



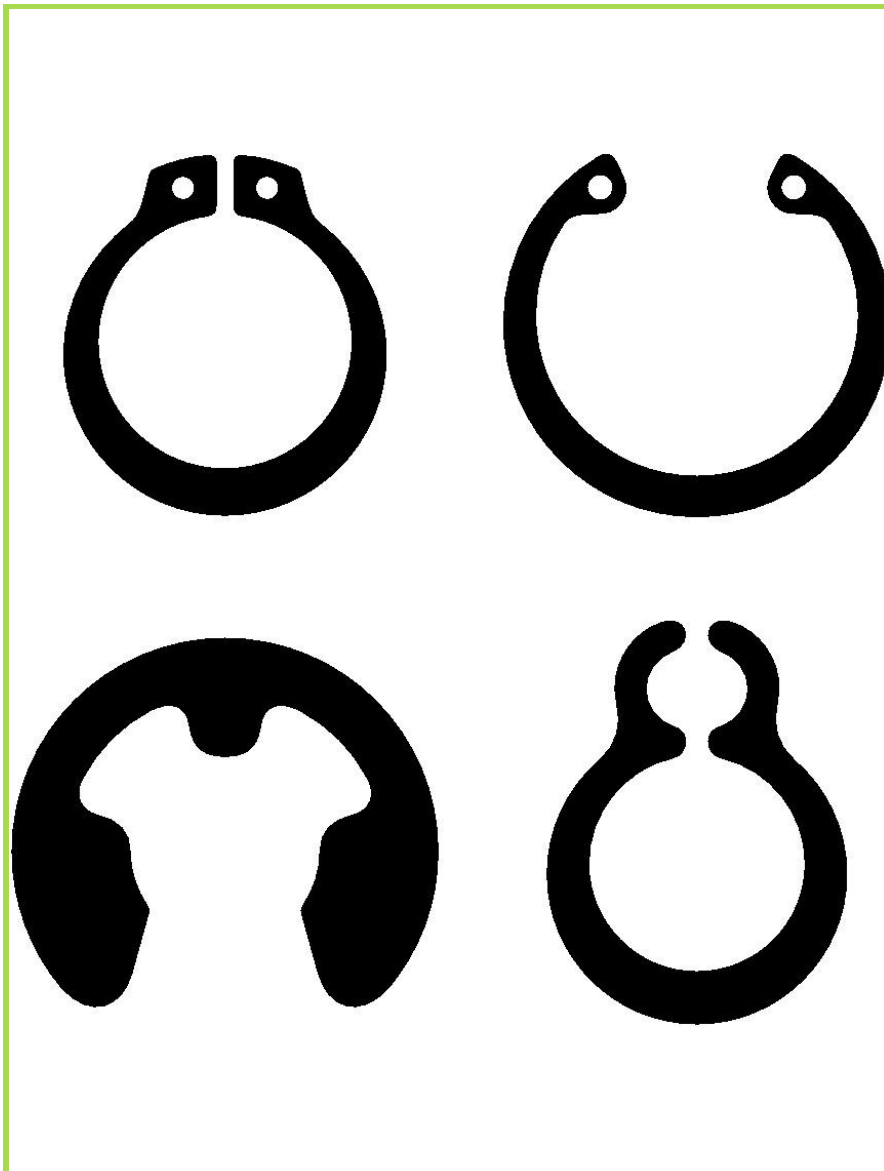
MBA

2022.1

Circlip and E-Clip Range

Carbon Steel - Stainless Steel - Zinc Plated

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



Pages

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

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

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

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

- Grooveless
- 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
S15: P15-7 Mo Stainless Steel
S42: 420 Stainless Steel

Size:

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

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

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

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

Only 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 Carbon Spring Steel: A3X0.4, MD0471MQB003
3.18 (0.125")	2.97 +/-0.038	0.25 +/-0.025	2.80	CCE-00318-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0012
3.18 (0.125")	2.97 +/-0.038	0.25 +/-0.025	2.84	CCE-00318-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0012BC, A1/8X.011IN
3.18 (0.125")	2.97 +/-0.038	0.25 +/-0.025	2.80	CCE-00318-BZ	Circlips - External - Standard - Zinc Plated Zinc Plated Beryllium Copper: N1400-0012BCZ
3.97 (0.156")	3.71 +/-0.038	0.30 +/-0.025	3.60	CCE-00397-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0015BC
3.97 (0.156")	3.71 +/-0.038	0.30 +/-0.025	3.60	** CCE-00397-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0015AZD
3.97 (0.156")	3.71 +/-0.038	0.30 +/-0.025	3.60	CCE-00397-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0015, A 9Q27-015
3.97 (0.156")	3.71 +/-0.038	0.30 +/-0.025	3.60	CCE-00397-BZ	Circlips - External - Standard - Zinc Plated Zinc Plated Beryllium Copper: N1400-0015BCZ
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 Carbon Spring Steel: A4X0.4, D1400-0040
4.00 (0.157")	3.80 +0.00/-0.04	0.40 +0.00/-0.05	3.70	CCE-00400-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A4X0.4-411, D1400-0040KSF, CX-4S
4.78 (0.188")	4.45 +/-0.038	0.38 +/-0.051	4.27	CCE-00478-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0018BC
4.78 (0.188")	4.45 +/-0.038	0.38 +/-0.051	4.27	* CCE-00478-C	Circlips - External - Standard - Carbon Steel Carbon Steel: N1400-0018, A 9Q27-018, A3/16X.015IN
4.78 (0.188")	4.45 +/-0.038	0.38 +/-0.051	4.30	CCE-00478-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0018AZD
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 Carbon Spring Steel: A5X0.6, D1400-0050
5.00 (0.197")	4.78 +0.00/-0.04	0.60 +0.00/-0.05	4.70	CCE-00500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A5X0.6-411, D1400-0050KSF
5.01 (0.197")	4.78 +/-0.038	0.38 +/-0.051	4.60	CCE-00501-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0019BC
5.01 (0.197")	4.78 +/-0.038	0.40 +/-0.051	4.60	CCE-00501-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0019
5.56 (0.219")	5.21 +/-0.038	0.40 +/-0.051	5.00	CCE-00556-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0022BC, A 9Q27-021
5.56 (0.219")	5.21 +/-0.038	0.40 +/-0.051	5.00	CCE-00556-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0022
5.95 (0.234")	5.60 +/-0.038	0.40 +/-0.051	5.50	CCE-00595-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0023BC
5.95 (0.234")	5.60 +/-0.038	0.40 +/-0.051	5.50	CCE-00595-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0023
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 Carbon Spring Steel: A6X0.7, D1400-0060
6.00 (0.236")	5.70 +0.00/-0.04	0.70 +0.00/-0.05	5.60	CCE-00600-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A6X0.7-411, D1400-0060KSF, CX-6S
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0025
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0025KSF, S73HW2-100-025
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0025AZD
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0025BC
6.35 (0.250")	5.84 +/-0.038	0.64 +/-0.051	5.72	CCE-00635-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0025AZD
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 Carbon Spring Steel: A7X0.8, D1400-0070
7.00 (0.276")	6.70 +0.00/-0.06	0.80 +0.00/-0.05	6.50	CCE-00700-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A7X0.8-411, D1400-0070KSF, CX-7S
7.01 (0.276")	6.48 +/-0.051	0.64 +/-0.051	6.35	CCE-00701-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0027KSF, S73HW2-100-027

Stocked or Short Delivery

Usually Available Short Delivery

Long delivery or not in current production

* Large Minimum Quantities

** Available only while stock lasts

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E&OE

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-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0027</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>	
7.14 (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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0031KSF</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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0034KSF, S73HW2-100-034</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>	
8.74 (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>	
8.99 (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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0039, MIL-3217, Waldes 5160
10.01 (0.394")	9.35 +0.025/-0.052	0.89 +/-0.051	9.20	CCE-01001H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0039KSR, 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0050KSF, S73HW2-100-050
12.70 (0.500")	11.89 +/- 0.051	0.89 +/- 0.051	11.71	CCE-01270-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0050KSF, MIL-16626, Waldes 5108
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0050AZD
12.70 (0.500")	11.89 +/-0.051	0.89 +/-0.051	11.71	CCE-01270-CZ	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-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0050BC



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-CZT	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0050AZD	
12.70 (0.500")	11.89 +0.025/-0.052	1.27 +/-0.051	11.68	CCE-01270H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0050, MIL-3217, Walde 5160	
12.70 (0.500")	11.89 +0.025/-0.052	1.27 +/-0.051	11.68	CCE-01270H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0050KSR, MIL-3217, Walde 5160	
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 Carbon Spring Steel: A13X1, D1400-0130	
13.00 (0.512")	12.40 +0.00/-0.11	1.00 +0.00/-0.06	11.90	CCE-01300-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A13X1-411, D1400-0130KSF	
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 Spring Steel: M1408-0130, Seeger AV, Ellison EXTV	
13.99 (0.551")	13.18 +/-0.051	0.89 +/-0.051	12.93	CCE-01399-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0055KSF, S73HW2-100-055	
13.99 (0.551")	13.18 +/-0.051	0.89 +/-0.051	12.93	CCE-01399-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0055	
13.99 (0.551")	13.18 +/-0.051	0.89 +/-0.051	12.93	CCE-01399-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0055AZD	
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 Carbon Spring Steel: A14X1, D1400-0140	
14.00 (0.551")	13.40 +0.00/-0.11	1.00 +0.00/-0.06	12.90	CCE-01400-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A14X1-411, D1400-0140KSF, CX-14S	
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 Spring Steel: M1408-0140, Seeger AV, Ellison EXTV	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0056	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0056KSF	
14.29 (0.563")	13.46 +/- 0.051	0.89 +/- 0.051	13.23	CCE-01429-C-V	Circlips - External - Inverted Spring Steel: N1408-0056, MIL-16626, Walde 5108	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0056AZD	
14.29 (0.563")	13.46 +/-0.051	0.89 +/-0.051	13.20	CCE-01429-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0056BC	
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 Carbon Spring Steel: D1460-0150, AS15X1.5	
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 Carbon Spring Steel	
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 Carbon Spring Steel	
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 Carbon Spring Steel: A15X1, D1400-0150	
15.00 (0.591")	14.30 +0.00/-0.11	1.00 +0.00/-0.06	13.80	CCE-01500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A15X1-411, D1400-0150KSF, CX-15S	
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 Spring Steel: M1408-0150, Seeger AV, Ellison EXTV	
15.09 (0.594")	14.10 +0.025/-0.076	1.27 +/-0.051	13.97	CCE-01509H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0059, MIL-3217, Walde 5160	
15.09 (0.594")	14.10 +0.025/-0.076	1.27 +/-0.051	13.97	CCE-01509H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0059KSR, MIL-3217, Walde 5160	
15.09 (0.594")	14.20 +/- 0.076	0.89 +/- 0.051	13.97	CCE-01509-C-V	Circlips - External - Inverted Spring Steel: N1408-0059, MIL-16626, Walde 5108	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	13.97	CCE-01509-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0059	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	14.00	CCE-01509-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0059KSF	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	14.00	CCE-01509-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0059AZD	
15.09 (0.594")	14.20 +/-0.076	0.89 +/-0.051	14.00	CCE-01509-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0059AZD	
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	



