1580</i>	
158.75 (6.250")	149.50 +0.00/-0.20	3.96 +/-0.13	147.73	* CEB-15875-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0625, MIL-16630, Waldes 5102</i>	
158.75 (6.250")	152.00 +/-0.204	3.18 +/-0.127	149.00	CCE-15875-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0625</i>	

Stocked or Short Delivery
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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
158.75 (6.250")	152.00 +/-0.204	3.18 +/-0.127	149.00	CCE-15875-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0625KSF	
158.75 (6.250")	152.00 +/-0.204	3.18 +/-0.127	149.00	CCE-15875-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0625AZD	
160.00 (6.299")	155.00 +0.00/-0.63	4.00 +0.00/-0.10	151.00	CCE-16000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A160X4, D1400-1600	
160.00 (6.299")	155.00 +0.00/-0.63	5.00 +0.00/-0.12	151.00	CCE-16000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1600, AS160X5	
162.00 (6.378")	157.00 +0.00/-0.63	4.00 +0.00/-0.10	152.50	CCE-16200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A162X4, D1400-1620	
165.00 (6.496")	159.37 +0.00/-0.63	4.00 +0.00/-0.10	156.13	CCE-16500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A165X4, D1400-1650	
165.00 (6.496")	160.00 +0.00/-0.63	5.00 +0.00/-0.12	155.50	CCE-16500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1650, AS165X5	
165.10 (6.500")	155.45 +0.00/-0.20	3.96 +/-0.13	153.67	* CEB-16510-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0650, MIL-16630, Waldes 5102	
165.10 (6.500")	158.10 +/-0.204	3.96 +/-0.127	154.90	CCE-16510-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0650	
165.10 (6.500")	158.10 +/-0.204	3.96 +/-0.127	154.90	CCE-16510-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0650KSF	
165.10 (6.500")	158.10 +/-0.204	3.96 +/-0.127	154.90	CCE-16510-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0650AZD	
167.00 (6.575")	162.00 +0.00/-0.63	4.00 +0.00/-0.10	157.50	CCE-16700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A167X4, D1400-1670	
168.00 (6.614")	162.00 +0.00/-0.63	4.00 +0.00/-0.10	158.13	* CCE-16800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A168X4, D1400-1680	
170.00 (6.693")	165.00 +0.00/-0.63	4.00 +0.00/-0.10	160.50	CCE-17000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A170X4, D1400-1700	
170.00 (6.693")	165.00 +0.00/-0.63	5.00 +0.00/-0.12	160.50	CCE-17000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1700, AS170X5	
171.45 (6.750")	161.42 +0.00/-0.20	3.96 +/-0.13	159.64	* CEB-17145-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0675, MIL-16630, Waldes 5102	
171.45 (6.750")	164.20 +/-0.204	3.96 +/-0.127	160.90	CCE-17145-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0675	
171.45 (6.750")	164.20 +/-0.204	3.96 +/-0.127	160.90	CCE-17145-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0675AZD	
172.00 (6.772")	167.00 +0.00/-0.63	4.00 +0.00/-0.10	160.50	CCE-17200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A172X4, D1400-1720	
175.00 (6.890")	169.37 +0.00/-0.63	4.00 +0.00/-0.10	166.13	CCE-17500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A175X4, D1400-1750	
175.00 (6.890")	170.00 +0.00/-0.63	5.00 +0.00/-0.12	165.50	CCE-17500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1750, AS175X5	
176.00 (6.929")	171.00 +0.00/-0.63	4.00 +0.00/-0.10	167.13	* CCE-17600-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A176X4, D1400-1760	
177.00 (6.969")	172.00 +0.00/-0.63	4.00 +0.00/-0.10	167.50	CCE-17700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A177X4, D1400-1770	
177.80 (7.000")	167.39 +0.00/-0.20	3.96 +/-0.13	165.61	* CEB-17780-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0700, MIL-16630, Waldes 5102	
177.80 (7.000")	170.30 +/-0.204	4.00 +/-0.127	166.90	CCE-17780-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0700	
177.80 (7.000")	170.30 +/-0.204	4.00 +/-0.127	166.90	CCE-17780-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0700AZD	
178.00 (7.008")	173.00 +0.00/-0.63	4.00 +0.00/-0.10	171.13	* CCE-17800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A178X4, D1400-1780	
180.00 (7.087")	175.00 +0.00/-0.63	4.00 +0.00/-0.10	170.50	CCE-18000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A180X4, D1400-1800	
180.00 (7.087")	175.00 +0.00/-0.63	5.00 +0.00/-0.12	170.50	CCE-18000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1800, AS180X5	
182.00 (7.165")	177.00 +0.00/-0.63	4.00 +0.00/-0.10	170.50	CCE-18200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A182X4, D1400-1820	
184.15 (7.250")	176.30 +/-0.204	4.80 +/-0.127	172.10	CCE-18415-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0725	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
185.00 (7.283")	179.37 +0.00/-0.63	4.00 +0.00/-0.10	176.13	CCE-18500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A185X4, D1400-1850</i>	
185.00 (7.283")	180.00 +0.00/-0.63	5.00 +0.00/-0.12	175.50	CCE-18500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1850, AS185X5</i>	
186.00 (7.323")	181.00 +0.00/-0.72	4.00 +0.00/-0.10	177.13	* CCE-18600-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A186X4, D1400-1860</i>	
187.00 (7.362")	182.00 +0.00/-0.63	4.00 +0.00/-0.10	177.50	CCE-18700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A187X4, D1400-1870</i>	
188.00 (7.402")	183.00 +0.00/-0.63	4.00 +0.00/-0.10	177.50	CCE-18800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A188X4, D1400-1880</i>	
190.00 (7.480")	185.00 +0.00/-0.63	4.00 +0.00/-0.10	180.50	CCE-19000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A190X4, D1400-1900</i>	
190.00 (7.480")	185.00 +0.00/-0.72	5.00 +0.00/-0.12	180.50	CCE-19000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1900, AS190X5</i>	
190.50 (7.500")	179.30 +0.00/-0.20	4.75 +/-0.13	177.27	* CEB-19050-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0750, MIL-16630, Waldes 5102</i>	
190.50 (7.500")	182.40 +/-0.204	4.75 +/-0.127	178.00	CCE-19050-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0750</i>	
190.50 (7.500")	182.40 +/-0.204	4.75 +/-0.127	178.00	CCE-19050-S42	Circlips - External - Standard - Stainless Steel <i>420 Stainless Steel: N1400-0750KSF</i>	
190.50 (7.500")	182.40 +/-0.204	4.75 +/-0.127	178.00	CCE-19050-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0750AZD</i>	
192.00 (7.559")	187.00 +0.00/-0.72	4.00 +0.00/-0.10	180.50	CCE-19200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A192X4, D1400-1920</i>	
195.00 (7.677")	190.00 +0.00/-0.72	4.00 +0.00/-0.10	186.22	* CCE-19500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A195X4, D1400-1950</i>	
195.00 (7.677")	190.00 +0.00/-0.72	5.00 +0.00/-0.12	185.50	CCE-19500H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1950, AS195X5</i>	
196.85 (7.750")	188.50 +/-0.204	4.80 +/-0.127	184.00	CCE-19685-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0775</i>	
196.85 (7.750")	188.50 +/-0.204	4.80 +/-0.127	184.00	CCE-19685-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0775AZD</i>	
197.00 (7.756")	192.00 +0.00/-0.72	4.00 +0.00/-0.10	187.50	CCE-19700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A197X4, D1400-1970</i>	
198.00 (7.795")	193.00 +0.00/-0.72	4.00 +0.00/-0.10	187.50	CCE-19800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A198X4, D1400-1980</i>	
200.00 (7.874")	194.28 +0.00/-0.72	4.00 +0.00/-0.10	191.22	CCE-20000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A200X4, D1400-2000</i>	
200.00 (7.874")	195.00 +0.00/-0.72	5.00 +0.00/-0.12	190.50	CCE-20000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-2000, AS200X5</i>	
202.00 (7.953")	196.00 +0.00/-0.72	5.00 +0.00/-0.10	190.00	CCE-20200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A202X5, D1400-2020</i>	
203.20 (8.000")	191.21 +0.00/-0.20	4.75 +/-0.13	189.18	* CEB-20320-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0800, MIL-16630, Waldes 5102</i>	
203.20 (8.000")	194.46 +/-0.204	4.75 +/-0.127	189.90	CCE-20320-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0800AZD</i>	
203.20 (8.000")	194.46 +/-0.204	4.75 +/-0.127	189.94	CCE-20320-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0800, A203X4.8</i>	
205.00 (8.071")	199.00 +0.00/-0.72	5.00 +0.00/-0.12	193.00	CCE-20500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A205X5, D1400-2050</i>	
207.00 (8.150")	201.00 +0.00/-0.72	5.00 +0.00/-0.12	193.00	CCE-20700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A207X5, D1400-2070</i>	
208.00 (8.189")	202.00 +0.00/-0.72	5.00 +0.00/-0.12	193.00	CCE-20800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A208X5, D1400-2080</i>	
209.55 (8.250")	200.70 +/-0.204	4.80 +/-0.127	195.90	CCE-20955-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0825</i>	
209.55 (8.250")	200.70 +/-0.204	4.80 +/-0.127	195.90	CCE-20955-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0825AZD</i>	
210.00 (8.268")	203.19 +0.00/-0.72	5.00 +0.00/-0.12	198.72	CCE-21000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A210X5, D1400-2100</i>	
212.00 (8.346")	206.00 +0.00/-0.72	5.00 +0.00/-0.12	198.00	CCE-21200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A212X5, D1400-2120</i>	

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

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
215.00 (8.465")	208.28 +0.00/-0.72	5.00 +0.00/-0.12	203.72	CCE-21500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A215X5, D1400-2150	
215.90 (8.500")	203.12 +0.00/-0.20	4.75 +/-0.13	201.09	* CEB-21590-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0850, MIL-16630, Waldes 5102	
215.90 (8.500")	206.80 +/-0.204	4.75 +/-0.127	201.90	CCE-21590-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0850	
215.90 (8.500")	206.80 +/-0.204	4.75 +/-0.127	201.90	CCE-21590-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0850AZD	
217.00 (8.543")	211.00 +0.00/-0.72	5.00 +0.00/-0.12	203.00	CCE-21700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A217X5, D1400-2170	
218.00 (8.583")	212.00 +0.00/-0.72	5.00 +0.00/-0.12	203.00	CCE-21800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A218X5, D1400-2180	
220.00 (8.661")	214.00 +0.00/-0.72	5.00 +0.00/-0.12	208.00	CCE-22000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A220X5, D1400-2200	
222.00 (8.740")	216.00 +0.00/-0.72	5.00 +0.00/-0.12	208.00	CCE-22200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A222X5, D1400-2220	
222.25 (8.750")	212.90 +/-0.204	4.80 +/-0.127	207.80	CCE-22225-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0875	
222.25 (8.750")	212.90 +/-0.204	4.80 +/-0.127	207.80	CCE-22225-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0875AZD	
225.00 (8.858")	219.00 +0.00/-0.72	5.00 +0.00/-0.12	213.72	* CCE-22500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A225X5, D1400-2250	
227.00 (8.937")	221.00 +0.00/-0.72	5.00 +0.00/-0.12	213.00	CCE-22700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A227X5, D1400-2270	
228.00 (8.976")	222.00 +0.00/-0.72	5.00 +0.00/-0.12	213.00	CCE-22800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A228X5, D1400-2280	
228.60 (9.000")	215.01 +0.00/-0.20	4.75 +/-0.13	212.98	* CEB-22860-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0900, MIL-16630, Waldes 5102	
228.60 (9.000")	219.00 +/-0.204	4.75 +/-0.127	213.70	CCE-22860-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0900	
228.60 (9.000")	219.00 +/-0.204	4.75 +/-0.127	213.70	CCE-22860-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0900AZD	
230.00 (9.055")	224.00 +0.00/-0.72	5.00 +0.00/-0.12	218.00	CCE-23000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A230X5, D1400-2300	
232.00 (9.134")	226.00 +0.00/-0.72	5.00 +0.00/-0.12	218.00	CCE-23200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A232X5, D1400-2320	
234.95 (9.250")	225.00 +/-0.204	4.80 +/-0.127	219.70	CCE-23495-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0925	
235.00 (9.252")	229.00 +0.00/-0.72	5.00 +0.00/-0.12	223.00	CCE-23500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A235X5, D1400-2350	
237.00 (9.331")	231.00 +0.00/-0.72	5.00 +0.00/-0.12	223.00	CCE-23700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A237X5, D1400-2370	
238.00 (9.370")	232.00 +0.00/-0.72	5.00 +0.00/-0.12	223.00	CCE-23800-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A238X5, D1400-2380	
240.00 (9.449")	234.00 +0.00/-0.72	5.00 +0.00/-0.12	228.00	CCE-24000-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A240X5, D1400-2400	
241.30 (9.500")	226.95 +0.00/-0.20	4.75 +/-0.13	224.92	* CEB-24130-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0950, MIL-16630, Waldes 5102	
241.30 (9.500")	231.10 +/-0.204	4.75 +/-0.127	225.70	CCE-24130-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0950	
241.30 (9.500")	231.10 +/-0.204	4.75 +/-0.127	225.70	CCE-24130-S42	Circlips - External - Standard - Stainless Steel 420 Stainless Steel: N1400-0950KSF	
241.30 (9.500")	231.10 +/-0.204	4.75 +/-0.127	225.70	CCE-24130-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0950AZD	
242.00 (9.528")	236.00 +0.00/-0.72	5.00 +0.00/-0.12	228.00	CCE-24200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A242X5, D1400-2420	
245.00 (9.646")	239.00 +0.00/-0.72	5.00 +0.00/-0.12	233.00	CCE-24500-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A245X5, D1400-2450	
247.00 (9.724")	241.00 +0.00/-0.72	5.00 +0.00/-0.12	233.00	CCE-24700-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A247X5, D1400-2470	
247.65 (9.750")	237.20 +/-0.204	4.80 +/-0.127	231.70	CCE-24765-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0975	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
248.00 (9.764")	242.00 +0.00/-0.72	5.00 +0.00/-0.12	233.00	CCE-24800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A248X5, D1400-2480</i>	
250.00 (9.843")	243.19 +0.00/-0.72	5.00 +0.00/-0.12	238.72	CCE-25000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A250X5, D1400-2500</i>	
252.00 (9.921")	244.00 +0.00/-0.72	5.00 +0.00/-0.12	238.00	CCE-25200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A252X5, D1400-2520</i>	
254.00 (10.000")	238.89 +0.00/-0.20	4.75 +/-0.13	236.86	* CEB-25400-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-1000, MIL-16630, Waldes 5102</i>	
254.00 (10.000")	243.18 +/-0.204	4.75 +/-0.127	237.60	CCE-25400-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-1000</i>	
255.00 (10.039")	246.28 +0.00/-0.72	5.00 +0.00/-0.12	240.72	CCE-25500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A255X5, D1400-2550</i>	
257.00 (10.118")	249.00 +0.00/-0.72	5.00 +0.00/-0.12	240.00	CCE-25700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A257X5, D1400-2570</i>	
258.00 (10.157")	250.00 +0.00/-0.72	5.00 +0.00/-0.12	240.00	CCE-25800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A258X5, D1400-2580</i>	
260.00 (10.236")	251.19 +0.00/-0.81	5.00 +0.00/-0.12	245.72	CCE-26000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A260X5, D1400-2600</i>	
262.00 (10.315")	254.00 +0.00/-0.81	5.00 +0.00/-0.12	245.00	CCE-26200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A262X5, D1400-2620</i>	
265.00 (10.433")	257.00 +0.00/-0.81	5.00 +0.00/-0.12	250.00	CCE-26500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A265X5, D1400-2650</i>	
267.00 (10.512")	259.00 +0.00/-0.81	5.00 +0.00/-0.12	250.00	CCE-26700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A267X5, D1400-2670</i>	
268.00 (10.551")	260.00 +0.00/-0.81	5.00 +0.00/-0.12	250.00	CCE-26800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A268X5, D1400-2680</i>	
270.00 (10.630")	262.00 +0.00/-0.81	5.00 +0.00/-0.12	255.00	CCE-27000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A270X5, D1400-2700</i>	
272.00 (10.709")	264.00 +0.00/-0.81	5.00 +0.00/-0.12	255.00	CCE-27200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A272X5, D1400-2720</i>	
275.00 (10.827")	267.00 +0.00/-0.81	5.00 +0.00/-0.12	260.00	CCE-27500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A275X5, D1400-2750</i>	
277.00 (10.906")	269.00 +0.00/-0.81	5.00 +0.00/-0.12	260.00	CCE-27700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A277X5, D1400-2770</i>	
278.00 (10.945")	270.00 +0.00/-0.81	5.00 +0.00/-0.12	260.00	CCE-27800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A278X5, D1400-2780</i>	
280.00 (11.024")	271.19 +0.00/-0.81	5.00 +0.00/-0.12	265.81	CCE-28000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A280X5, D1400-2800</i>	
282.00 (11.102")	274.00 +0.00/-0.81	5.00 +0.00/-0.12	265.00	CCE-28200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A282X5, D1400-2820</i>	
285.00 (11.220")	277.00 +0.00/-0.81	5.00 +0.00/-0.12	270.00	CCE-28500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A285X5, D1400-2850</i>	
287.00 (11.299")	279.00 +0.00/-0.81	5.00 +0.00/-0.12	270.00	CCE-28700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A287X5, D1400-2870</i>	
288.00 (11.339")	280.00 +0.00/-0.81	5.00 +0.00/-0.12	270.00	CCE-28800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A288X5, D1400-2880</i>	
290.00 (11.417")	281.19 +0.00/-0.81	5.00 +0.00/-0.12	275.81	CCE-29000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A290X5, D1400-2900</i>	
292.00 (11.496")	284.00 +0.00/-0.81	5.00 +0.00/-0.12	275.00	CCE-29200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A292X5, D1400-2920</i>	
295.00 (11.614")	287.00 +0.00/-0.81	5.00 +0.00/-0.12	280.00	CCE-29500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A295X5, D1400-2950</i>	
297.00 (11.693")	289.00 +0.00/-0.81	5.00 +0.00/-0.12	280.00	CCE-29700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A297X5, D1400-2970</i>	
298.00 (11.732")	290.00 +0.00/-0.81	5.00 +0.00/-0.12	280.00	CCE-29800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A298X5, D1400-2980</i>	
300.00 (11.811")	291.19 +0.00/-0.81	5.00 +0.00/-0.12	285.81	CCE-30000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A300X5, D1400-3000</i>	
305.00 (12.008")	295.00 +0.00/-0.81	6.00 +0.00/-0.15	288.00	CCE-30500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A305X6, D1400-3050</i>	
310.00 (12.205")	300.00 +0.00/-0.81	6.00 +0.00/-0.15	293.00	CCE-31000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A310X6, D1400-3100</i>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
315.00 (12.402")	305.00 <i>+0.00/-0.81</i>	6.00 <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")	309.19 <i>+0.00/-0.81</i>	6.00 <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")	315.00 <i>+0.00/-0.89</i>	6.00 <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")	319.11 <i>+0.00/-0.89</i>	6.00 <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")	325.00 <i>+0.00/-0.89</i>	6.00 <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")	330.00 <i>+0.00/-0.89</i>	6.00 <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")	335.00 <i>+0.00/-0.89</i>	6.00 <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")	340.00 <i>+0.00/-0.89</i>	6.00 <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")	345.00 <i>+0.00/-0.89</i>	6.00 <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")	349.11 <i>+0.00/-0.89</i>	6.00 <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")	355.00 <i>+0.00/-0.89</i>	6.00 <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")	360.00 <i>+0.00/-0.89</i>	6.00 <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")	365.00 <i>+0.00/-0.89</i>	6.00 <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")	369.11 <i>+0.00/-0.89</i>	6.00 <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")	375.00 <i>+0.00/-0.89</i>	6.00 <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")	380.00 <i>+0.00/-0.89</i>	6.00 <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")	385.00 <i>+0.00/-0.89</i>	6.00 <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")	390.00 <i>+0.00/-0.89</i>	6.00 <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")	398.00 <i>+0.00/-0.89</i>	7.00 <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")	408.00 <i>+0.00/-1.00</i>	7.00 <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")	418.00 <i>+0.00/-1.00</i>	7.00 <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")	428.00 <i>+0.00/-1.00</i>	7.00 <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")	438.00 <i>+0.00/-1.00</i>	7.00 <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")	448.00 <i>+0.00/-1.00</i>	7.00 <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")	458.00 <i>+0.00/-1.00</i>	7.00 <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")	468.00 <i>+0.00/-1.00</i>	7.00 <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")	478.00 <i>+0.00/-1.00</i>	7.00 <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")	488.00 <i>+0.00/-1.00</i>	7.00 <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")	496.00 <i>+0.00/-1.00</i>	8.00 <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")	506.00 <i>+0.00/-1.00</i>	8.00 <i>+0.00/-0.15</i>	495.00	CCE-52000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A520X8, D1400-5200</i>	
530.00 (20.866")	516.00 <i>+0.00/-1.00</i>	8.00 <i>+0.00/-0.15</i>	505.00	CCE-53000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A530X8, D1400-5300</i>	

