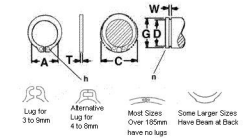




# MBA

## Circlips - External - Basic (Standard)



Imperial and metric DIN471 / N1400 / D1460.

### Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-003.00-CS-PK10	3.00 <i>0.118</i>	2.80 <i>0.110</i>	0.40 <i>0.016</i>	0.50 <i>0.020</i>	0.30 <i>0.012</i>	2.70 <i>0.106</i>	7.00 <i>0.276</i>	6.60 <i>0.260</i>	1.00 <i>0.039</i>	Carbon Spring Steel
CCEX-003.00-CS	3.00 <i>0.118</i>	2.80 <i>0.110</i>	0.40 <i>0.016</i>	0.50 <i>0.020</i>	0.30 <i>0.012</i>	2.70 <i>0.106</i>	7.00 <i>0.276</i>	6.60 <i>0.260</i>	1.00 <i>0.039</i>	Carbon Spring Steel
CCEX-003.18-BC	3.18 <i>0.125</i>	2.97 <i>0.117</i>	0.25 <i>0.010</i>	0.31 <i>0.012</i>	0.36 <i>0.014</i>	2.85 <i>0.112</i>	5.59 <i>0.220</i>	5.44 <i>0.214</i>	0.61 <i>0.024</i>	Beryllium Copper or Carbon Steel (Manufacturers Discretion)

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-003.18-BC-PK10	3.18 <i>0.125</i>	2.97 <i>0.117</i>	0.25 <i>0.010</i>	0.31 <i>0.012</i>	0.36 <i>0.014</i>	2.85 <i>0.112</i>	5.59 <i>0.220</i>	5.44 <i>0.214</i>	0.61 <i>0.024</i>	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
CCEX-003.96-BC	3.96 <i>0.156</i>	3.71 <i>0.146</i>	0.25 <i>0.010</i>	0.31 <i>0.012</i>	0.43 <i>0.017</i>	3.61 <i>0.142</i>	6.86 <i>0.270</i>	6.60 <i>0.260</i>	0.61 <i>0.024</i>	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
# CCEX-003.96-BC-PK10	3.96 <i>0.156</i>	3.71 <i>0.146</i>	0.25 <i>0.010</i>	0.31 <i>0.012</i>	0.43 <i>0.017</i>	3.61 <i>0.142</i>	6.86 <i>0.270</i>	6.60 <i>0.260</i>	0.61 <i>0.024</i>	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
CCEX-004.00-420	4.00 <i>0.157</i>	3.80 <i>0.150</i>	0.40 <i>0.016</i>	0.50 <i>0.020</i>	-	-	8.60 <i>0.339</i>	-	1.00 <i>0.039</i>	420 Stainless Steel
# CCEX-004.00-420-PK10	4.00 <i>0.157</i>	3.80 <i>0.150</i>	0.40 <i>0.016</i>	0.50 <i>0.020</i>	-	-	8.60 <i>0.339</i>	-	1.00 <i>0.039</i>	420 Stainless Steel
CCEX-004.00-CS	4.00 <i>0.157</i>	3.80 <i>0.150</i>	0.40 <i>0.016</i>	0.50 <i>0.020</i>	0.30 <i>0.012</i>	3.70 <i>0.146</i>	8.60 <i>0.339</i>	8.20 <i>0.323</i>	1.00 <i>0.039</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-004.00-CS-PK10	4.00 <i>0.157</i>	3.80 <i>0.150</i>	0.40 <i>0.016</i>	0.50 <i>0.020</i>	0.30 <i>0.012</i>	3.70 <i>0.146</i>	8.60 <i>0.339</i>	8.20 <i>0.323</i>	1.00 <i>0.039</i>	Carbon Spring Steel
CCEX-004.78-CS	4.78 <i>0.188</i>	4.45 <i>0.175</i>	0.38 <i>0.015</i>	0.46 <i>0.018</i>	0.56 <i>0.022</i>	4.27 <i>0.168</i>	7.62 <i>0.300</i>	7.26 <i>0.286</i>	0.58 <i>0.023</i>	Carbon Steel
# CCEX-004.78-CS-PK10	4.78 <i>0.188</i>	4.45 <i>0.175</i>	0.38 <i>0.015</i>	0.46 <i>0.018</i>	0.56 <i>0.022</i>	4.27 <i>0.168</i>	7.62 <i>0.300</i>	7.26 <i>0.286</i>	0.58 <i>0.023</i>	Carbon Steel
CCEX-005.00-CS	5.00 <i>0.197</i>	4.80 <i>0.189</i>	0.60 <i>0.024</i>	0.70 <i>0.028</i>	0.30 <i>0.012</i>	4.70 <i>0.185</i>	10.30 <i>0.406</i>	9.80 <i>0.386</i>	1.00 <i>0.039</i>	Carbon Spring Steel
# CCEX-005.00-CS-PK10	5.00 <i>0.197</i>	4.80 <i>0.189</i>	0.60 <i>0.024</i>	0.70 <i>0.028</i>	0.30 <i>0.012</i>	4.70 <i>0.185</i>	10.30 <i>0.406</i>	9.80 <i>0.386</i>	1.00 <i>0.039</i>	Carbon Spring Steel
CCEX-005.00-420	5.00 <i>0.197</i>	4.80 <i>0.189</i>	0.60 <i>0.024</i>	0.70 <i>0.028</i>	0.30 <i>0.012</i>	4.70 <i>0.185</i>	10.30 <i>0.406</i>	9.80 <i>0.386</i>	1.00 <i>0.039</i>	420 Stainless Steel
# CCEX-005.00-420-PK10	5.00 <i>0.197</i>	4.80 <i>0.189</i>	0.60 <i>0.024</i>	0.70 <i>0.028</i>	0.30 <i>0.012</i>	4.70 <i>0.185</i>	10.30 <i>0.406</i>	9.80 <i>0.386</i>	1.00 <i>0.039</i>	420 Stainless Steel
CCEX-005.00-BC	5.00 <i>0.197</i>	4.70 <i>0.185</i>	0.38 <i>0.015</i>	0.46 <i>0.018</i>	0.51 <i>0.020</i>	4.55 <i>0.179</i>	8.13 <i>0.320</i>	7.80 <i>0.307</i>	0.61 <i>0.024</i>	Beryllium Copper or Carbon Steel (Manufacturers Discretion)

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-005.00-BC-PK10	5.00	4.70	0.38	0.46	0.51	4.55	8.13	7.80	0.61	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
	<i>0.197</i>	<i>0.185</i>	<i>0.015</i>	<i>0.018</i>	<i>0.020</i>	<i>0.179</i>	<i>0.320</i>	<i>0.307</i>	<i>0.024</i>	
CCEX-005.56-BC	5.56	5.21	0.38	0.46	0.58	4.98	8.64	8.23	0.61	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
	<i>0.219</i>	<i>0.205</i>	<i>0.015</i>	<i>0.018</i>	<i>0.023</i>	<i>0.196</i>	<i>0.340</i>	<i>0.324</i>	<i>0.024</i>	
# CCEX-005.56-BC-PK10	5.56	5.21	0.38	0.46	0.58	4.98	8.64	8.23	0.61	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
	<i>0.219</i>	<i>0.205</i>	<i>0.015</i>	<i>0.018</i>	<i>0.023</i>	<i>0.196</i>	<i>0.340</i>	<i>0.324</i>	<i>0.024</i>	
# CCEX-005.99-BC	5.99	5.64	0.38	0.46	0.58	5.46	9.14	8.66	0.61	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
	<i>0.236</i>	<i>0.222</i>	<i>0.015</i>	<i>0.018</i>	<i>0.023</i>	<i>0.215</i>	<i>0.360</i>	<i>0.341</i>	<i>0.024</i>	
# CCEX-005.99-BC-PK10	5.99	5.64	0.38	0.46	0.58	5.46	9.14	8.66	0.61	Beryllium Copper or Carbon Steel (Manufacturers Discretion)
	<i>0.236</i>	<i>0.222</i>	<i>0.015</i>	<i>0.018</i>	<i>0.023</i>	<i>0.215</i>	<i>0.360</i>	<i>0.341</i>	<i>0.024</i>	

