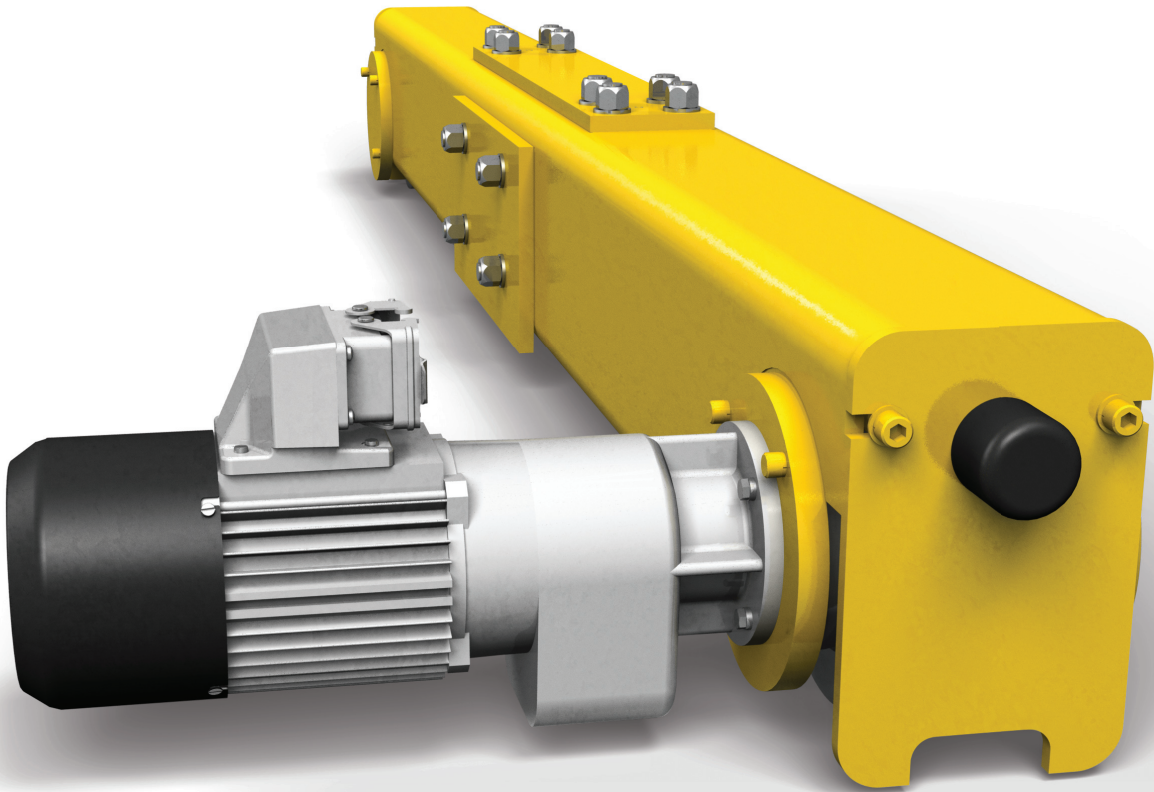




TOP-RUNNING TUBE FRAME INTEGRATED ROTATING AXLE **END TRUCKS**



CLASS C AND CLASS D SERVICE
ACTUAL & DURABILITY
WHEEL LOAD CHARTS



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INTEGRATED ROTATING AXLE, TOP RUNNING TUBE-FRAME END TRUCK

CATALOG NUMBERING SYSTEM

The following end truck catalog numbering system makes ordering a pair of end trucks for a specific application easier and insures that you will receive exactly what you ordered.

Example - Typical Double Girder Truck

Catalog Number as Cataloged - Less Options

Example:
160TD105HD110

160 **T** **D** **105** **H** **D** **1** **10** **S**

E **N** **D** **T** **R** **U** **C** **K** **S**

Note: Order acknowledgements will indicate the first 3 fields of your selected catalog number along with a description of your truck features:

Example: 160TDTRUCK

E

CODE	WHEEL DIAMETER
115	115 mm (4.5")
160	160 mm (6.3")
200	200 mm (7.9")
260	260 mm (10.2")

N

CODE	END TRUCK TYPE
T	Top-Running

D

CODE	APPLICATION
S	Single Girder
D	Double Girder

T

CODE	RAIL
40	40# Maximum
105	60#-105#

R

CODE	WHEELBASE
D	4'-6"
E	5'-0"
F	5'-6"
G	6'-0"
H	6'-3"
J	6'-6"
K	7'-0"
L	7'-6"
M	8'-0"
N	8'-6"
P	9'-0"
R	9'-6"
R	10'-0"

U

CODE	GAGE
C	48"
D	54"
E	60"
F	66"
G	72"
H	75"
J	78"
K	84"
L	90"
M	96"
N	102"
P	108"
R	114"
T	120"
U	126"

C

CODE	VOLTAGE
•1	200/3/60
•2	208/3/60
•3	230/3/60
•4	460/3/60
•5	575/3/60
•6	380/3/50

K

CODE	HP
07	0.75 (115 mm)
10	1.0 (160 mm)
15	1.5 (200 mm)
20	2.0 (260 mm @ 100 fpm)
30	3.0 (260 mm @ 150 fpm)

S

CODE	BUMPER
(Blank)	Default
1	R1
2	R2
3	R3
4	R4
5	R5

Note: Not all combinations are possible

SINGLE GIRDER TOP RUNNING END TRUCKS

ACTUAL WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard.
- For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing. 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

CAST IRON WHEELS (ACTUAL)