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Circlips - External						
Shaft Diameter (Ds) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Loose Circlip ID (A) (mm)	Part Number	Description	
540.00 (21.260")	526.00 +0.00/-1.00	8.00 +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")	536.00 +0.00/-1.00	8.00 +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")	546.00 +0.00/-1.00	8.00 +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")	556.00 +0.00/-1.00	8.00 +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")	566.00 +0.00/-1.00	8.00 +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")	576.00 +0.00/-1.00	8.00 +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")	586.00 +0.00/-1.00	8.00 +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")	634.00 +0.00/-1.00	9.00 +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")	684.00 +0.00/-1.00	9.00 +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")	732.00 +0.00/-1.00	9.00 +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")	782.00 +0.00/-1.00	9.00 +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")	830.00 +0.00/-1.00	9.00 +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")	880.00 +0.00/-1.00	9.00 +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")	928.00 +0.00/-1.00	9.00 +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 (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
6.35 (0.250")	6.81 +/-0.025	0.31 +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")	6.81 +/-0.025	0.31 +0.00/-0.05	7.11	CCI-00635-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0025AZD, Ellison 9000, MIL-16625</i>	
6.35 (0.250")	6.81 +/-0.025	0.31 +0.00/-0.05	7.11	CCI-00635-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless Steel: N1300-0025BDS, A 9Y28-25</i>	
7.94 (0.313")	8.38 +/-0.025	0.31 +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")	8.38 +/-0.025	0.31 +0.00/-0.05	8.79	CCI-00794-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0031AZD, Ellison 9000, MIL-16625</i>	
7.94 (0.313")	8.38 +/-0.025	0.31 +0.00/-0.05	8.79	CCI-00794-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless Steel: N1300-0031BDS, A 9Y28-31</i>	
8.00 (0.315")	8.40 +0.09/-0.00	0.80 +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")	8.40 +0.09/-0.00	0.80 +0.00/-0.05	8.70	CCI-00800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J8X0.8-411, D1300-0080KSF</i>	
9.00 (0.354")	9.40 +0.09/-0.00	0.80 +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")	9.40 +0.09/-0.00	0.80 +0.00/-0.05	9.80	CCI-00900-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J9X0.8-411, D1300-0090KSF</i>	
9.53 (0.375")	10.08 +/-0.050	0.64 +0.00/-0.05	10.54	CCI-00953-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0037AZD, Ellison 9000, MIL-16625</i>	
9.53 (0.375")	10.08 +/-0.050	0.64 +0.00/-0.05	10.54	CCI-00953-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless Steel: N1300-0037BDS, A 9Y28-37</i>	
9.53 (0.375")	10.08 +/-0.050	0.64 +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>	
10.00 (0.394")	10.40 +0.11/-0.00	1.00 +0.00/-0.06	10.80	CCI-01000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J10X1, D1300-0100APP</i>	

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Circlips - Internal

Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description
10.00 (0.394")	10.40 +0.11/-0.00	1.00 +0.00/-0.06	10.80	CCI-01000-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J10X1-411, D1300-0100KSF
10.00 (0.394")	10.50 +0.11/-0.00	0.60 +0.00/-0.05	10.90	* CCI-01000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0100, Ellison INTV, Seeger JV
11.00 (0.433")	11.40 +0.11/-0.00	1.00 +0.00/-0.06	11.80	CCI-01100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J11X1, D1300-0110APP
11.00 (0.433")	11.40 +0.11/-0.00	1.00 +0.00/-0.06	11.80	CCI-01100-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J11X1-411, D1300-0110KSF
11.11 (0.437")	11.71 +/-0.050	0.64 +0.00/-0.06	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")	11.71 +/-0.050	0.64 +0.00/-0.06	12.24	CCI-01111-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0043AZD, Ellison 9000, MIL-16625
11.11 (0.437")	11.71 +/-0.050	0.64 +0.00/-0.06	12.24	CCI-01111-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0043BDS, Ellison 9000, MIL-16625
11.51 (0.453")	12.12 +/-0.050	0.64 +0.00/-0.06	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")	12.12 +/-0.050	0.64 +0.00/-0.06	12.65	CCI-01151-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0045AZD, Ellison 9000, MIL-16625
11.51 (0.453")	12.12 +/-0.050	0.64 +0.00/-0.06	12.65	CCI-01151-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0045BDS, Ellison 9000, MIL-16625
12.00 (0.472")	12.50 +0.11/-0.00	1.00 +0.00/-0.06	13.00	CCI-01200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J12X1, D1300-0120APP
12.00 (0.472")	12.50 +0.11/-0.00	1.00 +0.00/-0.06	13.00	CCI-01200-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J12X1-411, D1300-0120KSF
12.00 (0.472")	12.60 +0.11/-0.00	0.60 +0.00/-0.05	13.10	* CCI-01200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0120, Ellison INTV, Seeger JV
12.70 (0.500")	13.46 +/-0.050	0.89 +0.00/-0.06	13.92	CCI-01270-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0050AZD, Ellison 9000, MIL-16625
12.70 (0.500")	13.46 +/-0.050	0.89 +0.00/-0.06	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")	13.46 +/-0.050	0.89 +0.00/-0.06	13.92	CCI-01270-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless Steel: N1300-0050BDS, A 9Y28-50
12.95 (0.510")	13.72 +/-0.050	0.89 +0.00/-0.06	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")	13.72 +/-0.050	0.89 +0.00/-0.06	14.22	CCI-01295-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0051BDS, Ellison 9000, MIL-16625
13.00 (0.512")	13.60 +0.11/-0.00	1.00 +0.00/-0.06	14.10	CCI-01300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J13X1, D1300-0130APP
13.00 (0.512")	13.60 +0.11/-0.00	1.00 +0.00/-0.06	14.10	CCI-01300-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J13X1-411, D1300-0130KSF
14.00 (0.551")	14.60 +0.11/-0.00	1.00 +0.00/-0.06	15.10	CCI-01400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J14X1, D1300-0140APP
14.00 (0.551")	14.60 +0.11/-0.00	1.00 +0.00/-0.06	15.10	CCI-01400-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J14X1-411, D1300-0140KSF
14.29 (0.563")	15.14 +/-0.050	0.89 +0.00/-0.06	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")	15.14 +/-0.050	0.89 +0.00/-0.06	15.75	CCI-01429-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0056AZD, Ellison 9000, MIL-16625
14.29 (0.563")	15.14 +/-0.050	0.89 +0.00/-0.06	15.75	CCI-01429-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0056BDS, Ellison 9000, MIL-16625
15.00 (0.591")	15.70 +0.11/-0.00	0.80 +0.00/-0.05	16.10	* CCI-01500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0150, Ellison INTV, Seeger JV
15.00 (0.591")	15.70 +0.11/-0.00	1.00 +0.00/-0.06	16.20	CCI-01500-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J15X1, D1300-0150APP
15.00 (0.591")	15.70 +0.11/-0.00	1.00 +0.00/-0.06	16.20	CCI-01500-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J15X1-411, D1300-0150KSF
15.88 (0.625")	16.89 +/-0.050	0.64 +/-0.052	17.63	CCI-01588-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0062, Waldes 5008, MIL 16627
15.88 (0.625")	16.89 +/-0.050	0.89 +0.00/-0.06	17.63	CCI-01588-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0062APP, Ellison 9000, MIL-16625



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal

Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description
15.88 (0.625")	16.89 +/-0.050	0.89 +0.00/-0.06	17.63	CCI-01588-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0062AZD, Ellison 9000, MIL-16625</i>
15.88 (0.625")	16.89 +/-0.050	0.89 +0.00/-0.06	17.63	CCI-01588-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0062BDS, Ellison 9000, MIL-16625</i>
16.00 (0.630")	16.80 +0.11/-0.00	1.00 +0.00/-0.06	17.30	CCI-01600-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0160, Ellison INTV, Seeger JV</i>
16.00 (0.630")	16.80 +0.11/-0.00	1.00 +0.00/-0.06	17.30	CCI-01600-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J16X1, D1300-0160APP</i>
16.00 (0.630")	16.80 +0.11/-0.00	1.00 +0.00/-0.06	17.30	CCI-01600-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J16X1-411, D1300-0160KSF</i>
17.00 (0.669")	17.80 +0.13/-0.00	1.00 +0.00/-0.06	18.30	CCI-01700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J17X1, D1300-0170APP</i>
17.00 (0.669")	17.80 +0.13/-0.00	1.00 +0.00/-0.06	18.30	CCI-01700-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J17X1-411, D1300-0170KSF</i>
17.00 (0.669")	17.80 +0.11/-0.00	1.00 +0.00/-0.06	18.30	* CCI-01700-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0170, Ellison INTV, Seeger JV</i>
17.46 (0.687")	18.59 +/-0.050	0.89 +0.00/-0.06	19.38	CCI-01746-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0068APP, Ellison 9000, MIL-16625</i>
17.46 (0.687")	18.59 +/-0.050	0.89 +0.00/-0.06	19.38	CCI-01746-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0068AZD, Ellison 9000, MIL-16625</i>
17.46 (0.687")	18.59 +/-0.050	0.89 +0.00/-0.06	19.38	CCI-01746-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0068BDS, Ellison 9000, MIL-16625</i>
18.00 (0.709")	19.00 +0.13/-0.00	1.00 +0.00/-0.06	19.50	CCI-01800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J18X1, D1300-0180APP</i>
18.00 (0.709")	19.00 +0.15/-0.00	1.00 +0.00/-0.06	19.50	CCI-01800-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0180, Ellison INTV, Seeger JV</i>
18.00 (0.709")	19.00 +0.13/-0.00	1.00 +0.00/-0.06	19.50	CCI-01800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J18X1-411, D1300-0180KSF</i>
19.00 (0.748")	20.00 +0.15/-0.00	1.00 +0.00/-0.06	20.50	CCI-01900-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0190, Ellison INTV, Seeger JV</i>
19.00 (0.748")	20.00 +0.13/-0.00	1.00 +0.00/-0.06	20.50	CCI-01900-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J19X1, D1300-0190APP</i>
19.00 (0.748")	20.00 +0.13/-0.00	1.00 +0.00/-0.06	20.50	CCI-01900-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J19X1-411, D1300-0190KSF</i>
19.05 (0.750")	20.22 +/-0.050	0.89 +0.00/-0.06	21.11	CCI-01905-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0075APP, Ellison 9000, MIL-16625</i>
19.05 (0.750")	20.22 +/-0.050	0.89 +0.00/-0.06	21.11	CCI-01905-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0075AZD, Ellison 9000, MIL-16625</i>
19.05 (0.750")	20.22 +/-0.050	0.89 +0.00/-0.06	21.11	CCI-01905-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless Steel: N1300-0075BDS, A 9Y28-75</i>
19.05 (0.750")	20.22 +/-0.050	0.89 +/-0.052	21.11	* CCI-01905-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0075, Waldeas 5008, MIL 16627</i>
19.74 (0.777")	20.96 +/-0.075	1.07 +0.00/-0.06	21.82	CCI-01974-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0077APP, Ellison 9000, MIL-16625</i>
19.74 (0.777")	20.96 +/-0.075	1.07 +0.00/-0.06	21.82	CCI-01974-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0077AZD, Ellison 9000, MIL-16625</i>
19.74 (0.777")	20.96 +/-0.075	1.07 +0.00/-0.06	21.82	CCI-01974-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0077BDS, Ellison 9000, MIL-16625</i>
20.00 (0.787")	21.00 +0.13/-0.00	1.00 +0.00/-0.06	21.50	CCI-02000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J20X1, D1300-0200APP</i>
20.00 (0.787")	21.00 +0.15/-0.00	1.00 +0.00/-0.06	21.63	CCI-02000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0200, Ellison INTV, Seeger JV</i>
20.00 (0.787")	21.00 +0.13/-0.00	1.00 +0.00/-0.06	21.50	CCI-02000-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J20X1-411, D1300-0200KSF</i>
20.00 (0.787")	21.00 +0.15/-0.00	1.50 +0.00/-0.06	21.50	* CCI-02000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0200, JS20X2</i>
20.64 (0.813")	21.89 +/-0.075	1.07 +0.00/-0.06	22.89	CCI-02064-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0081APP, Ellison 9000, MIL-16625</i>
20.64 (0.813")	21.89 +/-0.075	1.07 +0.00/-0.06	22.89	CCI-02064-CZY	Circlips - Internal - Standard - Stainless Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0081AZD, Ellison 9000, MIL-16625</i>



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
20.64 (0.813")	21.89 +/-0.075	1.07 +0.00/-0.06	22.89	CCI-02064-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0081BDS, Ellison 9000, MIL-16625	
20.64 (0.813")	21.89 +/-0.076	1.07 +/-0.052	22.89	CCI-02063-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0081, Waldes 5008, MIL 16627	
21.00 (0.827")	22.00 +0.13/-0.00	1.00 +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")	22.00 +0.13/-0.00	1.00 +0.00/-0.06	22.50	CCI-02100-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J21X1-411, D1300-0210KSF	
21.00 (0.827")	22.00 +0.15/-0.00	1.00 +0.00/-0.06	22.50	* CCI-02100-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0210, Ellison INTV, Seeger JV	
22.00 (0.866")	23.00 +0.15/-0.00	1.00 +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")	23.00 +/-0.075	1.00 +0.00/-0.06	23.50	CCI-02200N-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0086AZD, Ellison 9000, MIL-16625	
22.00 (0.866")	23.00 +/-0.075	1.00 +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")	23.00 +0.15/-0.00	1.00 +0.00/-0.06	23.50	* CCI-02200-S42-V	Circlips - Internal - Inverted Stainless Steel: M1308-0220KSF, Ellison INTV, Seeger JV	
22.00 (0.866")	23.00 +/-0.075	1.00 +0.00/-0.06	23.50	* CCI-02200N-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0086BDS, Ellison 9000, MIL-16625	
22.00 (0.866")	23.00 +0.15/-0.00	1.50 +0.00/-0.06	24.41	* CCI-02200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0220, JS22X2	
22.00 (0.866")	23.37 +0.13/-0.00	1.07 +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")	23.37 +0.13/-0.00	1.07 +0.00/-0.06	24.41	CCI-02200-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J22X1-411, D1300-0220KSF	
22.23 (0.875")	23.65 +/-0.075	1.07 +0.00/-0.06	24.66	CCI-02223-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0087AZD, Ellison 9000, MIL-16625	
22.23 (0.875")	23.65 +/-0.075	1.07 +0.00/-0.06	24.66	CCI-02223-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless Steel: N1300-0087BDS, A 9Y28-87	
22.23 (0.875")	23.65 +/-0.075	1.07 +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")	23.65 +/-0.076	1.07 +/-0.052	23.98	* CCI-02223-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0087, Waldes 5008, MIL 16627	
22.89 (0.901")	24.36 +/-0.075	1.07 +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")	24.36 +/-0.075	1.07 +0.00/-0.06	25.40	CCI-02289-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0090AZD, Ellison 9000, MIL-16625	
22.89 (0.901")	24.36 +/-0.075	1.07 +0.00/-0.06	25.40	CCI-02289-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless Steel: N1300-0090BDS, Ellison 9000, MIL-16625	
23.00 (0.906")	24.10 +0.21/-0.00	1.20 +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")	24.10 +0.21/-0.00	1.20 +0.00/-0.06	24.60	CCI-02300-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J23X1.2-411, D1300-0230KSF	
23.81 (0.937")	25.40 +/-0.075	1.07 +0.00/-0.06	26.44	CCI-02381-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0093AZD, Ellison 9000, MIL-16625	
23.81 (0.937")	25.40 +/-0.075	1.07 +0.00/-0.06	26.44	CCI-02381-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0093BDS, Ellison 9000, MIL-16625	
23.81 (0.937")	25.40 +/-0.075	1.07 +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")	25.40 +/-0.076	1.07 +/-0.052	26.44	CCI-02381-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0093, Waldes 5008, MIL 16627	
24.00 (0.945")	25.20 +0.21/-0.00	1.20 +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")	25.20 +0.21/-0.00	1.20 +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")	25.20 +0.21/-0.00	1.20 +0.00/-0.06	25.90	CCI-02400-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J24X1.2-411, D1300-0240KSF	
24.00 (0.945")	25.20 +0.21/-0.00	1.50 +0.00/-0.06	25.90	* CCI-02400H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0240, JS24X2	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal

Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description
25.00 (0.984")	26.20 +0.21/-0.00	1.20 +0.00/-0.06	26.90	CCI-02500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J25X1.2, D1300-0250APP</i>
25.00 (0.984")	26.20 +0.21/-0.00	1.20 +0.00/-0.06	26.90	CCI-02500-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J25X1.2-411, D1300-0250KSF</i>
25.00 (0.984")	26.20 +0.21/-0.00	1.20 +0.00/-0.06	26.90	* CCI-02500-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0250, Ellison INTV, Seeger JV</i>
25.00 (0.984")	26.20 +0.21/-0.00	1.50 +0.00/-0.06	26.90	CCI-02500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0250, JS25X2</i>
25.40 (1.000")	27.08 +/-0.075	1.07 +0.00/-0.06	28.22	CCI-02540-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0100, J1X.047IN</i>
25.40 (1.000")	27.08 +/-0.075	1.07 +0.00/-0.06	28.22	CCI-02540-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0100AZD, Ellison 9000, MIL-16625</i>
25.40 (1.000")	27.08 +/-0.075	1.07 +0.00/-0.06	28.22	CCI-02540-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless Steel: N1300-0100BDS, A 9Y28-100</i>
25.40 (1.000")	27.08 +/-0.076	1.07 +/-0.052	28.22	CCI-02540-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0100, Walde 5008, MIL 16627</i>
25.40 (1.000")	27.33 +0.08/-0.00	1.02 +/-0.05	27.97	* CIB-02540-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0100, MIL-16631, Ellison 9002</i>
25.98 (1.023")	27.71 +/-0.075	1.07 +0.00/-0.06	28.85	CCI-02598-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0102AZD, Ellison 9000, MIL-16625</i>
25.98 (1.023")	27.71 +/-0.075	1.07 +0.00/-0.06	28.85	CCI-02598-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0102APP, Ellison 9000, MIL-16625</i>
25.98 (1.023")	27.71 +/-0.075	1.07 +0.00/-0.06	28.85	CCI-02598-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0102BDS, Ellison 9000, MIL-16625</i>
25.98 (1.023")	27.97 +0.08/-0.00	1.02 +/-0.05	28.60	CIB-02598-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0102, MIL-16631, Ellison 9002</i>
26.00 (1.024")	27.20 +0.21/-0.00	1.20 +0.00/-0.06	27.90	CCI-02600-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J26X1.2, D1300-0260APP</i>
26.00 (1.024")	27.20 +0.21/-0.00	1.20 +0.00/-0.06	27.90	CCI-02600-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J26X1.2-411, D1300-0260KSF</i>
26.00 (1.024")	27.20 +0.21/-0.00	1.20 +0.00/-0.06	27.90	* CCI-02600-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0260, Ellison INTV, Seeger JV</i>
26.00 (1.024")	27.20 +0.21/-0.00	1.50 +0.00/-0.06	27.90	* CCI-02600H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0260, JS26X2</i>
26.99 (1.063")	28.70 +/-0.102	1.27 +0.00/-0.06	29.97	CCI-02699-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0106AZD, Ellison 9000, MIL-16625</i>
26.99 (1.063")	28.70 +/-0.102	1.27 +0.00/-0.06	29.97	CCI-02699-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0106APP, Ellison 9000, MIL-16625</i>
26.99 (1.063")	28.70 +/-0.102	1.27 +0.00/-0.06	29.97	CCI-02699-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0106BDS, Ellison 9000, MIL-16625</i>
26.99 (1.063")	28.70 +/-0.102	1.27 +/-0.052	29.97	CCI-02699-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0106, Walde 5008, MIL 16627</i>
26.99 (1.063")	28.91 +0.08/-0.00	1.22 +/-0.05	29.46	* CIB-02699-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0106, MIL-16631, Ellison 9002</i>
27.00 (1.063")	28.40 +0.21/-0.00	1.20 +0.00/-0.06	29.10	** CCI-02700-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0270, Ellison INTV, Seeger JV</i>
27.00 (1.063")	28.40 +0.21/-0.00	1.20 +0.00/-0.06	29.10	CCI-02700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J27X1.2, D1300-0270APP</i>
27.00 (1.063")	28.40 +0.21/-0.00	1.20 +0.00/-0.06	29.10	CCI-02700-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J27X1.2-411, D1300-0270KSF</i>
27.00 (1.063")	28.40 +0.21/-0.00	1.50 +0.00/-0.06	29.10	* CCI-02700H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0270, JS27X2</i>
28.00 (1.102")	29.40 +0.21/-0.00	1.20 +0.00/-0.06	29.65	CCI-02800-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0280, Ellison INTV, Seeger JV</i>
28.00 (1.102")	29.40 +0.21/-0.00	1.20 +0.00/-0.06	30.10	CCI-02800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J28X1.2, D1300-0280APP</i>
28.00 (1.102")	29.40 +0.21/-0.00	1.20 +0.00/-0.06	30.10	CCI-02800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J28X1.2-411, D1300-0280KSF</i>
28.00 (1.102")	29.40 +0.21/-0.00	1.50 +0.00/-0.06	30.10	* CCI-02800H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0280, JS28X2</i>



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
28.58 (1.125")	30.40 +/-0.102	1.27 +0.00/-0.06	31.72	CCI-02858-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0112APP, Ellison 9000, MIL-16625</i>	
28.58 (1.125")	30.40 +/-0.102	1.27 +0.00/-0.06	31.72	CCI-02858-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0112AZD, Ellison 9000, MIL-16625</i>	
28.58 (1.125")	30.40 +/-0.102	1.27 +0.00/-0.06	31.72	CCI-02858-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0112BDS, Ellison 9000, MIL-16625</i>	
28.58 (1.125")	30.40 +/-0.102	1.27 +/-0.052	31.72	CCI-02858-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0112, Waldes 5008, MIL 16627</i>	
28.58 (1.125")	30.61 +0.10/-0.00	1.22 +/-0.05	31.22	CIB-02858-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0112, MIL-16631, Ellison 9002</i>	
29.00 (1.142")	30.40 +0.25/-0.00	1.20 +0.00/-0.06	31.10	CCI-02900-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J29X1.2, D1300-0290APP</i>	
29.00 (1.142")	30.40 +0.25/-0.00	1.20 +0.00/-0.06	31.10	CCI-02900-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J29X1.2-411, D1300-0290KSF</i>	
30.00 (1.181")	31.40 +0.25/-0.00	1.20 +0.00/-0.06	32.10	CCI-03000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J30X1.2, D1300-0300APP</i>	
30.00 (1.181")	31.40 +0.25/-0.00	1.20 +0.00/-0.06	31.83	CCI-03000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0300, Ellison INTV, Seeger JV</i>	
30.00 (1.181")	31.40 +0.25/-0.00	1.20 +0.00/-0.06	32.10	CCI-03000-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J30X1.2-411, D1300-0300KSF</i>	
30.00 (1.181")	31.40 +0.25/-0.00	1.50 +0.00/-0.06	32.10	CCI-03000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0300, JS30X2</i>	
30.16 (1.187")	32.05 +/-0.102	1.27 +0.00/-0.06	33.50	CCI-03016-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0118APP, Ellison 9000, MIL-16625</i>	
30.16 (1.187")	32.05 +/-0.102	1.27 +0.00/-0.06	33.50	CCI-03016-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0118AZD, Ellison 9000, MIL-16625</i>	
30.16 (1.187")	32.05 +/-0.102	1.27 +0.00/-0.06	33.50	CCI-03016-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0118BDS, Ellison 9000, MIL-16625</i>	
30.16 (1.187")	32.05 +/-0.102	1.27 +/-0.052	33.50	CCI-03016-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0118, Waldes 5008, MIL 16627</i>	
30.16 (1.187")	32.31 +0.10/-0.00	1.22 +/-0.05	32.99	CIB-03016-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0118, MIL-16631, Ellison 9002</i>	
31.00 (1.220")	32.70 +0.25/-0.00	1.20 +0.00/-0.06	33.40	CCI-03100-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J31X1.2, D1300-0310APP</i>	
31.00 (1.220")	32.70 +0.25/-0.00	1.20 +0.00/-0.06	33.40	CCI-03100-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J31X1.2-411, D1300-0310KSF</i>	
31.75 (1.250")	33.72 +/-0.102	1.27 +0.00/-0.06	35.26	CCI-03175-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0125APP, Ellison 9000, MIL-16625</i>	
31.75 (1.250")	33.72 +/-0.102	1.27 +0.00/-0.06	35.26	CCI-03175-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0125BDS, Ellison 9000, MIL-16625</i>	
31.75 (1.250")	33.72 +/-0.102	1.27 +0.00/-0.06	35.26	CCI-03175-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0125AZD, Ellison 9000, MIL-16625</i>	
31.75 (1.250")	33.78 +/-0.102	1.27 +/-0.052	35.26	CCI-03175-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0125, Waldes 5008, MIL 16627</i>	
31.75 (1.250")	34.09 +0.10/-0.00	1.22 +/-0.05	34.75	* CIB-03175-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0125, MIL-16631, Ellison 9002</i>	
32.00 (1.260")	33.71 +0.25/-0.00	1.20 +0.00/-0.06	34.40	CCI-03200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J32X1.2, D1300-0320APP</i>	
32.00 (1.260")	33.71 +0.25/-0.00	1.20 +0.00/-0.06	34.40	CCI-03200-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J32X1.2-411, D1300-0320KSF</i>	
32.00 (1.260")	33.71 +0.25/-0.00	1.20 +0.00/-0.06	34.40	CCI-03200-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0320, Ellison INTV, Seeger JV</i>	
32.00 (1.260")	33.71 +0.25/-0.00	1.50 +0.00/-0.06	34.40	* CCI-03200H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0320, JS32X2</i>	
33.00 (1.299")	34.78 +0.25/-0.00	1.20 +0.00/-0.06	35.50	CCI-03300-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J33X1.2, D1300-0330APP</i>	
33.00 (1.299")	34.78 +0.25/-0.00	1.20 +0.00/-0.06	35.50	CCI-03300-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J33X1.2-411, D1300-0330KSF</i>	
33.00 (1.299")	34.78 +0.25/-0.00	1.20 +0.00/-0.06	35.50	* CCI-03300-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0330, Ellison INTV, Seeger JV</i>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
33.38 (1.314")	35.46 +/-0.102	1.27 +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")	35.46 +/-0.102	1.27 +0.00/-0.06	36.98	CCI-03338-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0131AZD, Ellison 9000, MIL-16625	
33.38 (1.314")	35.46 +/-0.102	1.27 +0.00/-0.06	36.98	CCI-03338-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0131BDS, Ellison 9000, MIL-16625	
33.38 (1.314")	35.46 +/-0.102	1.27 +/-0.052	36.10	CCI-03332-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0131, Walde 5008, MIL 16627	
33.38 (1.314")	35.76 +0.10/-0.00	1.22 +/-0.05	36.47	* CIB-03338-C	Circlips - Internal - Bevelled Spring Steel: N1302-0131, MIL-16631, Ellison 9002	
34.00 (1.339")	35.70 +0.25/-0.00	1.50 +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")	35.70 +0.25/-0.00	1.50 +0.00/-0.06	36.50	CCI-03400-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J34X1.5-411, D1300-0340KSF	
34.00 (1.339")	35.70 +0.25/-0.00	1.75 +0.00/-0.06	36.60	* CCI-03400H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0340, JS34X2	
34.93 (1.375")	37.11 +/-0.102	1.27 +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")	37.11 +/-0.102	1.27 +0.00/-0.06	38.76	CCI-03493-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0137AZD, Ellison 9000, MIL-16625	
34.93 (1.375")	37.11 +/-0.102	1.27 +0.00/-0.06	38.76	CCI-03493-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0137BDS, Ellison 9000, MIL-16625	
34.93 (1.375")	37.11 +/-0.102	1.27 +/-0.052	38.76	CCI-03493-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0137, Walde 5008, MIL 16627	
34.93 (1.375")	37.54 +0.10/-0.00	1.22 +/-0.05	38.25	CIB-03493-C	Circlips - Internal - Bevelled Spring Steel: N1302-0137, MIL-16631, Ellison 9002	
35.00 (1.378")	37.00 +0.25/-0.00	1.50 +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")	37.00 +0.25/-0.00	1.50 +0.00/-0.06	37.80	CCI-03500-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J35X1.5-411, D1300-0350KSF	
35.00 (1.378")	37.00 +0.25/-0.00	1.50 +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")	37.00 +0.25/-0.00	1.75 +0.00/-0.06	37.80	* CCI-03500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0350, JS35X2	
36.00 (1.417")	38.00 +0.25/-0.00	1.50 +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")	38.00 +0.25/-0.00	1.50 +0.00/-0.06	38.80	CCI-03600-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J36X1.5-411, D1300-0360KSF	
36.00 (1.417")	38.00 +0.25/-0.00	1.50 +0.00/-0.06	38.80	* CCI-03600-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0360, Ellison INTV, Seeger JV	
36.53 (1.438")	38.81 +/-0.102	1.27 +/-0.052	40.54	CCI-03653-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0143, Walde 5008, MIL 16627	
36.53 (1.438")	38.81 +/-0.102	1.27 +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")	38.81 +/-0.102	1.27 +0.00/-0.06	40.54	CCI-03653-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0143AZD, Ellison 9000, MIL-16625	
36.53 (1.438")	38.81 +/-0.102	1.27 +0.00/-0.06	40.54	CCI-03653-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0143BDS, Ellison 9000, MIL-16625	
36.53 (1.438")	39.17 +0.10/-0.00	1.22 +/-0.05	40.03	* CIB-03653-C	Circlips - Internal - Bevelled Spring Steel: N1302-0143, MIL-16631, Ellison 9002	
36.98 (1.456")	39.32 +/-0.102	1.27 +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	
36.98 (1.456")	39.67 +0.10/-0.00	1.22 +/-0.05	40.54	CIB-03698-C	Circlips - Internal - Bevelled Spring Steel: N1302-0145, MIL-16631, Ellison 9002	
37.00 (1.457")	39.00 +0.25/-0.00	1.50 +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")	39.00 +0.25/-0.00	1.50 +0.00/-0.06	39.80	CCI-03700-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J37X1.5-411, D1300-0370KSF	
37.00 (1.457")	39.00 +0.25/-0.00	1.75 +0.00/-0.06	39.80	* CCI-03700H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0370, JS37X2	

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

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal

Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description
38.00 (1.496")	40.00 +0.25/-0.00	1.50 +0.00/-0.06	40.80	CCI-03800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J38X1.5, D1300-0380APP</i>
38.00 (1.496")	40.00 +0.25/-0.00	1.50 +0.00/-0.06	40.80	CCI-03800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J38X1.5-411, D1300-0380KSF</i>
38.00 (1.496")	40.00 +0.25/-0.00	1.50 +0.00/-0.06	40.80	* CCI-03800-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0380, Ellison INTV, Seeger JV</i>
38.00 (1.496")	40.00 +0.25/-0.00	1.75 +0.00/-0.06	40.80	* CCI-03800H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0380, JS38X2</i>
38.10 (1.500")	40.49 +/-0.102	1.27 +0.00/-0.06	42.16	CCI-03810-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0150AZD, Ellison 9000, MIL-16625</i>
38.10 (1.500")	40.49 +/-0.102	1.27 +0.00/-0.06	42.16	CCI-03810-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0150APP, Ellison 9000, MIL-16625</i>
38.10 (1.500")	40.49 +/-0.102	1.27 +0.00/-0.06	42.16	CCI-03810-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0150BDS, Ellison 9000, MIL-16625</i>
38.10 (1.500")	40.49 +/-0.102	1.27 +/-0.052	42.16	CCI-03810-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0150, Waldes 5008, MIL 16627</i>
38.10 (1.500")	40.74 +0.10/-0.00	1.19 +/-0.08	41.81	CIB-03810-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0150, MIL-16631, Ellison 9002</i>
39.00 (1.535")	41.00 +0.25/-0.00	1.50 +0.00/-0.06	42.00	CCI-03900-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J39X1.5, D1300-0390APP</i>
39.67 (1.562")	42.11 +/-0.127	1.57 +0.00/-0.06	44.04	CCI-03967-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0156APP, Ellison 9000, MIL-16625</i>
39.67 (1.562")	42.11 +/-0.127	1.57 +0.00/-0.06	44.04	CCI-03967-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0156AZD, Ellison 9000, MIL-16625</i>
39.67 (1.562")	42.11 +/-0.127	1.57 +0.00/-0.06	44.04	CCI-03967-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0156BDS, Ellison 9000, MIL-16625</i>
39.67 (1.562")	42.11 +/-0.127	1.57 +/-0.076	44.04	CCI-03967-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0156, Waldes 5008, MIL 16627</i>
39.67 (1.562")	42.52 +0.13/-0.00	1.50 +/-0.08	43.41	CIB-03967-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0156, MIL-16631, Ellison 9002</i>
40.00 (1.575")	42.50 +0.25/-0.00	1.75 +0.00/-0.06	43.50	CCI-04000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J40X1.75, D1300-0400APP</i>
40.00 (1.575")	42.50 +0.25/-0.00	1.75 +0.00/-0.06	43.50	CCI-04000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0400, Ellison INTV, Seeger JV</i>
40.00 (1.575")	42.50 +0.25/-0.00	1.75 +0.00/-0.06	43.50	CCI-04000-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J40X1.75-411, D1300-0400KSF</i>
40.00 (1.575")	42.50 +0.25/-0.00	2.00 +0.00/-0.06	43.50	CCI-04000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0400, JS40X2</i>
40.01 (1.575")	42.85 +0.13/-0.00	1.50 +/-0.08	43.41	* CIB-04001-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0157, MIL-16631, Ellison 9002</i>
41.00 (1.614")	43.50 +0.25/-0.00	1.75 +0.00/-0.06	44.50	CCI-04100-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J41X1.75, D1300-0410APP</i>
41.00 (1.614")	43.50 +0.25/-0.00	1.75 +0.00/-0.06	44.50	CCI-04100-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J41X1.75-411, D1300-0410KSF</i>
41.28 (1.625")	43.82 +/-0.127	1.57 +0.00/-0.06	45.82	CCI-04128-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0162AZD, Ellison 9000, MIL-16625</i>
41.28 (1.625")	43.82 +/-0.127	1.57 +0.00/-0.06	45.82	CCI-04128-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0162APP, Ellison 9000, MIL-16625</i>
41.28 (1.625")	43.82 +/-0.127	1.57 +0.00/-0.06	45.82	CCI-04128-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0162BDS, Ellison 9000, MIL-16625</i>
41.28 (1.625")	43.82 +/-0.127	1.57 +/-0.076	45.82	CCI-04128-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0162, Waldes 5008, MIL 16627</i>
41.28 (1.625")	44.27 +0.13/-0.00	1.50 +/-0.08	45.19	CIB-04128-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0162, MIL-16631, Ellison 9002</i>
41.99 (1.653")	44.46 +/-0.127	1.57 +0.00/-0.06	46.61	CCI-04199-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0165APP, Ellison 9000, MIL-16625</i>
41.99 (1.653")	44.46 +/-0.127	1.57 +0.00/-0.06	46.61	CCI-04199-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0165BDS, Ellison 9000, MIL-16625</i>
41.99 (1.653")	45.03 +0.13/-0.00	1.50 +/-0.08	45.97	CIB-04199-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0165, MIL-16631, Ellison 9002</i>