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-006.00-420	6.00 <i>0.236</i>	5.70 <i>0.224</i>	0.70 <i>0.028</i>	0.80 <i>0.031</i>	-	-	11.70 <i>0.461</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
# CCEX-006.00-CS-PK10	6.00 <i>0.236</i>	5.70 <i>0.224</i>	0.70 <i>0.028</i>	0.80 <i>0.031</i>	0.50 <i>0.020</i>	5.60 <i>0.220</i>	11.70 <i>0.461</i>	11.10 <i>0.437</i>	1.20 <i>0.047</i>	Carbon Spring Steel
# CCEX-006.00-420-PK10	6.00 <i>0.236</i>	5.70 <i>0.224</i>	0.70 <i>0.028</i>	0.80 <i>0.031</i>	-	-	11.70 <i>0.461</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
CCEX-006.00-CS	6.00 <i>0.236</i>	5.70 <i>0.224</i>	0.70 <i>0.028</i>	0.80 <i>0.031</i>	0.50 <i>0.020</i>	5.60 <i>0.220</i>	11.70 <i>0.461</i>	11.10 <i>0.437</i>	1.20 <i>0.047</i>	Carbon Spring Steel
# CCEX-006.35-420	6.35 <i>0.250</i>	5.84 <i>0.230</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		5.72 <i>0.225</i>		11.43 <i>0.450</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-006.35-420-PK10	6.35 <i>0.250</i>	5.84 <i>0.230</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		5.72 <i>0.225</i>		11.43 <i>0.450</i>	0.99 <i>0.039</i>	420 Stainless Steel
CCEX-006.35-CS	6.35 <i>0.250</i>	5.84 <i>0.230</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.81 <i>0.032</i>	5.72 <i>0.225</i>	11.43 <i>0.450</i>	10.92 <i>0.430</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-006.35-CS-PK10	6.35 <i>0.250</i>	5.84 <i>0.230</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.81 <i>0.032</i>	5.72 <i>0.225</i>	11.43 <i>0.450</i>	10.92 <i>0.430</i>	0.99 <i>0.039</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-007.00-CS	7.00 <i>0.276</i>	6.70 <i>0.264</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	0.50 <i>0.020</i>	6.50 <i>0.256</i>	13.50 <i>0.531</i>	12.90 <i>0.508</i>	1.20 <i>0.047</i>	Carbon Spring Steel
# CCEX-007.00-420-PK10	7.00 <i>0.276</i>	6.70 <i>0.264</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	-	-	13.50 <i>0.531</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
# CCEX-007.00-420	7.00 <i>0.276</i>	6.70 <i>0.264</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	-	-	13.50 <i>0.531</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
# CCEX-007.00-CS-PK10	7.00 <i>0.276</i>	6.70 <i>0.264</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	0.50 <i>0.020</i>	6.50 <i>0.256</i>	13.50 <i>0.531</i>	12.90 <i>0.508</i>	1.20 <i>0.047</i>	Carbon Spring Steel
# CCEX-007.01-420	7.01 <i>0.276</i>	6.48 <i>0.255</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		6.35 <i>0.250</i>		12.19 <i>0.480</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-007.01-420-PK10	7.01 <i>0.276</i>	6.48 <i>0.255</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		6.35 <i>0.250</i>		12.19 <i>0.480</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-007.01-CS	7.01 <i>0.276</i>	6.48 <i>0.255</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.89 <i>0.035</i>	6.35 <i>0.250</i>	12.19 <i>0.480</i>	11.68 <i>0.460</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-007.01-CS-PK10	7.01 <i>0.276</i>	6.48 <i>0.255</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.89 <i>0.035</i>	6.35 <i>0.250</i>	12.19 <i>0.480</i>	11.68 <i>0.460</i>	0.99 <i>0.039</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-007.14-420-PK10	7.14 <i>0.281</i>	6.63 <i>0.261</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		6.50 <i>0.256</i>		12.45 <i>0.490</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-007.14-CS	7.14 <i>0.281</i>	6.63 <i>0.261</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.84 <i>0.033</i>	6.50 <i>0.256</i>	12.45 <i>0.490</i>	11.94 <i>0.470</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-007.14-420	7.14 <i>0.281</i>	6.63 <i>0.261</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		6.50 <i>0.256</i>		12.45 <i>0.490</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-007.14-CS-PK10	7.14 <i>0.281</i>	6.63 <i>0.261</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.84 <i>0.033</i>	6.50 <i>0.256</i>	12.45 <i>0.490</i>	11.94 <i>0.470</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-007.92-420	7.93 <i>0.312</i>	7.37 <i>0.290</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		7.14 <i>0.281</i>		13.72 <i>0.540</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-007.92-420-PK10	7.93 <i>0.312</i>	7.37 <i>0.290</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		7.14 <i>0.281</i>		13.72 <i>0.540</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-007.92-CS	7.93 <i>0.312</i>	7.37 <i>0.290</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.91 <i>0.036</i>	7.14 <i>0.281</i>	13.72 <i>0.540</i>	13.21 <i>0.520</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-007.92-CS-PK10	7.93 <i>0.312</i>	7.37 <i>0.290</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.91 <i>0.036</i>	7.14 <i>0.281</i>	13.72 <i>0.540</i>	13.21 <i>0.520</i>	0.99 <i>0.039</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-008.00-420-PK10	8.00 <i>0.315</i>	7.60 <i>0.299</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	-	-	14.70 <i>0.579</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
CCEX-008.00-CS	8.00 <i>0.315</i>	7.60 <i>0.299</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	0.60 <i>0.024</i>	7.40 <i>0.291</i>	14.70 <i>0.579</i>	14.00 <i>0.551</i>	1.20 <i>0.047</i>	Carbon Spring Steel
CCEX-008.00-420	8.00 <i>0.315</i>	7.60 <i>0.299</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	-	-	14.70 <i>0.579</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
# CCEX-008.00-CS-PK10	8.00 <i>0.315</i>	7.60 <i>0.299</i>	0.80 <i>0.031</i>	0.90 <i>0.035</i>	0.60 <i>0.024</i>	7.40 <i>0.291</i>	14.70 <i>0.579</i>	14.00 <i>0.551</i>	1.20 <i>0.047</i>	Carbon Spring Steel
# CCEX-008.74-420	8.74 <i>0.344</i>	8.15 <i>0.321</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		7.85 <i>0.309</i>		14.48 <i>0.570</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-008.74-420-PK10	8.74 <i>0.344</i>	8.15 <i>0.321</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		7.85 <i>0.309</i>		14.48 <i>0.570</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-008.74-CS	8.74 <i>0.344</i>	8.15 <i>0.321</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.97 <i>0.038</i>	7.85 <i>0.309</i>	14.48 <i>0.570</i>	13.97 <i>0.550</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-008.74-CS-PK10	8.74 <i>0.344</i>	8.15 <i>0.321</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.97 <i>0.038</i>	7.85 <i>0.309</i>	14.48 <i>0.570</i>	13.97 <i>0.550</i>	0.99 <i>0.039</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-008.99-420-PK10	8.99 <i>0.354</i>	8.38 <i>0.330</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		8.13 <i>0.320</i>		14.73 <i>0.580</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-008.99-CS	8.99 <i>0.354</i>	8.38 <i>0.330</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.97 <i>0.038</i>	8.13 <i>0.320</i>	14.99 <i>0.590</i>	14.48 <i>0.570</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-008.99-420	8.99 <i>0.354</i>	8.38 <i>0.330</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		8.13 <i>0.320</i>		14.73 <i>0.580</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-008.99-CS-PK10	8.99 <i>0.354</i>	8.38 <i>0.330</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.97 <i>0.038</i>	8.13 <i>0.320</i>	14.99 <i>0.590</i>	14.48 <i>0.570</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-009.00-420	9.00 <i>0.354</i>	8.60 <i>0.339</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	16.00 <i>0.630</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
# CCEX-009.00-420-PK10	9.00 <i>0.354</i>	8.60 <i>0.339</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	16.00 <i>0.630</i>	-	1.20 <i>0.047</i>	420 Stainless Steel
CCEX-009.00-CS	9.00 <i>0.354</i>	8.60 <i>0.339</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.60 <i>0.024</i>	8.40 <i>0.331</i>	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.20 <i>0.047</i>	Carbon Spring Steel
# CCEX-009.00-CS-PK10	9.00 <i>0.354</i>	8.60 <i>0.339</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.60 <i>0.024</i>	8.40 <i>0.331</i>	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.20 <i>0.047</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-009.53-420	9.53 <i>0.375</i>	8.94 <i>0.352</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		8.59 <i>0.338</i>		15.24 <i>0.600</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-009.53-CS-PK10	9.53 <i>0.375</i>	8.94 <i>0.352</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.97 <i>0.038</i>	8.59 <i>0.338</i>	15.49 <i>0.610</i>	14.99 <i>0.590</i>	0.99 <i>0.039</i>	Carbon Spring Steel
CCEX-009.53-CS	9.53 <i>0.375</i>	8.94 <i>0.352</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.97 <i>0.038</i>	8.59 <i>0.338</i>	15.49 <i>0.610</i>	14.99 <i>0.590</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-009.53-420-PK10	9.53 <i>0.375</i>	8.94 <i>0.352</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		8.59 <i>0.338</i>		15.24 <i>0.600</i>	0.99 <i>0.039</i>	420 Stainless Steel
CCEX-010.00-420	10.00 <i>0.394</i>	9.60 <i>0.378</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.60 <i>0.024</i>	9.30 <i>0.366</i>	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.50 <i>0.059</i>	420 Stainless Steel
# CCEX-010.00-420-PK10	10.00 <i>0.394</i>	9.60 <i>0.378</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.60 <i>0.024</i>	9.30 <i>0.366</i>	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.50 <i>0.059</i>	420 Stainless Steel
CCEX-010.00-CS	10.00 <i>0.394</i>	9.60 <i>0.378</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.60 <i>0.024</i>	9.30 <i>0.366</i>	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.50 <i>0.059</i>	Carbon Spring Steel
# CCEX-010.00-CS-PK10	10.00 <i>0.394</i>	9.60 <i>0.378</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.60 <i>0.024</i>	9.30 <i>0.366</i>	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.50 <i>0.059</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-010.01-420-PK10	10.01 <i>0.394</i>	9.37 <i>0.369</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		8.99 <i>0.354</i>		15.75 <i>0.620</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-010.01-CS	10.01 <i>0.394</i>	9.37 <i>0.369</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	1.04 <i>0.041</i>	8.99 <i>0.354</i>	15.75 <i>0.620</i>	15.24 <i>0.600</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-010.01-420	10.01 <i>0.394</i>	9.37 <i>0.369</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		8.99 <i>0.354</i>		15.75 <i>0.620</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-010.01-CS-PK10	10.01 <i>0.394</i>	9.37 <i>0.369</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	1.04 <i>0.041</i>	8.99 <i>0.354</i>	15.75 <i>0.620</i>	15.24 <i>0.600</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-010.31-CS	10.31 <i>0.406</i>	9.70 <i>0.382</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.99 <i>0.039</i>	9.30 <i>0.366</i>	16.00 <i>0.630</i>	15.49 <i>0.610</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-010.31-CS-PK10	10.31 <i>0.406</i>	9.70 <i>0.382</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	0.99 <i>0.039</i>	9.30 <i>0.366</i>	16.00 <i>0.630</i>	15.49 <i>0.610</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-011.00-420	11.00 <i>0.433</i>	10.39 - 10.50	0.94 - 1.00	1.10 <i>0.043</i>	0.80 <i>0.031</i>	9.84 - 10.30	17.10 <i>0.673</i>	18.00 <i>0.709</i>	1.50 <i>0.059</i>	Stainless Steel
# CCEX-011.00-CS-PK10	11.00 <i>0.433</i>	10.50	1.00	1.10 <i>0.043</i>	0.80 <i>0.031</i>	10.20 <i>0.402</i>	18.00 <i>0.709</i>	17.10 <i>0.673</i>	1.50 <i>0.059</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-011.00-CS	11.00 <i>0.433</i>	10.50 <i>0.413</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.80 <i>0.031</i>	10.20 <i>0.402</i>	18.00 <i>0.709</i>	17.10 <i>0.673</i>	1.50 <i>0.059</i>	Carbon Spring Steel
# CCEX-011.13-CS-PK10	11.13 <i>0.438</i>	10.47 <i>0.412</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	1.07 <i>0.042</i>	10.03 <i>0.395</i>	16.76 <i>0.660</i>	16.26 <i>0.640</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-011.13-CS	11.13 <i>0.438</i>	10.47 <i>0.412</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	1.07 <i>0.042</i>	10.03 <i>0.395</i>	16.76 <i>0.660</i>	16.26 <i>0.640</i>	0.99 <i>0.039</i>	Carbon Spring Steel
# CCEX-011.13-420	11.13 <i>0.438</i>	10.47 <i>0.412</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		10.03 <i>0.395</i>		16.76 <i>0.660</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-011.13-420-PK10	11.13 <i>0.438</i>	10.47 <i>0.412</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		10.03 <i>0.395</i>		16.76 <i>0.660</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-011.91-420	11.91 <i>0.469</i>	11.25 <i>0.443</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		10.87 <i>0.428</i>		17.53 <i>0.690</i>	0.99 <i>0.039</i>	420 Stainless Steel
# CCEX-011.91-420-PK10	11.91 <i>0.469</i>	11.25 <i>0.443</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>		10.87 <i>0.428</i>		17.53 <i>0.690</i>	0.99 <i>0.039</i>	420 Stainless Steel
CCEX-011.91-CS	11.91 <i>0.469</i>	11.25 <i>0.443</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	1.07 <i>0.042</i>	10.87 <i>0.428</i>	17.27 <i>0.680</i>	16.76 <i>0.660</i>	0.99 <i>0.039</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-011.91-CS-PK10	11.91 <i>0.469</i>	11.25 <i>0.443</i>	0.64 <i>0.025</i>	0.74 <i>0.029</i>	1.07 <i>0.042</i>	10.87 <i>0.428</i>	17.27 <i>0.680</i>	16.76 <i>0.660</i>	0.99 <i>0.039</i>	Carbon Spring Steel
CCEX-012.00-420	12.00 <i>0.472</i>	11.50 <i>0.453</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	19.00 <i>0.748</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
# CCEX-012.00-420-PK10	12.00 <i>0.472</i>	11.50 <i>0.453</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	19.00 <i>0.748</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
CCEX-012.00-CS	12.00 <i>0.472</i>	11.50 <i>0.453</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.80 <i>0.031</i>	11.00 <i>0.433</i>	19.00 <i>0.748</i>	18.10 <i>0.713</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-012.00-CS-PK10	12.00 <i>0.472</i>	11.50 <i>0.453</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.80 <i>0.031</i>	11.00 <i>0.433</i>	19.00 <i>0.748</i>	18.10 <i>0.713</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-012.00H-CS	12.00 <i>0.472</i>	11.50 <i>0.453</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	0.70 <i>0.028</i>	11.00 <i>0.433</i>	19.30 <i>0.760</i>	18.30 <i>0.720</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-012.00H-CS-PK10	12.00 <i>0.472</i>	11.50 <i>0.453</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	0.70 <i>0.028</i>	11.00 <i>0.433</i>	19.30 <i>0.760</i>	18.30 <i>0.720</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-012.70-420-PK10	12.70 <i>0.500</i>	11.89 <i>0.468</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		11.71 <i>0.461</i>		19.56 <i>0.770</i>	1.22 <i>0.048</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-012.70-CS	12.70 <i>0.500</i>	11.89 <i>0.468</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.30 <i>0.051</i>	11.71 <i>0.461</i>	19.56 <i>0.770</i>	18.80 <i>0.740</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-012.70-CS-PK10	12.70 <i>0.500</i>	11.89 <i>0.468</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.30 <i>0.051</i>	11.71 <i>0.461</i>	19.56 <i>0.770</i>	18.80 <i>0.740</i>	1.14 <i>0.045</i>	Carbon Spring Steel
CCEX-012.70-420	12.70 <i>0.500</i>	11.89 <i>0.468</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		11.71 <i>0.461</i>	19.56 <i>0.770</i>		1.22 <i>0.048</i>	420 Stainless Steel
# CCEX-012.70H-CS	12.70 <i>0.500</i>	11.89 <i>0.468</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.22 <i>0.048</i>	11.68 <i>0.460</i>	19.05 <i>0.750</i>	18.29 <i>0.720</i>	1.22 <i>0.048</i>	Carbon Spring Steel
# CCEX-012.70H-CS-PK10	12.70 <i>0.500</i>	11.89 <i>0.468</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.22 <i>0.048</i>	11.68 <i>0.460</i>	19.05 <i>0.750</i>	18.29 <i>0.720</i>	1.22 <i>0.048</i>	Carbon Spring Steel
CCEX-013.00-CS	13.00 <i>0.512</i>	12.40 <i>0.488</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.90 <i>0.035</i>	11.90 <i>0.469</i>	20.20 <i>0.795</i>	19.20 <i>0.756</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-013.00-CS-PK10	13.00 <i>0.512</i>	12.40 <i>0.488</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.90 <i>0.035</i>	11.90 <i>0.469</i>	20.20 <i>0.795</i>	19.20 <i>0.756</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-013.99-420-PK10	13.99 <i>0.551</i>	13.18 <i>0.519</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		12.93 <i>0.509</i>		20.57 <i>0.810</i>	1.14 <i>0.045</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-013.99-420	13.99 <i>0.551</i>	13.18 <i>0.519</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		12.93 <i>0.509</i>		20.57 <i>0.810</i>	1.14 <i>0.045</i>	420 Stainless Steel
# CCEX-014.00-LD-CS-PK10	14.00 <i>0.551</i>	13.18 <i>0.519</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.30 <i>0.051</i>	12.93 <i>0.509</i>	20.57 <i>0.810</i>	19.81 <i>0.780</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-014.00-LD-CS	14.00 <i>0.551</i>	13.18 <i>0.519</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.30 <i>0.051</i>	12.93 <i>0.509</i>	20.57 <i>0.810</i>	19.81 <i>0.780</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-014.00-CS-PK10	14.00 <i>0.551</i>	13.40 <i>0.528</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.90 <i>0.035</i>	12.90 <i>0.508</i>	21.40 <i>0.843</i>	20.40 <i>0.803</i>	1.70 <i>0.067</i>	Carbon Spring Steel
CCEX-014.00-CS	14.00 <i>0.551</i>	13.40 <i>0.528</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	0.90 <i>0.035</i>	12.90 <i>0.508</i>	21.40 <i>0.843</i>	20.40 <i>0.803</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-014.00-420	14.00 <i>0.551</i>	13.40 <i>0.528</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	21.40 <i>0.843</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
# CCEX-014.00-420-PK10	14.00 <i>0.551</i>	13.40 <i>0.528</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	21.40 <i>0.843</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
# CCEX-014.27-420-PK10	14.28 <i>0.562</i>	13.46 <i>0.530</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		13.23 <i>0.521</i>		20.83 <i>0.820</i>	1.14 <i>0.045</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-014.27-CS	14.28 <i>0.562</i>	13.46 <i>0.530</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.30 <i>0.051</i>	13.23 <i>0.521</i>	20.83 <i>0.820</i>	20.07 <i>0.790</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-014.27-CS-PK10	14.28 <i>0.562</i>	13.46 <i>0.530</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.30 <i>0.051</i>	13.23 <i>0.521</i>	20.83 <i>0.820</i>	20.07 <i>0.790</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-014.27-420	14.28 <i>0.562</i>	13.46 <i>0.530</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		13.23 <i>0.521</i>		20.83 <i>0.820</i>	1.14 <i>0.045</i>	420 Stainless Steel
CCEX-015.00-420	15.00 <i>0.591</i>	14.30 <i>0.563</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.10 <i>0.043</i>	13.80 <i>0.543</i>	22.60 <i>0.890</i>	21.50 <i>0.846</i>	1.70 <i>0.067</i>	420 Stainless Steel
# CCEX-015.00-420-PK10	15.00 <i>0.591</i>	14.30 <i>0.563</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.10 <i>0.043</i>	13.80 <i>0.543</i>	22.60 <i>0.890</i>	21.50 <i>0.846</i>	1.70 <i>0.067</i>	420 Stainless Steel
CCEX-015.00-CS	15.00 <i>0.591</i>	14.30 <i>0.563</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.10 <i>0.043</i>	13.80 <i>0.543</i>	22.60 <i>0.890</i>	21.50 <i>0.846</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-015.00-CS-PK10	15.00 <i>0.591</i>	14.30 <i>0.563</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.10 <i>0.043</i>	13.80 <i>0.543</i>	22.60 <i>0.890</i>	21.50 <i>0.846</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-015.00H-CS-PK10	15.00 <i>0.591</i>	14.30 <i>0.563</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.10 <i>0.043</i>	13.80 <i>0.543</i>	25.10 <i>0.988</i>	23.90 <i>0.941</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-015.00H-CS	15.00 <i>0.591</i>	14.30 <i>0.563</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.10 <i>0.043</i>	13.80 <i>0.543</i>	25.10 <i>0.988</i>	23.90 <i>0.941</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-015.01-CS	15.01 <i>0.591</i>	14.10 <i>0.555</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.37 <i>0.054</i>	13.79 <i>0.543</i>	21.84 <i>0.860</i>	21.08 <i>0.830</i>	1.22 <i>0.048</i>	Carbon Spring Steel
# CCEX-015.01-CS-PK10	15.01 <i>0.591</i>	14.10 <i>0.555</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.37 <i>0.054</i>	13.79 <i>0.543</i>	21.84 <i>0.860</i>	21.08 <i>0.830</i>	1.22 <i>0.048</i>	Carbon Spring Steel
# CCEX-015.09-CS	15.09 <i>0.594</i>	14.20 <i>0.559</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.45 <i>0.057</i>	13.97 <i>0.550</i>	21.84 <i>0.860</i>	21.08 <i>0.830</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-015.09-CS-PK10	15.09 <i>0.594</i>	14.20 <i>0.559</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.45 <i>0.057</i>	13.97 <i>0.550</i>	21.84 <i>0.860</i>	21.08 <i>0.830</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-015.88-CS-PK10	15.88 <i>0.625</i>	14.94 <i>0.588</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.52 <i>0.060</i>	14.71 <i>0.579</i>	22.86 <i>0.900</i>	22.10 <i>0.870</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-015.88-420	15.88 <i>0.625</i>	14.94 <i>0.588</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		14.71 <i>0.579</i>		22.86 <i>0.900</i>	1.22 <i>0.048</i>	420 Stainless Steel
# CCEX-015.88-420-PK10	15.88 <i>0.625</i>	14.94 <i>0.588</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>		14.71 <i>0.579</i>		22.86 <i>0.900</i>	1.22 <i>0.048</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-015.88-CS	15.88 <i>0.625</i>	14.94 <i>0.588</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.52 <i>0.060</i>	14.71 <i>0.579</i>	22.86 <i>0.900</i>	22.10 <i>0.870</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-015.88H-CS-PK10	15.88 <i>0.625</i>	14.94 <i>0.588</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.45 <i>0.057</i>	14.61 <i>0.575</i>	22.86 <i>0.900</i>	21.84 <i>0.860</i>	1.22 <i>0.048</i>	Carbon Spring Steel
# CCEX-015.88H-CS	15.88 <i>0.625</i>	14.94 <i>0.588</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.45 <i>0.057</i>	14.61 <i>0.575</i>	22.86 <i>0.900</i>	21.84 <i>0.860</i>	1.22 <i>0.048</i>	Carbon Spring Steel
CCEX-016.00-420	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	23.80 <i>0.937</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
# CCEX-016.00-420-PK10	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	23.80 <i>0.937</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
CCEX-016.00-CS	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.20 <i>0.047</i>	14.70 <i>0.579</i>	23.80 <i>0.937</i>	22.60 <i>0.890</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-016.00-CS-PK10	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.20 <i>0.047</i>	14.70 <i>0.579</i>	23.80 <i>0.937</i>	22.60 <i>0.890</i>	1.70 <i>0.067</i>	Carbon Spring Steel
CCEX-016.00H-CS	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.20 <i>0.047</i>	14.70 <i>0.579</i>	26.50 <i>1.043</i>	25.20 <i>0.992</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-016.00H-CS-PK10	16.00 <i>0.630</i>	15.20 <i>0.598</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.20 <i>0.047</i>	14.70 <i>0.579</i>	26.50 <i>1.043</i>	25.20 <i>0.992</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-016.99-CS	16.99 <i>0.669</i>	15.98 <i>0.629</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.52 <i>0.060</i>	15.65 <i>0.616</i>	23.88 <i>0.940</i>	22.86 <i>0.900</i>	1.22 <i>0.048</i>	Carbon Spring Steel
# CCEX-016.99-CS-PK10	16.99 <i>0.669</i>	15.98 <i>0.629</i>	1.27 <i>0.050</i>	14.22 <i>0.560</i>	1.52 <i>0.060</i>	15.65 <i>0.616</i>	23.88 <i>0.940</i>	22.86 <i>0.900</i>	1.22 <i>0.048</i>	Carbon Spring Steel
# CCEX-017.00-420-PK10	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	25.00 <i>0.984</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
CCEX-017.00-CS	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.20 <i>0.047</i>	15.70 <i>0.618</i>	25.00 <i>0.984</i>	23.80 <i>0.937</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-017.00-CS-PK10	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	1.20 <i>0.047</i>	15.70 <i>0.618</i>	25.00 <i>0.984</i>	23.80 <i>0.937</i>	1.70 <i>0.067</i>	Carbon Spring Steel
# CCEX-017.00-420	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.00 <i>0.039</i>	1.10 <i>0.043</i>	-	-	25.00 <i>0.984</i>	-	1.70 <i>0.067</i>	420 Stainless Steel
CCEX-017.00H-CS	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.50 <i>0.059</i>	15.70 <i>0.618</i>	27.50 <i>1.083</i>	26.20 <i>1.031</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-017.00H-CS-PK10	17.00 <i>0.669</i>	16.20 <i>0.638</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.50 <i>0.059</i>	15.70 <i>0.618</i>	27.50 <i>1.083</i>	26.20 <i>1.031</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-017.07-CS	17.07 <i>0.672</i>	16.03 <i>0.631</i>	0.89 <i>0.035</i>	0.99 <i>0.039</i>	1.68 <i>0.066</i>	15.77 <i>0.621</i>	23.62 <i>0.930</i>	22.61 <i>0.890</i>	1.14 <i>0.045</i>	Carbon Spring Steel
# CCEX-017.48-CS-PK10	17.48 <i>0.688</i>	16.41 <i>0.646</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	1.73 <i>0.068</i>	16.13 <i>0.635</i>	25.65 <i>1.010</i>	24.64 <i>0.970</i>	1.27 <i>0.050</i>	Carbon Spring Steel
# CCEX-017.48-CS	17.48 <i>0.688</i>	16.41 <i>0.646</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	1.73 <i>0.068</i>	16.13 <i>0.635</i>	25.65 <i>1.010</i>	24.64 <i>0.970</i>	1.27 <i>0.050</i>	Carbon Spring Steel
# CCEX-017.48-420	17.48 <i>0.688</i>	16.41 <i>0.646</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>		16.13 <i>0.635</i>		25.65 <i>1.010</i>	1.27 <i>0.050</i>	420 Stainless Steel
# CCEX-017.48-420-PK10	17.48 <i>0.688</i>	16.41 <i>0.646</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>		16.13 <i>0.635</i>		25.65 <i>1.010</i>	1.27 <i>0.050</i>	420 Stainless Steel
# CCEX-018.00-420	18.00 <i>0.709</i>	17.00 <i>0.669</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	26.20 <i>1.031</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
# CCEX-018.00-420-PK10	18.00 <i>0.709</i>	17.00 <i>0.669</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	26.20 <i>1.031</i>	-	2.00 <i>0.079</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-018.00-CS	18.00 <i>0.709</i>	17.00 <i>0.669</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	16.50 <i>0.650</i>	26.20 <i>1.031</i>	24.80 <i>0.976</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-018.00-CS-PK10	18.00 <i>0.709</i>	17.00 <i>0.669</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	16.50 <i>0.650</i>	26.20 <i>1.031</i>	24.80 <i>0.976</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-018.00H-CS	18.00 <i>0.709</i>	17.00 <i>0.669</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.50 <i>0.059</i>	16.50 <i>0.650</i>	28.70 <i>1.130</i>	27.20 <i>1.071</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-018.00H-CS-PK10	18.00 <i>0.709</i>	17.00 <i>0.669</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.50 <i>0.059</i>	16.50 <i>0.650</i>	28.70 <i>1.130</i>	27.20 <i>1.071</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-019.00H-CS-PK10	19.00 <i>0.748</i>	17.80 <i>0.701</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.80 <i>0.071</i>	17.50 <i>0.689</i>	29.90 <i>1.177</i>	28.20 <i>1.110</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-019.00H-CS	19.00 <i>0.748</i>	17.80 <i>0.701</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	1.80 <i>0.071</i>	17.50 <i>0.689</i>	29.90 <i>1.177</i>	28.20 <i>1.110</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-019.00-420	19.00 <i>0.748</i>	17.89 - 18.00	1.14 - 1.20	1.30 <i>0.051</i>	1.50 <i>0.059</i>	17.14 - 17.60	25.80 <i>1.016</i>	27.20 <i>1.071</i>	2.00 <i>0.079</i>	Stainless Steel
CCEX-019.00-CS	19.00 <i>0.748</i>	18.00 <i>0.709</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	17.50 <i>0.689</i>	27.20 <i>1.071</i>	25.80 <i>1.016</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-019.00-CS-PK10	19.00 <i>0.748</i>	18.00 <i>0.709</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	17.50 <i>0.689</i>	27.20 <i>1.071</i>	25.80 <i>1.016</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-019.05-CS-PK10	19.05 <i>0.750</i>	17.88 <i>0.704</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	1.88 <i>0.074</i>	17.60 <i>0.693</i>	27.69 <i>1.090</i>	26.67 <i>1.050</i>	1.27 <i>0.050</i>	Carbon Spring Steel
CCEX-019.05-CS	19.05 <i>0.750</i>	17.88 <i>0.704</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	1.88 <i>0.074</i>	17.60 <i>0.693</i>	27.69 <i>1.090</i>	26.67 <i>1.050</i>	1.27 <i>0.050</i>	Carbon Spring Steel
# CCEX-019.05-420-PK10	19.05 <i>0.750</i>	17.88 <i>0.704</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>		17.60 <i>0.693</i>		27.69 <i>1.090</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-019.05-420	19.05 <i>0.750</i>	17.88 <i>0.704</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>		17.60 <i>0.693</i>		27.69 <i>1.090</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-019.05H-CS	19.05 <i>0.750</i>	17.88 <i>0.704</i>	1.98 <i>0.078</i>	21.84 <i>0.860</i>	1.75 <i>0.069</i>	17.50 <i>0.689</i>	28.45 <i>1.120</i>	27.43 <i>1.080</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-019.05H-CS-PK10	19.05 <i>0.750</i>	17.88 <i>0.704</i>	1.98 <i>0.078</i>	21.84 <i>0.860</i>	1.75 <i>0.069</i>	17.50 <i>0.689</i>	28.45 <i>1.120</i>	27.43 <i>1.080</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-019.84-CS	19.84 <i>0.781</i>	18.62 <i>0.733</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	1.93 <i>0.076</i>	18.34 <i>0.722</i>	28.45 <i>1.120</i>	27.43 <i>1.080</i>	1.27 <i>0.050</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-019.84-CS-PK10	19.84 <i>0.781</i>	18.62 <i>0.733</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	1.93 <i>0.076</i>	18.34 <i>0.722</i>	28.45 <i>1.120</i>	27.43 <i>1.080</i>	1.27 <i>0.050</i>	Carbon Spring Steel
CCEX-020.00-420	20.00 <i>0.787</i>	19.00 <i>0.748</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	28.40 <i>1.118</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
# CCEX-020.00-420-PK10	20.00 <i>0.787</i>	19.00 <i>0.748</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	28.40 <i>1.118</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
CCEX-020.00-CS	20.00 <i>0.787</i>	19.00 <i>0.748</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	18.50 <i>0.728</i>	28.40 <i>1.118</i>	27.00 <i>1.063</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-020.00-CS-PK10	20.00 <i>0.787</i>	19.00 <i>0.748</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	18.50 <i>0.728</i>	28.40 <i>1.118</i>	27.00 <i>1.063</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-020.00H-CS	20.00 <i>0.787</i>	19.00 <i>0.748</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	1.50 <i>0.059</i>	18.50 <i>0.728</i>	31.50 <i>1.240</i>	30.00 <i>1.181</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-020.00H-CS-PK10	20.00 <i>0.787</i>	19.00 <i>0.748</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	1.50 <i>0.059</i>	18.50 <i>0.728</i>	31.50 <i>1.240</i>	30.00 <i>1.181</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-020.62-CS	20.63 <i>0.812</i>	19.36 <i>0.762</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.03 <i>0.080</i>	19.08 <i>0.751</i>	29.21 <i>1.150</i>	27.94 <i>1.100</i>	1.27 <i>0.050</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-020.62-CS-PK10	20.63 <i>0.812</i>	19.36 <i>0.762</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.03 <i>0.080</i>	19.08 <i>0.751</i>	29.21 <i>1.150</i>	27.94 <i>1.100</i>	1.27 <i>0.050</i>	Carbon Spring Steel
CCEX-021.00-CS	21.00 <i>0.827</i>	20.00 <i>0.787</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	19.50 <i>0.768</i>	29.60 <i>1.165</i>	28.20 <i>1.110</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-021.00-CS-PK10	21.00 <i>0.827</i>	20.00 <i>0.787</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	19.50 <i>0.768</i>	29.60 <i>1.165</i>	28.20 <i>1.110</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-022.00-420-PK10	22.00 <i>0.866</i>	21.00 <i>0.827</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	30.80 <i>1.213</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
CCEX-022.00-CS	22.00 <i>0.866</i>	21.00 <i>0.827</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	20.50 <i>0.807</i>	30.80 <i>1.213</i>	29.40 <i>1.157</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-022.00-CS-PK10	22.00 <i>0.866</i>	21.00 <i>0.827</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	20.50 <i>0.807</i>	30.80 <i>1.213</i>	29.40 <i>1.157</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-022.00-420	22.00 <i>0.866</i>	21.00 <i>0.827</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	30.80 <i>1.213</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
# CCEX-022.00H-CS	22.00 <i>0.866</i>	21.00 <i>0.827</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	1.50 <i>0.059</i>	20.50 <i>0.807</i>	34.50 <i>1.358</i>	33.00 <i>1.299</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm	Groove Diameter (D) mm	Circlip Thickness (T) mm	Groove Width (W) mm	Min Extension (n) mm	Loose Circlip ID (A) mm	Assem. Clear. on Shaft (C1) mm	Assem. Clear. in Groove (C) mm	Min. Hole Diameter (h) mm	Material
	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# CCEX-022.00H-CS-PK10	22.00	21.00	1.75	1.85	1.50	20.50	34.50	33.00	2.00	Carbon Spring Steel
	<i>0.866</i>	<i>0.827</i>	<i>0.069</i>	<i>0.073</i>	<i>0.059</i>	<i>0.807</i>	<i>1.358</i>	<i>1.299</i>	<i>0.079</i>	
# CCEX-022.23-420	22.23	20.85	1.07	1.17		20.57		30.73	1.93	420 Stainless Steel
	<i>0.875</i>	<i>0.821</i>	<i>0.042</i>	<i>0.046</i>		<i>0.810</i>		<i>1.210</i>	<i>0.076</i>	
# CCEX-022.23-420-PK10	22.23	20.85	1.07	1.17		20.57		30.73	1.93	420 Stainless Steel
	<i>0.875</i>	<i>0.821</i>	<i>0.042</i>	<i>0.046</i>		<i>0.810</i>		<i>1.210</i>	<i>0.076</i>	
# CCEX-022.23-CS	22.23	20.85	1.07	1.17	2.16	20.57	30.73	29.46	1.27	Carbon Spring Steel
	<i>0.875</i>	<i>0.821</i>	<i>0.042</i>	<i>0.046</i>	<i>0.085</i>	<i>0.810</i>	<i>1.210</i>	<i>1.160</i>	<i>0.050</i>	
# CCEX-022.23-CS-PK10	22.23	20.85	1.07	1.17	2.16	20.57	30.73	29.46	1.27	Carbon Spring Steel
	<i>0.875</i>	<i>0.821</i>	<i>0.042</i>	<i>0.046</i>	<i>0.085</i>	<i>0.810</i>	<i>1.210</i>	<i>1.160</i>	<i>0.050</i>	
# CCEX-022.23H-CS	22.23	20.85	1.98	21.84	2.06	20.42	31.75	30.48	1.93	Carbon Spring Steel
	<i>0.875</i>	<i>0.821</i>	<i>0.078</i>	<i>0.860</i>	<i>0.081</i>	<i>0.804</i>	<i>1.250</i>	<i>1.200</i>	<i>0.076</i>	
# CCEX-022.23H-CS-PK10	22.23	20.85	1.98	21.84	2.06	20.42	31.75	30.48	1.93	Carbon Spring Steel
	<i>0.875</i>	<i>0.821</i>	<i>0.078</i>	<i>0.860</i>	<i>0.081</i>	<i>0.804</i>	<i>1.250</i>	<i>1.200</i>	<i>0.076</i>	
# CCEX-023.00H-CS	23.00	21.80	1.75	1.85	1.80	21.30	35.70	34.00	2.00	Carbon Spring Steel
	<i>0.906</i>	<i>0.858</i>	<i>0.069</i>	<i>0.073</i>	<i>0.071</i>	<i>0.839</i>	<i>1.406</i>	<i>1.339</i>	<i>0.079</i>	

