# **C-Clamps**

**Drop forged C-Clamps** 



# **Heavy service HS series**

The heaviest & strongest of the drop-forged "C" clamps are the B-HS series. The BESSEY® Heavy Service series of clamps are sometimes referred to as "bridge clamps". These are made for the heaviest of steel construction & fabrication projects. Heavy square head on end of spindle designed to be used with wrenches & power tools - they do not have sliding pin T-handles like lesser clamps.

#### Drop forged

For a longer lasting tool.

### Square head for maximum torque

#### Heat-treated frames

Designed for heavy industrial and construction applications

#### Clamping force

Clamping forces up to 40,000 lbs



#### Heavy service HS series (fully closing)

The toughest of the C-clamps with a clamping pressure of up to 40,000 lbs. Square head on the spindle.

D UCA	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
B-HS0	0- <sup>3</sup> /4"	<sup>11</sup> / <sub>16</sub> "	2,800 lbs	0.33 lbs
B-HS1	0-1 <sup>3</sup> /8"	1 <sup>3</sup> / <sub>32</sub> "	5,600 lbs	1.00 lbs
B-HS1.5	0-1 <sup>3</sup> /4"	1 <sup>7</sup> / <sub>16</sub> "	8,750 lbs	1.80 lbs
B-HS2	0-2 <sup>3</sup> /8"	1 <sup>7</sup> /8"	12,500 lbs	4.50 lbs
B-HS3	0-3 <sup>5</sup> / <sub>16</sub> "	<b>2</b> <sup>5</sup> / <sub>16</sub> "	16,250 lbs	7.10 lbs
B-HS4	0-4 <sup>1</sup> / <sub>2</sub> "	2 <sup>3</sup> /4"	20,000 lbs	11.00 lbs
B-HS5	0-5 <sup>1</sup> /4"	3 <sup>1</sup> / <sub>16</sub> "	23,800 lbs	14.90 lbs
B-HS6	0-6 <sup>3</sup> /8"	3 <sup>3</sup> /8"	27,500 lbs	19.30 lbs
B-HS8	0-8 <sup>1</sup> / <sub>4</sub> "	3 5/8"	31,250 lbs	27.50 lbs
B-HS10	0-10 <sup>1</sup> /4"	3 <sup>15</sup> / <sub>16</sub> "	35,000 lbs	40.10 lbs
B-HS12	0-12 <sup>3</sup> /8"	4 <sup>1</sup> / <sub>4</sub> "	40,000 lbs	47.80 lbs

#### Heavy duty 100 series C-clamps

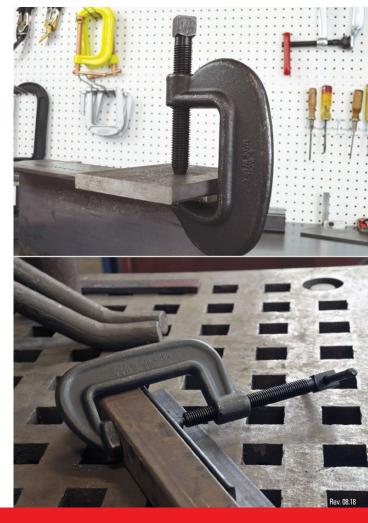
The 100 series of drop-forged "C" clamps are made in the USA & have been carefully engineered for greater strength than the CDF series are ideal for heavy industrial & construction applications. These clamps have sliding pin T-handle as well as a square head for maximum torque & flexibility.

	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
B-102	0-2"	1 <sup>1</sup> / <sub>2</sub> "	7,500 lbs	1.50 lbs
B-103	0-3"	2"	8,750 lbs	2.65 lbs
B-104	0-3 <sup>1</sup> / <sub>2</sub> "	2 <sup>1</sup> /4"	10,000 lbs	4.15 lbs
B-106	2-5 <sup>1</sup> / <sub>2</sub> "	<b>2</b> <sup>1</sup> / <sub>2</sub> "	11,250 lbs	6.00 lbs
B-108	4-7 <sup>1</sup> / <sub>2</sub> "	<b>2</b> <sup>5</sup> / <sub>8</sub> "	12,500 lbs	7.80 lbs
B-110	6-9 <sup>1</sup> / <sub>2</sub> "	<b>2</b> <sup>3</sup> / <sub>4</sub> "	13,750 lbs	8.70 lbs
B-112	8-11 <sup>1</sup> /2"	2 <sup>7</sup> /8"	15,000 lbs	12.10 lbs

BESSEY® Tools North America 1-800-828-1004 · Fax (519) 621-3442







# **C-Clamps**

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# Regular duty CDF, deep throat C-clamps

The CDF series "C" clamps have heavy-duty drop-forged, heattreated frames with a black powder coat finish, the handle, spindle and pressure pad assemblies have a black oxide finish.

	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
CDF402	0-2"	<b>2</b> <sup>1</sup> / <sub>8</sub> "	3,500 lbs	1.40 lbs
CDF408	0-8"	5"	6,900 lbs	7.90 lbs
CDF410	0-10"	6"	8,000 lbs	11.60 lbs
CDF412	0-12"	6 <sup>1</sup> / <sub>4</sub> "	9,300 lbs	14.10 lbs



# Regular duty CDFCHV, deep throat C-clamps – HiVis

The CDF400CHV series "C" clamps have heavy-duty dropforged, heat-treated frames with a high visibility yellow powder coat finish, the handle, spindle & pressure pad assemblies are copper plated to resist weld spatter.

