

# The Industry Leader—Strength & Dependability

## EC Hook & Lug Suspension Models

**COFFING EC Models** - *High performance* hoists engineered for heavy duty industrial service. Designed for safety, the EC incorporates mechanical load brake, motor brake, and overload clutch as standard.

- **CAPACITIES & LIFTS** - Rated loads from 1/4 to 5 Tons, with 10, 15, and 20-foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift.
- **VOLTAGE & MOTOR OPTIONS** - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase. 60 hertz standard, 50 hertz available. Two-speed motors available (3 to 1 speed ratio).
- **SUSPENSION OPTIONS** - Rigid or swivel top hook, lug, plain, geared, and motorized trolley available.
- **STANDARD FEATURES** - Refer to pages 6 & 7.
- **SMALL FRAME DESIGN** - Features housings of cast aluminum alloy construction for minimum weight. Engineered and designed for use with motors up to 1 HP.
- **LARGE FRAME DESIGN** - Features load bearing housings of ductile iron construction for maximum strength. Non-load bearing housings of cast aluminum alloy for minimum weight. Engineered and designed for use with higher torque 2 and 3 HP three phase motors
- **DURABLE CONSTRUCTION** - Built in compliance with ASME/ANSI B30.16 and CSA standards.
- **ACCESSORIES & OPTIONS** - Full line available to meet a variety of applications. See pages 22-27.
- **LIFETIME WARRANTY**

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1/4 - 5 Ton  
Made in USA



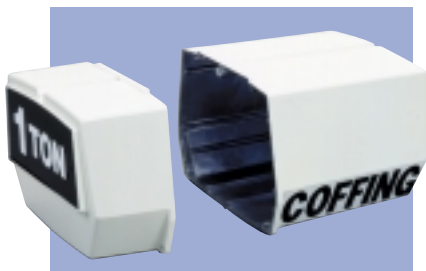
## S P E C I F I C A T I O N S

### EC Hook & Lug Suspension Models

Capacity		Model Number	Frame* Size	No. of Chains	Motor HP	Lift Speed (FPM)		Headroom (In.)	Housing Dimensions (In.)			Net Wt.** (Lb.)
(Lb.)	(Ton)					Single	Two		H	W	L	
500	1/4	<b>EC-0516</b>	S	1	1/4	16	5.3	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	100
500	1/4	<b>EC-0532</b>	S	1	1/2	32	10.7	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	108
500	1/4	<b>EC-0564</b>	S	1	1	64	21.3	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	116
1000	1/2	<b>EC-1009</b>	S	1	1/4	9	3	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	104
1000	1/2	<b>EC-1016</b>	S	1	1/2	16	5.3	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	106
1000	1/2	<b>EC-1032</b>	S	1	1	32	10.7	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	118
2000	1	<b>EC-2004</b>	S	2	1/4	4	1.3	18 <sup>1</sup> / <sub>4</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	116
2000	1	<b>EC-2008</b>	S	2	1/2	8	2.7	18 <sup>1</sup> / <sub>4</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	116
2000	1	<b>EC-2012</b>	S	1	3/4	12	4	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	114
2000	1	<b>EC-2016</b>	S	1	1	16	5.3	16 <sup>7</sup> / <sub>8</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	118
2000	1	<b>EC-2032</b>	L	1	2	32	10.7	23	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	295
4000	2	<b>EC-4006</b>	S	2	3/4	6	2	18 <sup>15</sup> / <sub>16</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	127
4000	2	<b>EC-4008</b>	S	2	1	8	2.7	18 <sup>15</sup> / <sub>16</sub>	8	11 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	133
4000	2	<b>EC-4016</b>	L	1	2	16	5.3	23	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	295
4000	2	<b>EC-4024</b>	L	1	3	24	8	23	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	302
6000	3	<b>EC-6005</b>	S	3	1	5	1.7	23 <sup>1</sup> / <sub>4</sub>	8	12	26 <sup>3</sup> / <sub>8</sub>	200
6000	3	<b>EC-6010</b>	L	2	2	10	3.3	27 <sup>3</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	340
6000	3	<b>EC-6016</b>	L	2	3	16	5.3	27 <sup>3</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	347
8000	4	<b>EC-8008</b>	L	2	2	8	2.7	27 <sup>3</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	345
8000	4	<b>EC-8012</b>	L	2	3	12	4	27 <sup>3</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	352
10000	5	<b>EC-10005</b>	L	3	2	5	1.7	27 <sup>7</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	393
10000	5	<b>EC-10008</b>	L	3	3	8	2.7	27 <sup>7</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	14 <sup>13</sup> / <sub>16</sub>	31 <sup>3</sup> / <sub>16</sub>	393

\* **S** = Small frame hoist, parallel mounted, single or three phase. **L** = Large frame hoist, cross mounted, three phase only.  
 \*\* For 10 ft. lift, top hook suspension and lug suspension units.

**NOTE:** For complete dimensional data, refer to Coffing Dimensional Databook.



#### **Housing Design**

Brake cover (left) and electrical cover (right) easily removed for maintenance or service of unit. (Covers for EC Small Frame Unit Shown)



# Suspensions For A Variety of Applications

## EC Trolley Suspensions

**COFFING ECT, ECGT, and ECMT Models** - Plain, geared, and motorized trolley suspensions with all the features of basic EC models for added flexibility in a variety of applications.