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-023.00H-CS-PK10	23.00 <i>0.906</i>	21.80 <i>0.858</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	1.80 <i>0.071</i>	21.30 <i>0.839</i>	35.70 <i>1.406</i>	34.00 <i>1.339</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-023.00-CS-PK10	23.00 <i>0.906</i>	22.00 <i>0.866</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	21.50 <i>0.846</i>	32.00 <i>1.260</i>	30.60 <i>1.205</i>	2.00 <i>0.079</i>	Carbon Spring Steel
CCEX-023.00-CS	23.00 <i>0.906</i>	22.00 <i>0.866</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.50 <i>0.059</i>	21.50 <i>0.846</i>	32.00 <i>1.260</i>	30.60 <i>1.205</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-023.83-CS	23.83 <i>0.938</i>	22.40 <i>0.882</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.24 <i>0.088</i>	22.02 <i>0.867</i>	34.04 <i>1.340</i>	32.77 <i>1.290</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-023.83-CS-PK10	23.83 <i>0.938</i>	22.40 <i>0.882</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.24 <i>0.088</i>	22.02 <i>0.867</i>	34.04 <i>1.340</i>	32.77 <i>1.290</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-024.00-CS-PK10	24.00 <i>0.945</i>	22.90 <i>0.902</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.70 <i>0.067</i>	22.20 <i>0.874</i>	33.20 <i>1.307</i>	31.70 <i>1.248</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-024.00-420	24.00 <i>0.945</i>	22.90 <i>0.902</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	33.20 <i>1.307</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
# CCEX-024.00-420-PK10	24.00 <i>0.945</i>	22.90 <i>0.902</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	33.20 <i>1.307</i>	-	2.00 <i>0.079</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-024.00-CS	24.00 <i>0.945</i>	22.90 <i>0.902</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.70 <i>0.067</i>	22.20 <i>0.874</i>	33.20 <i>1.307</i>	31.70 <i>1.248</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-024.00H-CS	24.00 <i>0.945</i>	22.90 <i>0.902</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	1.70 <i>0.067</i>	22.20 <i>0.874</i>	37.10 <i>1.461</i>	35.50 <i>1.398</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-024.00H-CS-PK10	24.00 <i>0.945</i>	22.90 <i>0.902</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	1.70 <i>0.067</i>	22.20 <i>0.874</i>	37.10 <i>1.461</i>	35.50 <i>1.398</i>	2.00 <i>0.079</i>	Carbon Spring Steel
CCEX-024.99H-CS	24.99 <i>0.984</i>	23.50 <i>0.925</i>	1.98 <i>0.078</i>	21.84 <i>0.860</i>	2.29 <i>0.090</i>	23.01 <i>0.906</i>	34.54 <i>1.360</i>	33.02 <i>1.300</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-024.99H-CS-PK10	24.99 <i>0.984</i>	23.50 <i>0.925</i>	1.98 <i>0.078</i>	21.84 <i>0.860</i>	2.29 <i>0.090</i>	23.01 <i>0.906</i>	34.54 <i>1.360</i>	33.02 <i>1.300</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-024.99-CS	24.99 <i>0.984</i>	23.52 <i>0.926</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.31 <i>0.091</i>	23.11 <i>0.910</i>	35.31 <i>1.390</i>	34.04 <i>1.340</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-024.99-CS-PK10	24.99 <i>0.984</i>	23.52 <i>0.926</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.31 <i>0.091</i>	23.11 <i>0.910</i>	35.31 <i>1.390</i>	34.04 <i>1.340</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-025.00-420	25.00 <i>0.984</i>	23.90 <i>0.941</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	34.20 <i>1.346</i>	-	2.00 <i>0.079</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-025.00-CS-PK10	25.00 <i>0.984</i>	23.90 <i>0.941</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.70 <i>0.067</i>	23.20 <i>0.913</i>	34.20 <i>1.346</i>	32.70 <i>1.287</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-025.00-420-PK10	25.00 <i>0.984</i>	23.90 <i>0.941</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	34.20 <i>1.346</i>	-	2.00 <i>0.079</i>	420 Stainless Steel
CCEX-025.00-CS	25.00 <i>0.984</i>	23.90 <i>0.941</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.70 <i>0.067</i>	23.20 <i>0.913</i>	34.20 <i>1.346</i>	32.70 <i>1.287</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-025.00H-CS	25.00 <i>0.984</i>	23.90 <i>0.941</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	1.70 <i>0.067</i>	23.20 <i>0.913</i>	38.30 <i>1.508</i>	36.70 <i>1.445</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-025.00H-CS-PK10	25.00 <i>0.984</i>	23.90 <i>0.941</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	1.70 <i>0.067</i>	23.20 <i>0.913</i>	38.30 <i>1.508</i>	36.70 <i>1.445</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-025.40H-CS	25.40 <i>1.000</i>	23.83 <i>0.938</i>	1.98 <i>0.078</i>	21.84 <i>0.860</i>	2.36 <i>0.093</i>	23.01 <i>0.906</i>	34.80 <i>1.370</i>	33.27 <i>1.310</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-025.40H-CS-PK10	25.40 <i>1.000</i>	23.83 <i>0.938</i>	1.98 <i>0.078</i>	21.84 <i>0.860</i>	2.36 <i>0.093</i>	23.01 <i>0.906</i>	34.80 <i>1.370</i>	33.27 <i>1.310</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-025.40-420	25.40 <i>1.000</i>	23.88 <i>0.940</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>		23.50 <i>0.925</i>		35.81 <i>1.410</i>	1.93 <i>0.076</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-025.40-420-PK10	25.40 <i>1.000</i>	23.88 <i>0.940</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	-	23.50 <i>0.925</i>	-	35.81 <i>1.410</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-025.40-CS	25.40 <i>1.000</i>	23.88 <i>0.940</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.39 <i>0.094</i>	23.50 <i>0.925</i>	35.81 <i>1.410</i>	34.29 <i>1.350</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-025.40-CS-PK10	25.40 <i>1.000</i>	23.88 <i>0.940</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.39 <i>0.094</i>	23.50 <i>0.925</i>	35.81 <i>1.410</i>	34.29 <i>1.350</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-025.98-CS	25.98 <i>1.023</i>	24.41 <i>0.961</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.46 <i>0.097</i>	24.03 <i>0.946</i>	36.32 <i>1.430</i>	34.80 <i>1.370</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-025.98-CS-PK10	25.98 <i>1.023</i>	24.41 <i>0.961</i>	1.07 <i>0.042</i>	1.17 <i>0.046</i>	2.46 <i>0.097</i>	24.03 <i>0.946</i>	36.32 <i>1.430</i>	34.80 <i>1.370</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-026.00H-CS	26.00 <i>1.024</i>	24.40 <i>0.961</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.40 <i>0.094</i>	23.60 <i>0.929</i>	39.70 <i>1.563</i>	37.60 <i>1.480</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-026.00H-CS-PK10	26.00 <i>1.024</i>	24.40 <i>0.961</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.40 <i>0.094</i>	23.60 <i>0.929</i>	39.70 <i>1.563</i>	37.60 <i>1.480</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-026.00-420-PK10	26.00 <i>1.024</i>	24.90 <i>0.980</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	-	-	35.50 <i>1.398</i>	-	2.00 <i>0.079</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-026.00-420	26.00 <i>1.024</i>	24.90 <i>0.980</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	- <i>0.000</i>	- <i>0.000</i>	35.50 <i>1.398</i>	- <i>0.000</i>	2.00 <i>0.079</i>	420 Stainless Steel
CCEX-026.00-CS	26.00 <i>1.024</i>	24.90 <i>0.980</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.70 <i>0.067</i>	24.20 <i>0.953</i>	35.50 <i>1.398</i>	33.90 <i>1.335</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-026.00-CS-PK10	26.00 <i>1.024</i>	24.90 <i>0.980</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	1.70 <i>0.067</i>	24.20 <i>0.953</i>	35.50 <i>1.398</i>	33.90 <i>1.335</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-026.97-CS	26.98 <i>1.062</i>	25.35 <i>0.998</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.59 <i>0.102</i>	24.94 <i>0.982</i>	38.10 <i>1.500</i>	36.58 <i>1.440</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-026.97-CS-PK10	26.98 <i>1.062</i>	25.35 <i>0.998</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.59 <i>0.102</i>	24.94 <i>0.982</i>	38.10 <i>1.500</i>	36.58 <i>1.440</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-026.97H-CS	26.98 <i>1.062</i>	25.35 <i>0.998</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.44 <i>0.096</i>	24.84 <i>0.978</i>	38.61 <i>1.520</i>	37.08 <i>1.460</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-026.97H-CS-PK10	26.98 <i>1.062</i>	25.35 <i>0.998</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.44 <i>0.096</i>	24.84 <i>0.978</i>	38.61 <i>1.520</i>	37.08 <i>1.460</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-027.00H-CS	27.00 <i>1.063</i>	25.50 <i>1.004</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.30 <i>0.091</i>	24.70 <i>0.972</i>	40.50 <i>1.594</i>	38.50 <i>1.516</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-027.00H-CS-PK10	27.00 <i>1.063</i>	25.50 <i>1.004</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.30 <i>0.091</i>	24.70 <i>0.972</i>	40.50 <i>1.594</i>	38.50 <i>1.516</i>	2.00 <i>0.079</i>	Carbon Spring Steel
CCEX-027.00-CS	27.00 <i>1.063</i>	25.60 <i>1.008</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	2.10 <i>0.083</i>	24.90 <i>0.980</i>	36.70 <i>1.445</i>	34.80 <i>1.370</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-027.00-CS-PK10	27.00 <i>1.063</i>	25.60 <i>1.008</i>	1.20 <i>0.047</i>	1.30 <i>0.051</i>	2.10 <i>0.083</i>	24.90 <i>0.980</i>	36.70 <i>1.445</i>	34.80 <i>1.370</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-028.00-420	28.00 <i>1.102</i>	26.39 - 26.60	1.44 - 1.50	1.60 <i>0.063</i>	2.10 <i>0.083</i>	25.48 - 26.11	36.00 <i>1.417</i>	37.90 <i>1.492</i>	2.00 <i>0.079</i>	Stainless Steel
CCEX-028.00-CS	28.00 <i>1.102</i>	26.60 <i>1.047</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	25.90 <i>1.020</i>	37.90 <i>1.492</i>	36.00 <i>1.417</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-028.00-CS-PK10	28.00 <i>1.102</i>	26.60 <i>1.047</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	25.90 <i>1.020</i>	37.90 <i>1.492</i>	36.00 <i>1.417</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-028.00H-CS-PK10	28.00 <i>1.102</i>	26.60 <i>1.047</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.10 <i>0.083</i>	25.90 <i>1.020</i>	41.50 <i>1.634</i>	39.60 <i>1.559</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-028.00H-CS	28.00 <i>1.102</i>	26.60 <i>1.047</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.10 <i>0.083</i>	25.90 <i>1.020</i>	41.50 <i>1.634</i>	39.60 <i>1.559</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-028.58-CS-PK10	28.58 <i>1.125</i>	26.90 <i>1.059</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.67 <i>0.105</i>	26.44 <i>1.041</i>	39.37 <i>1.550</i>	37.85 <i>1.490</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-028.58-CS	28.58 <i>1.125</i>	26.90 <i>1.059</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.67 <i>0.105</i>	26.44 <i>1.041</i>	39.37 <i>1.550</i>	37.85 <i>1.490</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-028.58-420	28.58 <i>1.125</i>	26.90 <i>1.059</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		26.44 <i>1.041</i>		39.37 <i>1.550</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-028.58-420-PK10	28.58 <i>1.125</i>	26.90 <i>1.059</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		26.44 <i>1.041</i>		39.37 <i>1.550</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-028.58H-CS	28.58 <i>1.125</i>	26.90 <i>1.059</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.52 <i>0.099</i>	26.31 <i>1.036</i>	40.13 <i>1.580</i>	38.61 <i>1.520</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-028.58H-CS-PK10	28.58 <i>1.125</i>	26.90 <i>1.059</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.52 <i>0.099</i>	26.31 <i>1.036</i>	40.13 <i>1.580</i>	38.61 <i>1.520</i>	2.31 <i>0.091</i>	Carbon Spring Steel
CCEX-029.00-CS	29.00 <i>1.142</i>	27.60 <i>1.087</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	26.90 <i>1.059</i>	39.20 <i>1.543</i>	37.20 <i>1.465</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-029.00-CS-PK10	29.00 <i>1.142</i>	27.60 <i>1.087</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	26.90 <i>1.059</i>	39.20 <i>1.543</i>	37.20 <i>1.465</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-029.00H-CS	29.00 <i>1.142</i>	27.60 <i>1.087</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.10 <i>0.083</i>	26.90 <i>1.059</i>	42.50 <i>1.673</i>	40.60 <i>1.598</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-029.00H-CS-PK10	29.00 <i>1.142</i>	27.60 <i>1.087</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.10 <i>0.083</i>	26.90 <i>1.059</i>	42.50 <i>1.673</i>	40.60 <i>1.598</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-030.00-EHD-CS	30.00 <i>1.181</i>	28.22 <i>1.111</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.67 <i>0.105</i>	27.61 <i>1.087</i>	41.66 <i>1.640</i>	39.88 <i>1.570</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-030.00-EHD-CS-PK10	30.00 <i>1.181</i>	28.22 <i>1.111</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.67 <i>0.105</i>	27.61 <i>1.087</i>	41.66 <i>1.640</i>	39.88 <i>1.570</i>	2.31 <i>0.091</i>	Carbon Spring Steel
CCEX-030.00-420	30.00 <i>1.181</i>	28.60 <i>1.126</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	27.90 <i>1.098</i>	38.60 <i>1.520</i>	40.50 <i>1.594</i>	2.00 <i>0.079</i>	420 Stainless Steel
# CCEX-030.00-420-PK10	30.00 <i>1.181</i>	28.60 <i>1.126</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	27.90 <i>1.098</i>	38.60 <i>1.520</i>	40.50 <i>1.594</i>	2.00 <i>0.079</i>	420 Stainless Steel
CCEX-030.00-CS	30.00 <i>1.181</i>	28.60 <i>1.126</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	27.90 <i>1.098</i>	40.50 <i>1.594</i>	38.60 <i>1.520</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-030.00-CS-PK10	30.00 <i>1.181</i>	28.60 <i>1.126</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.10 <i>0.083</i>	27.90 <i>1.098</i>	40.50 <i>1.594</i>	38.60 <i>1.520</i>	2.00 <i>0.079</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-030.00H-CS-PK10	30.00 <i>1.181</i>	28.60 <i>1.126</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.10 <i>0.083</i>	27.90 <i>1.098</i>	43.50 <i>1.713</i>	41.60 <i>1.638</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-030.00H-CS	30.00 <i>1.181</i>	28.60 <i>1.126</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.10 <i>0.083</i>	27.90 <i>1.098</i>	43.50 <i>1.713</i>	41.60 <i>1.638</i>	2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-030.16-420	30.16 <i>1.187</i>	28.40 <i>1.118</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		27.89 <i>1.098</i>		40.89 <i>1.610</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-030.16-420-PK10	30.16 <i>1.187</i>	28.40 <i>1.118</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		27.89 <i>1.098</i>		40.89 <i>1.610</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-030.16-CS	30.16 <i>1.187</i>	28.40 <i>1.118</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.82 <i>0.111</i>	27.89 <i>1.098</i>	40.89 <i>1.610</i>	39.12 <i>1.540</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-030.16-CS-PK10	30.16 <i>1.187</i>	28.40 <i>1.118</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.82 <i>0.111</i>	27.89 <i>1.098</i>	40.89 <i>1.610</i>	39.12 <i>1.540</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-031.00-CS	31.00 <i>1.220</i>	29.09 - 29.30	1.44 - 1.50	1.60 <i>0.063</i>		28.18 - 28.81			2.00 <i>0.079</i>	Carbon Spring Steel
# CCEX-031.75H-CS-PK10	31.75 <i>1.250</i>	29.82 <i>1.174</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.90 <i>0.114</i>	29.21 <i>1.150</i>	43.18 <i>1.700</i>	41.40 <i>1.630</i>	2.31 <i>0.091</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-031.75H-CS	31.75 <i>1.250</i>	29.82 <i>1.174</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.90 <i>0.114</i>	29.21 <i>1.150</i>	43.18 <i>1.700</i>	41.40 <i>1.630</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-031.75-420-PK10	31.75 <i>1.250</i>	29.87 <i>1.176</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		29.36 <i>1.156</i>		42.93 <i>1.690</i>	2.31 <i>0.091</i>	420 Stainless Steel
CCEX-031.75-CS	31.75 <i>1.250</i>	29.87 <i>1.176</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.97 <i>0.117</i>	29.36 <i>1.156</i>	42.93 <i>1.690</i>	41.15 <i>1.620</i>	1.93 <i>0.076</i>	Carbon Spring Steel
CCEX-031.75-420	31.75 <i>1.250</i>	29.87 <i>1.176</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		29.36 <i>1.156</i>		42.93 <i>1.690</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-031.75-CS-PK10	31.75 <i>1.250</i>	29.87 <i>1.176</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	2.97 <i>0.117</i>	29.36 <i>1.156</i>	42.93 <i>1.690</i>	41.15 <i>1.620</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-032.00-420	32.00 <i>1.260</i>	30.05 - 30.30	1.44 - 1.50	1.60 <i>0.063</i>	2.60 <i>0.102</i>	29.18 - 29.81	40.70 <i>1.602</i>	43.00 <i>1.693</i>	2.50 <i>0.098</i>	Stainless Steel
CCEX-032.00-CS	32.00 <i>1.260</i>	30.30 <i>1.193</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.60 <i>0.102</i>	29.60 <i>1.165</i>	43.00 <i>1.693</i>	40.70 <i>1.602</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-032.00-CS-PK10	32.00 <i>1.260</i>	30.30 <i>1.193</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.60 <i>0.102</i>	29.60 <i>1.165</i>	43.00 <i>1.693</i>	40.70 <i>1.602</i>	2.50 <i>0.098</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-032.00H-CS	32.00 <i>1.260</i>	30.30 <i>1.193</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.60 <i>0.102</i>	29.60 <i>1.165</i>	45.50 <i>1.791</i>	43.30 <i>1.705</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-032.00H-CS-PK10	32.00 <i>1.260</i>	30.30 <i>1.193</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.60 <i>0.102</i>	29.60 <i>1.165</i>	45.50 <i>1.791</i>	43.30 <i>1.705</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-033.00-CS	33.00 <i>1.299</i>	31.30 <i>1.232</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.60 <i>0.102</i>	30.50 <i>1.201</i>	44.00 <i>1.732</i>	41.70 <i>1.642</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-033.00-CS-PK10	33.00 <i>1.299</i>	31.30 <i>1.232</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.60 <i>0.102</i>	30.50 <i>1.201</i>	44.00 <i>1.732</i>	41.70 <i>1.642</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-033.00H-CS	33.00 <i>1.299</i>	31.30 <i>1.232</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.50 <i>0.098</i>	30.50 <i>1.201</i>	46.90 <i>1.846</i>	44.70 <i>1.760</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-033.00H-CS-PK10	33.00 <i>1.299</i>	31.30 <i>1.232</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	2.50 <i>0.098</i>	30.50 <i>1.201</i>	46.90 <i>1.846</i>	44.70 <i>1.760</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-033.32-CS	33.33 <i>1.312</i>	31.29 <i>1.232</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.20 <i>0.126</i>	30.84 <i>1.214</i>	44.45 <i>1.750</i>	42.42 <i>1.670</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-033.32-CS-PK10	33.33 <i>1.312</i>	31.29 <i>1.232</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.20 <i>0.126</i>	30.84 <i>1.214</i>	44.45 <i>1.750</i>	42.42 <i>1.670</i>	1.93 <i>0.076</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-033.32-420-PK10	33.33 <i>1.312</i>	31.29 <i>1.232</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		30.84 <i>1.214</i>		44.45 <i>1.750</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-033.32-420	33.33 <i>1.312</i>	31.29 <i>1.232</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		30.84 <i>1.214</i>		44.45 <i>1.750</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-033.32H-CS-PK10	33.33 <i>1.312</i>	31.34 <i>1.234</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.97 <i>0.117</i>	30.68 <i>1.208</i>	44.96 <i>1.770</i>	42.93 <i>1.690</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-033.32H-CS	33.33 <i>1.312</i>	31.34 <i>1.234</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	2.97 <i>0.117</i>	30.68 <i>1.208</i>	44.96 <i>1.770</i>	42.93 <i>1.690</i>	2.31 <i>0.091</i>	Carbon Spring Steel
CCEX-034.00-CS	34.00 <i>1.339</i>	32.30 <i>1.272</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.60 <i>0.102</i>	31.50 <i>1.240</i>	45.40 <i>1.787</i>	43.10 <i>1.697</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-034.00-CS-PK10	34.00 <i>1.339</i>	32.30 <i>1.272</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	2.60 <i>0.102</i>	31.50 <i>1.240</i>	45.40 <i>1.787</i>	43.10 <i>1.697</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-034.00H-CS	34.00 <i>1.339</i>	32.30 <i>1.272</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	2.60 <i>0.102</i>	31.50 <i>1.240</i>	47.90 <i>1.886</i>	45.70 <i>1.799</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-034.00H-CS-PK10	34.00 <i>1.339</i>	32.30 <i>1.272</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	2.60 <i>0.102</i>	31.50 <i>1.240</i>	47.90 <i>1.886</i>	45.70 <i>1.799</i>	2.50 <i>0.098</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-034.93-CS	34.93 <i>1.375</i>	32.79 <i>1.291</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.35 <i>0.132</i>	32.31 <i>1.272</i>	45.72 <i>1.800</i>	43.69 <i>1.720</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-034.93-420-PK10	34.93 <i>1.375</i>	32.79 <i>1.291</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		32.31 <i>1.272</i>		45.72 <i>1.800</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-034.93-420	34.93 <i>1.375</i>	32.79 <i>1.291</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		32.31 <i>1.272</i>		45.72 <i>1.800</i>	2.31 <i>0.091</i>	420 Stainless Steel
# CCEX-034.93-CS-PK10	34.93 <i>1.375</i>	32.79 <i>1.291</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.35 <i>0.132</i>	32.31 <i>1.272</i>	45.72 <i>1.800</i>	43.69 <i>1.720</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-034.93H-CS	34.93 <i>1.375</i>	32.79 <i>1.291</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	3.20 <i>0.126</i>	32.21 <i>1.268</i>	46.48 <i>1.830</i>	44.45 <i>1.750</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-034.93H-CS-PK10	34.93 <i>1.375</i>	32.79 <i>1.291</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	3.20 <i>0.126</i>	32.21 <i>1.268</i>	46.48 <i>1.830</i>	44.45 <i>1.750</i>	2.31 <i>0.091</i>	Carbon Spring Steel
# CCEX-035.00-420	35.00 <i>1.378</i>	32.75 - 33.00	1.44 - 1.50	1.60 <i>0.063</i>	3.00 <i>0.118</i>	31.70 - 32.45	44.20 <i>1.740</i>	46.80 <i>1.843</i>	2.50 <i>0.098</i>	Stainless Steel
CCEX-035.00-CS	35.00 <i>1.378</i>	33.00 <i>1.299</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	3.00 <i>0.118</i>	32.20 <i>1.268</i>	46.80 <i>1.843</i>	44.20 <i>1.740</i>	2.50 <i>0.098</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-035.00-CS-PK10	35.00 <i>1.378</i>	33.00 <i>1.299</i>	1.50 <i>0.059</i>	1.60 <i>0.063</i>	3.00 <i>0.118</i>	32.20 <i>1.268</i>	46.80 <i>1.843</i>	44.20 <i>1.740</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-035.00H-CS	35.00 <i>1.378</i>	33.00 <i>1.299</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.00 <i>0.118</i>	32.20 <i>1.268</i>	48.90 <i>1.925</i>	46.40 <i>1.827</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-035.00H-CS-PK10	35.00 <i>1.378</i>	33.00 <i>1.299</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.00 <i>0.118</i>	32.20 <i>1.268</i>	48.90 <i>1.925</i>	46.40 <i>1.827</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-036.00H-CS	36.00 <i>1.417</i>	33.80 <i>1.331</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.30 <i>0.130</i>	33.00 <i>1.299</i>	49.90 <i>1.965</i>	47.20 <i>1.858</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-036.00H-CS-PK10	36.00 <i>1.417</i>	33.80 <i>1.331</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.30 <i>0.130</i>	33.00 <i>1.299</i>	49.90 <i>1.965</i>	47.20 <i>1.858</i>	2.50 <i>0.098</i>	Carbon Spring Steel
CCEX-036.00-CS	36.00 <i>1.417</i>	34.00 <i>1.339</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.00 <i>0.118</i>	33.20 <i>1.307</i>	47.80 <i>1.882</i>	45.20 <i>1.780</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-036.00-CS-PK10	36.00 <i>1.417</i>	34.00 <i>1.339</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.00 <i>0.118</i>	33.20 <i>1.307</i>	47.80 <i>1.882</i>	45.20 <i>1.780</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-036.53-CS	36.53 <i>1.438</i>	34.29 <i>1.350</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.51 <i>0.138</i>	33.86 <i>1.333</i>	47.50 <i>1.870</i>	45.47 <i>1.790</i>	1.93 <i>0.076</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-036.53-CS-PK10	36.53 <i>1.438</i>	34.29 <i>1.350</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.51 <i>0.138</i>	33.86 <i>1.333</i>	47.50 <i>1.870</i>	45.47 <i>1.790</i>	1.93 <i>0.076</i>	Carbon Spring Steel
# CCEX-036.53-420-PK10	36.53 <i>1.438</i>	34.29 <i>1.350</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		33.86 <i>1.333</i>		47.50 <i>1.870</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-036.53-420	36.53 <i>1.438</i>	34.29 <i>1.350</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		33.86 <i>1.333</i>		47.50 <i>1.870</i>	1.93 <i>0.076</i>	420 Stainless Steel
# CCEX-037.00-CS-PK10	37.00 <i>1.457</i>	35.00 <i>1.378</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.00 <i>0.118</i>	34.20 <i>1.346</i>	46.60 <i>1.835</i>	49.20 <i>1.937</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-037.00-CS	37.00 <i>1.457</i>	35.00 <i>1.378</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.00 <i>0.118</i>	34.20 <i>1.346</i>	46.60 <i>1.835</i>	49.20 <i>1.937</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-038.00-420	38.00 <i>1.496</i>	35.75 - 36.00	1.69 - 1.75	1.85 <i>0.073</i>	3.00 <i>0.118</i>	34.70 - 35.45	47.60 <i>1.874</i>	50.20 <i>1.976</i>	2.50 <i>0.098</i>	Stainless Steel
CCEX-038.00-CS	38.00 <i>1.496</i>	36.00 <i>1.417</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.00 <i>0.118</i>	35.20 <i>1.386</i>	50.20 <i>1.976</i>	47.60 <i>1.874</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-038.00-CS-PK10	38.00 <i>1.496</i>	36.00 <i>1.417</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.00 <i>0.118</i>	35.20 <i>1.386</i>	50.20 <i>1.976</i>	47.60 <i>1.874</i>	2.50 <i>0.098</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-038.00H-CS-PK10	38.00 <i>1.496</i>	36.00 <i>1.417</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.00 <i>0.118</i>	35.20 <i>1.386</i>	52.10 <i>2.051</i>	49.60 <i>1.953</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-038.00H-CS	38.00 <i>1.496</i>	36.00 <i>1.417</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.00 <i>0.118</i>	35.20 <i>1.386</i>	52.10 <i>2.051</i>	49.60 <i>1.953</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-038.10-CS-PK10	38.10 <i>1.500</i>	35.71 <i>1.406</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.73 <i>0.147</i>	35.23 <i>1.387</i>	50.55 <i>1.990</i>	48.26 <i>1.900</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-038.10-CS	38.10 <i>1.500</i>	35.71 <i>1.406</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>	3.73 <i>0.147</i>	35.23 <i>1.387</i>	50.55 <i>1.990</i>	48.26 <i>1.900</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-038.10-420	38.10 <i>1.500</i>	35.71 <i>1.406</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		35.23 <i>1.387</i>		50.55 <i>1.990</i>	2.72 <i>0.107</i>	420 Stainless Steel
# CCEX-038.10-420-PK10	38.10 <i>1.500</i>	35.71 <i>1.406</i>	1.27 <i>0.050</i>	1.42 <i>0.056</i>		35.23 <i>1.387</i>		50.55 <i>1.990</i>	2.72 <i>0.107</i>	420 Stainless Steel
# CCEX-038.10H-CS	38.10 <i>1.500</i>	35.71 <i>1.406</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	3.58 <i>0.141</i>	35.05 <i>1.380</i>	49.28 <i>1.940</i>	46.74 <i>1.840</i>	2.72 <i>0.107</i>	Carbon Spring Steel
# CCEX-038.10H-CS-PK10	38.10 <i>1.500</i>	35.71 <i>1.406</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	3.58 <i>0.141</i>	35.05 <i>1.380</i>	49.28 <i>1.940</i>	46.74 <i>1.840</i>	2.72 <i>0.107</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-039.00-CS	39.00 <i>1.535</i>	36.75 - 37.00	1.69 - 1.75	1.85 <i>0.073</i>		35.50 - 36.25			2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-039.67-CS-PK10	39.68 <i>1.562</i>	37.29 <i>1.468</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.76 <i>0.148</i>	36.73 <i>1.446</i>	49.53 <i>1.950</i>	46.99 <i>1.850</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-039.67-CS	39.68 <i>1.562</i>	37.29 <i>1.468</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.76 <i>0.148</i>	36.73 <i>1.446</i>	49.53 <i>1.950</i>	46.99 <i>1.850</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-039.67-420-PK10	39.68 <i>1.562</i>	37.29 <i>1.468</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>		36.73 <i>1.446</i>		53.34 <i>2.100</i>	2.49 <i>0.098</i>	420 Stainless Steel
# CCEX-039.67-420	39.68 <i>1.562</i>	37.29 <i>1.468</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>		36.73 <i>1.446</i>		53.34 <i>2.100</i>	2.49 <i>0.098</i>	420 Stainless Steel
# CCEX-039.67H-CS	39.68 <i>1.562</i>	37.29 <i>1.468</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	3.58 <i>0.141</i>	36.50 <i>1.437</i>	50.80 <i>2.000</i>	48.26 <i>1.900</i>	2.49 <i>0.098</i>	Carbon Spring Steel
# CCEX-039.67H-CS-PK10	39.68 <i>1.562</i>	37.29 <i>1.468</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	3.58 <i>0.141</i>	36.50 <i>1.437</i>	50.80 <i>2.000</i>	48.26 <i>1.900</i>	2.49 <i>0.098</i>	Carbon Spring Steel
# CCEX-040.00-420	40.00 <i>1.575</i>	37.50 <i>1.476</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	36.50 <i>1.437</i>	49.50 <i>1.949</i>	52.60 <i>2.071</i>	2.50 <i>0.098</i>	420 Stainless Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-040.00-420-PK10	40.00 <i>1.575</i>	37.50 <i>1.476</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	36.50 <i>1.437</i>	49.50 <i>1.949</i>	52.60 <i>2.071</i>	2.50 <i>0.098</i>	420 Stainless Steel
CCEX-040.00-CS	40.00 <i>1.575</i>	37.50 <i>1.476</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	36.50 <i>1.437</i>	52.60 <i>2.071</i>	49.50 <i>1.949</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-040.00-CS-PK10	40.00 <i>1.575</i>	37.50 <i>1.476</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	36.50 <i>1.437</i>	52.60 <i>2.071</i>	49.50 <i>1.949</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-040.00H-CS	40.00 <i>1.575</i>	37.50 <i>1.476</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	36.50 <i>1.437</i>	55.00 <i>2.165</i>	51.50 <i>2.028</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-040.00H-CS-PK10	40.00 <i>1.575</i>	37.50 <i>1.476</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	36.50 <i>1.437</i>	55.00 <i>2.165</i>	51.50 <i>2.028</i>	2.50 <i>0.098</i>	Carbon Spring Steel
CCEX-041.00-CS	41.00 <i>1.614</i>	38.50 <i>1.516</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	37.50 <i>1.476</i>	50.50 <i>1.988</i>	53.70 <i>2.114</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-041.00-CS-PK10	41.00 <i>1.614</i>	38.50 <i>1.516</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	37.50 <i>1.476</i>	50.50 <i>1.988</i>	53.70 <i>2.114</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-041.28-CS	41.28 <i>1.625</i>	38.84 <i>1.529</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.84 <i>0.151</i>	38.18 <i>1.503</i>	55.12 <i>2.170</i>	52.83 <i>2.080</i>	2.54 <i>0.100</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-041.28-CS-PK10	41.28 <i>1.625</i>	38.84 <i>1.529</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.84 <i>0.151</i>	38.18 <i>1.503</i>	55.12 <i>2.170</i>	52.83 <i>2.080</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-041.28-420-PK10	41.28 <i>1.625</i>	38.84 <i>1.529</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>		38.18 <i>1.503</i>		55.12 <i>2.170</i>	2.54 <i>0.100</i>	420 Stainless Steel
# CCEX-041.28-420	41.28 <i>1.625</i>	38.84 <i>1.529</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>		38.18 <i>1.503</i>		55.12 <i>2.170</i>	2.54 <i>0.100</i>	420 Stainless Steel
# CCEX-042.00-420	42.00 <i>1.654</i>	39.25 - 39.50	1.69 - 1.75	1.85 <i>0.073</i>	3.80 <i>0.150</i>	37.60 - 38.89	52.50 <i>2.067</i>	55.70 <i>2.193</i>	2.50 <i>0.098</i>	Stainless Steel
CCEX-042.00-CS	42.00 <i>1.654</i>	39.50 <i>1.555</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	38.50 <i>1.516</i>	55.70 <i>2.193</i>	52.50 <i>2.067</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-042.00-CS-PK10	42.00 <i>1.654</i>	39.50 <i>1.555</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	38.50 <i>1.516</i>	55.70 <i>2.193</i>	52.50 <i>2.067</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-042.00H-CS	42.00 <i>1.654</i>	39.50 <i>1.555</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	38.50 <i>1.516</i>	57.40 <i>2.260</i>	53.90 <i>2.122</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-042.00H-CS-PK10	42.00 <i>1.654</i>	39.50 <i>1.555</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	38.50 <i>1.516</i>	57.40 <i>2.260</i>	53.90 <i>2.122</i>	2.50 <i>0.098</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-042.88-CS	42.88 <i>1.688</i>	40.36 <i>1.589</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.96 <i>0.156</i>	39.62 <i>1.560</i>	51.82 <i>2.040</i>	49.53 <i>1.950</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-042.88-CS-PK10	42.88 <i>1.688</i>	40.36 <i>1.589</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.96 <i>0.156</i>	39.62 <i>1.560</i>	51.82 <i>2.040</i>	49.53 <i>1.950</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-044.00-CS-PK10	44.00 <i>1.732</i>	41.50 <i>1.634</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	40.50 <i>1.594</i>	54.90 <i>2.161</i>	58.10 <i>2.287</i>	2.50 <i>0.098</i>	Carbon Spring Steel
CCEX-044.00-CS	44.00 <i>1.732</i>	41.50 <i>1.634</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	40.50 <i>1.594</i>	54.90 <i>2.161</i>	58.10 <i>2.287</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-044.45-CS	44.45 <i>1.750</i>	41.91 <i>1.650</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.99 <i>0.157</i>	41.10 <i>1.618</i>	53.59 <i>2.110</i>	51.05 <i>2.010</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-044.45-CS-PK10	44.45 <i>1.750</i>	41.91 <i>1.650</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	3.99 <i>0.157</i>	41.10 <i>1.618</i>	53.59 <i>2.110</i>	51.05 <i>2.010</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-044.45H-CS	44.45 <i>1.750</i>	41.91 <i>1.650</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	3.81 <i>0.150</i>	40.84 <i>1.608</i>	55.37 <i>2.180</i>	52.83 <i>2.080</i>	2.49 <i>0.098</i>	Carbon Spring Steel
# CCEX-044.45H-CS-PK10	44.45 <i>1.750</i>	41.91 <i>1.650</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	3.81 <i>0.150</i>	40.84 <i>1.608</i>	55.37 <i>2.180</i>	52.83 <i>2.080</i>	2.49 <i>0.098</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-045.00-CS	45.00 <i>1.772</i>	42.50 <i>1.673</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	41.50 <i>1.634</i>	59.10 <i>2.327</i>	55.90 <i>2.201</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-045.00-CS-PK10	45.00 <i>1.772</i>	42.50 <i>1.673</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	41.50 <i>1.634</i>	59.10 <i>2.327</i>	55.90 <i>2.201</i>	2.50 <i>0.098</i>	Carbon Spring Steel
CCEX-045.00-420	45.00 <i>1.772</i>	42.50 <i>1.673</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	41.50 <i>1.634</i>	55.90 <i>2.201</i>	59.10 <i>2.327</i>	2.50 <i>0.098</i>	420 Stainless Steel
# CCEX-045.00H-CS	45.00 <i>1.772</i>	42.50 <i>1.673</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	41.50 <i>1.634</i>	61.00 <i>2.402</i>	57.50 <i>2.264</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-045.00H-CS-PK10	45.00 <i>1.772</i>	42.50 <i>1.673</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	41.50 <i>1.634</i>	61.00 <i>2.402</i>	57.50 <i>2.264</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-045.01-CS	45.01 <i>1.772</i>	42.39 <i>1.669</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	4.12 <i>0.162</i>	41.10 <i>1.618</i>	55.63 <i>2.190</i>	53.09 <i>2.090</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-045.01-CS-PK10	45.01 <i>1.772</i>	42.39 <i>1.669</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	4.12 <i>0.162</i>	41.10 <i>1.618</i>	55.63 <i>2.190</i>	53.09 <i>2.090</i>	2.54 <i>0.100</i>	Carbon Spring Steel
# CCEX-046.00-CS	46.00 <i>1.811</i>	43.50 <i>1.713</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	42.50 <i>1.673</i>	60.10 <i>2.366</i>	56.90 <i>2.240</i>	2.50 <i>0.098</i>	Carbon Spring Steel

