



MODEL
EC

The **INDUSTRY LEADER** -
STRENGTH and
DEPENDABILITY

EC Hook & Lug Suspension Models



1/4 - 5 Ton

Made in USA

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 8 & 9.

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 of accessories available, including Variable Frequency Drives. See pages 25-31.

LIFETIME WARRANTY

COFFING[®]
HOISTS



● SPECIFICATIONS ●

EC Hook & Lug Suspension Models

| Capacity | | | Model Number | Frame * | No. of Chains | Motor HP | Lift Speed (fpm) | | Headroom (in.) | Housing Dimensions (in.) | | | Net Wt. ** (lb.) |
|----------|--------|-------|--------------|---------|---------------|----------|------------------|--------|----------------|--------------------------|----------|---------|------------------|
| (lb.) | (kg) † | (Ton) | | | | | Single | Two †† | | H | W | L | |
| 500 | 250 | 1/4 | EC-0516 | S | 1 | 1/4 | 16 | 5.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 100 |
| 500 | 250 | 1/4 | EC-0532 | S | 1 | 1/2 | 32 | 10.7 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 108 |
| 500 | 250 | 1/4 | EC-0564 | S | 1 | 1 | 64 | 21.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 116 |
| 1000 | 500 | 1/2 | EC-1009 | S | 1 | 1/4 | 9 | 3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 104 |
| 1000 | 500 | 1/2 | EC-1016 | S | 1 | 1/2 | 16 | 5.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 106 |
| 1000 | 500 | 1/2 | EC-1032 | S | 1 | 1 | 32 | 10.7 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 118 |
| 2000 | 1000 | 1 | EC-2004 | S | 2 | 1/4 | 4 | 1.3 | 18 1/4 | 8 | 11 5/8 | 23 3/8 | 116 |
| 2000 | 1000 | 1 | EC-2008 | S | 2 | 1/2 | 8 | 2.7 | 18 1/4 | 8 | 11 5/8 | 23 3/8 | 116 |
| 2000 | 1000 | 1 | EC-2012 | S | 1 | 1 | 12 | 4 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 114 |
| 2000 | 1000 | 1 | EC-2016 | S | 1 | 1 | 16 | 5.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 118 |
| 2000 | 1000 | 1 | EC-2032 | L | 1 | 2 | 32 | 10.7 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 295 |
| 2000 | 1000 | 1 | EC-2048 | L | 1 | 3 | 48 | 16 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 302 |
| 4000 | 2000 | 2 | EC-4006 | S | 2 | 1 | 6 | 2 | 18 15/16 | 8 | 11 5/8 | 23 3/8 | 127 |
| 4000 | 2000 | 2 | EC-4008 | S | 2 | 1 | 8 | 2.7 | 18 15/16 | 8 | 11 5/8 | 23 3/8 | 133 |
| 4000 | 2000 | 2 | EC-4016 | L | 1 | 2 | 16 | 5.3 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 295 |
| 4000 | 2000 | 2 | EC-4024 | L | 1 | 3 | 24 | 8 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 302 |
| 6000 | | 3 | EC-6005 | S | 3 | 1 | 5 | 1.7 | 23 1/4 | 8 | 12 | 26 3/8 | 200 |
| 6000 | 3000 | 3 | EC-6010 | L | 2 | 2 | 10 | 3.3 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 340 |
| 6000 | 3000 | 3 | EC-6016 | L | 2 | 3 | 16 | 5.3 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 347 |
| 8000 | | 4 | EC-8008 | L | 2 | 2 | 8 | 2.7 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 345 |
| 8000 | | 4 | EC-8012 | L | 2 | 3 | 12 | 4 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 352 |
| 10000 | 5000 | 5 | EC-10005 | L | 3 | 2 | 5 | 1.7 | 27 7/8 | 10 7/8 | 14 13/16 | 31 3/16 | 393 |
| 10000 | 5000 | 5 | EC-10008 | L | 3 | 3 | 8 | 2.7 | 27 7/8 | 10 7/8 | 14 13/16 | 31 3/16 | 393 |

† Metric rated option available

* **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.