Stocked or Short Delivery

Usually Available Short Delivery

Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal

Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description
42.00 (1.654")	44.45 +0.25/-0.00	1.75 +0.00/-0.06	45.50	CCI-04200-C	Circlips - Internal - Standard - Stainless Steel <i>Carbon Spring Steel. Phosphate and oil finish: J42X1.75, D1300-0420APP</i>
42.00 (1.654")	44.45 +0.25/-0.00	1.75 +0.00/-0.06	45.50	CCI-04200-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0420, Ellison INTV, Seeger JV</i>
42.00 (1.654")	44.45 +0.25/-0.00	1.75 +0.00/-0.06	45.50	CCI-04200-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J42X1.75-411, D1300-0420KSF</i>
42.00 (1.654")	44.45 +0.25/-0.00	2.00 +0.00/-0.06	45.50	CCI-04200H-C	Circlips - Internal - Standard - Stainless Steel <i>Carbon Spring Steel: D1360-0420, JS42X2</i>
42.86 (1.687")	45.52 +/-0.127	1.57 +0.00/-0.06	47.60	CCI-04286-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0168, Ellison 9000, MIL-16625</i>
42.86 (1.687")	45.52 +/-0.127	1.57 +0.00/-0.06	47.60	CCI-04286-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless Steel: N1300-0168BDS, Ellison 9000, MIL-16625</i>
42.86 (1.687")	45.52 +/-0.127	1.57 +/-0.076	47.60	CCI-04288-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0168, Waldes 5008, MIL 16627</i>
42.86 (1.687")	45.97 +0.13/-0.00	1.50 +/-0.08	46.96	* CIB-04286-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0168, MIL-16631, Ellison 9002</i>
43.00 (1.693")	45.50 +0.25/-0.00	1.75 +0.00/-0.06	46.50	CCI-04300-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J43X1.75, D1300-0430APP</i>
44.00 (1.732")	46.50 +0.25/-0.00	1.75 +0.00/-0.06	47.50	CCI-04400-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J44X1.75, D1300-0440APP</i>
44.45 (1.750")	47.19 +/-0.127	1.57 +0.00/-0.06	49.33	CCI-04445-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0175BDS, Ellison 9000, MIL-16625</i>
44.45 (1.750")	47.19 +/-0.127	1.57 +0.00/-0.06	49.33	CCI-04445-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0175APP, Ellison 9000, MIL-16625</i>
44.45 (1.750")	47.19 +/-0.127	1.57 +0.00/-0.06	49.33	CCI-04445-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0175AZD, Ellison 9000, MIL-16625</i>
44.45 (1.750")	47.19 +/-0.127	1.57 +/-0.076	49.33	CCI-04445-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0175, Waldes 5008, MIL 16627</i>
44.45 (1.750")	47.70 +0.13/-0.00	1.50 +/-0.08	48.69	CIB-04445-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0175, MIL-16631, Ellison 9002</i>
45.00 (1.772")	47.50 +0.25/-0.00	1.75 +0.00/-0.06	48.50	CCI-04500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J45X1.75, D1300-0450APP</i>
45.00 (1.772")	47.50 +0.25/-0.00	1.75 +0.00/-0.06	48.50	CCI-04500-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0450, Ellison INTV, Seeger JV</i>
45.00 (1.772")	47.50 +0.25/-0.00	1.75 +0.00/-0.06	48.50	CCI-04500-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J45X1.75-411, D1300-0450KSF</i>
45.00 (1.772")	47.50 +0.25/-0.00	2.00 +0.00/-0.07	48.50	* CCI-04500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0450, JS45X2</i>
46.00 (1.811")	48.50 +0.25/-0.00	1.75 +0.00/-0.06	49.50	CCI-04600-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J46X1.75, D1300-0460APP</i>
46.04 (1.813")	48.82 +/-0.127	1.57 +0.00/-0.06	51.10	CCI-04604-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0181APP, Ellison 9000, MIL-16625</i>
46.04 (1.813")	48.82 +/-0.127	1.57 +0.00/-0.06	51.10	CCI-04604-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0181AZD, Ellison 9000, MIL-16625</i>
46.04 (1.813")	48.82 +/-0.127	1.57 +0.00/-0.06	51.10	CCI-04604-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0181BDS, Ellison 9000, MIL-16625</i>
46.04 (1.813")	49.38 +0.13/-0.00	1.50 +/-0.08	50.47	* CIB-04604-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0181, MIL-16631, Ellison 9002</i>
46.99 (1.850")	49.83 +/-0.127	1.57 +0.00/-0.06	52.17	CCI-04699-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0185APP, Ellison 9000, MIL-16625</i>
46.99 (1.850")	49.83 +/-0.127	1.57 +0.00/-0.06	52.17	CCI-04699-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0185BDS, Ellison 9000, MIL-16625</i>
46.99 (1.850")	50.39 +0.13/-0.00	1.50 +/-0.08	51.54	CIB-04699-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0185, MIL-16631, Ellison 9002</i>
47.00 (1.850")	49.50 +0.25/-0.00	1.75 +0.00/-0.06	50.50	CCI-04700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J47X1.75, D1300-0470APP</i>
47.00 (1.850")	49.50 +0.25/-0.00	1.75 +0.00/-0.06	50.50	CCI-04700-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J47X1.75-411, D1300-0470KSF</i>
47.00 (1.850")	49.50 +0.25/-0.00	1.75 +0.00/-0.06	50.50	* CCI-04700-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0470, Ellison INTV, Seeger JV</i>



Stocked or Short Delivery



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Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
47.00 (1.850")	49.50 +0.25/-0.00	2.00 +0.00/-0.07	50.50	CCI-04700H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0470, JS47X2	
47.63 (1.875")	50.52 +/-0.127	1.57 +0.00/-0.06	52.63	CCI-04763-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0187AZD, Ellison 9000, MIL-16625	
47.63 (1.875")	50.52 +/-0.127	1.57 +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")	50.52 +/-0.127	1.57 +0.00/-0.06	52.63	CCI-04763-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0187BDS, Ellison 9000, MIL-16625	
47.63 (1.875")	50.52 +/-0.127	1.57 +/-0.076	52.63	CCI-04763-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0187, Waldes 5008, MIL 16627	
47.63 (1.875")	51.08 +0.13/-0.00	1.50 +/-0.08	51.54	* CIB-04763-C	Circlips - Internal - Bevelled Spring Steel: N1302-0187, MIL-16631, Ellison 9002	
48.00 (1.890")	50.50 +0.30/-0.00	1.75 +0.00/-0.06	51.50	CCI-04800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J48X1.75, D1300-0480APP	
48.00 (1.890")	50.50 +0.30/-0.00	1.75 +0.00/-0.07	51.50	CCI-04800-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J48X1.75-411, D1300-0480KSF	
48.00 (1.890")	50.50 +0.30/-0.00	1.75 +0.00/-0.06	51.50	* CCI-04800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0480, Ellison INTV, Seeger JV	
49.00 (1.929")	51.50 +0.30/-0.00	1.75 +0.00/-0.07	52.50	CCI-04900-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J49X1.75, D1300-0490APP	
49.23 (1.938")	52.22 +/-0.127	1.57 +0.00/-0.07	54.38	CCI-04923-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0193APP, Ellison 9000, MIL-16625	
49.23 (1.938")	52.22 +/-0.127	1.57 +0.00/-0.07	54.38	CCI-04923-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0193BDS, Ellison 9000, MIL-16625	
49.23 (1.938")	52.88 +0.13/-0.00	1.50 +/-0.08	53.75	* CIB-04923-C	Circlips - Internal - Bevelled Spring Steel: N1302-0193, MIL-16631, Ellison 9002	
50.00 (1.969")	53.00 +0.30/-0.00	2.00 +0.00/-0.07	54.20	CCI-05000-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J50X2, D1300-0500APP	
50.00 (1.969")	53.00 +0.30/-0.00	2.00 +0.00/-0.07	54.20	CCI-05000-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J50X2-411, D1300-0500KSF	
50.00 (1.969")	53.00 +0.30/-0.00	2.00 +0.00/-0.07	54.20	* CCI-05000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0500, Ellison INTV, Seeger JV	
50.00 (1.969")	53.00 +0.30/-0.00	2.50 +0.00/-0.07	54.20	CCI-05000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0500, JS50X3	
50.80 (2.000")	53.90 +/-0.127	1.57 +0.00/-0.07	56.13	CCI-05080-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0200BDS, Ellison 9000, MIL-16625	
50.80 (2.000")	53.90 +/-0.127	1.57 +0.00/-0.07	56.13	CCI-05080-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0200APP, Ellison 9000, MIL-16625	
50.80 (2.000")	53.90 +/-0.127	1.57 +0.00/-0.07	56.13	CCI-05080-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0200AZD, Ellison 9000, MIL-16625	
50.80 (2.000")	53.90 +/-0.127	1.57 +/-0.076	56.13	CCI-05080-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0200, Waldes 5008, MIL 16627	
50.80 (2.000")	54.46 +0.13/-0.00	1.50 +/-0.08	55.50	CIB-05080-C	Circlips - Internal - Bevelled Spring Steel: N1302-0200, MIL-16631, Ellison 9002	
51.00 (2.008")	54.00 +0.30/-0.00	2.00 +0.00/-0.07	55.20	CCI-05100-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J51X2, D1300-0510APP	
51.00 (2.008")	54.00 +0.30/-0.00	2.00 +0.00/-0.07	55.20	* CCI-05100-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J51X2-411, D1300-0510KSF	
51.99 (2.047")	55.75 +0.13/-0.00	1.91 +/-0.08	57.15	* CIB-05199-C	Circlips - Internal - Bevelled Spring Steel: N1302-0204, MIL-16631, Ellison 9002	
52.00 (2.047")	55.00 +0.30/-0.00	2.00 +0.00/-0.07	56.20	CCI-05200-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J52X2, D1300-0520APP	
52.00 (2.047")	55.00 +0.30/-0.00	2.00 +0.00/-0.07	56.20	CCI-05200-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J52X2-411, D1300-0520KSF	
52.00 (2.047")	55.00 +0.30/-0.00	2.00 +0.00/-0.07	56.20	* CCI-05200-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0520, Ellison INTV, Seeger JV	
52.00 (2.047")	55.00 +0.30/-0.00	2.50 +0.00/-0.07	56.20	CCI-05200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0520, JS52X3	
52.39 (2.063")	55.52 +/-0.152	1.98 +0.00/-0.07	57.91	CCI-05239-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0206AZD, Ellison 9000, MIL-16625	



Stocked or Short Delivery



Usually Available Short Delivery



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Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
52.39 (2.063")	55.52 +/-0.152	1.98 +0.00/-0.07	57.91	CCI-05239-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0206APP, Ellison 9000, MIL-16625	
52.39 (2.063")	55.52 +/-0.152	1.98 +0.00/-0.07	57.91	CCI-05239-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0206BDS, Ellison 9000, MIL-16625	
52.39 (2.063")	55.52 +/-0.152	1.98 +/-0.076	57.91	CCI-05239-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0206, Waldes 5008, MIL 16627	
52.39 (2.063")	56.13 +0.15/-0.00	1.91 +/-0.08	57.15	CIB-05239-C	Circlips - Internal - Bevelled Spring Steel: N1302-0206, MIL-16631, Ellison 9002	
53.00 (2.087")	56.00 +0.30/-0.00	2.00 +0.00/-0.07	57.20	CCI-05300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J53X2, D1300-0530APP	
53.98 (2.125")	57.18 +/-0.152	1.98 +0.00/-0.07	59.69	CCI-05398-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0212APP, Ellison 9000, MIL-16625	
53.98 (2.125")	57.18 +/-0.152	1.98 +0.00/-0.07	59.69	CCI-05398-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0212AZD, Ellison 9000, MIL-16625	
53.98 (2.125")	57.18 +/-0.152	1.98 +0.00/-0.07	59.69	CCI-05398-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0212BDS, Ellison 9000, MIL-16625	
53.98 (2.125")	57.18 +/-0.152	1.98 +/-0.076	59.69	CCI-05398-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0212, Waldes 5008, MIL 16627	
53.98 (2.125")	57.89 +0.15/-0.00	1.91 +/-0.08	58.93	CIB-05398-C	Circlips - Internal - Bevelled Spring Steel: N1302-0212, MIL-16631, Ellison 9002	
54.00 (2.126")	57.00 +0.30/-0.00	2.00 +0.00/-0.07	58.20	CCI-05400-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J54X2, D1300-0540APP	
54.00 (2.126")	57.00 +0.30/-0.00	2.00 +0.00/-0.07	58.20	* CCI-05400-S42	Circlips - Internal - Standard - Stainless Steel Stainless Steel: J54X2-411, D1300-0540KSF	
54.99 (2.165")	59.11 +0.15/-0.00	1.91 +/-0.08	60.58	* CIB-05499-C	Circlips - Internal - Bevelled Spring Steel: N1302-0216, MIL-16631, Ellison 9002	
55.00 (2.165")	58.00 +0.30/-0.00	2.00 +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")	58.00 +0.30/-0.00	2.00 +0.00/-0.07	59.20	CCI-05500-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J55X2-411, D1300-0550KSF	
55.00 (2.165")	58.00 +0.30/-0.00	2.00 +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")	58.00 +0.30/-0.00	2.50 +0.00/-0.07	59.20	CCI-05500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0550, JS55X3	
55.58 (2.188")	58.88 +/-0.152	1.98 +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")	58.88 +/-0.152	1.98 +0.00/-0.07	61.34	CCI-05558-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0218BDS, Ellison 9000, MIL-16625	
55.58 (2.188")	59.69 +0.15/-0.00	1.91 +/-0.08	60.58	CIB-05558-C	Circlips - Internal - Bevelled Spring Steel: N1302-0218, MIL-16631, Ellison 9002	
56.00 (2.205")	59.00 +0.30/-0.00	2.00 +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")	59.00 +0.30/-0.00	2.00 +0.00/-0.07	60.20	* CCI-05600-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J56X2-411, D1300-0560KSF	
57.00 (2.244")	60.00 +0.30/-0.00	2.00 +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")	60.00 +0.30/-0.00	2.00 +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")	60.00 +0.30/-0.00	2.00 +0.00/-0.07	62.20	* CCI-05700-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J57X2-411, D1300-0570KSF	
57.15 (2.250")	60.50 +/-0.152	1.98 +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")	60.50 +/-0.152	1.98 +0.00/-0.07	63.25	CCI-05715-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0225AZD, Ellison 9000, MIL-16625	
57.15 (2.250")	60.50 +/-0.152	1.98 +0.00/-0.07	63.25	CCI-05715-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0225BDS, Ellison 9000, MIL-16625	
57.15 (2.250")	61.47 +0.15/-0.00	1.91 +/-0.08	62.48	CIB-05715-C	Circlips - Internal - Bevelled Spring Steel: N1302-0225, MIL-16631, Ellison 9002	
58.00 (2.283")	61.00 +0.30/-0.00	2.00 +0.00/-0.07	62.20	CCI-05800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J58X2, D1300-0580APP	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
58.00 (2.283")	61.00 +0.30/-0.00	2.00 +0.00/-0.07	62.20	CCI-05800-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J58X2-411, D1300-0580KSF	
58.00 (2.283")	61.00 +0.30/-0.00	2.00 +0.00/-0.07	62.20	* CCI-05800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0580, Ellison INTV, Seeger JV	
58.74 (2.313")	62.23 +/-0.152	1.98 +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")	62.23 +/-0.152	1.98 +0.00/-0.07	65.02	CCI-05874-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0231BDS, Ellison 9000, MIL-16625	
58.74 (2.313")	62.23 +/-0.152	1.98 +0.00/-0.07	65.02	CCI-05874-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0231BDS, Ellison 9000, MIL-16625	
58.74 (2.313")	63.01 +0.15/-0.00	1.91 +/-0.08	63.63	CIB-05874-C	Circlips - Internal - Bevelled Spring Steel: N1302-0231, MIL-16631, Ellison 9002	
60.00 (2.362")	63.00 +0.30/-0.00	2.00 +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")	63.00 +0.30/-0.00	2.00 +0.00/-0.07	64.20	CCI-06000-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J60X2-411, D1300-0600KSF	
60.00 (2.362")	63.00 +0.30/-0.00	2.00 +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")	63.00 +0.30/-0.00	3.00 +0.00/-0.08	64.20	CCI-06000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0600, JS60X3	
60.33 (2.375")	63.93 +/-0.152	1.98 +0.00/-0.07	66.80	CCI-06033-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0237AZD, Ellison 9000, MIL-16625	
60.33 (2.375")	63.93 +/-0.152	1.98 +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")	63.93 +/-0.152	1.98 +0.00/-0.07	66.80	CCI-06033-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0237BDS, Ellison 9000, MIL-16625	
60.33 (2.375")	63.93 +/-0.152	1.98 +/-0.076	66.80	CCI-06033-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0237, Waldes 5008, MIL 16627	
60.33 (2.375")	64.78 +0.15/-0.00	1.91 +/-0.08	66.04	CIB-06033-C	Circlips - Internal - Bevelled Spring Steel: N1302-0237, MIL-16631, Ellison 9002	
61.98 (2.440")	65.63 +/-0.152	1.98 +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")	65.63 +/-0.152	1.98 +0.00/-0.07	68.63	CCI-06198-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0244AZD, Ellison 9000, MIL-16625	
61.98 (2.440")	65.63 +/-0.152	1.98 +0.00/-0.07	68.63	CCI-06198-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0244BDS, Ellison 9000, MIL-16625	
61.98 (2.440")	65.63 +/-0.152	1.98 +/-0.076	68.63	CCI-06198-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0243, Waldes 5008, MIL 16627	
61.98 (2.440")	66.50 +0.15/-0.00	1.91 +/-0.08	67.87	CIB-06198-C	Circlips - Internal - Bevelled Spring Steel: N1302-0244, MIL-16631, Ellison 9002	
62.00 (2.441")	65.00 +0.30/-0.00	2.00 +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")	65.00 +0.30/-0.00	2.00 +0.00/-0.07	66.20	CCI-06200-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J62X2-411, D1300-0620KSF	
62.00 (2.441")	65.00 +0.30/-0.00	2.00 +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")	65.00 +0.30/-0.00	3.00 +0.00/-0.08	66.20	CCI-06200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0620, JS62X3	
63.00 (2.480")	66.00 +0.30/-0.00	2.00 +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")	66.00 +0.30/-0.00	2.00 +0.00/-0.07	67.20	* CCI-06300-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J63X2-411, D1300-0630KSF	
63.50 (2.500")	67.26 +/-0.152	1.98 +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")	67.26 +/-0.152	1.98 +0.00/-0.07	70.49	CCI-06350-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0250AZD, Ellison 9000, MIL-16625	
63.50 (2.500")	67.26 +/-0.152	1.98 +0.00/-0.07	70.49	CCI-06350-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0250BDS, Ellison 9000, MIL-16625	
63.50 (2.500")	67.26 +/-0.152	1.98 +/-0.076	70.49	CCI-06350-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0250, Waldes 5008, MIL 16627	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