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	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
# CCEX-046.00-CS-PK10	46.00	43.50	1.75	1.85	3.80	42.50	60.10	56.90	2.50	Carbon Spring Steel
	<i>1.811</i>	<i>1.713</i>	<i>0.069</i>	<i>0.073</i>	<i>0.150</i>	<i>1.673</i>	<i>2.366</i>	<i>2.240</i>	<i>0.098</i>	
# CCEX-046.02-CS	46.03	43.38	1.58	1.73	4.14	42.55	56.64	54.10	2.54	Carbon Spring Steel
	<i>1.812</i>	<i>1.708</i>	<i>0.062</i>	<i>0.068</i>	<i>0.163</i>	<i>1.675</i>	<i>2.230</i>	<i>2.130</i>	<i>0.100</i>	
# CCEX-046.02-CS-PK10	46.03	43.38	1.58	1.73	4.14	42.55	56.64	54.10	2.54	Carbon Spring Steel
	<i>1.812</i>	<i>1.708</i>	<i>0.062</i>	<i>0.068</i>	<i>0.163</i>	<i>1.675</i>	<i>2.230</i>	<i>2.130</i>	<i>0.100</i>	
CCEX-047.00-CS	47.00	44.50	1.75	1.85	3.80	43.50	61.30	58.10	2.50	Carbon Spring Steel
	<i>1.850</i>	<i>1.752</i>	<i>0.069</i>	<i>0.073</i>	<i>0.150</i>	<i>1.713</i>	<i>2.413</i>	<i>2.287</i>	<i>0.098</i>	
# CCEX-047.00-CS-PK10	47.00	44.50	1.75	1.85	3.80	43.50	61.30	58.10	2.50	Carbon Spring Steel
	<i>1.850</i>	<i>1.752</i>	<i>0.069</i>	<i>0.073</i>	<i>0.150</i>	<i>1.713</i>	<i>2.413</i>	<i>2.287</i>	<i>0.098</i>	
# CCEX-047.63-CS	47.63	44.93	1.58	1.73	4.22	44.07	58.17	55.63	2.54	Carbon Spring Steel
	<i>1.875</i>	<i>1.769</i>	<i>0.062</i>	<i>0.068</i>	<i>0.166</i>	<i>1.735</i>	<i>2.290</i>	<i>2.190</i>	<i>0.100</i>	
# CCEX-047.63-CS-PK10	47.63	44.93	1.58	1.73	4.22	44.07	58.17	55.63	2.54	Carbon Spring Steel
	<i>1.875</i>	<i>1.769</i>	<i>0.062</i>	<i>0.068</i>	<i>0.166</i>	<i>1.735</i>	<i>2.290</i>	<i>2.190</i>	<i>0.100</i>	
# CCEX-048.00-CS-PK10	48.00	45.50	1.75	1.85	3.80	44.50	62.50	59.30	2.50	Carbon Spring Steel
	<i>1.890</i>	<i>1.791</i>	<i>0.069</i>	<i>0.073</i>	<i>0.150</i>	<i>1.752</i>	<i>2.461</i>	<i>2.335</i>	<i>0.098</i>	