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 25-31.

LIFETIME WARRANTY



1/4 - 5 Ton

Made in USA

COFFING[®]
HOISTS



● SPECIFICATIONS ●

EC Plain, Geared & Motorized Suspensions

| Capacity | | | Model Number | Frame * Size | Trolley † Mount | ECT & ECGT Hdrm (in.) | ECMT Hdrm (in.) | Flange Width (in.) | Min. Rad. Curve (in.) | Net Wt. ** (lb.) | ECMT Net Wt. (lb.) |
|----------|--------|-------|--------------|-----------------|--------------------|--------------------------|--------------------|-----------------------|--------------------------|---------------------|-----------------------|
| (lb.) | (kg) ‡ | (Ton) | | | | | | | | | |
| 500 | 250 | 1/4 | EC(†)-0516 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 145 | 180 |
| 500 | 250 | 1/4 | EC(†)-0532 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 153 | 188 |
| 500 | 250 | 1/4 | EC(†)-0564 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 161 | 196 |
| 1000 | 500 | 1/2 | EC(†)-1009 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 151 | 186 |
| 1000 | 500 | 1/2 | EC(†)-1016 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 151 | 186 |
| 1000 | 500 | 1/2 | EC(†)-1032 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 163 | 198 |
| 2000 | 1000 | 1 | EC(†)-2004 | S | P | 18 5/8 | 18 5/8 | 3.332 - 7 | 48 | 161 | 196 |
| 2000 | 1000 | 1 | EC(†)-2008 | S | P | 18 5/8 | 18 5/8 | 3.332 - 7 | 48 | 161 | 196 |
| 2000 | 1000 | 1 | EC(†)-2012 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 158 | 194 |
| 2000 | 1000 | 1 | EC(†)-2016 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 163 | 198 |
| 2000 | 1000 | 1 | EC(†)-2032 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 347 | 375 |
| 2000 | 1000 | 1 | EC(†)-2048 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 347 | 375 |
| 4000 | 2000 | 2 | EC(†)-4006 | S | P | 19 5/16 | 19 5/16 | 3.332 - 7 | 48 | 172 | 207 |
| 4000 | 2000 | 2 | EC(†)-4008 | S | P | 19 5/16 | 19 5/16 | 3.332 - 7 | 48 | 178 | 213 |
| 4000 | 2000 | 2 | EC(†)-4016 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 347 | 375 |
| 4000 | 2000 | 2 | EC(†)-4024 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 354 | 362 |
| 6000 | | 3 | EC(†)-6005 | S | P | 23 1/4 | 24 | 3.332 - 7 | 48 | 260 | 320 |
| 6000 | 3000 | 3 | EC(†)-6010 | L | C | 26 | 26 5/8 | 3.332 - 7 | 48 | 396 | 424 |
| 6000 | 3000 | 3 | EC(†)-6016 | L | C | 26 | 26 5/8 | 3.332 - 7 | 48 | 403 | 431 |
| 8000 | | 4 | EC(†)-8008 | L | C | 25 15/16 | 26 3/4 | 4 - 7 | *** | 520 | 560 |
| 8000 | | 4 | EC(†)-8012 | L | C | 25 15/16 | 26 3/4 | 4 - 7 | *** | 527 | 567 |
| 10000 | 5000 | 5 | EC(†)-10005 | L | C | 29 3/4 | 30 5/8 | 4 - 7 | *** | 561 | 599 |
| 10000 | 5000 | 5 | EC(†)-10008 | L | C | 29 3/4 | 30 5/8 | 4 - 7 | *** | 568 | 606 |

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

‡ Metric rated option available

* **S** = Small frame hoist, parallel mounted, single or three phase.
L = Large frame hoist, cross mounted, 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.