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-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0062</i>
15.88 (0.625")	14.94 +/-0.076	0.89 +/-0.051	14.71	CCE-01588-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0062KSF, S73HW2-100-062</i>
15.88 (0.625")	14.94 +/-0.076	0.89 +/-0.051	14.70	CCE-01588-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0062AZD</i>
15.88 (0.625")	14.94 +/- 0.076	1.07 +/- 0.051	14.71	CCE-01588-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0062, MIL-16626, Waldes 5108</i>
15.88 (0.625")	14.94 +/- 0.076	1.07 +/- 0.051	14.71	CCE-01588-CZY-V	Circlips - External - Standard - Zinc Plated <i>Zinc Plated, Yellow, Spring Steel: N1408-0062AZD, MIL-16626, Waldes 5108</i>
15.88 (0.625")	14.94 +0.025/-0.076	1.27 +/-0.051	14.61	CCE-01588H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0062, MIL-3217, Waldes 5160</i>
15.88 (0.625")	14.94 +0.025/-0.076	1.27 +/-0.051	14.61	CCE-01588H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0062KSR, MIL-3217, Waldes 5160</i>
15.88 (0.625")	14.94 +0.025/-0.076	1.27 +/-0.051	14.61	CCE-01588H-CZY	Circlips - External - Standard - Zinc Plated <i>Carbon Spring Steel: N1460-0062AZD, MIL-3217, Waldes 5160</i>
16.00 (0.630")	15.10 +0.00/-0.11	1.50 +0.00/-0.06	14.60	CCE-01600HB-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>
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 <i>Carbon Spring Steel: A16X1, D1400-0160</i>
16.00 (0.630")	15.20 +0.00/-0.11	1.00 +0.00/-0.06	14.70	CCE-01600-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A16X1-411, D1400-0160KSF, CX-16S</i>
16.00 (0.630")	15.20 +0.00/-0.11	1.00 +0.00/-0.06	14.70	CCE-01600-C-V	Circlips - External - Inverted <i>Spring Steel: M1408-0160, Seeger AV, Ellison EXTV</i>
16.00 (0.630")	15.20 +0.00/-0.11	1.50 +0.00/-0.06	14.70	CCE-01600H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0160, AS16X1.5</i>
16.00 (0.630")	15.20 +0.00/-0.11	1.50 +0.00/-0.06	14.70	CCE-01600HA-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>
16.99 (0.669")	15.98 +0.025/-0.076	1.27 +/-0.051	15.65	CCE-01699H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1460-0066, MIL-3217, Waldes 5160</i>
16.99 (0.669")	15.98 +0.025/-0.076	1.27 +/-0.051	15.65	CCE-01699H-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1460-0066KSR, MIL-3217, Waldes 5160</i>
17.00 (0.669")	16.00 +0.00/-0.11	1.50 +0.00/-0.06	15.60	CCE-01700HB-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel</i>
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 <i>Spring Steel: M1408-0170, Seeger AV, Ellison EXTV</i>
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 <i>Carbon Spring Steel: A17X1, D1400-0170</i>
17.00 (0.669")	16.20 +0.00/-0.11	1.00 +0.00/-0.06	15.70	CCE-01700-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A17X1-411, D1400-0170KSF, CX-17S</i>
17.00 (0.669")	16.20 +0.00/-0.11	1.50 +0.00/-0.06	15.70	CCE-01700H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-0170, AS17X1.5</i>
17.07 (0.672")	16.03 +/-0.076	0.89 +/-0.051	15.77	CCE-01707-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0066</i>
17.07 (0.672")	16.03 +/-0.076	0.89 +/-0.051	15.80	CCE-01707-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0066KSF</i>
17.07 (0.672")	16.03 +/-0.076	0.89 +/-0.051	15.80	CCE-01707-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0066AZD</i>
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.13	CCE-01746-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0068KSF, S73HW2-100-068</i>
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.10	CCE-01746-B	Circlips - External - Standard - Beryllium Copper <i>Beryllium Copper: N1400-0068BC</i>
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.10	CCE-01746-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0068AZD</i>
17.46 (0.687")	16.41 +/- 0.076	1.07 +/- 0.051	16.13	CCE-01746-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0068KSF, MIL-16626, Waldes 5108</i>
17.46 (0.687")	16.41 +/-0.076	1.07 +/-0.051	16.13	CCE-01746-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0068, A-11/16</i>
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 <i>Carbon Spring Steel</i>
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 <i>Carbon Spring Steel: A18X1.2, D1400-0180</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
18.00 (0.709")	17.00 +0.00/-0.11	1.20 +0.00/-0.06	16.50	CCE-01800-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0075KSF, S73HW2-100-075
19.05 (0.750")	17.88 +/- 0.076	1.07 +/- 0.051	17.60	CCE-01905-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0075KSF, MIL-16626, Waldes 5108
19.05 (0.750")	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-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-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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0075KSR, MIL-3217, Waldes 5160
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-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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A20X1.2-411, D1400-0200KSF, CX-20S
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/-0.13	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	1.75 +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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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 Zinc Plated Yellow: N1400-0081AZD	
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 Carbon Spring Steel: A21X1.2, D1400-0210	
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 Spring Steel: M1408-0210, Seeger AV, Ellison EXTV	
21.43 (0.844")	20.10 +/-0.076	1.07 +/-0.051	19.80	CCE-02143-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0084	
21.43 (0.844")	20.10 +/-0.076	1.07 +/-0.051	19.80	CCE-02143-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0084KSF	
21.43 (0.844")	20.10 +/-0.076	1.07 +/-0.051	19.80	CCE-02143-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0084AZD	
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 Carbon Spring Steel	
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 Carbon Spring Steel: A22X1.2, D1400-0220	
22.00 (0.866")	21.00 +0.00/-0.13	1.20 +0.00/-0.06	20.50	CCE-02200-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A22X1.2-411, D1400-0220KSF, CX-22S	
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 Spring Steel: M1408-0220, Seeger AV, Ellison EXTV	
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 Carbon Spring Steel: D1460-0220, AS22X1.8	
22.23 (0.875")	20.85 +/- 0.076	1.07 +/- 0.051	20.57	CCE-02223-C-V	Circlips - External - Inverted Spring Steel: N1408-0087, MIL-16626, Waldes 5108	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0087	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0087KSF, S73HW2-100-087	
22.23 (0.875")	20.85 +/- 0.076	1.07 +/- 0.051	20.57	CCE-02223-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0087KSF, MIL-16626, Waldes 5108	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0087AZD	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0087AZD	
22.23 (0.875")	20.85 +/-0.076	1.07 +/-0.051	20.57	CCE-02223-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0087BC	
22.23 (0.875")	20.85 +0.025/-0.076	1.98 +/-0.076	20.42	CCE-02223H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0087, MIL-3217, Waldes 5160	
22.23 (0.875")	20.85 +0.025/-0.076	1.98 +/-0.076	20.42	CCE-02223H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0087AZD, MIL-3217, Waldes 5160	
22.23 (0.875")	20.85 +0.025/-0.076	1.98 +/-0.076	20.42	CCE-02223H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0087KSR, MIL-3217, Waldes 5160	
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 Carbon Spring Steel: D1460-0230, AS23X1.8	
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 Carbon Spring Steel: A23X1.2, D1400-0230	
23.00 (0.906")	22.00 +0.00/-0.21	1.20 +0.00/-0.06	21.50	CCE-02300-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A23X1.2-411, D1400-0230KSF	
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 Spring Steel: M1408-0230, Seeger AV, Ellison EXTV	
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 Zinc Plated Yellow: A23X1.2Z, D1400-0230	
23.81 (0.937")	22.40 +/-0.076	1.07 +/-0.051	22.00	CCE-02381-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0093KSF	
23.81 (0.937")	22.40 +/-0.076	1.07 +/-0.051	22.00	CCE-02381-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0093	
23.81 (0.937")	22.40 +/-0.076	1.07 +/-0.051	22.00	CCE-02381-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0093AZD	
23.81 (0.937")	22.40 +/- 0.076	1.07 +/- 0.051	22.02	* CCE-02381-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0093KSF, MIL-16626, Waldes 5108	
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 Carbon Spring Steel	



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
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-C-V	Circlips - External - Inverted Spring Steel: M1408-0240, Seeger AV, Ellison EXTV
24.00 (0.945")	22.90 +0.00/-0.21	1.20 +0.00/-0.06	22.20	CCE-02400-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A24X1.2, D1400-0240KSF, CX-24S
24.00 (0.945")	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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-V	Circlips - External - Inverted Spring Steel: M1408-0250, Seeger AV, Ellison EXTV
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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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	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-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: 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-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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0100KSF, S73HW2-100-100
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-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0100AZD
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 +0.025/-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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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



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	
26.00 (1.024")	24.90 +0.00/-0.21	1.20 +0.00/-0.06	24.20	CCE-02600-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A26X1.2-411, D1400-0260KSF, CX-26S	
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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-C-V	Circlips - External - Inverted Spring Steel: M1408-0280, Seeger AV, Ellison EXTV	
28.00 (1.102")	26.60 +0.00/-0.21	1.50 +0.00/-0.06	25.90	CCE-02800-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A28X1.5-411, D1400-0280KSF	
28.00 (1.102")	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-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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0112KSF, S73HW2-100-112	
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 +0.051/-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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A29X1.5-411, D1400-0290KSF	
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	
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	
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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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	

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 Spring Steel: M1408-0300, Seeger AV, Ellison EXTV	
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 Carbon Spring Steel: D1460-0300, AS30X2	
30.16 (1.187")	28.14 +0.00/-0.10	1.27 +/-0.05	27.51	CEB-03016-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0119, MIL-16630, Waldes 5102	
30.16 (1.187")	28.22 +0.051/-0.102	2.36 +/-0.076	27.61	CCE-03016H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0118, MIL-3217, Waldes 5160	
30.16 (1.187")	28.22 +0.051/-0.102	2.36 +/-0.076	27.61	CCE-03016H-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1460-0118KSR, MIL-3217, Waldes 5160	
30.16 (1.187")	28.22 +0.051/-0.102	2.36 +/-0.076	27.61	CCE-03016H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0118AZD, MIL-3217, Waldes 5160	
30.16 (1.187")	28.40 +/- 0.102	1.27 +/- 0.051	27.89	CCE-03016-C-V	Circlips - External - Inverted Spring Steel: N1408-0119, MIL-16626, Waldes 5108	
30.16 (1.187")	28.40 +/-0.102	1.27 +/-0.051	27.89	CCE-03016-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0118	
30.16 (1.187")	28.40 +/-0.102	1.27 +/-0.051	27.89	CCE-03016-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0118KSF, S73HW2-100-118	
30.16 (1.187")	28.40 +/-0.102	1.27 +/-0.051	27.90	CCE-03016-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0118AZD	
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 Carbon Spring Steel: A31X1.5, D1400-0310	
31.75 (1.250")	29.62 +0.00/-0.10	1.27 +/-0.05	28.98	* CEB-03175-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0125, MIL-16630, Waldes 5102	
31.75 (1.250")	29.82 +0.051/-0.102	2.36 +/-0.076	29.21	CCE-03175H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1460-0125, MIL-3217, Waldes 5160	
31.75 (1.250")	29.82 +0.051/-0.102	2.36 +/-0.076	29.21	CCE-03175H-CZ	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0125AZD, MIL-3217, Waldes 5160	
31.75 (1.250")	29.82 +0.051/-0.102	2.36 +/-0.076	29.21	CCE-03175H-CZY	Circlips - External - Standard - Zinc Plated Carbon Spring Steel: N1460-0125AZD, MIL-3217, Waldes 5160	
31.75 (1.250")	29.87 +/-0.102	1.27 +/-0.051	29.36	CCE-03175-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0125	
31.75 (1.250")	29.87 +/-0.102	1.27 +/-0.051	29.36	CCE-03175-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0125KSF, S73HW2-100-125	
31.75 (1.250")	29.87 +/- 0.102	1.27 +/- 0.051	29.36	CCE-03175-C-V	Circlips - External - Inverted Spring Steel: N1408-0125, MIL-16626, Waldes 5108	
31.75 (1.250")	29.87 +/- 0.102	1.27 +/- 0.051	29.36	CCE-03175-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: N1408-0125KSF, MIL-16626, Waldes 5108	
31.75 (1.250")	29.90 +/-0.102	1.27 +/-0.051	29.40	CCE-03175-CZ	Circlips - External - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: N1400-0125AZD	
31.75 (1.250")	29.90 +/-0.102	1.27 +/-0.051	29.40	CCE-03175-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0125AZD	
31.75 (1.250")	29.90 +/-0.102	1.27 +/-0.051	29.40	CCE-03175-B	Circlips - External - Standard - Beryllium Copper Beryllium Copper: N1400-0125BC	
32.00 (1.260")	30.05 +0.00/-0.25	1.50 +0.00/-0.06	29.60	CCE-03200-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A32X1.5-411, D1400-0320KSF	
32.00 (1.260")	30.30 +0.00/-0.25	1.50 +0.00/-0.06	29.60	CCE-03200-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A32X1.5, D1400-0320	
32.00 (1.260")	30.30 +0.00/-0.25	1.50 +0.00/-0.06	29.60	CCE-03200-C-V	Circlips - External - Inverted Spring Steel: M1408-0320, Seeger AV, Ellison EXTV	
32.00 (1.260")	30.30 +0.00/-0.21	2.00 +0.00/-0.07	29.60	CCE-03200H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0320, AS32X2	
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 Carbon Spring Steel: A33X1.5, D1400-0330	
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 Carbon Spring Steel: D1460-0330, AS33X2	
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 Carbon Spring Steel	
33.38 (1.314")	31.09 +0.00/-0.10	1.27 +/-0.05	30.45	* CEB-03338-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0131, MIL-16630, Waldes 5102	
33.38 (1.314")	31.29 +/- 0.102	1.27 +/- 0.051	30.84	CCE-03332-C-V	Circlips - External - Inverted Spring Steel: N1408-0131, MIL-16626, Waldes 5108	

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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0138KSF, S73HW2-100-137</i>	
34.93 (1.375")	32.79 +/- 0.102	1.27 +/- 0.051	32.31	CCE-03493-S15-V	Circlips - External - Inverted <i>Stainless Steel PH15-7 Mo: N1408-0137KSF, MIL-16626, Waldes 5108</i>	
34.93 (1.375")	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 +0.051/-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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0143</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>	

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

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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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	

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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A48X1.75SS, 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	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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15-V	Circlips - External - Inverted Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0225KSF	