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CCEX-048.00-CS	48.00 <i>1.890</i>	45.50 <i>1.791</i>	1.75 <i>0.069</i>	1.85 <i>0.073</i>	3.80 <i>0.150</i>	44.50 <i>1.752</i>	62.50 <i>2.461</i>	59.30 <i>2.335</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-048.00H-CS-PK10	48.00 <i>1.890</i>	45.50 <i>1.791</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	44.50 <i>1.752</i>	64.60 <i>2.543</i>	61.10 <i>2.406</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-048.00H-CS	48.00 <i>1.890</i>	45.50 <i>1.791</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	3.80 <i>0.150</i>	44.50 <i>1.752</i>	64.60 <i>2.543</i>	61.10 <i>2.406</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-049.23-CS	49.23 <i>1.938</i>	46.38 <i>1.826</i>	3.18 <i>0.125</i>	3.53 <i>0.139</i>	4.52 <i>0.178</i>	45.26 <i>1.782</i>	62.74 <i>2.470</i>	59.94 <i>2.360</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-049.23-CS-PK10	49.23 <i>1.938</i>	46.38 <i>1.826</i>	3.18 <i>0.125</i>	3.53 <i>0.139</i>	4.52 <i>0.178</i>	45.26 <i>1.782</i>	62.74 <i>2.470</i>	59.94 <i>2.360</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-049.99-CS	49.99 <i>1.968</i>	47.17 <i>1.857</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	4.42 <i>0.174</i>	46.20 <i>1.819</i>	60.71 <i>2.390</i>	57.66 <i>2.270</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-049.99-CS-PK10	49.99 <i>1.968</i>	47.17 <i>1.857</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	4.42 <i>0.174</i>	46.20 <i>1.819</i>	60.71 <i>2.390</i>	57.66 <i>2.270</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-050.00-420	50.00 <i>1.969</i>	46.75 - 47.00	1.93 - 2.00	2.15 <i>0.085</i>	4.50 <i>0.177</i>	44.90 - 46.19	60.80 <i>2.394</i>	64.50 <i>2.539</i>	2.50 <i>0.098</i>	Stainless Steel