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Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
63.50 (2.500")	68.17 +0.15/-0.00	1.91 +/-0.08	69.72	* CIB-06350-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0250, MIL-16631, Ellison 9002</i>	
64.00 (2.520")	67.00 +0.30/-0.00	2.00 +0.00/-0.07	68.20	CCI-06400-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J64X2, D1300-0640APP</i>	
64.00 (2.520")	67.00 +0.30/-0.00	2.00 +0.00/-0.07	68.20	* CCI-06400-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J64X2-411, D1300-0640KSF</i>	
64.00 (2.520")	67.00 +0.30/-0.00	3.00 +0.00/-0.08	68.20	* CCI-06400H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0640, JS64X3</i>	
64.29 (2.531")	69.01 +0.15/-0.00	1.91 +/-0.08	69.72	* CIB-06429-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0253, MIL-16631, Ellison 9002</i>	
65.00 (2.559")	68.00 +0.30/-0.00	2.50 +0.00/-0.07	69.20	CCI-06500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J65X2.5, D1300-0650APP</i>	
65.00 (2.559")	68.00 +0.30/-0.00	2.50 +0.00/-0.07	69.20	CCI-06500-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J65X2.5-411, D1300-0650KSF</i>	
65.00 (2.559")	68.00 +0.30/-0.00	2.50 +0.00/-0.07	69.20	* CCI-06500-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0650, Ellison INTV, Seeger JV</i>	
65.00 (2.559")	68.00 +0.30/-0.00	3.00 +0.00/-0.08	69.20	CCI-06500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0650, JS65X3</i>	
65.07 (2.562")	68.94 +/-0.152	2.36 +0.00/-0.07	72.24	CCI-06507-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0256AZD, Ellison 9000, MIL-16625</i>	
65.07 (2.562")	68.94 +/-0.152	2.36 +0.00/-0.07	72.24	CCI-06507-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0256APP, Ellison 9000, MIL-16625</i>	
65.07 (2.562")	68.94 +/-0.152	2.36 +0.00/-0.07	72.24	* CCI-06507-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0256BDS, Ellison 9000, MIL-16625</i>	
65.07 (2.562")	69.85 +0.15/-0.00	2.29 +/-0.08	71.48	* CIB-06507-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0256, MIL-16631, Ellison 9002</i>	
66.68 (2.625")	70.64 +/-0.152	2.36 +0.00/-0.07	73.91	CCI-06668-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0262APP, Ellison 9000, MIL-16625</i>	
66.68 (2.625")	70.64 +/-0.152	2.36 +0.00/-0.07	73.91	CCI-06668-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0262BDS, Ellison 9000, MIL-16625</i>	
66.68 (2.625")	70.64 +/-0.152	2.36 +/-0.076	73.91	CCI-06668-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0262, Waldes 5008, MIL 16627</i>	
66.68 (2.625")	71.63 +0.15/-0.00	2.29 +/-0.08	73.15	* CIB-06668-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0262, MIL-16631, Ellison 9002</i>	
67.00 (2.638")	70.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J67X2.5, D1300-0670APP</i>	
67.00 (2.638")	70.00 +0.30/-0.00	2.50 +0.00/-0.07	71.50	* CCI-06700-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0670, Ellison INTV, Seeger JV</i>	
67.00 (2.638")	70.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	* CCI-06700-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J67X2.5-411, D1300-0670KSF</i>	
68.00 (2.677")	71.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06800-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0680, Ellison INTV, Seeger JV</i>	
68.00 (2.677")	71.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J68X2.5, D1300-0680APP</i>	
68.00 (2.677")	71.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J68X2.5-411, D1300-0680KSF</i>	
68.00 (2.677")	71.00 +0.30/-0.00	3.00 +0.00/-0.08	72.50	CCI-06800H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0680, JS68X3</i>	
68.00 (2.677")	73.05 +0.15/-0.00	2.29 +/-0.08	74.93	* CIB-06800-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0267, MIL-16631, Ellison 9002</i>	
68.26 (2.687")	72.34 +/-0.152	2.36 +0.00/-0.07	75.69	CCI-06826-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0268APP, Ellison 9000, MIL-16625</i>	
68.26 (2.687")	72.34 +/-0.152	2.36 +0.00/-0.07	75.69	CCI-06826-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0268AZD, Ellison 9000, MIL-16625</i>	
68.26 (2.687")	72.34 +/-0.152	2.36 +0.00/-0.07	75.69	* CCI-06826-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0268BDS, Ellison 9000, MIL-16625</i>	
68.26 (2.687")	73.33 +0.15/-0.00	2.29 +/-0.08	74.93	CIB-06826-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0268, MIL-16631, Ellison 9002</i>	
69.85 (2.750")	74.02 +/-0.152	2.36 +0.00/-0.07	77.47	CCI-06985-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0275APP, Ellison 9000, MIL-16625</i>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
69.85 (2.750")	74.02 +/-0.152	2.36 +0.00/-0.07	77.47	CCI-06985-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0275BDS, Ellison 9000, MIL-16625	
69.85 (2.750")	74.02 +/-0.152	2.36 +/-0.076	77.47	CCI-06985-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0275, Waldes 5008, MIL 16627	
69.85 (2.750")	75.06 +0.15/-0.00	2.29 +/-0.08	76.71	* CIB-06985-C	Circlips - Internal - Bevelled Spring Steel: N1302-0275, MIL-16631, Ellison 9002	
70.00 (2.756")	73.00 +0.30/-0.00	2.50 +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")	73.00 +0.30/-0.00	2.50 +0.00/-0.07	74.50	CCI-07000-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J70X2.5-411, D1300-0700KSF	
70.00 (2.756")	73.00 +0.30/-0.00	3.00 +0.00/-0.08	74.50	* CCI-07000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0700, JS70X3	
71.42 (2.812")	75.69 +/-0.152	2.36 +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")	75.69 +/-0.152	2.36 +0.00/-0.07	79.27	CCI-07142-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0281AZD, Ellison 9000, MIL-16625	
71.42 (2.812")	75.69 +/-0.152	2.36 +0.00/-0.07	79.27	CCI-07142-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0281BDS, Ellison 9000, MIL-16625	
71.42 (2.812")	76.35 +/-0.152	2.36 +/-0.076	79.27	* CCI-07142-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0281, Waldes 5008, MIL 16627	
71.42 (2.812")	76.71 +0.15/-0.00	2.29 +/-0.08	78.51	CIB-07142-C	Circlips - Internal - Bevelled Spring Steel: N1302-0281, MIL-16631, Ellison 9002	
72.00 (2.835")	75.00 +0.30/-0.00	2.50 +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")	75.00 +0.30/-0.00	2.50 +0.00/-0.07	76.50	CCI-07200-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J72X2.5-411, D1300-0720KSF	
72.00 (2.835")	75.00 +0.30/-0.00	2.50 +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")	75.00 +0.30/-0.00	3.00 +0.00/-0.08	76.50	* CCI-07200H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0720, JS72X3	
72.01 (2.835")	77.29 +0.15/-0.00	2.29 +/-0.08	78.51	* CIB-07201-C	Circlips - Internal - Bevelled Spring Steel: N1302-0283, MIL-16631, Ellison 9002	
73.03 (2.875")	77.50 +/-0.152	2.36 +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")	77.50 +/-0.152	2.36 +0.00/-0.07	81.05	CCI-07303-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0287AZD, Ellison 9000, MIL-16625	
73.03 (2.875")	77.50 +/-0.152	2.36 +/-0.076	81.05	CCI-07303-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0283, Waldes 5008, MIL 16627	
73.03 (2.875")	77.50 +/-0.152	2.36 +0.00/-0.07	81.05	* CCI-07303-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0287BDS, Ellison 9000, MIL-16625	
73.03 (2.875")	78.36 +0.15/-0.00	2.29 +/-0.08	80.29	CIB-07303-C	Circlips - Internal - Bevelled Spring Steel: N1302-0287, MIL-16631, Ellison 9002	
75.00 (2.953")	78.00 +0.30/-0.00	2.50 +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")	78.00 +0.30/-0.00	2.50 +0.00/-0.07	79.50	CCI-07500-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J75X2.5-411, D1300-0750KSF	
75.00 (2.953")	78.00 +0.30/-0.00	2.50 +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")	78.00 +0.30/-0.00	3.00 +0.00/-0.08	79.50	CCI-07500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0750, JS75X3	
75.01 (2.953")	80.72 +0.15/-0.00	2.29 +/-0.08	83.69	* CIB-07501-C	Circlips - Internal - Bevelled Spring Steel: N1302-0295, MIL-16631, Ellison 9002	
76.00 (2.992")	79.00 +0.30/-0.00	2.50 +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")	79.00 +0.30/-0.00	2.50 +0.00/-0.07	80.70	* CCI-07600-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J76X2.5-411, D1300-0760KSF	
76.20 (3.000")	80.82 +/-0.152	2.36 +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")	80.82 +/-0.152	2.36 +0.00/-0.07	84.46	CCI-07620-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0300BDS, Ellison 9000, MIL-16625	



Stocked or Short Delivery



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Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
76.20 (3.000")	80.82 +/-0.152	2.36 +/-0.076	84.46	CCI-07620-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0300, Waldes 5008, MIL 16627</i>	
76.20 (3.000")	81.92 +0.15/-0.00	2.29 +/-0.08	83.69	CIB-07620-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0300, MIL-16631, Ellison 9002</i>	
77.00 (3.031")	80.00 +0.30/-0.00	2.50 +0.00/-0.07	82.50	CCI-07700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J77X2.5, D1300-0770APP</i>	
77.79 (3.063")	82.50 +/-0.152	2.77 +0.00/-0.07	86.82	CCI-07779-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0306APP, Ellison 9000, MIL-16625</i>	
77.79 (3.063")	82.50 +/-0.152	2.77 +0.00/-0.07	86.82	* CCI-07779-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0306BDS, Ellison 9000, MIL-16625</i>	
77.79 (3.063")	83.57 +0.15/-0.00	2.69 +/-0.08	85.42	* CIB-07779-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0306, MIL-16631, Ellison 9002</i>	
78.00 (3.071")	81.00 +0.35/-0.00	2.50 +0.00/-0.07	82.50	CCI-07800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J78X2.5, D1300-0780APP</i>	
78.00 (3.071")	81.00 +0.35/-0.00	2.50 +0.00/-0.08	82.50	* CCI-07800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J78X2.5-411, D1300-0780KSF</i>	
79.38 (3.125")	84.20 +/-0.152	2.77 +0.00/-0.08	88.60	CCI-07938-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0312AZD, Ellison 9000, MIL-16625</i>	
79.38 (3.125")	84.20 +/-0.152	2.77 +0.00/-0.08	88.60	CCI-07938-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0312APP, Ellison 9000, MIL-16625</i>	
79.38 (3.125")	84.20 +/-0.152	2.77 +0.00/-0.08	88.60	CCI-07938-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0312BDS, Ellison 9000, MIL-16625</i>	
79.38 (3.125")	85.22 +0.15/-0.00	2.69 +/-0.08	87.20	* CIB-07938-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0312, MIL-16631, Ellison 9002</i>	
79.98 (3.149")	85.04 +/-0.152	2.77 +0.00/-0.08	89.48	CCI-07998-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0315APP, Ellison 9000, MIL-16625</i>	
79.98 (3.149")	85.04 +/-0.152	2.77 +0.00/-0.08	89.48	CCI-07998-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0315AZD, Ellison 9000, MIL-16625</i>	
79.98 (3.149")	85.04 +/-0.152	2.77 +0.00/-0.08	89.48	* CCI-07998-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0315BDS, Ellison 9000, MIL-16625</i>	
79.98 (3.149")	85.88 +0.15/-0.00	2.69 +/-0.08	88.09	* CIB-07998-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0314, MIL-16631, Ellison 9002</i>	
80.00 (3.150")	83.50 +0.35/-0.00	2.50 +0.00/-0.08	85.50	CCI-08000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J80X2.5, D1300-0800APP</i>	
80.00 (3.150")	83.50 +0.35/-0.00	2.50 +0.00/-0.08	85.50	CCI-08000-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J80X2.5-411, D1300-0800KSF</i>	
80.00 (3.150")	83.50 +0.30/-0.00	2.50 +0.00/-0.07	85.50	* CCI-08000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0800, Ellison INTV, Seeger JV</i>	
80.00 (3.150")	83.50 +0.35/-0.00	4.00 +0.00/-0.10	85.50	CCI-08000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0800, JS80X4</i>	
80.17 (3.156")	85.04 +/-0.152	2.77 +/-0.076	88.09	CCI-08017-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0315, Waldes 5008, MIL 16627</i>	
80.17 (3.156")	98.55 +0.15/-0.00	2.69 +/-0.08	88.09	CIB-08017-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0315, MIL-16631, Ellison 9002</i>	
81.00 (3.189")	84.50 +0.35/-0.00	2.50 +0.00/-0.08	86.50	CCI-08100-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J81X2.5, D1300-0810APP</i>	
82.00 (3.228")	85.50 +0.35/-0.00	2.50 +0.00/-0.08	87.50	CCI-08200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J82X2.5, D1300-0820APP</i>	
82.00 (3.228")	85.50 +0.35/-0.00	2.50 +0.00/-0.08	87.50	* CCI-08200-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J82X2.5-411, D1300-0820KSF</i>	
82.55 (3.250")	87.53 +/-0.152	2.77 +0.00/-0.08	92.02	CCI-08255-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0325APP, Ellison 9000, MIL-16625</i>	
82.55 (3.250")	87.53 +/-0.152	2.77 +/-0.076	92.02	CCI-08255-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0325, Waldes 5008, MIL 16627</i>	
82.55 (3.250")	87.53 +/-0.152	2.77 +0.00/-0.08	92.02	* CCI-08255-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0325BDS, Ellison 9000, MIL-16625</i>	
82.55 (3.250")	88.62 +0.15/-0.00	2.69 +/-0.08	90.63	* CIB-08255-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0325, MIL-16631, Ellison 9002</i>	
83.00 (3.268")	86.50 +0.35/-0.00	2.50 +0.00/-0.08	88.50	CCI-08300-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J83X2.5, D1300-0830APP</i>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
84.99 (3.346")	90.07 +/-0.152	2.77 +0.00/-0.08	94.84	CCI-08499-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0334AZD, Ellison 9000, MIL-16625</i>	
84.99 (3.346")	90.07 +/-0.152	2.77 +0.00/-0.08	94.84	CCI-08499-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0334APP, Ellison 9000, MIL-16625</i>	
84.99 (3.346")	90.07 +/-0.152	2.77 +0.00/-0.08	94.84	CCI-08499-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0334BDS, Ellison 9000, MIL-16625</i>	
84.99 (3.346")	90.07 +/-0.152	2.77 +/-0.076	94.84	CCI-08499-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0334, Waldes 5008, MIL 16627</i>	
84.99 (3.346")	91.21 +0.15/-0.00	2.69 +/-0.08	93.45	CIB-08499-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0334, MIL-16631, Ellison 9002</i>	
85.00 (3.346")	88.50 +0.35/-0.00	3.00 +0.00/-0.08	90.50	CCI-08500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J85X3, D1300-0850APP</i>	
85.00 (3.346")	88.50 +0.35/-0.00	3.00 +0.00/-0.08	90.50	CCI-08500-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J85X3-411, D1300-0850KSF</i>	
85.00 (3.346")	88.50 +0.35/-0.00	4.00 +0.00/-0.10	90.50	CCI-08500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0850, JS85X4</i>	
87.00 (3.425")	90.50 +0.35/-0.00	3.00 +0.00/-0.08	93.50	* CCI-08700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J87X3, D1300-0870APP</i>	
88.00 (3.465")	91.50 +0.35/-0.00	3.00 +0.00/-0.08	93.50	CCI-08800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J88X3, D1300-0880APP</i>	
88.00 (3.465")	91.50 +0.35/-0.00	3.00 +0.00/-0.08	93.50	* CCI-08800-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J88X3-411, D1300-0880KSF</i>	
88.11 (3.469")	93.35 +/-0.152	2.77 +0.00/-0.08	97.97	CCI-08811-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0347APP, Ellison 9000, MIL-16625</i>	
88.11 (3.469")	93.35 +/-0.152	2.77 +0.00/-0.08	97.97	* CCI-08811-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0347BDS, Ellison 9000, MIL-16625</i>	
88.11 (3.469")	94.64 +0.15/-0.00	2.69 +/-0.08	96.57	* CIB-08811-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0347, MIL-16631, Ellison 9002</i>	
88.90 (3.500")	94.23 +/-0.152	2.77 +0.00/-0.08	98.81	CCI-08890-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0350APP, Ellison 9000, MIL-16625</i>	
88.90 (3.500")	94.23 +/-0.152	2.77 +0.00/-0.08	98.81	CCI-08890-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0350AZD, Ellison 9000, MIL-16625</i>	
88.90 (3.500")	94.23 +/-0.152	2.77 +/-0.076	98.81	CCI-08890-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0350, Waldes 5008, MIL 16627</i>	
88.90 (3.500")	94.23 +/-0.152	2.77 +0.00/-0.08	98.81	* CCI-08890-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0350BDS, Ellison 9000, MIL-16625</i>	
88.90 (3.500")	95.50 +0.15/-0.00	2.69 +/-0.08	97.41	CIB-08890-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0350, MIL-16631, Ellison 9002</i>	
89.99 (3.543")	95.91 +/-0.152	2.77 +0.00/-0.08	99.97	CCI-08999-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0354APP, Ellison 9000, MIL-16625</i>	
89.99 (3.543")	95.91 +/-0.152	2.77 +0.00/-0.08	99.97	* CCI-08999-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0354BDS, Ellison 9000, MIL-16625</i>	
89.99 (3.543")	96.67 +0.15/-0.00	2.69 +/-0.08	98.58	CIB-08999-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0354, MIL-16631, Ellison 9002</i>	
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J90X3, D1300-0900APP</i>	
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0900, Ellison INTV, Seeger JV</i>	
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-CZ	Circlips - Internal - Standard - Carbon Steel <i>Zinc Plated Carbon Spring Steel: J90X3, D1300-0900APP</i>	
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J90X3-411, D1300-0900KSF</i>	
90.00 (3.543")	93.50 +0.35/-0.00	4.00 +0.00/-0.10	95.50	CCI-09000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0900, JS90X4</i>	
90.47 (3.562")	95.91 +/-0.152	2.77 +/-0.076	98.58	CCI-09047-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0356, Waldes 5008, MIL 16627</i>	
90.47 (3.562")	97.28 +0.15/-0.00	2.69 +/-0.08	98.58	* CIB-09047-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0356, MIL-16631, Ellison 9002</i>	
92.00 (3.622")	95.50 +0.35/-0.00	3.00 +0.00/-0.08	97.50	CCI-09200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J92X3, D1300-0920APP</i>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
92.00 (3.622")	95.50 +0.35/-0.00	3.00 +0.00/-0.08	97.50	* CCI-09200-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J92X3-411, D1300-0920KSF	
92.08 (3.625")	97.56 +/-0.152	2.77 +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")	97.56 +/-0.152	2.77 +0.00/-0.08	102.21	* CCI-09208-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0362BDS, Ellison 9000, MIL-16625	
92.08 (3.625")	99.06 +0.15/-0.00	2.69 +/-0.08	100.81	* CIB-09208-C	Circlips - Internal - Bevelled Spring Steel: N1302-0362, MIL-16631, Ellison 9002	
95.00 (3.740")	98.50 +0.35/-0.00	3.00 +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")	98.50 +0.35/-0.00	3.00 +0.00/-0.08	100.50	CCI-09500-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J95X3-411, D1300-0950KSF	
95.00 (3.740")	98.50 +0.35/-0.00	4.00 +0.00/-0.10	100.50	* CCI-09500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0950, JS95X4	
95.00 (3.740")	102.36 +0.15/-0.00	2.69 +/-0.08	103.94	* CIB-09500-C	Circlips - Internal - Bevelled Spring Steel: N1302-0374, MIL-16631, Ellison 9002	
95.25 (3.750")	100.94 +/-0.152	2.77 +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")	100.94 +/-0.152	2.77 +0.00/-0.08	105.59	* CCI-09525-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0375BDS, Ellison 9000, MIL-16625	
95.25 (3.750")	102.62 +0.15/-0.00	2.69 +/-0.08	103.94	CIB-09525-C	Circlips - Internal - Bevelled Spring Steel: N1302-0375, MIL-16631, Ellison 9002	
97.00 (3.819")	100.50 +0.35/-0.00	3.00 +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")	101.50 +0.35/-0.00	3.00 +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")	101.50 +0.35/-0.00	3.00 +0.00/-0.08	103.50	* CCI-09800-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: J98X3-411, D1300-0980KSF	
98.43 (3.875")	104.32 +/-0.152	2.77 +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")	104.32 +/-0.152	2.77 +0.00/-0.08	108.99	* CCI-09843-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0387BDS, Ellison 9000, MIL-16625	
98.43 (3.875")	105.94 +0.15/-0.00	2.69 +/-0.08	107.34	CIB-09843-C	Circlips - Internal - Bevelled Spring Steel: N1302-0387, MIL-16631, Ellison 9002	
100.00 (3.937")	103.50 +0.35/-0.00	3.00 +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")	103.50 +0.35/-0.00	3.00 +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")	103.50 +0.35/-0.00	4.00 +0.00/-0.10	105.50	CCI-10000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1000, JS100X4	
100.01 (3.937")	106.02 +/-0.152	2.77 +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")	106.02 +/-0.152	2.77 +0.00/-0.10	110.69	CCI-10001-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0393AZD, Ellison 9000, MIL-16625	
100.01 (3.937")	106.02 +/-0.152	2.77 +0.00/-0.10	110.69	* CCI-10001-S42	Circlips - Internal - Standard - Stainless Steel 420 Stainless: N1300-0393BDS, Ellison 9000, MIL-16625	
100.01 (3.937")	107.59 +0.15/-0.00	2.69 +/-0.08	109.04	CIB-10001-C	Circlips - Internal - Bevelled Spring Steel: N1302-0394, MIL-16631, Ellison 9002	
101.60 (4.000")	107.54 +/-0.152	2.84 +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")	107.54 +/-0.152	2.84 +0.00/-0.10	112.37	CCI-10160-CZY	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel, Yellow Zinc Plated.: N1300-0400AZD, Ellison 9000, MIL-16625	
101.60 (4.000")	107.70 +/-0.152	2.77 +/-0.076	112.37	CCI-10160-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0400, Waldes 5008, MIL 16627	
101.60 (4.000")	109.27 +0.15/-0.00	2.69 +/-0.08	110.72	CIB-10160-C	Circlips - Internal - Bevelled Spring Steel: N1302-0400, MIL-16631, Ellison 9002	
102.00 (4.016")	106.00 +0.54/-0.00	4.00 +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")	108.00 +0.54/-0.00	4.00 +0.00/-0.10	110.76	* CCI-10300-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: J103X4, D1300-1030APP	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
104.78 (4.125")	110.87 +/-0.152	2.77 +0.00/-0.10	111.76	CCI-10478-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0412, Ellison 9000, MIL-16625</i>	
104.78 (4.125")	112.60 +0.15/-0.00	2.69 +/-0.08	114.12	CIB-10478-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0412, MIL-16631, Ellison 9002</i>	
105.00 (4.134")	109.00 +0.54/-0.00	5.00 +0.00/-0.12	112.00	* CCI-10500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1050, JS105X5</i>	
105.00 (4.134")	409.00 +0.54/-0.00	4.00 +0.00/-0.10	112.00	CCI-10500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J105X4, D1300-1050APP</i>	
107.00 (4.213")	111.00 +0.54/-0.00	4.00 +0.00/-0.10	115.00	CCI-10700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J107X4, D1300-1070APP</i>	
107.95 (4.250")	114.05 +/-0.152	2.77 +0.00/-0.10	116.08	CCI-10795-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0425, Ellison 9000, MIL-16625</i>	
107.95 (4.250")	115.87 +0.15/-0.00	2.69 +/-0.08	117.50	* CIB-10795-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0425, MIL-16631, Ellison 9002</i>	
108.00 (4.252")	112.00 +0.54/-0.00	4.00 +0.00/-0.10	115.00	CCI-10800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J108X4, D1300-1080APP</i>	
110.00 (4.331")	114.00 +0.54/-0.00	4.00 +0.00/-0.10	117.00	CCI-11000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J110X4, D1300-1100APP</i>	
110.00 (4.331")	114.00 +0.54/-0.00	4.00 +0.00/-0.10	117.00	* CCI-11000-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: J110X4-411, D1300-1100KSF</i>	
110.00 (4.331")	114.00 +0.54/-0.00	5.00 +0.00/-0.12	117.00	* CCI-11000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1100, JS110X5</i>	
110.01 (4.331")	116.00 +/-0.152	2.77 +0.00/-0.10	120.80	CCI-11001N-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0433, Ellison 9000, MIL-16625</i>	
110.01 (4.331")	116.00 +/-0.152	2.77 +0.00/-0.10	120.80	* CCI-11001N-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0433BDS, Ellison 9000, MIL-16625</i>	
110.01 (4.331")	118.03 +0.15/-0.00	2.69 +/-0.08	119.15	CIB-11001-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0433, MIL-16631, Ellison 9002</i>	
112.00 (4.409")	116.00 +0.54/-0.00	4.00 +0.00/-0.10	119.00	CCI-11200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J112X4, D1300-1120APP</i>	
114.30 (4.500")	120.40 +/-0.152	2.77 +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>	
114.30 (4.500")	122.53 +0.15/-0.00	2.69 +/-0.08	123.83	CIB-11430-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0450, MIL-16631, Ellison 9002</i>	
115.00 (4.528")	119.00 +0.54/-0.00	4.00 +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")	119.00 +0.54/-0.00	5.00 +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")	121.00 +0.54/-0.00	4.00 +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")	123.57 +/-0.152	2.77 +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>	
117.48 (4.625")	125.86 +0.15/-0.00	2.69 +/-0.08	127.28	* CIB-11748-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0462, MIL-16631, Ellison 9002</i>	
118.00 (4.646")	122.00 +0.63/-0.00	4.00 +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")	128.52 +0.15/-0.00	2.69 +/-0.08	130.76	* CIB-11999-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0472, MIL-16631, Ellison 9002</i>	
120.00 (4.724")	124.00 +0.63/-0.00	4.00 +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")	124.00 +0.54/-0.00	5.00 +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")	126.21 +/-0.152	2.77 +0.00/-0.10	129.03	CCI-12065-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0475AZD, Ellison 9000, MIL-16625</i>	
120.65 (4.750")	126.21 +/-0.152	2.77 +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")	126.21 +/-0.152	2.77 +0.00/-0.10	129.03	CCI-12065-S42	Circlips - Internal - Standard - Stainless Steel <i>420 Stainless: N1300-0475BDS, Ellison 9000, MIL-16625</i>	
120.65 (4.750")	129.18 +0.15/-0.00	2.69 +/-0.08	130.76	CIB-12065-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0475, MIL-16631, Ellison 9002</i>	