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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	
57.15 (2.250")	53.90 +/-0.152	1.98 +/-0.076	52.90	CCE-05715-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0225AZD	
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 Carbon Spring Steel: A58X2, D1400-0580	
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 Spring Steel: M1408-0580, Seeger AV, Ellison EXTV	
58.00 (2.283")	55.00 +0.00/-0.30	2.00 +0.00/-0.07	53.80	CCE-05800-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A58X2, D1400-0580	
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 Carbon Spring Steel: D1460-0580, AS58X3	
58.74 (2.313")	54.71 +0.00/-0.15	1.98 +/-0.08	53.70	CEB-05874-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0231, MIL-16630, Waldes 5102	
58.74 (2.313")	55.30 +/-0.152	1.98 +/-0.076	54.30	CCE-05874-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0231KSF	
58.74 (2.313")	55.30 +/-0.152	1.98 +/-0.076	54.30	CCE-05874-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0231AZD	
58.74 (2.313")	55.32 +/-0.152	1.98 +/-0.076	54.33	CCE-05874-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0231	
60.00 (2.362")	56.70 +0.00/-0.30	2.00 +0.00/-0.07	55.80	CCE-06000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A60X2-411, D1400-0600KSF	
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 Carbon Spring Steel: A60X2, D1400-0600	
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 Spring Steel: M1408-0600, Seeger AV, Ellison EXTV	
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 Carbon Spring Steel: D1460-0600, AS60X3	
60.33 (2.375")	56.18 +0.00/-0.15	1.98 +/-0.08	55.17	CEB-06033-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0237, MIL-16630, Waldes 5102	
60.33 (2.375")	56.87 +/-0.152	1.98 +/-0.076	55.80	CCE-06033-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0237	
60.33 (2.375")	56.90 +/-0.152	1.98 +/-0.076	55.80	CCE-06033-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0237KSF	
60.33 (2.375")	56.90 +/-0.152	1.98 +/-0.076	55.80	CCE-06033-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0237AZD	
61.91 (2.437")	57.66 +0.00/-0.15	1.98 +/-0.08	56.64	* CEB-06191-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0243, MIL-16630, Waldes 5102	
61.91 (2.437")	58.39 +/-0.152	1.98 +/-0.076	57.28	CCE-06191-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0243	
61.91 (2.437")	58.39 +/-0.152	1.98 +/-0.076	57.30	CCE-06191-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0243	
61.91 (2.437")	58.39 +/-0.152	1.98 +/-0.076	57.30	CCE-06191-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0243AZD	
62.00 (2.441")	58.70 +0.00/-0.30	2.00 +0.00/-0.07	57.80	CCE-06200-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A62X2-411, D1400-0620KSF	
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 Carbon Spring Steel: A62X2, D1400-0620	
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 Carbon Spring Steel: A63X2, D1400-0630	
63.50 (2.500")	59.13 +0.00/-0.15	1.98 +/-0.08	58.12	CEB-06350-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0250, MIL-16630, Waldes 5102	
63.50 (2.500")	59.94 +/-0.152	1.98 +/-0.076	58.75	CCE-06350-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0250	
63.50 (2.500")	59.94 +/-0.152	1.98 +/-0.076	58.75	CCE-06350-C-V	Circlips - External - Inverted Spring Steel: N1408-0250, MIL-16626, Waldes 5108	
63.50 (2.500")	59.94 +/-0.152	1.98 +/-0.076	58.80	CCE-06350-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0250KSF	
63.50 (2.500")	59.94 +/-0.152	1.98 +/-0.076	58.80	CCE-06350-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0250AZD	
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 Carbon Spring Steel: A64X2, D1400-0640	
64.99 (2.559")	61.44 +/-0.152	1.98 +/-0.076	60.38	CCE-06499-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0255	

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

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	
73.03 (2.875")	69.11 +/-0.152	2.36 +/-0.076	67.50	CCE-07303-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0287KSF	
73.03 (2.875")	69.11 +/-0.152	2.36 +/-0.076	67.54	CCE-07303-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0287	
73.03 (2.875")	69.11 +/-0.152	2.36 +/-0.076	67.50	CCE-07303-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0287AZD	
74.61 (2.937")	70.59 +/-0.152	2.36 +/-0.076	69.00	CCE-07461-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0293	
74.61 (2.937")	70.59 +/-0.152	2.36 +/-0.076	69.00	CCE-07461-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0293KSF	
74.61 (2.937")	70.59 +/-0.152	2.36 +/-0.076	69.00	CCE-07461-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0293AZD	
74.61 (2.937")	71.04 +0.00/-0.15	2.36 +/-0.08	68.25	* CEB-07461-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0293, MIL-16630, Waldes 5102	
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 Carbon Spring Steel: A75X2.5, MD0471MQB075, D1400-0750	
75.00 (2.953")	72.00 +0.00/-0.30	2.50 +0.00/-0.07	70.50	CCE-07500-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A75-411, D1400-0750KSF	
75.00 (2.953")	72.00 +0.00/-0.30	2.50 +0.00/-0.07	70.50	CCE-07500-C-V	Circlips - External - Inverted Spring Steel: M1408-0750, Seeger AV, Ellison EXTV	
75.00 (2.953")	72.00 +0.00/-0.30	4.00 +0.00/-0.10	70.50	CCE-07500H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0750, AS75X4	
76.20 (3.000")	70.99 +0.00/-0.15	2.36 +/-0.08	69.72	* CEB-07620-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0300, MIL-16630, Waldes 5102	
76.20 (3.000")	72.09 +/-0.152	2.36 +/-0.076	70.49	CCE-07620-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0300	
76.20 (3.000")	72.09 +/-0.152	2.36 +/-0.076	70.50	CCE-07620-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0300KSF	
76.20 (3.000")	72.09 +/-0.152	2.36 +/-0.076	70.50	CCE-07620-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0300AZD	
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 Carbon Spring Steel: A77X2.5, D1400-0770	
77.79 (3.063")	72.44 +0.00/-0.15	2.36 +/-0.08	71.17	* CEB-07779-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0306, MIL-16630, Waldes 5102	
77.79 (3.063")	73.61 +/-0.152	2.36 +/-0.076	73.00	CCE-07779-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0306	
77.79 (3.063")	73.61 +/-0.152	2.36 +/-0.076	73.00	CCE-07779-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0306AZD	
77.79 (3.063")	73.61 +/-0.152	2.36 +/-0.076	73.00	CCE-07779-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0306KSF	
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 Carbon Spring Steel: A78X2.5, D1400-0780	
79.38 (3.125")	73.96 +0.00/-0.15	2.36 +/-0.08	72.69	* CEB-07938-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0312, MIL-16630, Waldes 5102	
79.38 (3.125")	75.11 +/-0.152	2.36 +/-0.076	73.46	CCE-07938-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: N1400-0312	
79.38 (3.125")	75.11 +/-0.152	2.36 +/-0.076	73.50	CCE-07938-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0312KSF	
79.38 (3.125")	75.11 +/-0.152	2.36 +/-0.076	73.50	CCE-07938-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0312AZD	
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 Carbon Spring Steel: A80X2.5, D1400-0800	
80.00 (3.150")	76.50 +0.00/-0.30	2.50 +0.00/-0.07	74.50	CCE-08000-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A80X2.5SS, D1400-0800KSF	
80.00 (3.150")	76.50 +0.00/-0.30	2.50 +0.00/-0.07	74.50	CCE-08000-C-V	Circlips - External - Inverted Spring Steel: M1408-0800, Seeger AV, Ellison EXTV	
80.00 (3.150")	76.50 +0.00/-0.30	4.00 +0.00/-0.10	74.50	CCE-08000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-0800, AS80X4	
80.17 (3.156")	74.68 +0.00/-0.15	2.36 +/-0.08	73.41	* CEB-08017-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0315, MIL-16630, Waldes 5102	
80.17 (3.156")	75.84 +/- 0.152	1.98 +/- 0.076	74.17	CCE-08017-C-V	Circlips - External - Inverted Spring Steel: N1408-0315, MIL-16626, Waldes 5108	



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	
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>	
80.17 (3.156")	75.84 +/-0.152	2.36 +/-0.076	74.20	CCE-08017-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0315KSF</i>	
80.17 (3.156")	75.84 +/-0.152	2.36 +/-0.076	74.20	CCE-08017-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0315AZD</i>	
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 <i>Carbon Spring Steel: A82X2.5, D1400-0820</i>	
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 <i>Spring Steel: M1408-0820, Seeger AV, Ellison EXTV</i>	
82.55 (3.250")	76.86 +0.00/-0.15	2.36 +/-0.08	75.59	* CEB-08255-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0325, MIL-16630, Waldes 5102</i>	
82.55 (3.250")	78.10 +/-0.152	2.36 +/-0.076	76.40	CCE-08255-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0325KSF</i>	
82.55 (3.250")	78.10 +/-0.152	2.36 +/-0.076	76.40	CCE-08255-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0325AZD</i>	
82.55 (3.250")	78.13 +/- 0.152	1.98 +/- 0.076	76.35	CCE-08255-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0325, MIL-16626, Waldes 5108</i>	
82.55 (3.250")	78.13 +/-0.152	2.36 +/-0.076	76.35	CCE-08255-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0325</i>	
84.99 (3.346")	79.04 +0.00/-0.15	2.36 +/-0.08	77.77	* CEB-08499-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0334, MIL-16630, Waldes 5102</i>	
84.99 (3.346")	80.42 +/-0.152	2.36 +/-0.076	78.54	CCE-08499-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0334</i>	
84.99 (3.346")	80.42 +/-0.152	2.36 +/-0.076	78.50	CCE-08499-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0334KSF</i>	
84.99 (3.346")	80.42 +/-0.152	2.36 +/-0.076	78.50	CCE-08499-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0334AZD</i>	
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 <i>Carbon Spring Steel: A85X3, D1400-0850</i>	
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 <i>Spring Steel: M1408-0850, Seeger AV, Ellison EXTV</i>	
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 <i>Carbon Spring Steel: D1460-0850, AS85X4</i>	
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 <i>Carbon Spring Steel: A87X3, D1400-0870</i>	
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 <i>Spring Steel: M1408-0870, Seeger AV, Ellison EXTV</i>	
87.31 (3.437")	81.25 +0.00/-0.15	2.77 +/-0.08	79.98	* CEB-08731-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0343, MIL-16630, Waldes 5102</i>	
87.31 (3.437")	82.73 +/-0.152	2.36 +/-0.076	80.75	CCE-08731-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0343</i>	
87.31 (3.437")	82.73 +/-0.152	2.36 +/-0.076	80.80	CCE-08731-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0343KSF</i>	
87.31 (3.437")	82.73 +/-0.152	2.36 +/-0.076	80.80	CCE-08731-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0343AZD</i>	
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 <i>Carbon Spring Steel: A88X3, D1400-0880</i>	
88.90 (3.500")	82.73 +0.00/-0.15	2.77 +/-0.08	81.46	* CEB-08890-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0350, MIL-16630, Waldes 5102</i>	
88.90 (3.500")	84.23 +/-0.152	2.77 +/-0.076	82.20	CCE-08890-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0350KSF</i>	
88.90 (3.500")	84.23 +/-0.152	2.77 +/-0.076	82.20	CCE-08890-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0350AZD</i>	
88.90 (3.500")	84.23 +/- 0.152	2.77 +/- 0.076	82.22	CCE-08890-C-V	Circlips - External - Inverted <i>Spring Steel: N1408-0350, MIL-16626, Waldes 5108</i>	
88.90 (3.500")	84.23 +/-0.152	2.77 +/-0.076	82.22	CCE-08890-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0350</i>	
89.99 (3.543")	83.71 +0.00/-0.15	2.77 +/-0.08	82.47	CEB-08999-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0354, MIL-16630, Waldes 5102</i>	
89.99 (3.543")	85.27 +/-0.152	2.77 +/-0.076	83.20	CCE-08999-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0354KSF</i>	

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	83.20	CCE-08999-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0354AZD</i>	
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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo</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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0363KSF</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>	
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>	
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	86.61	CCE-09368-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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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>	
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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0387AZD</i>	
98.43 (3.875")	93.30 +/-0.152	2.77 +/-0.076	91.00	CCE-09843-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0387KSF</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>	



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	
100.00 (3.937")	96.50 +0.00/-0.35	4.00 +0.00/-0.10	94.50	CCE-10000H-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: D1460-1000, AS100X4	
100.01 (3.937")	93.00 +0.00/-0.15	2.77 +/-0.08	91.74	* CEB-10001-C	Circlips - External - Bevelled Carbon Spring Steel: N1402-0393, MIL-16630, Waldes 5102	
100.01 (3.937")	94.78 +/-0.152	2.77 +/-0.076	92.50	CCE-10001-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-CZY	Circlips - External - Standard - Zinc Plated Zinc Plated Yellow: N1400-0425AZD	
107.95 (4.250")	103.30 +/-0.152	2.77 +/-0.076	101.30	CCE-10795-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1400-0425KSF	
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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-C	Circlips - External - Standard - Carbon Steel Carbon Spring Steel: A111X4, D1400-1110	
111.00 (4.370")	107.00 +0.00/-0.54	4.00 +0.00/-0.10	103.00	CCE-11100-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: A111X4-411, D1400-1110KSF	
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-S15	Circlips - External - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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	