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CCEX-050.00-CS	50.00 <i>1.969</i>	47.00 <i>1.850</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	45.80 <i>1.803</i>	64.50 <i>2.539</i>	60.80 <i>2.394</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-050.00H-CS	50.00 <i>1.969</i>	47.00 <i>1.850</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	4.50 <i>0.177</i>	45.80 <i>1.803</i>	67.00 <i>2.638</i>	63.00 <i>2.480</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-050.80H-CS	50.80 <i>2.000</i>	47.75 <i>1.880</i>	3.18 <i>0.125</i>	3.53 <i>0.139</i>	4.57 <i>0.180</i>	46.74 <i>1.840</i>	64.26 <i>2.530</i>	61.21 <i>2.410</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-050.80-CS	50.80 <i>2.000</i>	47.90 <i>1.886</i>	1.58 <i>0.062</i>	1.73 <i>0.068</i>	4.52 <i>0.178</i>	46.99 <i>1.850</i>	62.99 <i>2.480</i>	59.94 <i>2.360</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-052.00-CS	52.00 <i>2.047</i>	49.00 <i>1.929</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	47.80 <i>1.882</i>	66.70 <i>2.626</i>	63.00 <i>2.480</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-052.00H-CS	52.00 <i>2.047</i>	49.00 <i>1.929</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	4.50 <i>0.177</i>	47.80 <i>1.882</i>	69.40 <i>2.732</i>	65.40 <i>2.575</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-052.37-CS	52.38 <i>2.062</i>	49.43 <i>1.946</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	4.65 <i>0.183</i>	48.41 <i>1.906</i>	64.01 <i>2.520</i>	60.96 <i>2.400</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-053.98-CS	53.98 <i>2.125</i>	50.88 <i>2.003</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	4.88 <i>0.192</i>	49.89 <i>1.964</i>	66.29 <i>2.610</i>	62.99 <i>2.480</i>	3.12 <i>0.123</i>	Carbon Spring Steel

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CCEX-054.00-CS	54.00 <i>2.126</i>	51.00 <i>2.008</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	49.80 <i>1.961</i>	69.00 <i>2.717</i>	65.20 <i>2.567</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-054.76-CS	54.76 <i>2.156</i>	51.61 <i>2.032</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	4.95 <i>0.195</i>	50.62 <i>1.993</i>	66.55 <i>2.620</i>	63.25 <i>2.490</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-055.00-420	55.00 <i>2.165</i>	51.75 - 52.00	1.93 - 2.00	2.15 <i>0.085</i>	4.50 <i>0.177</i>	49.90 - 51.19	66.40 <i>2.614</i>	70.20 <i>2.764</i>	2.50 <i>0.098</i>	Stainless Steel
CCEX-055.00-CS	55.00 <i>2.165</i>	52.00 <i>2.047</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	50.80 <i>2.000</i>	70.20 <i>2.764</i>	66.40 <i>2.614</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-055.00H-CS	55.00 <i>2.165</i>	52.00 <i>2.047</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	4.50 <i>0.177</i>	50.80 <i>2.000</i>	73.00 <i>2.874</i>	69.00 <i>2.717</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-056.00-CS	56.00 <i>2.205</i>	53.00 <i>2.087</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	51.80 <i>2.039</i>	71.60 <i>2.819</i>	67.60 <i>2.661</i>	2.50 <i>0.098</i>	Carbon Spring Steel
CCEX-057.00-CS	57.00 <i>2.244</i>	54.00 <i>2.126</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	52.80 <i>2.079</i>	68.60 <i>2.701</i>	72.60 <i>2.858</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-064.69-CS	57.15 <i>2.250</i>	53.70 - 54.00	1.91 - 1.98	2.18 <i>0.086</i>	5.56 <i>0.219</i>	52.22 - 53.24	74.68 <i>2.940</i>	78.49 <i>3.090</i>	3.12 <i>0.123</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-057.15-CS	57.15 <i>2.250</i>	53.85 <i>2.120</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.18 <i>0.204</i>	52.86 <i>2.081</i>	72.90 <i>2.870</i>	69.60 <i>2.740</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-058.00-CS	58.00 <i>2.283</i>	55.00 <i>2.165</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	53.80 <i>2.118</i>	73.60 <i>2.898</i>	69.60 <i>2.740</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-058.00H-CS	58.00 <i>2.283</i>	55.00 <i>2.165</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	4.50 <i>0.177</i>	53.80 <i>2.118</i>	76.60 <i>3.016</i>	72.60 <i>2.858</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-058.72-CS	58.73 <i>2.312</i>	55.32 <i>2.178</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.33 <i>0.210</i>	54.33 <i>2.139</i>	74.68 <i>2.940</i>	71.37 <i>2.810</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-060.00-420	60.00 <i>2.362</i>	56.70 - 57.00	1.93 - 2.00	2.15 <i>0.085</i>	4.50 <i>0.177</i>	54.70 - 56.26	71.80 <i>2.827</i>	75.60 <i>2.976</i>	2.50 <i>0.098</i>	Stainless Steel
CCEX-060.00-CS	60.00 <i>2.362</i>	57.00 <i>2.244</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	55.80 <i>2.197</i>	75.60 <i>2.976</i>	71.80 <i>2.827</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-060.00H-CS	60.00 <i>2.362</i>	57.00 <i>2.244</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	4.50 <i>0.177</i>	55.80 <i>2.197</i>	79.00 <i>3.110</i>	75.00 <i>2.953</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-060.33-CS	60.33 <i>2.375</i>	56.87 <i>2.239</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.41 <i>0.213</i>	55.80 <i>2.197</i>	72.64 <i>2.860</i>	69.09 <i>2.720</i>	3.12 <i>0.123</i>	Carbon Spring Steel