Circlips - Internal					
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description
122.00 (4.803")	126.00 +0.63/-0.00	4.00 +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")	129.00 +0.63/-0.00	4.00 +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")	129.00 +0.63/-0.00	5.00 +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")	131.00 +0.63/-0.00	4.00 +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>
127.00 (5.000")	133.45 +/-0.152	2.84 +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")	133.45 +/-0.152	2.84 +0.00/-0.08	139.32	CCI-12700N-CZY	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0500AZD, Ellison 9000, MIL-16625</i>
127.00 (5.000")	135.79 +0.15/-0.00	2.69 +/-0.08	137.67	CIB-12700-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0500, MIL-16631, Ellison 9002</i>
128.00 (5.039")	132.00 +0.63/-0.00	4.00 +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")	134.00 +0.63/-0.00	4.00 +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")	134.00 +0.63/-0.00	5.00 +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")	136.00 +0.63/-0.00	4.00 +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")	140.21 +/-0.178	3.18 +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>
133.35 (5.250")	142.54 +0.18/-0.00	3.07 +/-0.08	144.91	* CIB-13335-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0525, MIL-16631, Ellison 9002</i>
135.00 (5.315")	139.00 +0.63/-0.00	4.00 +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")	139.00 +0.63/-0.00	5.00 +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")	143.51 +/-0.178	3.18 +0.00/-0.10	150.11	CCI-13653-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0537, Ellison 9000, MIL-16625</i>
136.53 (5.375")	145.77 +0.18/-0.00	3.07 +/-0.08	148.46	* CIB-13653-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0537, MIL-16631, Ellison 9002</i>
137.00 (5.394")	141.00 +0.63/-0.00	4.00 +0.00/-0.10	145.00	CCI-13700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J137X4, D1300-1370APP</i>
139.70 (5.500")	146.38 +/-0.178	3.28 +0.00/-0.10	153.25	CCI-13970-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: N1300-0550, Ellison 9000, MIL-16625</i>
139.70 (5.500")	148.95 +0.18/-0.00	3.07 +/-0.08	152.43	* CIB-13970-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0550, MIL-16631, Ellison 9002</i>
140.00 (5.512")	144.00 +0.63/-0.00	4.00 +0.00/-0.10	147.00	CCI-14000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J140X4, D1300-1400APP</i>
140.00 (5.512")	144.00 +0.63/-0.00	5.00 +0.00/-0.12	147.00	* CCI-14000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1400, JS140X5</i>
142.00 (5.591")	146.00 +0.63/-0.00	4.00 +0.00/-0.10	149.00	CCI-14200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J142X4, D1300-1420APP</i>
145.00 (5.709")	149.00 +0.63/-0.00	4.00 +0.00/-0.10	152.00	CCI-14500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J145X4, D1300-1450APP</i>
145.00 (5.709")	149.00 +0.63/-0.00	5.00 +0.00/-0.12	152.00	* CCI-14500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1450, JS145X5</i>
146.05 (5.750")	152.91 +/-0.178	3.18 +0.00/-0.10	160.22	CCI-14605-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0575, Ellison 9000, MIL-16625</i>
146.05 (5.750")	155.45 +0.18/-0.00	3.07 +/-0.08	159.28	* CIB-14605-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0575, MIL-16631, Ellison 9002</i>
147.00 (5.787")	151.00 +0.63/-0.00	4.00 +0.00/-0.10	155.00	CCI-14700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J147X4, D1300-1470APP</i>
148.00 (5.827")	152.00 +0.63/-0.00	4.00 +0.00/-0.10	155.00	* CCI-14800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J148X4, D1300-1480APP</i>
150.00 (5.906")	155.00 +0.63/-0.00	4.00 +0.00/-0.10	158.00	CCI-15000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J150X4, D1300-1500APP</i>