- **PLAIN TROLLEY** - For manual positioning of hoist and load.
- **GEARED TROLLEY** - For more precise positioning of hoist and load. Standard hand chain drop is 2-feet less than lift.
- **MOTORIZED TROLLEY** - For faster positioning of hoist and load over longer distances. 35 or 75 FPM speeds standard with optional speeds of 18, 24, 50, 100, and 150 FPM.
- **VOLTAGES** - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase. 60 hertz standard, 50 hertz available.
- **TWO-SPEED MOTORIZED TROLLEY MODELS** - Optional with 3 to 1 speed ratio, three-phase, single voltage only.
- **WRAP-AROUND SIDE PLATES** - Act as safety lugs and as bumpers to protect wheels. Available to fit American Standard I-Beams, wide-flange, and patented track beams. Specify track type and beam size.
- **PRECISION TROLLEY WHEELS** - Machined, cast iron wheels with sealed, lifetime lubricated ball bearings for extended trolley life. Motorized trolley wheels heat treated for added durability. Bronze and stainless steel wheels optional.
- **TWO TROLLEY DESIGNS** - 4-wheel design on 1/4 - 3 ton negotiates 48" minimum radius curve, including patented track applications. 8-wheel design on 4 and 5 ton reduces beam flange stress.
- **ACCESSORIES & OPTIONS** - Full line available to meet a variety of applications. See pages 22-27.
- **LIFETIME WARRANTY**

1/4 - 5 Ton  
Made in USA

# ELECTRIC CHAIN HOISTS

## SPECIFICATIONS

### EC Plain, Geared & Motorized Suspensions

Capacity		Model Number	Frame* Size	Trolley† Mount	ECT & ECGT Hdrm (In.)	ECMT Hdrm (In.)	Flange Width (In.)	Beam Ht. (In.)	Min. Rad. Curve (In.)	Net Wt.** (Lb.)	ECMT Net Wt. (Lb.)
(Lb.)	(Ton)										
500	1/4	<b>EC(†)-0516</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	145	180
500	1/4	<b>EC(†)-0532</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	153	188
500	1/4	<b>EC(†)-0564</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	161	196
1000	1/2	<b>EC(†)-1009</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	151	186
1000	1/2	<b>EC(†)-1016</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	151	186
1000	1/2	<b>EC(†)-1032</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	163	198
2000	1	<b>EC(†)-2004</b>	S	P	18 <sup>5</sup> / <sub>8</sub>	18 <sup>5</sup> / <sub>8</sub>	3.332 - 6	6 - 18	48	161	196
2000	1	<b>EC(†)-2008</b>	S	P	18 <sup>5</sup> / <sub>8</sub>	18 <sup>5</sup> / <sub>8</sub>	3.332 - 6	6 - 18	48	161	196
2000	1	<b>EC(†)-2012</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	158	194
2000	1	<b>EC(†)-2016</b>	S	P	17 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	163	198
2000	1	<b>EC(†)-2032</b>	L	C	21 <sup>9</sup> / <sub>16</sub>	22 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	347	375
4000	2	<b>EC(†)-4006</b>	S	P	19 <sup>5</sup> / <sub>16</sub>	19 <sup>5</sup> / <sub>16</sub>	3.332 - 6	6 - 18	48	172	207
4000	2	<b>EC(†)-4008</b>	S	P	19 <sup>5</sup> / <sub>16</sub>	19 <sup>5</sup> / <sub>16</sub>	3.332 - 6	6 - 18	48	178	213
4000	2	<b>EC(†)-4016</b>	L	C	21 <sup>9</sup> / <sub>16</sub>	22 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	347	375
4000	2	<b>EC(†)-4024</b>	L	C	21 <sup>9</sup> / <sub>16</sub>	22 <sup>1</sup> / <sub>4</sub>	3.332 - 6	6 - 18	48	354	362
6000	3	<b>EC(†)-6005</b>	S	P	23 <sup>1</sup> / <sub>4</sub>	24	3.332 - 6	6 - 18	48	260	320
6000	3	<b>EC(†)-6010</b>	L	C	26	26 <sup>5</sup> / <sub>8</sub>	3.332 - 6	6 - 18	48	396	424
6000	3	<b>EC(†)-6016</b>	L	C	26	26 <sup>5</sup> / <sub>8</sub>	3.332 - 6	6 - 18	48	403	431
8000	4	<b>EC(†)-8008</b>	L	C	25 <sup>15</sup> / <sub>16</sub>	26 <sup>3</sup> / <sub>4</sub>	4 - 6	8 - 18	***	520	560
8000	4	<b>EC(†)-8012</b>	L	C	25 <sup>15</sup> / <sub>16</sub>	26 <sup>3</sup> / <sub>4</sub>	4 - 6	8 - 18	***	527	567
10000	5	<b>EC(†)-10005</b>	L	C	29 <sup>3</sup> / <sub>4</sub>	30 <sup>5</sup> / <sub>8</sub>	4 - 6	8 - 18	***	561	599
10000	5	<b>EC(†)-10008</b>	L	C	29 <sup>3</sup> / <sub>4</sub>	30 <sup>5</sup> / <sub>8</sub>	4 - 6	8 - 18	***	568	606

† Specify **ECT** for plain trolley, **ECGT** for geared trolley, and **ECMT** for motorized trolley models.

\* **S** = Small frame hoist, single or three phase. **L** = Large frame hoist, three phase only.

‡ **P** = Parallel mount, standard on small frame hoists. **C** = Cross mount, standard on large frame hoists.

\*\* Weight for 10 ft. lift ECT units. Add 10 lb. for ECGT unit weights.

\*\*\* 4 & 5 ton straight track only. Articulated model for 48" min. radius curved track available — consult factory.

**NOTE:** For complete dimensional data, refer to Coffing Dimensional Databook.