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# CCEX-061.93-420	61.93 <i>2.438</i>	58.40 <i>2.299</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.51 <i>0.217</i>	57.28 <i>2.255</i>	74.17 <i>2.920</i>	70.61 <i>2.780</i>	3.12 <i>0.123</i>	420 Stainless Steel
CCEX-062.00-420	62.00 <i>2.441</i>	58.70 - 59.00	1.93 - 2.00	2.15 <i>0.085</i>	4.50 <i>0.177</i>	56.70 - 58.26	74.00 <i>2.913</i>	77.80 <i>3.063</i>	2.50 <i>0.098</i>	Stainless Steel
# CCEX-062.00-CS	62.00 <i>2.441</i>	59.00 <i>2.323</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	57.80 <i>2.276</i>	77.80 <i>3.063</i>	74.00 <i>2.913</i>	2.50 <i>0.098</i>	Carbon Spring Steel
CCEX-063.00-CS	63.00 <i>2.480</i>	60.00 <i>2.362</i>	2.00 <i>0.079</i>	2.15 <i>0.085</i>	4.50 <i>0.177</i>	58.80 <i>2.315</i>	79.00 <i>3.110</i>	75.20 <i>2.961</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-063.50-CS	63.50 <i>2.500</i>	59.94 <i>2.360</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.56 <i>0.219</i>	58.75 <i>2.313</i>	75.69 <i>2.980</i>	72.14 <i>2.840</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-064.00-CS	64.00 <i>2.520</i>	61.70 - 61.00	1.93 - 2.00	2.15 <i>0.085</i>	4.50 <i>0.177</i>	58.70 - 60.26	80.20 <i>3.157</i>	76.40 <i>3.008</i>	2.50 <i>0.098</i>	Carbon Spring Steel
# CCEX-065.00-LD-CS	65.00 <i>2.559</i>	61.44 <i>2.419</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.56 <i>0.219</i>	60.38 <i>2.377</i>	78.49 <i>3.090</i>	74.68 <i>2.940</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-065.00-420	65.00 <i>2.559</i>	61.70 - 62.00	2.43 - 2.50	2.65 <i>0.104</i>	4.50 <i>0.177</i>	59.70 - 61.26	77.60 <i>3.055</i>	81.40 <i>3.205</i>	3.00 <i>0.118</i>	Stainless Steel
CCEX-065.00-CS	65.00 <i>2.559</i>	62.00 <i>2.441</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	4.50 <i>0.177</i>	60.80 <i>2.394</i>	81.40 <i>3.205</i>	77.60 <i>3.055</i>	3.00 <i>0.118</i>	Carbon Spring Steel

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# CCEX-065.00H-CS	65.00 <i>2.559</i>	62.00 <i>2.441</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	4.50 <i>0.177</i>	60.80 <i>2.394</i>	84.60 <i>3.331</i>	80.60 <i>3.173</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-066.68-CS	66.68 <i>2.625</i>	63.02 <i>2.481</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.72 <i>0.225</i>	61.67 <i>2.428</i>	78.99 <i>3.110</i>	75.18 <i>2.960</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-067.00-CS	67.00 <i>2.638</i>	63.70 - 64.00	2.43 - 2.50	2.65 <i>0.104</i>	4.50 <i>0.177</i>	61.40 - 62.96	79.80 <i>3.142</i>	83.60 <i>3.291</i>	3.00 <i>0.118</i>	Carbon Spring Steel
CCEX-068.00-CS	68.00 <i>2.677</i>	65.00 <i>2.559</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	4.50 <i>0.177</i>	63.50 <i>2.500</i>	81.00 <i>3.189</i>	84.40 <i>3.323</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-068.28-CS	68.28 <i>2.688</i>	64.54 <i>2.541</i>	1.98 <i>0.078</i>	2.18 <i>0.086</i>	5.84 <i>0.230</i>	63.12 <i>2.485</i>	84.33 <i>3.320</i>	80.77 <i>3.180</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-069.85-CS	69.85 <i>2.750</i>	66.09 <i>2.602</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	5.87 <i>0.231</i>	64.59 <i>2.543</i>	84.58 <i>3.330</i>	80.77 <i>3.180</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-070.00-CS	70.00 <i>2.756</i>	67.00 <i>2.638</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	4.50 <i>0.177</i>	65.50 <i>2.579</i>	83.20 <i>3.276</i>	87.00 <i>3.425</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-070.00-420	70.00 <i>2.756</i>	67.00 <i>2.638</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	4.50 <i>0.177</i>	65.50 <i>2.579</i>	83.20 <i>3.276</i>	87.00 <i>3.425</i>	3.00 <i>0.118</i>	420 Stainless

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# CCEX-070.00H-CS	70.00 <i>2.756</i>	67.00 <i>2.638</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	4.50 <i>0.177</i>	65.50 <i>2.579</i>	90.00 <i>3.543</i>	86.00 <i>3.386</i>	3.00 <i>0.118</i>	Carbon Spring Steel
CCEX-072.00-CS	72.00 <i>2.835</i>	69.00 <i>2.717</i>	2.50 <i>0.098</i>	2.67 <i>0.105</i>	4.50 <i>0.177</i>	67.50 <i>2.657</i>	85.40 <i>3.362</i>	89.20 <i>3.512</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-073.03-CS	73.03 <i>2.875</i>	69.11 <i>2.721</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.10 <i>0.240</i>	67.54 <i>2.659</i>	86.87 <i>3.420</i>	82.80 <i>3.260</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-074.63-CS	74.63 <i>2.938</i>	70.59 <i>2.779</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.27 <i>0.247</i>	69.01 <i>2.717</i>	88.65 <i>3.490</i>	84.33 <i>3.320</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-075.00-420	75.00 <i>2.953</i>	72.00 <i>2.835</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	4.50 <i>0.177</i>	70.50 <i>2.776</i>	88.80 <i>3.496</i>	92.70 <i>3.650</i>	3.00 <i>0.118</i>	420 Stainless Steel
CCEX-075.00-CS	75.00 <i>2.953</i>	72.00 <i>2.835</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>		70.50 <i>2.776</i>		92.80 <i>3.654</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-075.00H-CS	75.00 <i>2.953</i>	72.00 <i>2.835</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	4.50 <i>0.177</i>	70.50 <i>2.776</i>	95.40 <i>3.756</i>	91.40 <i>3.598</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-076.20-CS	76.20 <i>3.000</i>	72.09 <i>2.838</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.40 <i>0.252</i>	70.49 <i>2.775</i>	90.17 <i>3.550</i>	85.85 <i>3.380</i>	3.12 <i>0.123</i>	Carbon Spring Steel

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# CCEX-077.00-CS	77.00 <i>3.031</i>	73.70 - 74.00	2.43 - 2.50	2.65 <i>0.104</i>	4.50 <i>0.177</i>	71.40 - 72.96	91.00 <i>3.583</i>	94.90 <i>3.736</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-077.77-CS	77.78 <i>3.062</i>	73.61 <i>2.898</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.48 <i>0.255</i>	71.93 <i>2.832</i>	91.69 <i>3.610</i>	87.38 <i>3.440</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-078.00-CS	78.00 <i>3.071</i>	74.70 - 75.00	2.43 - 2.50	2.65 <i>0.104</i>	4.50 <i>0.177</i>	72.40 - 73.96	92.20 <i>3.630</i>	96.10 <i>3.783</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-079.38-CS	79.38 <i>3.125</i>	75.11 <i>2.957</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.63 <i>0.261</i>	73.46 <i>2.892</i>	95.25 <i>3.750</i>	90.68 <i>3.570</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-080.00-CS	80.00 <i>3.150</i>	76.50 <i>3.012</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	5.30 <i>0.209</i>	74.50 <i>2.933</i>	93.70 <i>3.689</i>	98.10 <i>3.862</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-080.00H-CS	80.00 <i>3.150</i>	76.50 <i>3.012</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	5.30 <i>0.209</i>	74.50 <i>2.933</i>	100.60 <i>3.961</i>	96.10 <i>3.783</i>	3.00 <i>0.118</i>	Carbon Spring Steel
# CCEX-080.16-CS	80.16 <i>3.156</i>	75.84 <i>2.986</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.71 <i>0.264</i>	74.17 <i>2.920</i>	95.00 <i>3.740</i>	90.42 <i>3.560</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-082.00-CS	82.00 <i>3.228</i>	78.50 <i>3.091</i>	2.50 <i>0.098</i>	2.65 <i>0.104</i>	5.30 <i>0.209</i>	76.50 <i>3.012</i>	95.90 <i>3.776</i>	100.30 <i>3.949</i>	3.00 <i>0.118</i>	Carbon Spring Steel

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# CCEX-082.55-CS	82.55 <i>3.250</i>	78.13 <i>3.076</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	6.86 <i>0.270</i>	76.35 <i>3.006</i>	97.28 <i>3.830</i>	92.71 <i>3.650</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-084.99-CS	84.99 <i>3.346</i>	80.42 <i>3.166</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	7.09 <i>0.279</i>	78.54 <i>3.092</i>	99.82 <i>3.930</i>	95.00 <i>3.740</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-085.00-CS	85.00 <i>3.346</i>	81.50 <i>3.209</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	5.30 <i>0.209</i>	79.50 <i>3.130</i>	98.90 <i>3.894</i>	103.30 <i>4.067</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-085.00H-CS	85.00 <i>3.346</i>	81.50 <i>3.209</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	5.30 <i>0.209</i>	79.50 <i>3.130</i>	106.00 <i>4.173</i>	101.50 <i>3.996</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-087.00-CS	87.00 <i>3.425</i>	83.15 - 83.50	2.92 - 3.00	3.15 <i>0.124</i>		80.20 - 82.04			3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-087.33-CS	87.33 <i>3.438</i>	82.73 <i>3.257</i>	2.36 <i>0.093</i>	2.62 <i>0.103</i>	7.11 <i>0.280</i>	80.75 <i>3.179</i>	102.11 <i>4.020</i>	97.28 <i>3.830</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-088.00-CS	88.00 <i>3.465</i>	84.50 <i>3.327</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	5.30 <i>0.209</i>	82.50 <i>3.248</i>	102.00 <i>4.016</i>	106.50 <i>4.193</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-088.90-CS	88.90 <i>3.500</i>	84.23 <i>3.316</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	7.24 <i>0.285</i>	82.22 <i>3.237</i>	105.41 <i>4.150</i>	100.58 <i>3.960</i>	3.12 <i>0.123</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-089.99-CS	89.99 <i>3.543</i>	85.27 <i>3.357</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	7.32 <i>0.288</i>	83.24 <i>3.277</i>	106.68 <i>4.200</i>	101.60 <i>4.000</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-090.00-CS	90.00 <i>3.543</i>	86.50 <i>3.406</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>		84.50 <i>3.327</i>		108.50 <i>4.272</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-090.00H-CS	90.00 <i>3.543</i>	86.50 <i>3.406</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	5.30 <i>0.209</i>	84.50 <i>3.327</i>	111.40 <i>4.386</i>	106.90 <i>4.209</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-092.00-CS	92.00 <i>3.622</i>	88.15 - 88.50	2.92 - 3.00	3.15 <i>0.124</i>		85.20 - 87.04			3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-092.08-CS	92.08 <i>3.625</i>	87.25 <i>3.435</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	7.47 <i>0.294</i>	85.14 <i>3.352</i>	108.71 <i>4.280</i>	103.89 <i>4.090</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-093.68-CS	93.68 <i>3.688</i>	88.72 <i>3.493</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	7.65 <i>0.301</i>	86.61 <i>3.410</i>	109.47 <i>4.310</i>	104.39 <i>4.110</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-095.00-CS	95.00 <i>3.740</i>	91.50 <i>3.602</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	5.30 <i>0.209</i>	89.50 <i>3.524</i>	111.00 <i>4.370</i>	114.80 <i>4.520</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-095.00H-CS	95.00 <i>3.740</i>	91.50 <i>3.602</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	5.30 <i>0.209</i>	89.50 <i>3.524</i>	116.60 <i>4.591</i>	112.10 <i>4.413</i>	3.50 <i>0.138</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-095.25-CS	95.25 <i>3.750</i>	90.22 <i>3.552</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	7.77 <i>0.306</i>	88.09 <i>3.468</i>	112.78 <i>4.440</i>	107.44 <i>4.230</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-097.00-CS	97.00 <i>3.819</i>	93.15 - 93.50	2.92 - 3.00	3.15 <i>0.124</i>		90.20 - 92.04			3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-098.00-CS	98.00 <i>3.858</i>	94.15 - 94.50	2.92 - 3.00	3.15 <i>0.124</i>	5.30 <i>0.209</i>	90.20 - 92.04	114.00 <i>4.488</i>	118.60 <i>4.669</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-098.43-CS	98.43 <i>3.875</i>	93.29 <i>3.673</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	7.93 <i>0.312</i>	91.03 <i>3.584</i>	115.82 <i>4.560</i>	110.49 <i>4.350</i>	3.12 <i>0.123</i>	Carbon Spring Steel
CCEX-100.00-CS	100.00 <i>3.937</i>	96.50 <i>3.799</i>	3.00 <i>0.118</i>	3.15 <i>0.124</i>	5.30 <i>0.209</i>	94.50 <i>3.720</i>	116.00 <i>4.567</i>	120.20 <i>4.732</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-100.00H-CS	100.00 <i>3.937</i>	96.50 <i>3.799</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	5.30 <i>0.209</i>	94.50 <i>3.720</i>	122.00 <i>4.803</i>	117.50 <i>4.626</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-100.03-CS	100.03 <i>3.938</i>	94.84 <i>3.734</i>	2.77 <i>0.109</i>	3.05 <i>0.120</i>	8.00 <i>0.315</i>	92.51 <i>3.642</i>	116.84 <i>4.600</i>	111.51 <i>4.390</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-101.60-CS	101.60 <i>4.000</i>	96.16 - 96.47	2.69 - 2.77	3.05 <i>0.120</i>	8.15 <i>0.321</i>	93.22 - 94.49	114.30 <i>4.500</i>	199.89 <i>7.870</i>	3.12 <i>0.123</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-102.00-CS	102.00 <i>4.016</i>	97.46 - 98.00	3.90 - 4.00	4.15 <i>0.163</i>	6.00 <i>0.236</i>	93.70 - 95.54	118.00 <i>4.646</i>	122.40 <i>4.819</i>	3.50 <i>0.138</i>	Carbon Spring Steel
CCEX-105.00-CS	105.00 <i>4.134</i>	101.00 <i>3.976</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	6.00 <i>0.236</i>	98.00 <i>3.858</i>	122.00 <i>4.803</i>	126.20 <i>4.969</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-107.00-CS	107.00 <i>4.213</i>	102.46 - 103.00	3.90 - 4.00	4.15 <i>0.163</i>		98.70 - 100.54			3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-107.95-CS	107.95 <i>4.250</i>	103.10 - 103.40	2.69 - 2.77	3.05 <i>0.120</i>	7.29 <i>0.287</i>	100.56 - 101.83	119.89 <i>4.720</i>	124.71 <i>4.910</i>	3.12 <i>0.123</i>	Carbon Spring Steel
# CCEX-108.00-CS	108.00 <i>4.252</i>	103.46 - 104.00	3.90 - 4.00	4.15 <i>0.163</i>	6.00 <i>0.236</i>	98.70 - 100.54	124.00 <i>4.882</i>	129.00 <i>5.079</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-110.00-420	110.00 <i>4.331</i>	106.00 <i>4.173</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	6.00 <i>0.236</i>	103.00 <i>4.055</i>	127.00 <i>5.000</i>	131.20 <i>5.165</i>	3.50 <i>0.138</i>	420 Stainless Steel
CCEX-110.00-CS	110.00 <i>4.331</i>	106.00 <i>4.173</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	6.00 <i>0.236</i>	103.00 <i>4.055</i>	127.00 <i>5.000</i>	131.20 <i>5.165</i>	3.50 <i>0.138</i>	Carbon Spring Steel
# CCEX-111.00-CS	111.00 <i>4.370</i>	105.46 - 106.00	3.90 - 4.00	4.15 <i>0.163</i>	6.00 <i>0.236</i>	101.70 - 103.54	127.00 <i>5.000</i>	131.20 <i>5.165</i>	3.50 <i>0.138</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm	Groove Diameter (D) mm	Circlip Thickness (T) mm	Groove Width (W) mm	Min Extension (n) mm	Loose Circlip ID (A) mm	Assem. Clear. on Shaft (C1) mm	Assem. Clear. in Groove (C) mm	Min. Hole Diameter (h) mm	Material
	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
CCEX-115.00-CS	115.00	111.00	4.00	4.15	6.00	108.00	133.00	137.30	3.50	Carbon Spring Steel
	<i>4.528</i>	<i>4.370</i>	<i>0.157</i>	<i>0.163</i>	<i>0.236</i>	<i>4.252</i>	<i>5.236</i>	<i>5.406</i>	<i>0.138</i>	
CCEX-120.00-420	120.00	116.00	4.00	4.15	6.00	113.00	138.00	143.10	3.50	420 Stainless Steel
	<i>4.724</i>	<i>4.567</i>	<i>0.157</i>	<i>0.163</i>	<i>0.236</i>	<i>4.449</i>	<i>5.433</i>	<i>5.634</i>	<i>0.138</i>	
CCEX-120.00-CS	120.00	116.00	4.00	4.15	6.00	113.00	138.00	143.10	3.50	Carbon Spring Steel
	<i>4.724</i>	<i>4.567</i>	<i>0.157</i>	<i>0.163</i>	<i>0.236</i>	<i>4.449</i>	<i>5.433</i>	<i>5.634</i>	<i>0.138</i>	
# CCEX-120.00H-CS	120.00	116.00	4.00	4.15		113.00		143.10	3.50	Carbon Spring Steel
	<i>4.724</i>	<i>4.567</i>	<i>0.157</i>	<i>0.163</i>		<i>4.449</i>		<i>5.634</i>	<i>0.138</i>	
# CCEX-120.65-CS	120.65	109.32 - 109.63	2.69 - 2.77	3.05	7.85	112.47 - 113.74	133.60	138.94	3.12	Carbon Spring Steel
	<i>4.750</i>			<i>0.120</i>	<i>0.309</i>		<i>5.260</i>	<i>5.470</i>	<i>0.123</i>	
CCEX-125.00-CS	125.00	121.00	4.00	4.15	6.00	118.00	144.00	149.00	4.00	Carbon Spring Steel
	<i>4.921</i>	<i>4.764</i>	<i>0.157</i>	<i>0.163</i>	<i>0.236</i>	<i>4.646</i>	<i>5.669</i>	<i>5.866</i>	<i>0.157</i>	
# CCEX-127.00-CS	127.00	122.37 - 123.00	3.90 - 4.00	4.15		118.70 - 120.54			3.84	Carbon Spring Steel
	<i>5.000</i>			<i>0.163</i>					<i>0.151</i>	
# CCEX-128.00-CS	128.00	123.37 - 124.00	3.90 - 4.00	4.15		118.70 - 120.54			4.00	Carbon Spring Steel
	<i>5.039</i>			<i>0.163</i>					<i>0.157</i>	