CDF402CHV CDF403CHV CDF404CHV CDF406CHV	Clamping Capacity 0-2" 0-3" 0-4" 0-6"	Throat Depth 2 <sup>1</sup> /8" 2 <sup>3</sup> /8" 3 <sup>1</sup> /4" 4 <sup>1</sup> /8"	Clamping Force 3,500 lbs 3,500 lbs 6,200 lbs 6,900 lbs	Approx. Weight 1.40 lbs 1.90 lbs 3.50 lbs 5.40 lbs
CDF408CHV CDF408CHV CDF410CHV CDF412CHV	0-8" 0-10" 0-12"	4 /8 5" 6" 6 <sup>1</sup> /4"	6,900 lbs 6,900 lbs 8,000 lbs 9,300 lbs	7.90 lbs 11.60 lbs 14.10 lbs



# 540 series ductile alloy C-clamps

Cast ductile iron frame has approximately twice the tensile strength of similarly capacity clamps made of malleable cast iron. This clamp recommended for lighter duty, such as light assembly, sheet metal fabrication, woodworking, auto repair etc.

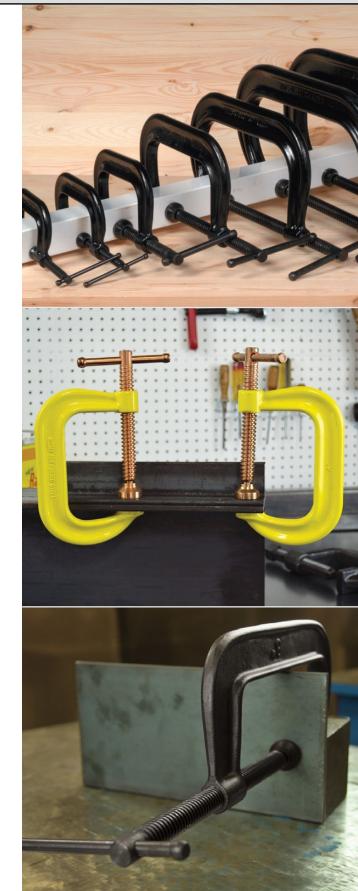
	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
<b>540-2</b> ½	0-2 <sup>1</sup> /2"	1 <sup>3</sup> /4"	1100 lbs	1.20 lbs
540-3	0-3"	1 <sup>7</sup> /8"	1800 lbs	1.60 lbs
540-4	0-4"	2 <sup>1</sup> / <sub>16</sub> "	2150 lbs	2.23 lbs
540-5	0-5"	2 <sup>1</sup> / <sub>2</sub> "	2250 lbs	2.69 lbs
540-6	0-6"	2 <sup>3</sup> /4"	2450 lbs	3.20 lbs
540-8	0-8"	3 <sup>1</sup> / <sub>4</sub> "	2750 lbs	4.74 lbs
540-10	0-10"	3 5/8"	2850 lbs	7.56 lbs
540-12	0-12"	3 5/8"	2850 lbs	8.18 lbs
540-14	0-14"	3 ³/4"	2850 lbs	8.93 lbs

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# **C-Clamps**

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# Light duty drop forged C-clamps, CM

Economical, yet sturdy – great for light duty welding & fabrication, and around the home workshop. Galvanized finish for models CM10-CM30, and black powder coated finish for models CM40-CM80.

	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
CM34DR	0-2 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> "	900 lbs	1.50 lbs
CM10	0-1"	1"	750 lbs	0.25 lbs
CM15	0-1 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> "	750 lbs	0.30 lbs
CM20	0-1 <sup>7</sup> /8"	1 <sup>1</sup> / <sub>2</sub> "	750 lbs	0.40 lbs
CM22	0-2 <sup>1</sup> / <sub>2</sub> "	1 <sup>3</sup> /8"	900 lbs	0.48 lbs
CM25	0-2 <sup>1</sup> / <sub>2</sub> "	<b>2</b> <sup>1</sup> / <sub>2</sub> "	900 lbs	0.82 lbs
CM30	0-2 <sup>7</sup> /8"	1 <sup>3</sup> /4"	1,200 lbs	0.92 lbs
CM40	0-4"	3"	1,300 lbs	1.50 lbs
CM50	0-5"	3"	1,300 lbs	2.25 lbs
CM60	0-6"	3"	1,800 lbs	2.40 lbs
CM80	0-8 <sup>1</sup> /4"	4"	1,800 lbs	3.30 lbs



### Quick release QRCC, C-clamps

Drop forged frame with powder coat finish. Spindle and pressure pad are chrome plated. Press the red quickrelease button for rapid fitting, to work piece, when not under pressure – use under pressure causes the quick release mechanism to wear out prematurely. Great for light duty, highly repetitive assembly work.

	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
ORCC3	0-3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> /4"	1,200 lbs	1.87 lbs
QRCC4	0-4 <sup>3</sup> /8"	<b>2</b> <sup>1</sup> / <sub>4</sub> "	1,200 lbs	2.37 lbs
ORCC6	0-65/8"	3 7/8"	1,200 lbs	4.07 lbs

#### **Double head DHCC, C-clamps**

Provides twin top pressure points for light duty clamping applications. Ideal for hobbies, crafts and light trades.

	Clamping Capacity	Throat Depth	Clamping Force	Approx. Weight
DHCC-4	0-4"	2 <sup>1</sup> / <sub>4</sub> "	1,200 lbs	1.60 lbs
DHCC-6	0-6"	2 <sup>7</sup> /8"	1,200 lbs	3.00 lbs