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
114.30 (4.500")	107.77 +0.00/-0.15	2.77 +/-0.08	106.50	* CEB-11430-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0450, MIL-16630, Waldes 5102</i>
114.30 (4.500")	109.50 +/-0.152	2.77 +/-0.076	107.30	CCE-11430-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0450</i>
114.30 (4.500")	109.50 +/-0.152	2.77 +/-0.076	107.30	CCE-11430-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0450KSF</i>
114.30 (4.500")	109.50 +/-0.152	2.77 +/-0.076	107.30	CCE-11430-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0450AZD</i>
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 <i>Carbon Spring Steel: A115X4, D1400-1150</i>
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 <i>Carbon Spring Steel: D1460-1150, AS115X5</i>
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 <i>Carbon Spring Steel: A117X4, D1400-1170</i>
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 <i>Carbon Spring Steel: A118X4, D1400-1180</i>
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 <i>Carbon Spring Steel: A120X4, D1400-1200</i>
120.00 (4.724")	116.00 +0.00/-0.54	4.00 +0.00/-0.10	113.00	** CCE-12000-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: A120X4-411, D1400-1200KSF</i>
120.00 (4.724")	116.00 +0.00/-0.54	5.00 +0.00/-0.12	113.00	* CCE-12000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1200, AS120X5, MD0471MQB120</i>
120.65 (4.750")	113.71 +0.00/-0.15	2.77 +/-0.08	112.47	* CEB-12065-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0475, MIL-16630, Waldes 5102</i>
120.65 (4.750")	115.57 +/-0.152	2.77 +/-0.076	113.23	CCE-12065-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0475</i>
120.65 (4.750")	115.57 +/-0.152	2.77 +/-0.076	113.20	CCE-12065-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0475KSF</i>
120.65 (4.750")	115.57 +/-0.152	2.77 +/-0.076	113.20	CCE-12065-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0475AZD</i>
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 <i>Carbon Spring Steel: A122X4, D1400-1220</i>
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 <i>Carbon Spring Steel: A125X4, D1400-1250</i>
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 <i>Carbon Spring Steel: D1460-1250, AS125X5</i>
127.00 (5.000")	119.68 +0.00/-0.15	2.77 +/-0.08	118.41	CEB-12700-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0500, MIL-16630, Waldes 5102</i>
127.00 (5.000")	121.70 +/-0.152	2.77 +/-0.076	119.20	CCE-12700N-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0500</i>
127.00 (5.000")	121.70 +/-0.152	2.77 +/-0.076	119.20	CCE-12700N-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0500AZD</i>
127.00 (5.000")	121.70 +/-0.152	2.77 +/-0.076	119.20	CCE-12700N-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0500KSF</i>
127.00 (5.000")	122.37 +0.00/-0.63	4.00 +0.00/-0.10	120.54	CCE-12700-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A127X4, D1400-1270</i>
128.00 (5.039")	123.37 +0.00/-0.63	4.00 +0.00/-0.10	121.54	CCE-12800-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A128X4, D1400-1280</i>
130.00 (5.118")	126.00 +0.00/-0.63	4.00 +0.00/-0.10	123.00	CCE-13000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A130X4, D1400-1300</i>
130.00 (5.118")	126.00 +0.00/-0.63	5.00 +0.00/-0.12	123.00	CCE-13000H-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: D1460-1300, AS130X5</i>
132.00 (5.197")	128.00 +0.00/-0.63	4.00 +0.00/-0.10	125.00	CCE-13200-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A132X4, D1400-1320</i>
133.35 (5.250")	125.65 +0.00/-0.18	3.18 +/-0.10	124.13	* CEB-13335-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0525, MIL-16630, Waldes 5102</i>
133.35 (5.250")	127.76 +/-0.176	3.18 +/-0.102	125.15	CCE-13335-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0525</i>
133.35 (5.250")	127.76 +/-0.176	3.18 +/-0.102	125.20	CCE-13335-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0525KSF</i>
133.35 (5.250")	127.76 +/-0.176	3.18 +/-0.102	125.20	CCE-13335-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0525AZD</i>



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	
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 <i>Carbon Spring Steel: A135X4, D1400-1350</i>	
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 <i>Carbon Spring Steel: D1460-1350, AS135X5</i>	
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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-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>	
152.40 (6.000")	145.92 +/-0.176	3.18 +/-0.102	143.00	CCE-15240-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0600KSF</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>	



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	
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>	
158.75 (6.250")	152.00 +/-0.204	3.18 +/-0.127	149.00	CCE-15875-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0625KSF</i>	
158.75 (6.250")	152.00 +/-0.204	3.18 +/-0.127	149.00	CCE-15875-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0625AZD</i>	
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 <i>Carbon Spring Steel: A160X4, D1400-1600</i>	
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 <i>Carbon Spring Steel: D1460-1600, AS160X5</i>	
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 <i>Carbon Spring Steel: A162X4, D1400-1620</i>	
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 <i>Carbon Spring Steel: A165X4, D1400-1650</i>	
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 <i>Carbon Spring Steel: D1460-1650, AS165X5</i>	
165.10 (6.500")	155.45 +0.00/-0.20	3.96 +/-0.13	153.67	* CEB-16510-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0650, MIL-16630, Waldes 5102</i>	
165.10 (6.500")	158.10 +/-0.204	3.96 +/-0.127	154.90	CCE-16510-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0650</i>	
165.10 (6.500")	158.10 +/-0.204	3.96 +/-0.127	154.90	CCE-16510-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0650KSF</i>	
165.10 (6.500")	158.10 +/-0.204	3.96 +/-0.127	154.90	CCE-16510-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0650AZD</i>	
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 <i>Carbon Spring Steel: A167X4, D1400-1670</i>	
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 <i>Carbon Spring Steel: A168X4, D1400-1680</i>	
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 <i>Carbon Spring Steel: A170X4, D1400-1700</i>	
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 <i>Carbon Spring Steel: D1460-1700, AS170X5</i>	
171.45 (6.750")	161.42 +0.00/-0.20	3.96 +/-0.13	159.64	* CEB-17145-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0675, MIL-16630, Waldes 5102</i>	
171.45 (6.750")	164.20 +/-0.204	3.96 +/-0.127	160.90	CCE-17145-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0675</i>	
171.45 (6.750")	164.20 +/-0.204	3.96 +/-0.127	160.90	CCE-17145-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0675AZD</i>	
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 <i>Carbon Spring Steel: A172X4, D1400-1720</i>	
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 <i>Carbon Spring Steel: A175X4, D1400-1750</i>	
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 <i>Carbon Spring Steel: D1460-1750, AS175X5</i>	
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 <i>Carbon Spring Steel: A176X4, D1400-1760</i>	
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 <i>Carbon Spring Steel: A177X4, D1400-1770</i>	
177.80 (7.000")	167.39 +0.00/-0.20	3.96 +/-0.13	165.61	* CEB-17780-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0700, MIL-16630, Waldes 5102</i>	
177.80 (7.000")	170.30 +/-0.204	4.00 +/-0.127	166.90	CCE-17780-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0700</i>	
177.80 (7.000")	170.30 +/-0.204	4.00 +/-0.127	166.90	CCE-17780-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0700AZD</i>	
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 <i>Carbon Spring Steel: A178X4, D1400-1780</i>	
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 <i>Carbon Spring Steel: A180X4, D1400-1800</i>	
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 <i>Carbon Spring Steel: D1460-1800, AS180X5</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	
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 <i>Carbon Spring Steel: A182X4, D1400-1820</i>	
184.15 (7.250")	176.30 +/-0.204	4.80 +/-0.127	172.10	CCE-18415-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0725</i>	
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-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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	189.94	CCE-20320-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0800, A203X4.8</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>	
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>	



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	
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>	
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 <i>Carbon Spring Steel: A215X5, D1400-2150</i>	
215.90 (8.500")	203.12 +0.00/-0.20	4.75 +/-0.13	201.09	* CEB-21590-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0850, MIL-16630, Waldes 5102</i>	
215.90 (8.500")	206.80 +/-0.204	4.75 +/-0.127	201.90	CCE-21590-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0850</i>	
215.90 (8.500")	206.80 +/-0.204	4.75 +/-0.127	201.90	CCE-21590-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0850AZD</i>	
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 <i>Carbon Spring Steel: A217X5, D1400-2170</i>	
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 <i>Carbon Spring Steel: A218X5, D1400-2180</i>	
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 <i>Carbon Spring Steel: A220X5, D1400-2200</i>	
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 <i>Carbon Spring Steel: A222X5, D1400-2220</i>	
222.25 (8.750")	212.90 +/-0.204	4.80 +/-0.127	207.80	CCE-22225-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0875</i>	
222.25 (8.750")	212.90 +/-0.204	4.80 +/-0.127	207.80	CCE-22225-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0875AZD</i>	
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 <i>Carbon Spring Steel: A225X5, D1400-2250</i>	
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 <i>Carbon Spring Steel: A227X5, D1400-2270</i>	
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 <i>Carbon Spring Steel: A228X5, D1400-2280</i>	
228.60 (9.000")	215.01 +0.00/-0.20	4.75 +/-0.13	212.98	* CEB-22860-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0900, MIL-16630, Waldes 5102</i>	
228.60 (9.000")	219.00 +/-0.204	4.75 +/-0.127	213.70	CCE-22860-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0900</i>	
228.60 (9.000")	219.00 +/-0.204	4.75 +/-0.127	213.70	CCE-22860-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0900AZD</i>	
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 <i>Carbon Spring Steel: A230X5, D1400-2300</i>	
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 <i>Carbon Spring Steel: A232X5, D1400-2320</i>	
234.95 (9.250")	225.00 +/-0.204	4.80 +/-0.127	219.70	CCE-23495-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0925</i>	
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 <i>Carbon Spring Steel: A235X5, D1400-2350</i>	
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 <i>Carbon Spring Steel: A237X5, D1400-2370</i>	
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 <i>Carbon Spring Steel: A238X5, D1400-2380</i>	
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 <i>Carbon Spring Steel: A240X5, D1400-2400</i>	
241.30 (9.500")	226.95 +0.00/-0.20	4.75 +/-0.13	224.92	* CEB-24130-C	Circlips - External - Bevelled <i>Carbon Spring Steel: N1402-0950, MIL-16630, Waldes 5102</i>	
241.30 (9.500")	231.10 +/-0.204	4.75 +/-0.127	225.70	CCE-24130-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0950</i>	
241.30 (9.500")	231.10 +/-0.204	4.75 +/-0.127	225.70	CCE-24130-S15	Circlips - External - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1400-0950KSF</i>	
241.30 (9.500")	231.10 +/-0.204	4.75 +/-0.127	225.70	CCE-24130-CZY	Circlips - External - Standard - Zinc Plated <i>Zinc Plated Yellow: N1400-0950AZD</i>	
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 <i>Carbon Spring Steel: A242X5, D1400-2420</i>	
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 <i>Carbon Spring Steel: A245X5, D1400-2450</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	
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 <i>Carbon Spring Steel: A247X5, D1400-2470</i>	
247.65 (9.750")	237.20 +/-0.204	4.80 +/-0.127	231.70	CCE-24765-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: N1400-0975</i>	
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>	