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-130.00-CS	130.00 <i>5.118</i>	126.00 <i>4.961</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	6.00 <i>0.236</i>	123.00 <i>4.843</i>	150.00 <i>5.906</i>	154.40 <i>6.079</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-133.35-CS	133.35 <i>5.250</i>	127.58 - 127.94	3.07 - 3.18	3.53 <i>0.139</i>	8.61 <i>0.339</i>	124.13 - 125.65	151.13 <i>5.950</i>	156.97 <i>6.180</i>	3.84 <i>0.151</i>	Carbon Spring Steel
# CCEX-135.00-CS	135.00 <i>5.315</i>	130.37 - 131.00	3.90 - 4.00	4.15 <i>0.163</i>	6.00 <i>0.236</i>	126.50 - 128.63	155.00 <i>6.102</i>	159.80 <i>6.291</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-140.00-CS	140.00 <i>5.512</i>	136.00 <i>5.354</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	6.00 <i>0.236</i>	133.00 <i>5.236</i>	160.00 <i>6.299</i>	165.20 <i>6.504</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-145.00-CS	145.00 <i>5.709</i>	140.37 - 141.00	3.90 - 4.00	4.15 <i>0.163</i>	6.00 <i>0.236</i>	136.50 - 138.63	166.00 <i>6.535</i>	170.60 <i>6.717</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-146.05-CS	146.05 <i>5.750</i>	139.65 - 140.00	3.07 - 3.18	3.53 <i>0.139</i>	9.60 <i>0.378</i>	136.04 - 137.57	163.32 <i>6.430</i>	169.67 <i>6.680</i>	3.84 <i>0.151</i>	Carbon Spring Steel
# CCEX-148.00-CS	148.00 <i>5.827</i>	143.37 - 144.00	3.90 - 4.00	4.15 <i>0.163</i>		138.50 - 140.63			4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-150.00-420	150.00 <i>5.906</i>	145.00 <i>5.709</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	7.50 <i>0.295</i>	142.00 <i>5.591</i>	171.00 <i>6.732</i>	177.30 <i>6.980</i>	4.00 <i>0.157</i>	420 Stainless

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
CCEX-150.00-CS	150.00 <i>5.906</i>	145.00 <i>5.709</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	7.50 <i>0.295</i>	142.00 <i>5.591</i>	171.00 <i>6.732</i>	177.30 <i>6.980</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-152.00-CS	152.00 <i>5.984</i>	146.37 - 147.00	3.90 - 4.00	4.15 <i>0.163</i>		141.50 - 143.63			4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-152.40-CS	152.40 <i>6.000</i>	145.75 - 146.10	3.07 - 3.18	3.53 <i>0.139</i>	9.98 <i>0.393</i>	142.01 - 143.54	169.42 <i>6.670</i>	176.02 <i>6.930</i>	3.84 <i>0.151</i>	Carbon Spring Steel
# CCEX-155.00-CS	155.00 <i>6.102</i>	149.37 - 150.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	144.50 - 146.63	176.00 <i>6.929</i>	182.30 <i>7.177</i>	4.00 <i>0.157</i>	Carbon Spring Steel
CCEX-160.00-CS	160.00 <i>6.299</i>	155.00 <i>6.102</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	7.50 <i>0.295</i>	151.00 <i>5.945</i>	182.00 <i>7.165</i>	188.00 <i>7.402</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-165.00-CS	165.00 <i>6.496</i>	159.37 - 160.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	154.00 - 156.13	187.00 <i>7.362</i>	193.40 <i>7.614</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-168.00-CS	168.00 <i>6.614</i>	161.37 - 162.00	3.90 - 4.00	4.15 <i>0.163</i>		156.00 - 158.13			4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-170.00-CS	170.00 <i>6.693</i>	165.00 <i>6.496</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	7.50 <i>0.295</i>	160.50 <i>6.319</i>	192.00 <i>7.559</i>	198.40 <i>7.811</i>	4.00 <i>0.157</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-175.00-CS	175.00 <i>6.890</i>	169.37 - 170.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	164.00 - 166.13	197.00 <i>7.756</i>	203.40 <i>8.008</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-176.00-CS	176.00 <i>6.929</i>	170.37 - 171.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	165.00 - 167.13	198.00 <i>7.795</i>	204.40 <i>8.047</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-178.00-CS	178.00 <i>7.008</i>	172.37 - 173.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	166.00 - 171.13	200.00 <i>7.874</i>	206.40 <i>8.126</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-180.00-CS	180.00 <i>7.087</i>	175.00 <i>6.890</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	7.50 <i>0.295</i>	170.50 <i>6.713</i>	204.00 <i>8.031</i>	210.00 <i>8.268</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-185.00-CS	185.00 <i>7.283</i>	179.37 - 180.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	174.00 - 176.13	209.00 <i>8.228</i>	215.20 <i>8.472</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-186.00-CS	186.00 <i>7.323</i>	180.37 - 181.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	175.00 - 177.13	210.00 <i>8.268</i>	216.20 <i>8.512</i>	4.00 <i>0.157</i>	Carbon Spring Steel
CCEX-190.00-CS	190.00 <i>7.480</i>	185.00 <i>7.283</i>	4.00 <i>0.157</i>	4.15 <i>0.163</i>	7.50 <i>0.295</i>	180.50 <i>7.106</i>	214.00 <i>8.425</i>	220.00 <i>8.661</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-195.00-CS	195.00 <i>7.677</i>	189.28 - 190.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	183.80 - 186.22	219.00 <i>8.622</i>	225.00 <i>8.858</i>	4.00 <i>0.157</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-200.00-CS	200.00 <i>7.874</i>	194.28 - 195.00	3.90 - 4.00	4.15 <i>0.163</i>	7.50 <i>0.295</i>	188.80 - 191.22	224.00 <i>8.819</i>	230.00 <i>9.055</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-210.00-CS	210.00 <i>8.268</i>	203.28 - 204.00	4.88 - 5.00	5.15 <i>0.203</i>	9.00 <i>0.354</i>	196.30 - 198.72	233.00 <i>9.173</i>	240.00 <i>9.449</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-215.00-CS	215.00 <i>8.465</i>	208.28 - 209.00	4.88 - 5.00	5.15 <i>0.203</i>		201.30 - 203.72			4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-220.00-CS	220.00 <i>8.661</i>	214.00 <i>8.425</i>	5.00 <i>0.197</i>	5.15 <i>0.203</i>	9.00 <i>0.354</i>	208.00 <i>8.189</i>	243.00 <i>9.567</i>	250.00 <i>9.843</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-225.00-CS	225.00 <i>8.858</i>	218.28 - 219.00	4.88 - 5.00	5.15 <i>0.203</i>		211.30 - 213.72			4.00 <i>0.157</i>	Carbon Spring Steel
CCEX-240.00-CS	240.00 <i>9.449</i>	234.00 <i>9.213</i>	5.00 <i>0.197</i>	5.15 <i>0.203</i>	9.00 <i>0.354</i>	228.00 <i>8.976</i>	263.00 <i>10.354</i>	270.00 <i>10.630</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-250.00-CS	250.00 <i>9.843</i>	243.28 - 244.00	4.88 - 5.00	5.15 <i>0.203</i>	9.00 <i>0.354</i>	236.30 - 238.72	272.00 <i>10.709</i>	280.00 <i>11.024</i>	4.00 <i>0.157</i>	Carbon Spring Steel
# CCEX-255.00-CS	255.00 <i>10.039</i>	246.28 - 247.00	4.88 - 5.00	5.15 <i>0.203</i>		238.30 - 240.72			4.00 <i>0.157</i>	Carbon Spring Steel

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## Circlips - External - Basic (Standard)

Part Number	Shaft Diameter (G) mm <i>inches</i>	Groove Diameter (D) mm <i>inches</i>	Circlip Thickness (T) mm <i>inches</i>	Groove Width (W) mm <i>inches</i>	Min Extension (n) mm <i>inches</i>	Loose Circlip ID (A) mm <i>inches</i>	Assem. Clear. on Shaft (C1) mm <i>inches</i>	Assem. Clear. in Groove (C) mm <i>inches</i>	Min. Hole Diameter (h) mm <i>inches</i>	Material
# CCEX-260.00-CS	260.00 <i>10.236</i>	251.19 - 252.00	4.88 - 5.00	5.15 <i>0.203</i>	12.00 <i>0.472</i>	243.30 - 245.72	285.00 <i>11.220</i>	294.00 <i>11.575</i>	5.00 <i>0.197</i>	Carbon Spring Steel
# CCEX-280.00-CS	280.00 <i>11.024</i>	271.19 - 272.00	4.88 - 5.00	5.15 <i>0.203</i>	12.00 <i>0.472</i>	263.00 - 265.81	305.00 <i>12.008</i>	314.00 <i>12.362</i>	5.00 <i>0.197</i>	Carbon Spring Steel
# CCEX-290.00-CS	290.00 <i>11.417</i>	281.19 - 282.00	4.88 - 5.00	5.15 <i>0.203</i>	12.00 <i>0.472</i>	273.00 - 275.81	315.00 <i>12.402</i>	324.00 <i>12.756</i>	5.00 <i>0.197</i>	Carbon Spring Steel
# CCEX-300.00-CS	300.00 <i>11.811</i>	291.19 - 292.00	4.88 - 5.00	5.15 <i>0.203</i>	12.00 <i>0.472</i>	283.00 - 285.81	325.00 <i>12.795</i>	334.00 <i>13.150</i>	5.00 <i>0.197</i>	Carbon Spring Steel
# CCEX-320.00-CS	320.00 <i>12.598</i>	309.19 - 310.00	5.85 - 6.00	6.20 <i>0.244</i>	15.00 <i>0.591</i>	301.00 - 303.81	351.10 <i>13.823</i>	362.20 <i>14.260</i>	6.00 <i>0.236</i>	Carbon Spring Steel
# CCEX-330.00-CS	330.00 <i>12.992</i>	319.11 - 320.00	5.85 - 6.00	6.20 <i>0.244</i>	15.00 <i>0.591</i>	311.00 - 313.81	361.00 <i>14.213</i>	372.20 <i>14.654</i>	6.00 <i>0.236</i>	Carbon Spring Steel
# CCEX-360.00-CS	360.00 <i>14.173</i>	349.11 - 350.00	5.85 - 6.00	6.20 <i>0.244</i>	15.00 <i>0.591</i>	341.00 - 343.90	391.00 <i>15.394</i>	402.20 <i>15.835</i>	6.00 <i>0.236</i>	Carbon Spring Steel
# CCEX-380.00-CS	380.00 <i>14.961</i>	369.11 - 370.00	5.85 - 6.00	6.20 <i>0.244</i>	15.00 <i>0.591</i>	361.00 - 363.90	411.00 <i>16.181</i>	422.20 <i>16.622</i>	6.00 <i>0.236</i>	Carbon Spring Steel

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Part Number	Shaft Diameter (G) mm	Groove Diameter (D) mm	Circlip Thickness (T) mm	Groove Width (W) mm	Min Extension (n) mm	Loose Circlip ID (A) mm	Assem. Clear. on Shaft (C1) mm	Assem. Clear. in Groove (C) mm	Min. Hole Diameter (h) mm	Material
	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	
CCEX-004.78-BC	4.78	4.45	0.38	0.46	0.56	4.27	7.62	7.26	0.58	Beryllium Copper
	<i>0.188</i>	<i>0.175</i>	<i>0.015</i>	<i>0.018</i>	<i>0.022</i>	<i>0.168</i>	<i>0.300</i>	<i>0.286</i>	<i>0.023</i>	

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