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
150.00 (5.906")	155.00 +0.63/-0.00	5.00 +0.00/-0.12	158.00	* CCI-15000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1500, JS150X5</i>	
152.00 (5.984")	157.00 +0.63/-0.00	4.00 +0.00/-0.10	161.00	CCI-15200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J152X4, D1300-1520APP</i>	
152.40 (6.000")	159.08 +/-0.178	3.28 +0.00/-0.10	169.17	CCI-15240-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: N1300-0600, Ellison 9000, MIL-16625</i>	
152.40 (6.000")	161.90 +0.18/-0.00	3.07 +/-0.08	166.50	CIB-15240-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0600, MIL-16631, Ellison 9002</i>	
155.00 (6.102")	160.00 +0.63/-0.00	4.00 +0.00/-0.10	164.00	CCI-15500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J155X4, D1300-1550APP</i>	
155.00 (6.102")	160.00 +0.63/-0.00	5.00 +0.00/-0.12	164.00	* CCI-15500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1550, JS155X5</i>	
157.00 (6.181")	162.00 +0.63/-0.00	4.00 +0.00/-0.10	167.00	CCI-15700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J157X4, D1300-1570APP</i>	
158.00 (6.220")	163.00 +0.63/-0.00	4.00 +0.00/-0.12	167.00	* CCI-15800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J158X4, D1300-1580APP</i>	
158.75 (6.250")	165.66 +/-0.204	4.09 +0.00/-0.12	176.21	CCI-15875-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: N1300-0625, Ellison 9000, MIL-16625</i>	
158.75 (6.250")	168.71 +0.20/-0.00	3.84 +/-0.08	173.10	* CIB-15875-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0625, MIL-16631, Ellison 9002</i>	
160.00 (6.299")	165.00 +0.63/-0.00	4.00 +0.00/-0.10	169.00	CCI-16000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J160X4, D1300-1600APP</i>	
160.00 (6.299")	165.00 +0.63/-0.00	5.00 +0.00/-0.12	169.00	* CCI-16000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1600, JS160X5</i>	
162.00 (6.378")	167.00 +0.63/-0.00	4.00 +0.00/-0.10	171.50	CCI-16200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J162X4, D1300-1620APP</i>	
165.00 (6.496")	170.00 +0.63/-0.00	4.00 +0.00/-0.10	174.50	CCI-16500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J165X4, D1300-1650APP</i>	
165.00 (6.496")	170.00 +0.63/-0.00	5.00 +0.00/-0.12	174.50	* CCI-16500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1650, JS165X5</i>	
165.10 (6.500")	172.47 +/-0.204	4.09 +0.00/-0.10	183.26	CCI-16510-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0650, Ellison 9000, MIL-16625</i>	
165.10 (6.500")	175.46 +0.20/-0.00	3.84 +/-0.08	180.09	* CIB-16510-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0650, MIL-16631, Ellison 9002</i>	
167.00 (6.575")	172.00 +0.63/-0.00	4.00 +0.00/-0.10	177.50	CCI-16700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J167X4, D1300-1670APP</i>	
168.00 (6.614")	173.00 +0.63/-0.00	4.00 +0.00/-0.10	177.50	CCI-16800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J168X4, D1300-1680APP</i>	
168.28 (6.625")	175.90 +/-0.204	4.09 +0.00/-0.10	186.79	CCI-16828-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0662, Ellison 9000, MIL-16625</i>	
168.28 (6.625")	178.87 +0.20/-0.00	3.84 +/-0.08	183.59	* CIB-16828-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0662, MIL-16631, Ellison 9002</i>	
170.00 (6.693")	175.00 +0.63/-0.00	4.00 +0.00/-0.10	179.50	CCI-17000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J170X4, D1300-1700APP</i>	
170.00 (6.693")	175.00 +0.63/-0.00	5.00 +0.00/-0.12	179.50	* CCI-17000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1700, JS170X5</i>	
171.45 (6.750")	179.20 +/-0.204	4.09 +0.00/-0.10	190.31	CCI-17145-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0675, Ellison 9000, MIL-16625</i>	
171.45 (6.750")	182.22 +0.20/-0.00	3.84 +/-0.08	187.07	* CIB-17145-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0675, MIL-16631, Ellison 9002</i>	
172.00 (6.772")	177.00 +0.63/-0.00	4.00 +0.00/-0.10	181.50	CCI-17200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J172X4, D1300-1720APP</i>	
175.00 (6.890")	180.00 +0.63/-0.00	4.00 +0.00/-0.10	184.50	CCI-17500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J175X4, D1300-1750APP</i>	
175.00 (6.890")	180.00 +0.63/-0.00	5.00 +0.00/-0.12	184.50	* CCI-17500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1750, JS175X5</i>	
177.00 (6.969")	182.00 +0.72/-0.00	4.00 +0.00/-0.10	187.50	CCI-17700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J177X4, D1300-1770APP</i>	
177.80 (7.000")	185.60 +/-0.204	4.09 +0.00/-0.12	197.36	CCI-17780-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: N1300-0700, Ellison 9000, MIL-16625</i>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
177.80 (7.000")	189.00 +0.20/-0.00	3.84 +/-0.08	194.06	* CIB-17780-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0700, MIL-16631, Ellison 9002</i>	
178.00 (7.008")	183.00 +0.72/-0.00	4.00 +0.00/-0.10	187.50	CCI-17800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J178X4, D1300-1780APP</i>	
180.00 (7.087")	185.00 +0.72/-0.00	4.00 +0.00/-0.10	189.50	CCI-18000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J180X4, D1300-1800APP</i>	
180.00 (7.087")	185.00 +0.72/-0.00	5.00 +0.00/-0.12	189.50	* CCI-18000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1800, JS180X5</i>	
182.00 (7.165")	185.00 +0.72/-0.00	4.00 +0.00/-0.10	191.50	CCI-18200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J182X4, D1300-1820APP</i>	
184.15 (7.250")	192.41 +/-0.204	4.75 +0.00/-0.12	203.07	CCI-18415-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0725, Ellison 9000, MIL-16625</i>	
184.15 (7.250")	195.78 +0.20/-0.00	4.62 +/-0.08	200.79	* CIB-18415-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0725, MIL-16631, Ellison 9002</i>	
185.00 (7.283")	190.00 +0.72/-0.00	4.00 +0.00/-0.10	194.50	CCI-18500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J185X4, D1300-1850APP</i>	
185.00 (7.283")	190.00 +0.72/-0.00	5.00 +0.00/-0.12	194.50	* CCI-18500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1850, JS185X5</i>	
187.00 (7.362")	192.00 +0.72/-0.00	4.00 +0.00/-0.10	197.50	CCI-18700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J187X4, D1300-1870APP</i>	
188.00 (7.402")	193.00 +0.72/-0.00	4.00 +0.00/-0.10	197.50	CCI-18800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J188X4, D1300-1880APP</i>	
190.00 (7.480")	195.00 +0.72/-0.00	4.00 +0.00/-0.10	199.50	CCI-19000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J190X4, D1300-1900APP</i>	
190.00 (7.480")	195.00 +0.72/-0.00	5.00 +0.00/-0.12	199.50	* CCI-19000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1900, JS190X5</i>	
190.50 (7.500")	199.14 +/-0.204	4.75 +0.00/-0.12	211.46	CCI-19050-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0750, Ellison 9000, MIL-16625</i>	
190.50 (7.500")	202.54 +0.20/-0.00	4.62 +/-0.08	207.77	* CIB-19050-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0750, MIL-16631, Ellison 9002</i>	
192.00 (7.559")	197.00 +0.72/-0.00	4.00 +0.00/-0.10	201.50	CCI-19200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J192X4, D1300-1920APP</i>	
195.00 (7.677")	200.00 +0.72/-0.00	4.00 +0.00/-0.10	204.50	CCI-19500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J195X4, D1300-1950APP</i>	
195.00 (7.677")	200.00 +0.72/-0.00	5.00 +0.00/-0.12	204.50	* CCI-19500H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-1950, JS195X5</i>	
196.85 (7.750")	205.74 +/-0.204	4.75 +0.00/-0.12	218.51	CCI-19685-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0775, Ellison 9000, MIL-16625</i>	
196.85 (7.750")	209.30 +0.20/-0.00	4.62 +/-0.08	214.76	* CIB-19685-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0775, MIL-16631, Ellison 9002</i>	
197.00 (7.756")	202.00 +0.72/-0.00	4.00 +0.00/-0.10	207.50	CCI-19700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J197X4, D1300-1970APP</i>	
198.00 (7.795")	203.00 +0.72/-0.00	4.00 +0.00/-0.10	207.50	CCI-19800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J198X4, D1300-1980APP</i>	
200.00 (7.874")	205.00 +0.72/-0.00	4.00 +0.00/-0.10	209.50	CCI-20000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J200X4, D1300-2000APP</i>	
200.00 (7.874")	205.00 +0.72/-0.00	5.00 +0.00/-0.12	209.50	* CCI-20000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-2000, JS200X5</i>	
202.00 (7.953")	208.00 +0.72/-0.00	5.00 +0.00/-0.12	214.00	CCI-20200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J202X5, D1300-2020APP</i>	
203.20 (8.000")	212.34 +/-0.204	4.75 +0.00/-0.12	224.03	CCI-20320-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: N1300-0800, Ellison 9000, MIL-16625</i>	
203.20 (8.000")	216.08 +0.20/-0.00	4.62 +/-0.08	221.74	* CIB-20320-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0800, MIL-16631, Ellison 9002</i>	
205.00 (8.071")	211.00 +0.72/-0.00	5.00 +0.00/-0.12	217.00	CCI-20500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J205X5, D1300-2050APP</i>	
207.00 (8.150")	213.00 +0.72/-0.00	5.00 +0.00/-0.12	217.00	CCI-20700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J207X5, D1300-2070APP</i>	
208.00 (8.189")	214.00 +0.72/-0.00	5.00 +0.00/-0.12	222.00	CCI-20800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J208X5, D1300-2080APP</i>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
209.55 (8.250")	218.95 +/-0.204	4.75 +0.00/-0.12	231.01	CCI-20955-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0825, Ellison 9000, MIL-16625</i>	
209.55 (8.250")	222.83 +0.20/-0.00	4.62 +/-0.08	228.73	* CIB-20955-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0825, MIL-16631, Ellison 9002</i>	
210.00 (8.268")	216.00 +0.72/-0.00	5.00 +0.00/-0.12	222.00	CCI-21000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J210X5, D1300-2100APP</i>	
212.00 (8.346")	218.00 +0.72/-0.00	5.00 +0.00/-0.12	222.00	CCI-21200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J212X5, D1300-2120APP</i>	
215.00 (8.465")	221.00 +0.72/-0.00	5.00 +0.00/-0.12	227.00	CCI-21500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J215X5, D1300-2150APP</i>	
215.90 (8.500")	225.55 +/-0.204	4.75 +0.00/-0.12	239.65	CCI-21590-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0850, Ellison 9000, MIL-16625</i>	
215.90 (8.500")	229.62 +0.20/-0.00	4.62 +/-0.08	233.55	* CIB-21590-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0850, MIL-16631, Ellison 9002</i>	
217.00 (8.543")	223.00 +0.72/-0.00	5.00 +0.00/-0.12	227.00	CCI-21700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J217X5, D1300-2170APP</i>	
218.00 (8.583")	224.00 +0.72/-0.00	5.00 +0.00/-0.12	232.00	CCI-21800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J218X5, D1300-2180APP</i>	
220.00 (8.661")	226.00 +0.72/-0.00	5.00 +0.00/-0.12	232.00	CCI-22000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: J220X5, D1300-2200APP</i>	
222.00 (8.740")	228.00 +0.72/-0.00	5.00 +0.00/-0.12	232.00	CCI-22200-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J222X5, D1300-2220APP</i>	
222.25 (8.750")	232.28 +/-0.204	4.75 +0.00/-0.12	242.77	CCI-22225-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0875, Ellison 9000, MIL-16625</i>	
222.25 (8.750")	236.40 +0.20/-0.00	4.62 +/-0.08	240.49	* CIB-22225-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0875, MIL-16631, Ellison 9002</i>	
225.00 (8.858")	236.00 +0.72/-0.00	5.00 +0.00/-0.12	237.00	CCI-22500-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J225X5, D1300-2250APP</i>	
227.00 (8.937")	233.00 +0.72/-0.00	5.00 +0.00/-0.12	237.00	CCI-22700-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J227X5, D1300-2270APP</i>	
228.00 (8.976")	234.00 +0.72/-0.00	5.00 +0.00/-0.12	242.00	CCI-22800-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J228X5, D1300-2280APP</i>	
228.60 (9.000")	238.89 +/-0.204	4.75 +0.00/-0.12	253.75	CCI-22860-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0900, Ellison 9000, MIL-16625</i>	
228.60 (9.000")	243.15 +0.20/-0.00	4.62 +/-0.08	247.40	* CIB-22860-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0900, MIL-16631, Ellison 9002</i>	
230.00 (9.055")	236.00 +0.72/-0.00	5.00 +0.00/-0.12	242.00	CCI-23000-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J230X5, D1300-2300APP</i>	
232.00 (9.134")	238.00 +0.72/-0.00	5.00 +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")	245.57 +/-0.204	4.75 +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>	
234.95 (9.250")	249.89 +0.20/-0.00	4.62 +/-0.08	254.30	* CIB-23495-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0925, MIL-16631, Ellison 9002</i>	
235.00 (9.252")	241.00 +0.72/-0.00	5.00 +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")	243.00 +0.72/-0.00	5.00 +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")	244.00 +0.72/-0.00	5.00 +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")	246.00 +0.72/-0.00	5.00 +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")	252.22 +/-0.204	4.75 +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>	
241.30 (9.500")	256.69 +0.20/-0.00	4.62 +/-0.08	261.24	* CIB-24130-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0950, MIL-16631, Ellison 9002</i>	
242.00 (9.528")	248.00 +0.72/-0.00	5.00 +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")	251.00 +0.81/-0.00	5.00 +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>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
247.00 (9.724")	253.00 +0.81/-0.00	5.00 +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")	258.83 +/-0.204	4.75 +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>	
247.65 (9.750")	263.45 +0.20/-0.00	4.62 +/-0.08	268.17	* CIB-24765-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0975, MIL-16631, Ellison 9002</i>	
248.00 (9.764")	254.00 +0.81/-0.00	5.00 +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")	256.00 +0.81/-0.00	5.00 +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")	260.00 +0.81/-0.00	5.00 +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")	265.43 +/-0.178	4.75 +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>	
254.00 (10.000")	270.23 +0.20/-0.00	4.62 +/-0.08	275.08	* CIB-25400-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-1000, MIL-16631, Ellison 9002</i>	
255.00 (10.039")	263.00 +0.81/-0.00	5.00 +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")	265.00 +0.81/-0.00	5.00 +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")	266.00 +0.81/-0.00	5.00 +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")	268.00 +0.81/-0.00	5.00 +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")	270.00 +0.81/-0.00	5.00 +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")	273.00 +0.81/-0.00	5.00 +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")	275.00 +0.81/-0.00	5.00 +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")	276.00 +0.81/-0.00	5.00 +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")	278.00 +0.81/-0.00	5.00 +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")	280.00 +0.81/-0.00	5.00 +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")	283.00 +0.81/-0.00	5.00 +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")	285.00 +0.81/-0.00	5.00 +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>	
278.00 (10.945")	286.00 +0.81/-0.00	5.00 +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")	288.00 +0.81/-0.00	5.00 +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")	290.00 +0.81/-0.00	5.00 +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")	293.00 +0.81/-0.00	5.00 +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")	295.00 +0.81/-0.00	5.00 +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")	296.00 +0.81/-0.00	5.00 +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")	298.00 +0.81/-0.00	5.00 +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")	300.00 +0.81/-0.00	5.00 +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")	303.00 +0.81/-0.00	5.00 +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")	305.00 +0.81/-0.00	5.00 +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>	

Circlips - Internal						
Housing Bore (Db (mm))	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
298.00 (11.732")	306.00 +0.81/-0.00	5.00 +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")	308.00 +0.81/-0.00	5.00 +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")	315.00 +0.81/-0.00	6.00 +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")	320.00 +0.89/-0.00	6.00 +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")	325.00 +0.89/-0.00	6.00 +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")	330.00 +0.89/-0.00	6.00 +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")	335.00 +0.89/-0.00	6.00 +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")	340.00 +0.89/-0.00	6.00 +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")	345.00 +0.89/-0.00	6.00 +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")	350.00 +0.89/-0.00	6.00 +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")	355.00 +0.89/-0.00	6.00 +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")	360.00 +0.89/-0.00	6.00 +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")	365.00 +0.89/-0.00	6.00 +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")	370.00 +0.89/-0.00	6.00 +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")	375.00 +0.89/-0.00	6.00 +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")	380.00 +0.89/-0.00	6.00 +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")	385.00 +0.89/-0.00	6.00 +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")	390.00 +0.89/-0.00	6.00 +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")	395.00 +0.89/-0.00	6.00 +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")	400.00 +0.89/-0.00	6.00 +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")	405.00 +1.00/-0.00	6.00 +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>	
400.00 (15.748")	410.00 +1.00/-0.00	6.00 +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")	422.00 +1.00/-0.00	7.00 +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")	432.00 +1.00/-0.00	7.00 +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")	442.00 +1.00/-0.00	7.00 +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")	452.00 +1.00/-0.00	7.00 +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")	462.00 +1.00/-0.00	7.00 +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")	472.00 +1.00/-0.00	7.00 +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")	482.00 +1.00/-0.00	7.00 +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")	492.00 +1.00/-0.00	7.00 +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>	

Circlips - Internal						
Housing Bore (Db) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (Dr) (mm)	Part Number	Description	
490.00 (19.291")	502.00 +1.00/-0.00	7.00 +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")	512.00 +1.00/-0.00	7.00 +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")	524.00 +1.00/-0.00	8.00 +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")	534.00 +1.00/-0.00	8.00 +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")	544.00 +1.00/-0.00	8.00 +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")	554.00 +1.00/-0.00	8.00 +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")	564.00 +1.00/-0.00	8.00 +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")	574.00 +1.00/-0.00	8.00 +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")	584.00 +1.00/-0.00	8.00 +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")	594.00 +1.00/-0.00	8.00 +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")	604.00 +1.00/-0.00	8.00 +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")	614.00 +1.00/-0.00	8.00 +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")	666.00 +1.00/-0.00	9.00 +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")	716.00 +1.00/-0.00	9.00 +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")	768.00 +1.00/-0.00	9.00 +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")	818.00 +1.00/-0.00	9.00 +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")	870.00 +1.00/-0.00	9.00 +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")	920.00 +1.00/-0.00	9.00 +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")	972.00 +1.00/-0.00	9.00 +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>	

E-Clips						
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")	0.66 +0.051/-0.000	0.25 +/-0.025	1.75	ECL-0007-0010-BC	E-Clips - Basic - Beryllium Copper <i>N1500-X004BC</i>	
1.00 (0.039")	0.66 +0.051/-0.000	0.25 +/-0.025	1.75	ECL-0007-0010-C	E-Clips - Basic - Carbon Steel <i>N1500-X004, A 9Q29-04</i>	
1.00 (0.039")	0.80 +0.00/-0.04	0.20 +/-0.02	2.00	** ECL-0008-0010-BC	E-Clips - Basic - Beryllium Copper <i>D1500-0008, MD6799MQB008</i>	
1.40 (0.055")	1.20 +0.00/-0.06	0.30 +/-0.02	2.90	ECL-0012-0014-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: D1500-0012, Ellison 6799, Seeger RA</i>	
1.59 (0.063")	1.32 +0.051/-0.000	0.25 +/-0.025	3.56	** ECL-0013-0016B-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-X006, A 9Q29-X06</i>	
1.59 (0.063")	1.32 +0.051/-0.000	0.25 +/-0.025	3.96	ECL-0013-0016A-BC	E-Clips - Basic - Beryllium Copper <i>N1500-0006BC</i>	
1.59 (0.063")	1.32 +0.051/-0.000	0.25 +/-0.025	3.96	ECL-0013-0016A-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-0006, A 9Q29-06</i>	
1.59 (0.063")	1.32 +0.051/-0.000	0.25 +/-0.025	3.96	ECL-0013-0016A-S42	E-Clips - Basic - Stainless Steel <i>420 Stainless Steel: N1500-0006KSF, S73LW2-ER133-06</i>	
1.59 (0.063")	1.32 +0.76/-0.00	0.31 +/-0.038	6.35	* ECL-0013-0020-C	E-Clips - Basic - Carbon Steel <i>Phosphate and oil finish: A1500-S052</i>	

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

* Large Minimum Quantities

** Available only while stock lasts

E-Clips					
Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description
1.59 (0.063")	1.32 +0.051/-0.000	0.38	3.96	* ECL-0013-0016D-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A052
1.59 (0.063")	1.32 +0.051/-0.000	0.51	4.76	* ECL-0013-0016C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-Y006
1.59 (0.063")	1.32 +0.051/-0.000	0.51	4.76	* ECL-0013-0016C-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-Y006KSF, S73LW2-ER133-06A
1.98 (0.078")	1.58 +0.76/-0.00	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")	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")	1.50 +0.00/-0.06	0.40 +/-0.02	3.85	ECL-0015-0020-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0015KSF, Ellison 6799, Seeger RA
2.39 (0.094")	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")	1.88 +0.051/-0.000	0.38 +/-0.025	4.75	ECL-0018-0024A-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0009KSF, S73LW2-ER133-09
2.39 (0.094")	1.88 +0.051/-0.000	0.38 +/-0.050	5.84	ECL-0018-0024B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X009, A 9Q29-X09
2.39 (0.094")	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
2.50 (0.098")	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")	1.90 +0.00/-0.06	0.50 +/-0.02	4.40	ECL-0019-0025-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0019KSF, Ellison 6799, Seeger RA
2.79 (0.110")	1.98 +1.02/-0.00	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")	2.01 +0.051/-0.000	0.38 +/-0.050	9.53	* ECL-0020-0028B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1501-X011
2.79 (0.110")	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")	2.18 +1.02/-0.00	0.56 +/-0.051	7.16	** ECL-0022-0028-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: A1500-C086
3.00 (0.118")	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")	2.30 +0.00/-0.06	0.60 +/-0.02	5.90	ECL-0023-0030-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0023KSF, Ellison 6799, Seeger RA
3.18 (0.125")	2.31 +0.76/-0.00	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")	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")	2.41 +0.051/-0.000	0.25 +/-0.025	5.84	* ECB-0024-0032-S42	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0012KSF, S73KW2-131-12
3.18 (0.125")	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
3.18 (0.125")	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")	2.41 +0.051/-0.000	0.38 +/-0.050	5.84	ECL-0024-0032A-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0012KSF, S73LW2-ER133-12
3.18 (0.125")	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")	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")	2.41 +1.02/-0.00	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")	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")	2.59 +1.52/-0.00	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")	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")	2.67 +0.051/-0.000	0.38 +/-0.051	6.86	* ECB-0027-0036-C	E-Clips - Bowed Carbon Spring Steel: N1501-0014, Rotorclip BE, MIL 16634



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

E-Clips

Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description
3.56 (0.140")	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")	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")	2.67 +0.051/-0.000	0.64 +/-0.050	6.85	ECL-0027-0036-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0014KSF
3.56 (0.140")	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")	2.59 +0.051/-0.000	0.25 +/-0.051	5.16	* ECB-0026-0037-C	E-Clips - Bowed Carbon Spring Steel: N1501-X014, Rotorclip BE, MIL 16634
3.97 (0.156")	2.95 +0.051/-0.000	0.38 +/-0.051	7.16	* ECB-0029-0039-C	E-Clips - Bowed Carbon Spring Steel: N1501-0015, Rotorclip BE, MIL 16634
3.97 (0.156")	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")	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")	2.95 +0.051/-0.000	0.64 +/-0.050	7.16	ECL-0029-0040A-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0015KSF, S73LW2-ER133-15
3.97 (0.156")	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")	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")	3.01 +/-0.102	0.89 +/-0.052	8.13	* ECL-0030-0039-C-KR	E-Clips - Klipring Carbon Steel: PO-015, Waldes 5304-T5304
3.97 (0.156")	3.05 +1.52/-0.00	0.61 +0.051/-0.000	7.87	* ECL-0031-0039B-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-S120
3.97 (0.156")	3.05 +1.02/-0.00	0.61 +0.051/-0.000	8.13	* ECL-0031-0039A-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-C120
3.97 (0.156")	3.15 +1.02/-0.00	0.31 +0.051/-0.000	10.31	* ECL-0032-0039-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-C124
4.37 (0.172")	3.18 +1.02/-0.00	0.51 +0.051/-0.000	12.70	* ECL-0032-0044-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-U125
4.37 (0.172")	3.23 +0.051/-0.000	0.38 +/-0.051	7.92	* ECB-0032-0044-C	E-Clips - Bowed Carbon Spring Steel: N1501-X017, Rotorclip BE, MIL 16634
4.37 (0.172")	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")	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")	3.18 +0.00/-0.075	0.60 +/-0.02	6.80	ECL-0032-0045-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0032KSF, Ellison 6799, Seeger RA
4.45 (0.175")	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")	3.18 +0.051/-0.000	0.31	9.53	* ECL-0032-0048C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-Z125
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 +0.051/-0.000	0.51	9.53	* ECL-0032-0048E-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-X125
4.78 (0.188")	3.18 +0.051/-0.000	0.64 +/-0.050	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-S42	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 +0.051/-0.000	0.51	8.51	* ECL-0037-0048C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A147
4.78 (0.188")	3.73 +0.051/-0.000	0.64 +/-0.050	8.51	ECL-0037-0048A-CZ	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0018AZD
4.78 (0.188")	3.73 +0.051/-0.000	0.64 +/-0.050	8.51	ECL-0037-0048A-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0018KSF, S73LW2-ER133-18