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	
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>	
315.00 (12.402")	305.00 +0.00/-0.81	6.00 +0.00/-0.15	293.00	CCE-31500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A315X6, D1400-3150</i>	
320.00 (12.598")	309.19 +0.00/-0.81	6.00 +0.00/-0.15	303.81	CCE-32000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A320X6, D1400-3200</i>	
325.00 (12.795")	315.00 +0.00/-0.89	6.00 +0.00/-0.15	308.00	CCE-32500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A325X6, D1400-3250</i>	
330.00 (12.992")	319.11 +0.00/-0.89	6.00 +0.00/-0.15	313.81	CCE-33000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A330X6, D1400-3300</i>	
335.00 (13.189")	325.00 +0.00/-0.89	6.00 +0.00/-0.15	318.00	CCE-33500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A335X6, D1400-3350</i>	
340.00 (13.386")	330.00 +0.00/-0.89	6.00 +0.00/-0.15	323.00	CCE-34000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A340X6, D1400-3400</i>	
345.00 (13.583")	335.00 +0.00/-0.89	6.00 +0.00/-0.15	328.00	CCE-34500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A345X6, D1400-3450</i>	
350.00 (13.780")	340.00 +0.00/-0.89	6.00 +0.00/-0.15	333.00	CCE-35000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A350X6, D1400-3500</i>	
355.00 (13.976")	345.00 +0.00/-0.89	6.00 +0.00/-0.15	338.00	CCE-35500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A355X6, D1400-3550</i>	
360.00 (14.173")	349.11 +0.00/-0.89	6.00 +0.00/-0.15	343.90	CCE-36000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A360X6, D1400-3600</i>	
365.00 (14.370")	355.00 +0.00/-0.89	6.00 +0.00/-0.15	348.00	CCE-36500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A365X6, D1400-3650</i>	
370.00 (14.567")	360.00 +0.00/-0.89	6.00 +0.00/-0.15	353.00	CCE-37000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A370X6, D1400-3700</i>	
380.00 (14.961")	365.00 +0.00/-0.89	6.00 +0.00/-0.15	358.00	CCE-37500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A380X6, D1400-3800</i>	
380.00 (14.961")	369.11 +0.00/-0.89	6.00 +0.00/-0.15	363.90	CCE-38000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A380X6, D1400-3800</i>	
385.00 (15.157")	375.00 +0.00/-0.89	6.00 +0.00/-0.15	368.00	CCE-38500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A385X6, D1400-3850</i>	
390.00 (15.354")	380.00 +0.00/-0.89	6.00 +0.00/-0.15	373.00	CCE-39000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A390X6, D1400-3900</i>	
395.00 (15.551")	385.00 +0.00/-0.89	6.00 +0.00/-0.15	378.00	CCE-39500-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A395X6, D1400-3950</i>	
400.00 (15.748")	390.00 +0.00/-0.89	6.00 +0.00/-0.15	383.00	CCE-40000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A400X6, D1400-4000</i>	
410.00 (16.142")	398.00 +0.00/-0.89	7.00 +0.00/-0.15	390.00	CCE-41000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A410X7, D1400-4100</i>	
420.00 (16.535")	408.00 +0.00/-1.00	7.00 +0.00/-0.15	400.00	CCE-42000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A420X7, D1400-4200</i>	
430.00 (16.929")	418.00 +0.00/-1.00	7.00 +0.00/-0.15	410.00	CCE-43000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A430X7, D1400-4300</i>	
440.00 (17.323")	428.00 +0.00/-1.00	7.00 +0.00/-0.15	420.00	CCE-44000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A440X7, D1400-4400</i>	
450.00 (17.717")	438.00 +0.00/-1.00	7.00 +0.00/-0.15	430.00	CCE-45000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A450X7, D1400-4500</i>	
460.00 (18.110")	448.00 +0.00/-1.00	7.00 +0.00/-0.15	440.00	CCE-46000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A460X7, D1400-4600</i>	
470.00 (18.504")	458.00 +0.00/-1.00	7.00 +0.00/-0.15	450.00	CCE-47000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A470X7, D1400-4700</i>	
480.00 (18.898")	468.00 +0.00/-1.00	7.00 +0.00/-0.15	460.00	CCE-48000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A480X7, D1400-4800</i>	
490.00 (19.291")	478.00 +0.00/-1.00	7.00 +0.00/-0.15	470.00	CCE-49000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A490X7, D1400-4900</i>	
500.00 (19.685")	488.00 +0.00/-1.00	7.00 +0.00/-0.15	480.00	CCE-50000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A500X7, D1400-5000</i>	
510.00 (20.079")	496.00 +0.00/-1.00	8.00 +0.00/-0.15	485.00	CCE-51000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A510X8, D1400-5100</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	
520.00 (20.472")	506.00 +0.00/-1.00	8.00 +0.00/-0.15	495.00	CCE-52000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A520X8, D1400-5200</i>	
530.00 (20.866")	516.00 +0.00/-1.00	8.00 +0.00/-0.15	505.00	CCE-53000-C	Circlips - External - Standard - Carbon Steel <i>Carbon Spring Steel: A530X8, D1400-5300</i>	
540.00 (21.260")	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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0025BDS, A 9Y28-25</i>	
6.35 (0.250")	6.81 +/-0.025	0.31 +0.00/-0.05	7.11	CCI-00635-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0025AZD, Ellison 9000, MIL-16625</i>	
7.94 (0.313")	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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0031BDS, A 9Y28-31</i>	
7.94 (0.313")	8.38 +/-0.025	0.31 +0.00/-0.05	8.79	CCI-00794-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0031AZD, Ellison 9000, MIL-16625</i>	
8.00 (0.315")	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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J9X0.8-411, D1300-0090KSF</i>	
9.53 (0.375")	10.08 +/-0.050	0.64 +0.00/-0.05	10.54	CCI-00953-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0037BDS, A 9Y28-37</i>	
9.53 (0.375")	10.08 +/-0.050	0.64 +0.00/-0.05	10.54	CCI-00953-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0037AZD, Ellison 9000, MIL-16625</i>	



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

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Circlips - Internal					
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
9.53 (0.375")	10.08 +/-0.050	0.64 +0.00/-0.05	10.54	CCI-00953-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0037APP, Ellison 9000, MIL-16625
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 Carbon Spring Steel. Phosphate and oil finish: J10X1, D1300-0100APP
10.00 (0.394")	10.40 +0.11/-0.00	1.00 +0.00/-0.06	10.80	CCI-01000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0043BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0043AZD, 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0045BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0045AZD, 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0050BDS, A 9Y28-50
12.70 (0.500")	13.46 +/-0.050	0.89 +0.00/-0.06	13.92	CCI-01270-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0050AZD, Ellison 9000, MIL-16625
12.95 (0.510")	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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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 - Zinc Plated 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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



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

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

* Large Minimum Quantities

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Circlips - Internal						
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
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, Walde 5008, MIL 16627	
20.64 (0.813")	21.89 +/-0.075	1.07 +0.00/-0.06	22.89	CCI-02064-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0081BDS, Ellison 9000, MIL-16625	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-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 +/-0.075	1.00 +0.00/-0.06	23.50	CCI-02200N-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0086AZD, Ellison 9000, MIL-16625	
22.00 (0.866")	23.00 +0.15/-0.00	1.00 +0.00/-0.06	23.50	* CCI-02200-S15-V	Circlips - Internal - Inverted Stainless Steel PH15-7 Mo: M1308-0220KSF, Ellison INTV, Seeger JV	
22.00 (0.866")	23.00 +/-0.075	1.00 +0.00/-0.06	23.50	* CCI-02200N-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0086BDS, Ellison 9000, MIL-16625	
22.00 (0.866")	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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J22X1-411, D1300-0220KSF	
22.23 (0.875")	23.65 +/-0.075	1.07 +0.00/-0.06	24.66	CCI-02223-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0087BDS, A 9Y28-87	
22.23 (0.875")	23.65 +/-0.075	1.07 +0.00/-0.06	24.66	CCI-02223-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0087AZD, Ellison 9000, MIL-16625	
22.23 (0.875")	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, Walde 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0090BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0090AZD, 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J23X1.2-411, D1300-0230KSF	
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 +/-0.075	1.07 +0.00/-0.06	26.44	CCI-02381-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0093BDS, Ellison 9000, MIL-16625	
23.81 (0.937")	25.40 +/-0.075	1.07 +0.00/-0.06	26.44	CCI-02381-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0093AZD, Ellison 9000, MIL-16625	
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, Walde 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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	
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 Carbon Spring Steel. Phosphate and oil finish: J25X1.2, D1300-0250APP	



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



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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
28.58 (1.125")	30.40 +/-0.102	1.27 +0.00/-0.06	31.72	CCI-02858-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0112BDS, 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 - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0112AZD, Ellison 9000, MIL-16625</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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J29X1.2-411, D1300-0290KSF</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-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	32.10	CCI-03000-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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 +/-0.052	33.50	CCI-03016-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0118, Waldes 5008, MIL 16627</i>
30.16 (1.187")	32.05 +/-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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0118BDS, 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 - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0118AZD, Ellison 9000, MIL-16625</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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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 - Zinc Plated <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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0330, Ellison INTV, Seeger JV</i>
33.00 (1.299")	34.78 +0.25/-0.00	1.20 +0.00/-0.06	35.50	CCI-03300-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J33X1.2-411, D1300-0330KSF</i>
33.38 (1.314")	35.46 +/-0.102	1.27 +/-0.052	36.10	CCI-03332-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0131, Waldes 5008, MIL 16627</i>
33.38 (1.314")	35.46 +/-0.102	1.27 +0.00/-0.06	36.98	CCI-03338-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0131APP, Ellison 9000, MIL-16625</i>
33.38 (1.314")	35.46 +/-0.102	1.27 +0.00/-0.06	36.98	CCI-03338-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0131BDS, Ellison 9000, MIL-16625</i>

Circlips - Internal						
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
33.38 (1.314")	35.46 +/-0.102	1.27 +0.00/-0.06	36.98	CCI-03338-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0131AZD, Ellison 9000, MIL-16625	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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 +/-0.052	38.76	CCI-03493-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0137, Waldes 5008, MIL 16627	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0137BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0137AZD, Ellison 9000, MIL-16625	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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, Waldes 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0143BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0143AZD, 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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	
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 Carbon Spring Steel. Phosphate and oil finish: J38X1.5, D1300-0380APP	
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 Spring Steel: M1308-0380, Ellison INTV, Seeger JV	
38.00 (1.496")	40.00 +0.25/-0.00	1.50 +0.00/-0.06	40.80	CCI-03800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J38X1.5-411, D1300-0380KSF	
38.00 (1.496")	40.00 +0.25/-0.00	1.75 +0.00/-0.06	40.80	* CCI-03800H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0380, JS38X2	

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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
38.10 (1.500")	40.49 +/-0.102	1.27 +/-0.052	42.16	CCI-03810-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0150, Waldes 5008, MIL 16627	
38.10 (1.500")	40.49 +/-0.102	1.27 +0.00/-0.06	42.16	CCI-03810-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0150APP, Ellison 9000, MIL-16625	
38.10 (1.500")	40.49 +/-0.102	1.27 +0.00/-0.06	42.16	CCI-03810-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0150BDS, Ellison 9000, MIL-16625	
38.10 (1.500")	40.49 +/-0.102	1.27 +0.00/-0.06	42.16	CCI-03810-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0150AZD, Ellison 9000, MIL-16625	
38.10 (1.500")	40.74 +0.10/-0.00	1.19 +/-0.08	41.81	CIB-03810-C	Circlips - Internal - Bevelled Spring Steel: N1302-0150, MIL-16631, Ellison 9002	
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 Carbon Spring Steel: J39X1.5, D1300-0390APP	
39.67 (1.562")	42.11 +/-0.127	1.57 +/-0.076	44.04	CCI-03967-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0156, Waldes 5008, MIL 16627	
39.67 (1.562")	42.11 +/-0.127	1.57 +0.00/-0.06	44.04	CCI-03967-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0156APP, Ellison 9000, MIL-16625	
39.67 (1.562")	42.11 +/-0.127	1.57 +0.00/-0.06	44.04	CCI-03967-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0156BDS, Ellison 9000, MIL-16625	
39.67 (1.562")	42.11 +/-0.127	1.57 +0.00/-0.06	44.04	CCI-03967-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0156AZD, Ellison 9000, MIL-16625	
39.67 (1.562")	42.52 +0.13/-0.00	1.50 +/-0.08	43.41	CIB-03967-C	Circlips - Internal - Bevelled Spring Steel: N1302-0156, MIL-16631, Ellison 9002	
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 Spring Steel: M1308-0400, Ellison INTV, Seeger JV	
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 Carbon Spring Steel. Phosphate and oil finish: J40X1.75, D1300-0400APP	
40.00 (1.575")	42.50 +0.25/-0.00	1.75 +0.00/-0.06	43.50	CCI-04000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J40X1.75-411, D1300-0400KSF	
40.00 (1.575")	42.50 +0.25/-0.00	2.00 +0.00/-0.06	43.50	CCI-04000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0400, JS40X2	
40.01 (1.575")	42.85 +0.13/-0.00	1.50 +/-0.08	43.41	* CIB-04001-C	Circlips - Internal - Bevelled Spring Steel: N1302-0157, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J41X1.75, D1300-0410APP	
41.00 (1.614")	43.50 +0.25/-0.00	1.75 +0.00/-0.06	44.50	CCI-04100-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J41X1.75-411, D1300-0410KSF	
41.28 (1.625")	43.82 +/-0.127	1.57 +/-0.076	45.82	CCI-04128-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0162, Waldes 5008, MIL 16627	
41.28 (1.625")	43.82 +/-0.127	1.57 +0.00/-0.06	45.82	CCI-04128-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0162APP, Ellison 9000, MIL-16625	
41.28 (1.625")	43.82 +/-0.127	1.57 +0.00/-0.06	45.82	CCI-04128-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0162BDS, Ellison 9000, MIL-16625	
41.28 (1.625")	43.82 +/-0.127	1.57 +0.00/-0.06	45.82	CCI-04128-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0162AZD, Ellison 9000, MIL-16625	
41.28 (1.625")	44.27 +0.13/-0.00	1.50 +/-0.08	45.19	CIB-04128-C	Circlips - Internal - Bevelled Spring Steel: N1302-0162, MIL-16631, Ellison 9002	
41.99 (1.653")	44.46 +/-0.127	1.57 +0.00/-0.06	46.61	CCI-04199-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0165APP, Ellison 9000, MIL-16625	
41.99 (1.653")	44.46 +/-0.127	1.57 +0.00/-0.06	46.61	CCI-04199-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0165BDS, Ellison 9000, MIL-16625	
41.99 (1.653")	45.03 +0.13/-0.00	1.50 +/-0.08	45.97	CIB-04199-C	Circlips - Internal - Bevelled Spring Steel: N1302-0165, MIL-16631, Ellison 9002	
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 Spring Steel: M1308-0420, Ellison INTV, Seeger JV	
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 Carbon Spring Steel. Phosphate and oil finish: J42X1.75, D1300-0420APP	
42.00 (1.654")	44.45 +0.25/-0.00	1.75 +0.00/-0.06	45.50	CCI-04200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J42X1.75-411, D1300-0420KSF	
42.00 (1.654")	44.45 +0.25/-0.00	2.00 +0.00/-0.06	45.50	CCI-04200H-C	Circlips - Internal - Standard - Stainless Steel Carbon Spring Steel: D1360-0420, JS42X2	
42.86 (1.687")	45.52 +/-0.127	1.57 +/-0.076	47.60	CCI-04288-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0168, Waldes 5008, MIL 16627	



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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
42.86 (1.687")	45.52 +/-0.127	1.57 +0.00/-0.06	47.60	CCI-04286-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0168, Ellison 9000, MIL-16625	
42.86 (1.687")	45.52 +/-0.127	1.57 +0.00/-0.06	47.60	CCI-04286-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0168BDS, Ellison 9000, MIL-16625	
42.86 (1.687")	45.97 +0.13/-0.00	1.50 +/-0.08	46.96	* CIB-04286-C	Circlips - Internal - Bevelled Spring Steel: N1302-0168, MIL-16631, Ellison 9002	
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 Carbon Spring Steel: J43X1.75, D1300-0430APP	
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 Carbon Spring Steel: J44X1.75, D1300-0440APP	
44.45 (1.750")	47.19 +/-0.127	1.57 +0.00/-0.06	49.33	CCI-04445-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0175BDS, Ellison 9000, MIL-16625	
44.45 (1.750")	47.19 +/-0.127	1.57 +/-0.076	49.33	CCI-04445-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0175, Waldes 5008, MIL 16627	
44.45 (1.750")	47.19 +/-0.127	1.57 +0.00/-0.06	49.33	CCI-04445-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0175APP, Ellison 9000, MIL-16625	
44.45 (1.750")	47.19 +/-0.127	1.57 +0.00/-0.06	49.33	CCI-04445-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0175AZD, Ellison 9000, MIL-16625	
44.45 (1.750")	47.70 +0.13/-0.00	1.50 +/-0.08	48.69	CIB-04445-C	Circlips - Internal - Bevelled Spring Steel: N1302-0175, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J45X1.75, D1300-0450APP	
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 Spring Steel: M1308-0450, Ellison INTV, Seeger JV	
45.00 (1.772")	47.50 +0.25/-0.00	1.75 +0.00/-0.06	48.50	CCI-04500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J45X1.75-411, D1300-0450KSF	
45.00 (1.772")	47.50 +0.25/-0.00	2.00 +0.00/-0.07	48.50	* CCI-04500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0450, JS45X2	
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 Carbon Spring Steel. Phosphate and oil finish: J46X1.75, D1300-0460APP	
46.04 (1.813")	48.82 +/-0.127	1.57 +0.00/-0.06	51.10	CCI-04604-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0181APP, Ellison 9000, MIL-16625	
46.04 (1.813")	48.82 +/-0.127	1.57 +0.00/-0.06	51.10	CCI-04604-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0181BDS, Ellison 9000, MIL-16625	
46.04 (1.813")	48.82 +/-0.127	1.57 +0.00/-0.06	51.10	CCI-04604-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0181AZD, Ellison 9000, MIL-16625	
46.04 (1.813")	49.38 +0.13/-0.00	1.50 +/-0.08	50.47	* CIB-04604-C	Circlips - Internal - Bevelled Spring Steel: N1302-0181, MIL-16631, Ellison 9002	
46.99 (1.850")	49.83 +/-0.127	1.57 +0.00/-0.06	52.17	CCI-04699-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0185APP, Ellison 9000, MIL-16625	
46.99 (1.850")	49.83 +/-0.127	1.57 +0.00/-0.06	52.17	CCI-04699-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0185BDS, Ellison 9000, MIL-16625	
46.99 (1.850")	50.39 +0.13/-0.00	1.50 +/-0.08	51.54	CIB-04699-C	Circlips - Internal - Bevelled Spring Steel: N1302-0185, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J47X1.75, D1300-0470APP	
47.00 (1.850")	49.50 +0.25/-0.00	1.75 +0.00/-0.06	50.50	CCI-04700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J47X1.75-411, D1300-0470KSF	
47.00 (1.850")	49.50 +0.25/-0.00	1.75 +0.00/-0.06	50.50	* CCI-04700-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0470, Ellison INTV, Seeger JV	
47.00 (1.850")	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 +/-0.076	52.63	CCI-04763-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0187, Waldes 5008, MIL 16627	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0187BDS, Ellison 9000, MIL-16625	
47.63 (1.875")	50.52 +/-0.127	1.57 +0.00/-0.06	52.63	CCI-04763-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0187AZD, Ellison 9000, MIL-16625	
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	



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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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 <i>Carbon Spring Steel. Phosphate and oil finish: J48X1.75, D1300-0480APP</i>
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 <i>Spring Steel: M1308-0480, Ellison INTV, Seeger JV</i>
48.00 (1.890")	50.50 +0.30/-0.00	1.75 +0.00/-0.07	51.50	CCI-04800-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J48X1.75-411, D1300-0480KSF</i>
49.00 (1.929")	51.50 +0.30/-0.00	1.75 +0.00/-0.07	52.50	CCI-04900-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: J49X1.75, D1300-0490APP</i>
49.23 (1.938")	52.22 +/-0.127	1.57 +0.00/-0.07	54.38	CCI-04923-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0193APP, Ellison 9000, MIL-16625</i>
49.23 (1.938")	52.22 +/-0.127	1.57 +0.00/-0.07	54.38	CCI-04923-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0193BDS, Ellison 9000, MIL-16625</i>
49.23 (1.938")	52.88 +0.13/-0.00	1.50 +/-0.08	53.75	* CIB-04923-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0193, MIL-16631, Ellison 9002</i>
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 <i>Carbon Spring Steel. Phosphate and oil finish: J50X2, D1300-0500APP</i>
50.00 (1.969")	53.00 +0.30/-0.00	2.00 +0.00/-0.07	54.20	CCI-05000-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J50X2-411, D1300-0500KSF</i>
50.00 (1.969")	53.00 +0.30/-0.00	2.00 +0.00/-0.07	54.20	* CCI-05000-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0500, Ellison INTV, Seeger JV</i>
50.00 (1.969")	53.00 +0.30/-0.00	2.50 +0.00/-0.07	54.20	CCI-05000H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0500, JS50X3</i>
50.80 (2.000")	53.90 +/-0.127	1.57 +0.00/-0.07	56.13	CCI-05080-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0200BDS, Ellison 9000, MIL-16625</i>
50.80 (2.000")	53.90 +/-0.127	1.57 +/-0.076	56.13	CCI-05080-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0200, Waldes 5008, MIL 16627</i>
50.80 (2.000")	53.90 +/-0.127	1.57 +0.00/-0.07	56.13	CCI-05080-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0200APP, Ellison 9000, MIL-16625</i>
50.80 (2.000")	53.90 +/-0.127	1.57 +0.00/-0.07	56.13	CCI-05080-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0200AZD, Ellison 9000, MIL-16625</i>
50.80 (2.000")	54.46 +0.13/-0.00	1.50 +/-0.08	55.50	CIB-05080-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0200, MIL-16631, Ellison 9002</i>
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 <i>Carbon Spring Steel. Phosphate and oil finish: J51X2, D1300-0510APP</i>
51.00 (2.008")	54.00 +0.30/-0.00	2.00 +0.00/-0.07	55.20	* CCI-05100-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J51X2-411, D1300-0510KSF</i>
51.99 (2.047")	55.75 +0.13/-0.00	1.91 +/-0.08	57.15	* CIB-05199-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0204, MIL-16631, Ellison 9002</i>
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 <i>Carbon Spring Steel. Phosphate and oil finish: J52X2, D1300-0520APP</i>
52.00 (2.047")	55.00 +0.30/-0.00	2.00 +0.00/-0.07	56.20	CCI-05200-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J52X2-411, D1300-0520KSF</i>
52.00 (2.047")	55.00 +0.30/-0.00	2.00 +0.00/-0.07	56.20	* CCI-05200-C-V	Circlips - Internal - Inverted <i>Spring Steel: M1308-0520, Ellison INTV, Seeger JV</i>
52.00 (2.047")	55.00 +0.30/-0.00	2.50 +0.00/-0.07	56.20	CCI-05200H-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel: D1360-0520, JS52X3</i>
52.39 (2.063")	55.52 +/-0.152	1.98 +/-0.076	57.91	CCI-05239-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0206, Waldes 5008, MIL 16627</i>
52.39 (2.063")	55.52 +/-0.152	1.98 +0.00/-0.07	57.91	CCI-05239-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0206APP, Ellison 9000, MIL-16625</i>
52.39 (2.063")	55.52 +/-0.152	1.98 +0.00/-0.07	57.91	CCI-05239-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0206BDS, Ellison 9000, MIL-16625</i>
52.39 (2.063")	55.52 +/-0.152	1.98 +0.00/-0.07	57.91	CCI-05239-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0206AZD, Ellison 9000, MIL-16625</i>
52.39 (2.063")	56.13 +0.15/-0.00	1.91 +/-0.08	57.15	CIB-05239-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0206, MIL-16631, Ellison 9002</i>
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 <i>Carbon Spring Steel. Phosphate and oil finish: J53X2, D1300-0530APP</i>
53.98 (2.125")	57.18 +/-0.152	1.98 +0.00/-0.07	59.69	CCI-05398-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0212APP, Ellison 9000, MIL-16625</i>
53.98 (2.125")	57.18 +/-0.152	1.98 +/-0.076	59.69	CCI-05398-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0212, Waldes 5008, MIL 16627</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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
53.98 (2.125")	57.18 +/-0.152	1.98 +0.00/-0.07	59.69	CCI-05398-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0212BDS, Ellison 9000, MIL-16625
53.98 (2.125")	57.18 +/-0.152	1.98 +0.00/-0.07	59.69	CCI-05398-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0212AZD, Ellison 9000, MIL-16625
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J57X2-411, D1300-0570KSF
57.15 (2.250")	60.50 +/-0.152	1.98 +0.00/-0.07	63.25	CCI-05715-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0225BDS, Ellison 9000, MIL-16625
57.15 (2.250")	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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0225AZD, 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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
58.00 (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
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0231BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J60X2-411, D1300-0600KSF

Stocked or Short Delivery
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Circlips - Internal						
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
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 +/-0.076	66.80	CCI-06033-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0237, Waldes 5008, MIL 16627	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0237BDS, Ellison 9000, MIL-16625	
60.33 (2.375")	63.93 +/-0.152	1.98 +0.00/-0.07	66.80	CCI-06033-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0237AZD, Ellison 9000, MIL-16625	
60.33 (2.375")	64.78 +0.15/-0.00	1.91 +/-0.08	66.04	CIB-06033-C	Circlips - Internal - Beveled 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-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0244AZD, 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")	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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0244BDS, Ellison 9000, MIL-16625	
61.98 (2.440")	66.50 +0.15/-0.00	1.91 +/-0.08	67.87	CIB-06198-C	Circlips - Internal - Beveled 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J63X2-411, D1300-0630KSF	
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	
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0250BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0250AZD, Ellison 9000, MIL-16625	
63.50 (2.500")	68.17 +0.15/-0.00	1.91 +/-0.08	69.72	* CIB-06350-C	Circlips - Internal - Beveled Spring Steel: N1302-0250, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J64X2, D1300-0640APP	
64.00 (2.520")	67.00 +0.30/-0.00	2.00 +0.00/-0.07	68.20	* CCI-06400-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J64X2-411, D1300-0640KSF	
64.00 (2.520")	67.00 +0.30/-0.00	3.00 +0.00/-0.08	68.20	* CCI-06400H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0640, JS64X3	
64.29 (2.531")	69.01 +0.15/-0.00	1.91 +/-0.08	69.72	* CIB-06429-C	Circlips - Internal - Beveled Spring Steel: N1302-0253, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J65X2.5, D1300-0650APP	
65.00 (2.559")	68.00 +0.30/-0.00	2.50 +0.00/-0.07	69.20	CCI-06500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J65X2.5-411, D1300-0650KSF	
65.00 (2.559")	68.00 +0.30/-0.00	2.50 +0.00/-0.07	69.20	* CCI-06500-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0650, Ellison INTV, Seeger JV	
65.00 (2.559")	68.00 +0.30/-0.00	3.00 +0.00/-0.08	69.20	CCI-06500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0650, JS65X3	