Stocked or Short Delivery

Usually Available Short Delivery

Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

E-Clips					
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")	3.73 +0.051/-0.000	0.64 +/-0.050	8.51	ECL-0037-0048A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0018, A 9Q29-18
4.78 (0.188")	3.73 +0.051/-0.000	0.64 +/-0.052	9.53	* ECL-0037-0048B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0018, MIL-3215
4.78 (0.188")	3.73 +0.051/-0.000	0.81	8.51	* ECL-0037-0048D-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-B147
4.78 (0.188")	3.76 +/-0.127	0.89 +/-0.052	10.16	ECL-0038-0048-C-KR	E-Clips - Klipring Carbon Steel: PO-018, Waldes 5304-T5304
4.78 (0.188")	3.76 +/-0.152	0.89 +/-0.052	10.16	ECL-0038-0048-S42-KRE	E-Clips - Klipring 420 Stainless Steel: PO-018-SS, Waldes 5304-T5304
5.00 (0.197")	4.00 +0.00/-0.075	0.70 +/-0.02	8.80	ECL-0040-0050-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0040, MD6799MQB040
5.00 (0.197")	4.00 +0.00/-0.075	0.70 +/-0.02	8.80	ECL-0040-0050-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0040KSF, Ellison 6799, Seeger RA
5.00 (0.197")	4.00 +0.00/-0.075	0.70 +/-0.02	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")	4.75 +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	11.10	* ECB-0048-0056-C	E-Clips - Bowed Carbon Spring Steel: N1501-X021
5.56 (0.219")	4.76 +0.051/-0.000	0.64 +/-0.050	11.10	** ECL-0048-0056A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X021, A 9Q29-X21
5.56 (0.219")	4.76 +/-0.051	0.64 +/-0.052	11.33	** ECL-0048-0056A-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: N1500-X021, MIL-3215, A 9Q29-X21
5.56 (0.219")	4.76 +0.051/-0.000	0.76	11.10	* ECL-0048-0056C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: B1500-A188
6.00 (0.236")	5.00 +0.00/-0.075	0.70 +/-0.02	10.75	ECL-0050-0060-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0050, MD6799MQB050
6.00 (0.236")	5.00 +0.00/-0.075	0.70 +/-0.02	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 +0.00/-0.075	0.70 +/-0.02	10.75	ECL-0050-0060-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0050KSF, Ellison 6799, Seeger RA
6.35 (0.250")	5.33 +/-0.051	0.64 +/-0.052	13.11	** ECL-0053-0064B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0025, MIL-3215
6.35 (0.250")	5.33 +0.076/-0.000	0.64 +/-0.050	13.39	ECL-0053-0064A-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0025AZD
6.35 (0.250")	5.33 +0.076/-0.000	0.64 +/-0.050	13.39	ECL-0053-0064A-CZ	E-Clips - Basic - Carbon Steel Zinc Plated Clear, SAE1065-1090: N1500-0025AZD
6.35 (0.250")	5.33 +0.076/-0.000	0.64 +/-0.050	13.39	ECL-0053-0064A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0025
6.35 (0.250")	5.33 +0.076/-0.000	0.64 +/-0.050	13.39	ECL-0053-0064A-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0025KSF, S73LW2-ER133-25
6.35 (0.250")	5.33 +0.076/-0.000	0.64 +/-0.051	13.39	* ECB-0053-0064-C	E-Clips - Bowed Carbon Spring Steel: N1501-0025, Rotorclip BE, MIL 16634
6.35 (0.250")	5.33 +0.076/-0.000	0.64 +/-0.051	13.39	* ECB-0053-0064-S42	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0025KSF, S73KW2-131-25
6.35 (0.250")	5.33 +/-0.152	0.89 +/-0.052	12.24	ECL-0053-0064-C-KR	E-Clips - Klipring Carbon Steel: PO-025, Waldes 5304-T5304
6.35 (0.250")	5.33 +/-0.152	0.89 +/-0.052	12.24	ECL-0053-0064-S42-KRE	E-Clips - Klipring 420 Stainless Steel: PO-025-SS, Waldes 5304-T5304
7.00 (0.276")	6.00 +0.00/-0.075	0.70 +/-0.02	11.75	ECL-0060-0070-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0060, Ellison 6799, Seeger RA
7.00 (0.276")	6.00 +0.00/-0.075	0.70 +/-0.02	11.75	ECL-0060-0070-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0060KSF, Ellison 6799, Seeger RA
7.94 (0.313")	6.33 +2.54/-0.00	0.38 +0.051/-0.000	15.88	* ECL-0063-0079-C	E-Clips - Basic - Carbon Steel A1500-C249
7.94 (0.313")	6.35 +0.076/-0.000	0.64 +/-0.050	12.70	** ECL-0064-0079A-S42E	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-X031KSF, S73LW2-ER133-31



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

E-Clips					
Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description
7.94 (0.313")	6.35 +0.076/-0.000	0.64 +/-0.050	12.70	* ECL-0064-0079A-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-X031, A 9Q29-X31
7.94 (0.313")	6.35 +0.076/-0.000	0.89 +/-0.051	12.70	ECB-0064-0079-S42	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-X031KSF, S73KW2-131-31
7.94 (0.313")	6.35	0.89	14.94	** ECL-0064-0079C-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0031
7.94 (0.313")	6.35 +0.076/-0.000	0.89 +/-0.051	12.70	* ECB-0064-0079-C	E-Clips - Bowed Carbon Spring Steel: N1501-X031, Rotorclip BE, MIL 16634
7.94 (0.313")	6.91 +/-0.152	1.07 +/-0.052	14.94	ECL-0069-0079-S42-KRE	E-Clips - Klipring 420 Stainless Steel: PO-031-SS, Waldes 5304-T5304
7.94 (0.313")	6.91 +/-0.152	1.07 +/-0.052	14.94	ECL-0069-0079-C-KR	E-Clips - Klipring Carbon Steel: PO-031, Waldes 5304-T5304
8.00 (0.315")	7.00 +0.00/-0.09	0.90 +/-0.02	13.80	ECL-0070-0080-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0070, Ellison 6799, Seeger RA
8.00 (0.315")	7.00 +0.00/-0.09	0.90 +/-0.02	13.80	ECL-0070-0080-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0070KSF, Ellison 6799, Seeger RA
8.71 (0.343")	7.14 +2.54/-0.00	0.51 +/-0.038	19.81	* ECL-0071-0087-C	E-Clips - Basic - Carbon Steel Phosphate and oil finish: A1500-U281
9.00 (0.354")	8.00 +0.00/-0.09	1.00 +/-0.03	15.60	ECL-0080-0090-C	E-Clips - Basic - Carbon Steel SAE1065-1090: D1500-0080, MD6799MQB080
9.00 (0.354")	8.00 +0.00/-0.09	1.00 +/-0.03	15.60	ECL-0080-0090-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0080KSF, Ellison 6799, Seeger RA
9.00 (0.354")	8.00 +0.00/-0.09	1.00 +/-0.03	15.75	* ECL-0080-0090-CZ	E-Clips - Basic - Carbon Steel Zinc Plated: D1500-0080AZG, Ellison 6799, Seeger RA
9.53 (0.375")	7.70 +0.076/-0.000	0.89 +/-0.050	16.76	ECL-0077-0095-CZ	E-Clips - Basic - Carbon Steel Zinc Plated Clear, SAE1065-1090: N1500-0037AZD
9.53 (0.375")	7.70 +0.076/-0.000	0.89 +/-0.050	16.76	ECL-0077-0095-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1500-0037, A 9Q29-37
9.53 (0.375")	7.70 +0.076/-0.000	0.89 +/-0.050	16.76	ECL-0077-0095-CZY	E-Clips - Basic - Carbon Steel Zinc Plated Yellow, SAE1065-1090: N1500-0037AZD
9.53 (0.375")	7.70 +0.076/-0.000	0.89 +/-0.050	16.76	ECL-0077-0095-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1500-0037KSF, S73LW2-ER133-37
9.53 (0.375")	7.70 +0.076/-0.000	0.89 +/-0.051	16.76	ECB-0077-0095-S42	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0037KSF, S73KW2-131-37
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 +/-0.152	1.07 +/-0.052	17.27	ECL-0084-0095-CZ-KR	E-Clips - Klipring Zinc Plated Carbon Steel: PO-037-ZD, Waldes 5304-T5304
9.53 (0.375")	8.41 +/-0.152	1.07 +/-0.052	17.27	ECL-0084-0095-C-KR	E-Clips - Klipring Carbon Steel: PO-037, Waldes 5304-T5304
10.00 (0.394")	9.00 +0.00/-0.09	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 +0.00/-0.09	1.10 +/-0.03	18.20	ECL-0090-0100-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0090KSF, Ellison 6799, Seeger RA
11.00 (0.433")	10.00 +0.00/-0.09	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 +0.00/-0.09	1.20 +/-0.03	19.65	ECL-0100-0110-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: D1500-0100KSF, Ellison 6799, Seeger RA
11.11 (0.437")	8.74 +0.076/-0.000	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 +0.076/-0.000	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 +0.076/-0.000	0.89 +/-0.050	17.45	ECL-0087-0111A-S42	E-Clips - Basic - Stainless Steel 420 Stainless Steel: N1501-0043KSF, S73LW2-ER133-43
11.11 (0.437")	8.74 +0.076/-0.000	0.89 +/-0.051	17.45	** ECB-0087-0111-S42	E-Clips - Bowed PH 15-7 Mo Stainless Steel: N1501-0043KSF, S73KW2-131-43
11.11 (0.437")	8.74	0.89	18.95	* ECL-0087-0111B-C	E-Clips - Basic - Carbon Steel SAE1065-1090: N1540-0043
11.11 (0.437")	9.65 +0.076/-0.000	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 +/-0.204	1.27 +/-0.052	19.10	ECL-0099-0111-CZ-KR	E-Clips - Klipring Zinc Plated Carbon Steel: PO-043-ZD, Waldes 5304-T5304



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

E-Clips

Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description
11.11 (0.437")	9.91 +/-0.204	1.27 +/-0.052	19.10	ECL-0099-0111-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-043, Waldes 5304-T5304</i>
11.91 (0.469") +1.91/-0.00	9.88 +0.076/-0.000	0.71 +/-0.051	17.45	* ECL-0099-0119-C	E-Clips - Basic - Carbon Steel <i>Phosphate and oil finish: A1500-S389</i>
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.050	20.32	ECL-0101-0127-CZ	E-Clips - Basic - Carbon Steel <i>Zinc Plated Clear, SAE1065-1090: N1500-0050AZD</i>
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.050	20.32	ECL-0101-0127-C	E-Clips - Basic - Carbon Steel <i>N1500-0050, A 9Q29-50</i>
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.050	20.32	ECL-0101-0127-CZY	E-Clips - Basic - Carbon Steel <i>Zinc Plated Yellow, SAE1065-1090: N1500-0050AZD</i>
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.050	20.32	ECL-0101-0127-S42	E-Clips - Basic - Stainless Steel <i>420 Stainless Steel: N1500-0050KSF, S73LW2-ER133-50</i>
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.051	20.32	* ECB-0101-0127-S42	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0050KSF, S73KW2-131-50</i>
12.70 (0.500")	10.06 +0.076/-0.000	1.07 +/-0.051	20.32	* ECB-0101-0127-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-0050, Rotorclip BE, MIL 16634</i>
12.70 (0.500")	11.18 +/-0.204	1.27 +/-0.052	20.98	ECL-0112-0127-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-050, Waldes 5304-T5304</i>
12.70 (0.500")	11.18 +/-0.204	1.27 +/-0.052	20.98	ECL-0112-0127-CZ-KR	E-Clips - Klipring <i>Zinc Plated Carbon Steel: PO-050-ZD, Waldes 5304-T5304</i>
12.70 (0.500")	11.18 +/-0.204	1.27 +/-0.052	20.98	ECL-0112-0127-S42-KR	E-Clips - Klipring <i>420 Stainless Steel: PO-050-SS, Waldes 5304-T5304</i>
13.00 (0.512")	12.00 +0.00/-0.11	1.30 +/-0.03	22.65	ECL-0120-0130-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: D1500-0120, MD6799MQB120</i>
13.00 (0.512")	12.00 +0.00/-0.11	1.30 +/-0.03	22.65	* ECL-0120-0130-S42	E-Clips - Basic - Stainless Steel <i>420 Stainless Steel: D1500-0120KSF, Ellison 6799, Seeger RA</i>
15.88 (0.625")	12.32 +0.076/-0.000	1.07 +/-0.050	23.88	ECL-0123-0159-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-0062</i>
15.88 (0.625")	12.32 +0.076/-0.000	1.07 +/-0.050	23.88	ECL-0123-0159-CZY	E-Clips - Basic - Carbon Steel <i>Zinc Plated Yellow, SAE1065-1090: N1500-0062AZD</i>
15.88 (0.625")	12.32 +0.076/-0.000	1.07 +/-0.050	23.88	ECL-0123-0159-S42	E-Clips - Basic - Stainless Steel <i>420 Stainless Steel: N1500-0062KSF, S73LW2-ER133-62</i>
15.88 (0.625")	12.32 +0.102/-0.000	1.27 +/-0.051	23.88	* ECB-0123-0159-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-0062, Rotorclip BE, MIL 16634</i>
15.88 (0.625")	12.32 +0.102/-0.000	1.27 +/-0.051	23.88	* ECB-0123-0159-S42	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0062KSF, S73KW2-131-62</i>
15.88 (0.625")	13.49 +/-0.204	1.27 +/-0.052	24.54	ECL-0135-0159-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-062, Waldes 5304-T5304</i>
15.88 (0.625")	13.49 +/-0.204	1.27 +/-0.052	24.54	ECL-0135-0159-S42-KR	E-Clips - Klipring <i>420 Stainless Steel: PO-062-SS, Waldes 5304-T5304</i>
16.00 (0.630")	15.00 +0.00/-0.11	1.50 +/-0.03	28.60	ECL-0150-0160-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: D1500-0150, Ellison 6799, Seeger RA</i>
16.00 (0.630")	15.00 +0.00/-0.11	1.50 +/-0.03	28.60	ECL-0150-0160-CZ	E-Clips - Basic - Carbon Steel <i>Zinc Plated, SAE1065-1090: D1500-0150AZG, Ellison 6799, Seeger RA</i>
18.90 (0.744")	15.88 +0.076/-0.000	1.27 +/-0.051	25.40	* ECB-0159-0189-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-X074, Rotorclip BE, MIL 16634</i>
19.05 (0.750")	14.73 +0.076/-0.000	1.27 +/-0.050	28.45	ECL-0147-0191-CZ	E-Clips - Basic - Carbon Steel <i>Zinc Plated Yellow, SAE1065-1090: N1500-0075</i>
19.05 (0.750")	14.73 +0.076/-0.000	1.27 +/-0.050	28.45	ECL-0147-0191-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-0075</i>
19.05 (0.750")	14.73 +0.076/-0.000	1.27 +/-0.050	28.45	ECL-0147-0191-S42	E-Clips - Basic - Stainless Steel <i>420 Stainless Steel: N1500-0075KSF, S73LW2-ER133-75</i>
19.05 (0.750")	14.73 +0.102/-0.000	1.27 +/-0.051	28.58	* ECB-0147-0191-S42	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0075KSF, S73KW2-131-75</i>
19.05 (0.750")	14.73 +0.102/-0.000	1.27 +/-0.051	28.58	* ECB-0147-0191-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-0075, Rotorclip BE, MIL 16634</i>
19.05 (0.750")	15.88 +0.076/-0.000	1.27 +/-0.050	25.40	ECL-0159-0191-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-X074</i>
19.05 (0.750")	15.88 +0.076/-0.000	1.27 +/-0.051	25.40	* ECB-0159-0191-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-0075, Rotorclip BE, MIL 16634</i>
19.05 (0.750")	15.88 +0.076/-0.000	1.27 +/-0.051	25.40	* ECB-0159-0191-S42	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0075KSF, S73KW2-131-75</i>



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

E-Clips					
Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description
19.05 (0.750")	16.05 +/-0.252	1.58 +/-0.076	15.09	ECL-0161-0191-S42-KRE-Clips - Klipring	420 Stainless Steel: PO-075-SS, Waldes 5304-T5304
19.05 (0.750")	16.05 +/-0.252	1.58 +/-0.076	15.09	ECL-0161-0191-CZ-KR E-Clips - Klipring	Zinc Plated Carbon Steel: PO-075-ZD, Waldes 5304-T5304
19.05 (0.750")	16.05 +/-0.252	1.58 +/-0.076	15.09	ECL-0161-0191-C-KR E-Clips - Klipring	Carbon Steel: PO-075, Waldes 5304-T5304
20.00 (0.787")	19.00 +0.00/-0.13	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 +0.076/-0.000	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 +0.076/-0.000	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 +0.076/-0.000	1.27 +/-0.050	33.02	ECL-0171-0222-S42 E-Clips - Basic - Stainless Steel	420 Stainless Steel: N1500-0087KSF, S73LW2-ER133-87
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
22.23 (0.875")	17.15 +0.102/-0.000	1.27 +/-0.051	33.02	* ECB-0171-0222-S42 E-Clips - Bowed	PH 15-7 Mo Stainless Steel: N1501-0087KSF, S73KW2-131-87
24.99 (0.984")	21.21 +0.076/-0.000	1.27 +/-0.050	38.10	* ECL-0212-0250-C E-Clips - Basic - Carbon Steel	SAE1065-1090: N1500-X098, S73LW2-ER133-98C
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
25.00 (0.984")	24.00 +0.00/-0.13	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 +/-0.252	1.98 +/-0.076	35.94	ECL-0218-0254-C-KR E-Clips - Klipring	Carbon Steel: PO-100, Waldes 5304-T5304
30.16 (1.187")	27.41 +0.127/-0.000	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 +/-0.252	2.36 +/-0.076	45.72	ECL-0277-0318-C-KR E-Clips - Klipring	Carbon Steel: PO-125, Waldes 5304-T5304
34.93 (1.375")	31.24 +0.127/-0.000	1.58 +/-0.075	47.63	** ECL-0312-0349-C E-Clips - Basic - Carbon Steel	SAE1065-1090: N1500-X137
34.93 (1.375")	31.24 +0.102/-0.000	1.58 +/-0.076	47.63	* ECB-0312-0349-C E-Clips - Bowed	Carbon Spring Steel: N1501-X137, Rotorclip BE, MIL 16634
38.10 (1.500")	33.45 +/-0.252	2.77 +/-0.076	52.07	ECL-0335-0381-C-KR E-Clips - Klipring	Carbon Steel: PO-150, Waldes 5304-T5304
38.10 (1.500")	33.45 +/-0.252	3.18 +/-0.076	58.42	ECL-0335-0381-CZ-KR E-Clips - Klipring	Zinc Plated Carbon Steel: PO-150-ZD, Waldes 5304-T5304
44.45 (1.750")	37.59 +/-0.381	3.18 +/-0.102	67.31	ECL-0376-0445-C-KR E-Clips - Klipring	Carbon Steel: PO-175, Waldes 5304-T5304



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

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.



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Circlip and E-Clip Range