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Circlips - Internal					
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
65.07 (2.562")	68.94 +/-0.152	2.36 +0.00/-0.07	72.24	CCI-06507-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0256APP, Ellison 9000, MIL-16625
65.07 (2.562")	68.94 +/-0.152	2.36 +0.00/-0.07	72.24	* CCI-06507-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0256BDS, Ellison 9000, MIL-16625
65.07 (2.562")	68.94 +/-0.152	2.36 +0.00/-0.07	72.24	CCI-06507-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0256AZD, Ellison 9000, MIL-16625
65.07 (2.562")	69.85 +0.15/-0.00	2.29 +/-0.08	71.48	* CIB-06507-C	Circlips - Internal - Bevelled Spring Steel: N1302-0256, MIL-16631, Ellison 9002
66.68 (2.625")	70.64 +/-0.152	2.36 +0.00/-0.07	73.91	CCI-06668-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0262APP, Ellison 9000, MIL-16625
66.68 (2.625")	70.64 +/-0.152	2.36 +0.00/-0.07	73.91	CCI-06668-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0262BDS, Ellison 9000, MIL-16625
66.68 (2.625")	70.64 +/-0.152	2.36 +/-0.076	73.91	CCI-06668-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0262, Waldes 5008, MIL 16627
66.68 (2.625")	71.63 +0.15/-0.00	2.29 +/-0.08	73.15	* CIB-06668-C	Circlips - Internal - Bevelled Spring Steel: N1302-0262, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J67X2.5, D1300-0670APP
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 Spring Steel: M1308-0670, Ellison INTV, Seeger JV
67.00 (2.638")	70.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	* CCI-06700-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J67X2.5-411, D1300-0670KSF
68.00 (2.677")	71.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06800-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: J68X2.5, D1300-0680APP
68.00 (2.677")	71.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J68X2.5-411, D1300-0680KSF
68.00 (2.677")	71.00 +0.30/-0.00	2.50 +0.00/-0.07	72.50	CCI-06800-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0680, Ellison INTV, Seeger JV
68.00 (2.677")	71.00 +0.30/-0.00	3.00 +0.00/-0.08	72.50	CCI-06800H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0680, JS68X3
68.00 (2.677")	73.05 +0.15/-0.00	2.29 +/-0.08	74.93	* CIB-06800-C	Circlips - Internal - Bevelled Spring Steel: N1302-0267, MIL-16631, Ellison 9002
68.26 (2.687")	72.34 +/-0.152	2.36 +0.00/-0.07	75.69	CCI-06826-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0268APP, Ellison 9000, MIL-16625
68.26 (2.687")	72.34 +/-0.152	2.36 +0.00/-0.07	75.69	CCI-06826-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0268AZD, Ellison 9000, MIL-16625
68.26 (2.687")	72.34 +/-0.152	2.36 +0.00/-0.07	75.69	* CCI-06826-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0268BDS, Ellison 9000, MIL-16625
68.26 (2.687")	73.33 +0.15/-0.00	2.29 +/-0.08	74.93	CIB-06826-C	Circlips - Internal - Bevelled Spring Steel: N1302-0268, MIL-16631, Ellison 9002
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")	74.02 +/-0.152	2.36 +0.00/-0.07	77.47	CCI-06985-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0275APP, Ellison 9000, MIL-16625
69.85 (2.750")	74.02 +/-0.152	2.36 +0.00/-0.07	77.47	CCI-06985-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0275BDS, Ellison 9000, MIL-16625
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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0281BDS, 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 - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0281AZD, 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

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Circlips - Internal						
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
71.42 (2.812")	76.71 +0.15/-0.00	2.29 +/-0.08	78.51	CIB-07142-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0281, MIL-16631, Ellison 9002</i>	
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 <i>Carbon Spring Steel. Phosphate and oil finish: J72X2.5, D1300-0720APP</i>	
72.00 (2.835")	75.00 +0.30/-0.00	2.50 +0.00/-0.07	76.50	CCI-07200-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J72X2.5-411, D1300-0720KSF</i>	
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 <i>Spring Steel: M1308-0720, Ellison INTV, Seeger JV</i>	
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 <i>Carbon Spring Steel: D1360-0720, JS72X3</i>	
72.01 (2.835")	77.29 +0.15/-0.00	2.29 +/-0.08	78.51	* CIB-07201-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0283, MIL-16631, Ellison 9002</i>	
73.03 (2.875")	77.50 +/-0.152	2.36 +0.00/-0.07	81.05	CCI-07303-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0287APP, Ellison 9000, MIL-16625</i>	
73.03 (2.875")	77.50 +/-0.152	2.36 +/-0.076	81.05	CCI-07303-C-V	Circlips - Internal - Inverted <i>Spring Steel: N1308-0283, Waldes 5008, MIL 16627</i>	
73.03 (2.875")	77.50 +/-0.152	2.36 +0.00/-0.07	81.05	CCI-07303-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0287AZD, Ellison 9000, MIL-16625</i>	
73.03 (2.875")	77.50 +/-0.152	2.36 +0.00/-0.07	81.05	* CCI-07303-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0287BDS, Ellison 9000, MIL-16625</i>	
73.03 (2.875")	78.36 +0.15/-0.00	2.29 +/-0.08	80.29	CIB-07303-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0287, MIL-16631, Ellison 9002</i>	
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 <i>Carbon Spring Steel. Phosphate and oil finish: J75X2.5, D1300-0750APP</i>	
75.00 (2.953")	78.00 +0.30/-0.00	2.50 +0.00/-0.07	79.50	CCI-07500-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J75X2.5-411, D1300-0750KSF</i>	
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 <i>Yellow Zinc Plated: J75X2.5ZP, D1300-0750ZD</i>	
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 <i>Carbon Spring Steel: D1360-0750, JS75X3</i>	
75.01 (2.953")	80.72 +0.15/-0.00	2.29 +/-0.08	83.69	* CIB-07501-C	Circlips - Internal - Bevelled <i>Spring Steel: N1302-0295, MIL-16631, Ellison 9002</i>	
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 <i>Carbon Spring Steel. Phosphate and oil finish: J76X2.5, D1300-0760APP</i>	
76.00 (2.992")	79.00 +0.30/-0.00	2.50 +0.00/-0.07	80.70	* CCI-07600-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J76X2.5-411, D1300-0760KSF</i>	
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")	80.82 +/-0.152	2.36 +0.00/-0.07	84.46	CCI-07620-C	Circlips - Internal - Standard - Carbon Steel <i>Carbon Spring Steel. Phosphate and oil finish: N1300-0300, J3X.098IN</i>	
76.20 (3.000")	80.82 +/-0.152	2.36 +0.00/-0.07	84.46	CCI-07620-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0300BDS, Ellison 9000, MIL-16625</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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: J78X2.5-411, D1300-0780KSF</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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1300-0312BDS, Ellison 9000, MIL-16625</i>	
79.38 (3.125")	84.20 +/-0.152	2.77 +0.00/-0.08	88.60	CCI-07938-CZY	Circlips - Internal - Standard - Zinc Plated <i>Carbon Spring Steel, Yellow Zinc Plated.: N1300-0312AZD, Ellison 9000, MIL-16625</i>	

Stocked or Short Delivery
 Usually Available Short Delivery
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* Large Minimum Quantities

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E&OE

Circlips - Internal					
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
79.38 (3.125")	85.22 +0.15/-0.00	2.69 +/-0.08	87.20	* CIB-07938-C	Circlips - Internal - Bevelled Spring Steel: N1302-0312, MIL-16631, Ellison 9002
79.98 (3.149")	85.04 +/-0.152	2.77 +0.00/-0.08	89.48	CCI-07998-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0315APP, Ellison 9000, MIL-16625
79.98 (3.149")	85.04 +/-0.152	2.77 +0.00/-0.08	89.48	CCI-07998-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0315AZD, Ellison 9000, MIL-16625
79.98 (3.149")	85.04 +/-0.152	2.77 +0.00/-0.08	89.48	* CCI-07998-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0315BDS, Ellison 9000, MIL-16625
79.98 (3.149")	85.88 +0.15/-0.00	2.69 +/-0.08	88.09	* CIB-07998-C	Circlips - Internal - Bevelled Spring Steel: N1302-0314, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J80X2.5, D1300-0800APP
80.00 (3.150")	83.50 +0.35/-0.00	2.50 +0.00/-0.08	85.50	CCI-08000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J80X2.5-411, D1300-0800KSF
80.00 (3.150")	83.50 +0.30/-0.00	2.50 +0.00/-0.07	85.50	* CCI-08000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0800, Ellison INTV, Seeger JV
80.00 (3.150")	83.50 +0.35/-0.00	4.00 +0.00/-0.10	85.50	CCI-08000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0800, JS80X4
80.17 (3.156")	85.04 +/-0.152	2.77 +/-0.076	88.09	CCI-08017-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0315, Waldes 5008, MIL 16627
80.17 (3.156")	98.55 +0.15/-0.00	2.69 +/-0.08	88.09	CIB-08017-C	Circlips - Internal - Bevelled Spring Steel: N1302-0315, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J81X2.5, D1300-0810APP
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 Carbon Spring Steel. Phosphate and oil finish: J82X2.5, D1300-0820APP
82.00 (3.228")	85.50 +0.35/-0.00	2.50 +0.00/-0.08	87.50	* CCI-08200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J82X2.5-411, D1300-0820KSF
82.55 (3.250")	87.53 +/-0.152	2.77 +/-0.076	92.02	CCI-08255-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0325, Waldes 5008, MIL 16627
82.55 (3.250")	87.53 +/-0.152	2.77 +0.00/-0.08	92.02	CCI-08255-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0325APP, Ellison 9000, MIL-16625
82.55 (3.250")	87.53 +/-0.152	2.77 +0.00/-0.08	92.02	* CCI-08255-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0325BDS, Ellison 9000, MIL-16625
82.55 (3.250")	88.62 +0.15/-0.00	2.69 +/-0.08	90.63	* CIB-08255-C	Circlips - Internal - Bevelled Spring Steel: N1302-0325, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J83X2.5, D1300-0830APP
84.99 (3.346")	90.07 +/-0.152	2.77 +/-0.076	94.84	CCI-08499-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0334, Waldes 5008, MIL 16627
84.99 (3.346")	90.07 +/-0.152	2.77 +0.00/-0.08	94.84	CCI-08499-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0334APP, Ellison 9000, MIL-16625
84.99 (3.346")	90.07 +/-0.152	2.77 +0.00/-0.08	94.84	CCI-08499-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0334BDS, Ellison 9000, MIL-16625
84.99 (3.346")	90.07 +/-0.152	2.77 +0.00/-0.08	94.84	CCI-08499-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0334AZD, Ellison 9000, MIL-16625
84.99 (3.346")	91.21 +0.15/-0.00	2.69 +/-0.08	93.45	CIB-08499-C	Circlips - Internal - Bevelled Spring Steel: N1302-0334, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J85X3, D1300-0850APP
85.00 (3.346")	88.50 +0.35/-0.00	3.00 +0.00/-0.08	90.50	CCI-08500-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J85X3-411, D1300-0850KSF
85.00 (3.346")	88.50 +0.35/-0.00	4.00 +0.00/-0.10	90.50	CCI-08500H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0850, JS85X4
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 Carbon Spring Steel: J87X3, D1300-0870APP
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 Carbon Spring Steel. Phosphate and oil finish: J88X3, D1300-0880APP
88.00 (3.465")	91.50 +0.35/-0.00	3.00 +0.00/-0.08	93.50	* CCI-08800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J88X3-411, D1300-0880KSF
88.11 (3.469")	93.35 +/-0.152	2.77 +0.00/-0.08	97.97	CCI-08811-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0347APP, Ellison 9000, MIL-16625



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

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Circlips - Internal					
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
88.11 (3.469")	93.35 +/-0.152	2.77 +0.00/-0.08	97.97	* CCI-08811-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0347BDS, Ellison 9000, MIL-16625
88.11 (3.469")	94.64 +0.15/-0.00	2.69 +/-0.08	96.57	* CIB-08811-C	Circlips - Internal - Bevelled Spring Steel: N1302-0347, MIL-16631, Ellison 9002
88.90 (3.500")	94.23 +/-0.152	2.77 +/-0.076	98.81	CCI-08890-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0350, Waldes 5008, MIL 16627
88.90 (3.500")	94.23 +/-0.152	2.77 +0.00/-0.08	98.81	CCI-08890-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0350APP, Ellison 9000, MIL-16625
88.90 (3.500")	94.23 +/-0.152	2.77 +0.00/-0.08	98.81	CCI-08890-CZY	Circlips - Internal - Standard - Zinc Plated Carbon Spring Steel, Yellow Zinc Plated.: N1300-0350AZD, Ellison 9000, MIL-16625
88.90 (3.500")	94.23 +/-0.152	2.77 +0.00/-0.08	98.81	* CCI-08890-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0350BDS, Ellison 9000, MIL-16625
88.90 (3.500")	95.50 +0.15/-0.00	2.69 +/-0.08	97.41	CIB-08890-C	Circlips - Internal - Bevelled Spring Steel: N1302-0350, MIL-16631, Ellison 9002
89.99 (3.543")	95.91 +/-0.152	2.77 +0.00/-0.08	99.97	CCI-08999-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0354APP, Ellison 9000, MIL-16625
89.99 (3.543")	95.91 +/-0.152	2.77 +0.00/-0.08	99.97	* CCI-08999-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0354BDS, Ellison 9000, MIL-16625
89.99 (3.543")	96.67 +0.15/-0.00	2.69 +/-0.08	98.58	CIB-08999-C	Circlips - Internal - Bevelled Spring Steel: N1302-0354, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J90X3, D1300-0900APP
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J90X3-411, D1300-0900KSF
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-C-V	Circlips - Internal - Inverted Spring Steel: M1308-0900, Ellison INTV, Seeger JV
90.00 (3.543")	93.50 +0.35/-0.00	3.00 +0.00/-0.08	95.50	CCI-09000-CZ	Circlips - Internal - Standard - Zinc Plated Zinc Plated Carbon Spring Steel: J90X3, D1300-0900APP
90.00 (3.543")	93.50 +0.35/-0.00	4.00 +0.00/-0.10	95.50	CCI-09000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-0900, JS90X4
90.47 (3.562")	95.91 +/-0.152	2.77 +/-0.076	98.58	CCI-09047-C-V	Circlips - Internal - Inverted Spring Steel: N1308-0356, Waldes 5008, MIL 16627
90.47 (3.562")	97.28 +0.15/-0.00	2.69 +/-0.08	98.58	* CIB-09047-C	Circlips - Internal - Bevelled Spring Steel: N1302-0356, MIL-16631, Ellison 9002
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 Carbon Spring Steel. Phosphate and oil finish: J92X3, D1300-0920APP
92.00 (3.622")	95.50 +0.35/-0.00	3.00 +0.00/-0.08	97.50	* CCI-09200-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J92X3-411, D1300-0920KSF
92.08 (3.625")	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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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



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Circlips - Internal						
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
98.00 (3.858")	101.50 +0.35/-0.00	3.00 +0.00/-0.08	103.50	* CCI-09800-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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 - Zinc Plated 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-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: 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 - Zinc Plated 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	
104.78 (4.125")	110.87 +/-0.152	2.77 +0.00/-0.10	111.76	CCI-10478-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0412, Ellison 9000, MIL-16625	
104.78 (4.125")	112.60 +0.15/-0.00	2.69 +/-0.08	114.12	CIB-10478-C	Circlips - Internal - Bevelled Spring Steel: N1302-0412, MIL-16631, Ellison 9002	
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 Carbon Spring Steel: D1360-1050, JS105X5	
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 Carbon Spring Steel. Phosphate and oil finish: J105X4, D1300-1050APP	
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 Carbon Spring Steel. Phosphate and oil finish: J107X4, D1300-1070APP	
107.95 (4.250")	114.05 +/-0.152	2.77 +0.00/-0.10	116.08	CCI-10795-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0425, Ellison 9000, MIL-16625	
107.95 (4.250")	115.87 +0.15/-0.00	2.69 +/-0.08	117.50	* CIB-10795-C	Circlips - Internal - Bevelled Spring Steel: N1302-0425, MIL-16631, Ellison 9002	
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 Carbon Spring Steel: J108X4, D1300-1080APP	
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 Carbon Spring Steel. Phosphate and oil finish: J110X4, D1300-1100APP	
110.00 (4.331")	114.00 +0.54/-0.00	4.00 +0.00/-0.10	117.00	* CCI-11000-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: J110X4-411, D1300-1100KSF	
110.00 (4.331")	114.00 +0.54/-0.00	5.00 +0.00/-0.12	117.00	* CCI-11000H-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: D1360-1100, JS110X5	
110.01 (4.331")	116.00 +/-0.152	2.77 +0.00/-0.10	120.80	CCI-11001N-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0433, Ellison 9000, MIL-16625	
110.01 (4.331")	116.00 +/-0.152	2.77 +0.00/-0.10	120.80	* CCI-11001N-S15	Circlips - Internal - Standard - Stainless Steel Stainless Steel PH15-7 Mo: N1300-0433BDS, Ellison 9000, MIL-16625	
110.01 (4.331")	118.03 +0.15/-0.00	2.69 +/-0.08	119.15	CIB-11001-C	Circlips - Internal - Bevelled Spring Steel: N1302-0433, MIL-16631, Ellison 9002	

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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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-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-CZY	Circlips - Internal - Standard - Zinc Plated <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-S15	Circlips - Internal - Standard - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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>
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 - Zinc Plated <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>



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

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Circlips - Internal						
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description	
136.53 (5.375")	143.51 +/-0.178	3.18 +0.00/-0.10	150.11	CCI-13653-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0537, Ellison 9000, MIL-16625	
136.53 (5.375")	145.77 +0.18/-0.00	3.07 +/-0.08	148.46	* CIB-13653-C	Circlips - Internal - Bevelled Spring Steel: N1302-0537, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J137X4, D1300-1370APP	
139.70 (5.500")	146.38 +/-0.178	3.28 +0.00/-0.10	153.25	CCI-13970-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0550, Ellison 9000, MIL-16625	
139.70 (5.500")	148.95 +0.18/-0.00	3.07 +/-0.08	152.43	* CIB-13970-C	Circlips - Internal - Bevelled Spring Steel: N1302-0550, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J140X4, D1300-1400APP	
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 Carbon Spring Steel: D1360-1400, JS140X5	
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 Carbon Spring Steel. Phosphate and oil finish: J142X4, D1300-1420APP	
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 Carbon Spring Steel: J145X4, D1300-1450APP	
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 Carbon Spring Steel: D1360-1450, JS145X5	
146.05 (5.750")	152.91 +/-0.178	3.18 +0.00/-0.10	160.22	CCI-14605-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0575, Ellison 9000, MIL-16625	
146.05 (5.750")	155.45 +0.18/-0.00	3.07 +/-0.08	159.28	* CIB-14605-C	Circlips - Internal - Bevelled Spring Steel: N1302-0575, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J147X4, D1300-1470APP	
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 Carbon Spring Steel: J148X4, D1300-1480APP	
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 Carbon Spring Steel. Phosphate and oil finish: J150X4, D1300-1500APP	
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 Carbon Spring Steel: D1360-1500, JS150X5	
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 Carbon Spring Steel: J152X4, D1300-1520APP	
152.40 (6.000")	159.08 +/-0.178	3.28 +0.00/-0.10	169.17	CCI-15240-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0600, Ellison 9000, MIL-16625	
152.40 (6.000")	161.90 +0.18/-0.00	3.07 +/-0.08	166.50	CIB-15240-C	Circlips - Internal - Bevelled Spring Steel: N1302-0600, MIL-16631, Ellison 9002	
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 Carbon Spring Steel: J155X4, D1300-1550APP	
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 Carbon Spring Steel: D1360-1550, JS155X5	
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 Carbon Spring Steel. Phosphate and oil finish: J157X4, D1300-1570APP	
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 Carbon Spring Steel: J158X4, D1300-1580APP	
158.75 (6.250")	165.66 +/-0.204	4.09 +0.00/-0.12	176.21	CCI-15875-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel: N1300-0625, Ellison 9000, MIL-16625	
158.75 (6.250")	168.71 +0.20/-0.00	3.84 +/-0.08	173.10	* CIB-15875-C	Circlips - Internal - Bevelled Spring Steel: N1302-0625, MIL-16631, Ellison 9002	
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 Carbon Spring Steel. Phosphate and oil finish: J160X4, D1300-1600APP	
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 Carbon Spring Steel: D1360-1600, JS160X5	
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 Carbon Spring Steel. Phosphate and oil finish: J162X4, D1300-1620APP	
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 Carbon Spring Steel. Phosphate and oil finish: J165X4, D1300-1650APP	
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 Carbon Spring Steel: D1360-1650, JS165X5	
165.10 (6.500")	172.47 +/-0.204	4.09 +0.00/-0.10	183.26	CCI-16510-C	Circlips - Internal - Standard - Carbon Steel Carbon Spring Steel. Phosphate and oil finish: N1300-0650, Ellison 9000, MIL-16625	

Circlips - Internal					
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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>
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>



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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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>
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>



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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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>
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>



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 (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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>
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>



Stocked or Short Delivery



Usually Available Short Delivery



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Circlips - Internal					
Housing Bore (B) (mm)	Groove Dia. (G) (mm)	Clip Thickness (T) (mm)	Free Outside Dia (D) (mm)	Part Number	Description
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>
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>



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



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

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

* Large Minimum Quantities

** Available only while stock lasts

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E&OE

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



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

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

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



Stocked or Short Delivery



Usually Available Short Delivery



Long delivery or not in current production

* Large Minimum Quantities

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E-Clips					
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description
15.88 (0.625")	12.32 +0.102/-0.000	1.27 +/-0.051	23.88	* ECB-0123-0159-S15	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0062KSF, S73KW2-131-62</i>
15.88 (0.625")	13.49 +3.05/-0.00	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 +3.05/-0.00	1.27 +/-0.052	24.54	ECL-0135-0159-S15-KR	E-Clips - Klipring <i>Stainless Steel PH15-7 Mo: PO-062-SS, Waldes 5304-T5304</i>
16.00 (0.630")	15.00 +6.00/-0.00	1.50 +/-0.03	28.60	ECL-0150-0160-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: D1500-0150, Ellison 6799, Seeger RA</i>
16.00 (0.630")	15.00 +6.00/-0.00	1.50 +/-0.03	28.60	ECL-0150-0160-CZ	E-Clips - Basic - Carbon Steel <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 +3.05/-0.00	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 +3.05/-0.00	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 +3.05/-0.00	1.27 +/-0.050	28.45	ECL-0147-0191-S15	E-Clips - Basic - Stainless Steel <i>Stainless Steel PH15-7 Mo: 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-S15	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 +3.05/-0.00	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-S15	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0075KSF, S73KW2-131-75</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")	16.05 +3.05/-0.00	1.58 +/-0.076	15.09	ECL-0161-0191-S15-KR	E-Clips - Klipring <i>Stainless Steel PH15-7 Mo: PO-075-SS, Waldes 5304-T5304</i>
19.05 (0.750")	16.05 +3.05/-0.00	1.58 +/-0.076	15.09	ECL-0161-0191-CZ-KR	E-Clips - Klipring <i>Zinc Plated Carbon Steel: PO-075-ZD, Waldes 5304-T5304</i>
19.05 (0.750")	16.05 +3.05/-0.00	1.58 +/-0.076	15.09	ECL-0161-0191-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-075, Waldes 5304-T5304</i>
20.00 (0.787")	19.00 +11.00/-0.00	1.75 +/-0.03	36.70	ECL-0190-0200-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: D1500-0190, Ellison 6799, Seeger RA</i>
22.23 (0.875")	17.15 +3.05/-0.00	1.27 +/-0.050	33.02	ECL-0171-0222-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-0087</i>
22.23 (0.875")	17.15 +3.05/-0.00	1.27 +/-0.050	33.02	ECL-0171-0222-CZY	E-Clips - Basic - Carbon Steel <i>Zinc Plated Yellow, SAE1065-1090: N1500-0087AZD</i>
22.23 (0.875")	17.15 +3.05/-0.00	1.27 +/-0.050	33.02	ECL-0171-0222-S15	E-Clips - Basic - Stainless Steel <i>Stainless Steel PH15-7 Mo: N1500-0087KSF, S73LW2-ER133-87</i>
22.23 (0.875")	17.15 +0.102/-0.000	1.27 +/-0.051	33.02	* ECB-0171-0222-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-0087, Rotorclip BE, MIL 16634</i>
22.23 (0.875")	17.15 +0.102/-0.000	1.27 +/-0.051	33.02	* ECB-0171-0222-S15	E-Clips - Bowed <i>PH 15-7 Mo Stainless Steel: N1501-0087KSF, S73KW2-131-87</i>
24.99 (0.984")	21.21 +3.05/-0.00	1.27 +/-0.050	38.10	* ECL-0212-0250-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-X098, S73LW2-ER133-98C</i>
24.99 (0.984")	21.21 +0.076/-0.000	1.27 +/-0.051	38.10	* ECB-0212-0250-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-X098, Rotorclip BE, MIL 16634</i>
25.00 (0.984")	24.00 +13.00/-0.00	2.00 +/-0.03	43.65	ECL-0240-0250-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: D1500-0240, Ellison 6799, Seeger RA</i>
25.40 (1.000")	21.84 +3.05/-0.00	1.98 +/-0.076	35.94	ECL-0218-0254-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-100, Waldes 5304-T5304</i>
30.16 (1.187")	27.41 +5.08/-0.00	1.58 +/-0.075	41.30	* ECL-0274-0302-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-X118</i>
30.16 (1.187")	27.41 +0.102/-0.000	1.58 +/-0.076	41.30	* ECB-0274-0302-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-X118, Rotorclip BE, MIL 16634</i>
31.75 (1.250")	27.69 +5.08/-0.00	2.36 +/-0.076	45.72	ECL-0277-0318-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-125, Waldes 5304-T5304</i>
34.93 (1.375")	31.24 +5.08/-0.00	1.58 +/-0.075	47.63	** ECL-0312-0349-C	E-Clips - Basic - Carbon Steel <i>SAE1065-1090: N1500-X137</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						
Minimum Rec. Shaft Dia (S) (mm)	Groove Dia. (Dg) (mm)	Clip Thickness (T) (mm)	Clip OD Loose (D1) (mm)	Part Number	Description	
34.93 (1.375")	31.24 +0.102/-0.000	1.58 +/-0.076	47.63	* ECB-0312-0349-C	E-Clips - Bowed <i>Carbon Spring Steel: N1501-X137, Rotorclip BE, MIL 16634</i>	
38.10 (1.500")	33.45 +/-0.252	2.77 +/-0.076	52.07	ECL-0335-0381-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-150, Waldes 5304-T5304</i>	
38.10 (1.500")	33.45 +/-0.252	3.18 +/-0.076	58.42	ECL-0335-0381-CZ-KR	E-Clips - Klipring <i>Zinc Plated Carbon Steel: PO-150-ZD, Waldes 5304-T5304</i>	
44.45 (1.750")	37.59 +/-0.381	3.18 +/-0.102	67.31	ECL-0376-0445-C-KR	E-Clips - Klipring <i>Carbon Steel: PO-175, Waldes 5304-T5304</i>	



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