For Spans Thru (ft.-in.)	Catalog Number	Wheel Diameter mm (in.)	Wheel Base (ft.-in.)	HP Each Motor	Weight with Gearmotors (lbs.)	Max. Allowable ACTUAL Wheel Loads (lbs.), P									
						25#		30#		40#		60#		80#	
						100 fpm		100 fpm		100 fpm		100 fpm		100 fpm	
						Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D
36-0	115TS040D*07	115 (4.5)	4-6	0.75	448	7100	6300	7500	6600	8400	6600				
50-0	115TS040H*07		6-3		529	6800	6100	7300	6400	8100	6400				
60-0	115TS040L*07		7-6		588	6500	5800	6900	6100	7300	6100				
36-0	160TS040D*10	160 (6.3)	4-6	1	634	10700	9600	11400	10200	13400	11500				
50-0	160TS040H*10		6-3		748	10400	9300	11100	9900	13000	11100				
60-0	160TS040L*10		7-6		829	10000	9000	10700	9500	11800	10700				
36-0	160TS105D*10		4-6		634							14400	11500	14400	11500
50-0	160TS105H*10		6-3		748							13900	11100	13900	11100
60-0	160TS105L*10		7-6		829							11800	10700	11800	10700
36-0	200TS040D*15	200 (7.9)	4-6	1.5	926	13400	12600	14300	13400	16800	15800				
50-0	200TS040H*15		6-3		1076		12300		13100		15400				
60-0	200TS040L*15		7-6		1183	13300	11900	14100	12600	16600	14800				
36-0	200TS105D*15		4-6		926							23500	22100	25200	23700
50-0	200TS105H*15		6-3		1076							21600	24400	23100	
60-0	200TS105L*15		7-6		1183							20300	20300	20300	20300
36-0	260TS040D*20	260 (10.2)	4-6	2	1328	17400	16400	18500	17500	21800	20500				
50-0	260TS040H*20		6-3		1495		15900		16900		19800				
60-0	260TS040L*20		7-6		1615										
36-0	260TS105D*20		4-6		1328							30500	28700	32700	30200
50-0	260TS105H*20		6-3		1495							26300	26300	26300	26300
60-0	260TS105L*20		7-6		1615										

BRONZE WHEELS (ACTUAL)

For Spans Thru (ft.-in.)	Catalog Number	Wheel Diameter mm (in.)	Wheel Base (ft.-in.)	HP Each Motor	Weight with Gearmotors (lbs.)	Max. Allowable ACTUAL Wheel Loads (lbs.), P									
						25#		30#		40#		60#		80#	
						100 fpm		100 fpm		100 fpm		100 fpm		100 fpm	
						Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D
36-0	115TS040D*07	115 (4.5)	4-6	0.75	448	5800	5200	6200	5600	7300	6500				
50-0	115TS040H*07		6-3		529	5600	5000	6000	5400	7000	6300				
60-0	115TS040L*07		7-6		588	5400	4800	5700	5100	6700	6000				
36-0	160TS040D*10	160 (6.3)	4-6	1	634	8900	7900	9400	8400	11100	9900				
50-0	160TS040H*10		6-3		748	8600	7700	9100	8200	10700	9600				
60-0	160TS040L*10		7-6		829	8300	7400	8800	7900	10400	9300				
36-0	160TS105D*10		4-6		634							14400	11400	14400	11400
50-0	160TS105H*10		6-3		748							13900	11000	13900	11000
60-0	160TS105L*10		7-6		829							11800	10600	11800	10600
36-0	200TS040D*15	200 (7.9)	4-6	1.5	926	11100	10400	11800	11100	13800	13000				
50-0	200TS040H*15		6-3		1076		10200		10800		12700				
60-0	200TS040L*15		7-6		1183	11000	9800	11600	10400	13700	12200				
36-0	200TS105D*15		4-6		926							19400	18200	20800	19500
50-0	200TS105H*15		6-3		1076							17800	20000	19100	
60-0	200TS105L*15		7-6		1183							19200	17100	20300	18300
36-0	260TS040D*20	260 (10.2)	4-6	2	1328	14400	13500	15300	14400	18000	16900				
50-0	260TS040H*20		6-3		1495		13100		13900		16400				
60-0	260TS040L*20		7-6		1615										
36-0	260TS105D*20		4-6		1328							25200	23700	27000	25400
50-0	260TS105H*20		6-3		1495							23000	26300	24600	
60-0	260TS105L*20		7-6		1615										

The Maximum Actual Wheel Load, P is calculated using the actual dead loads and live loads due to the crane and hoist and shall not exceed the Maximum Allowable Wheel Loads listed in the table. In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

- * Power Supply**
- 1 = 200/3/60
 - 2 = 208/3/60
 - 3 = 230/3/60
 - 4 = 460/3/60
 - 5 = 575/3/60
 - 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in

SINGLE GIRDER TOP RUNNING END TRUCKS

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard.
- For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing. 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

CAST IRON WHEELS (DURABILITY)

For Spans Thru (ft.-in.)	Catalog Number	Wheel Diameter mm (in.)	Wheel Base (ft.-in.)	HP Each Motor	Weight with Gearmotors (lbs.)	Max. Allowable DURABILITY Wheel Loads (lbs.), P									
						25#		30#		40#		60#		80#	
						100 fpm		100 fpm		100 fpm		100 fpm		100 fpm	
						Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D
36-0	115TS040D*07	115 (4.5)	4-6	0.75	448										
50-0	115TS040H*07		6-3		529	6200	6200	6600	6400	7300	6500				
60-0	115TS040L*07		7-6		588										
36-0	160TS040D*10	160 (6.3)	4-6	1	634										
50-0	160TS040H*10		6-3		748	8600	8600	9100	9100	10700	10200				
60-0	160TS040L*10		7-6		829					10400					
36-0	160TS105D*10		4-6		634							11500	10200	11500	10200
50-0	160TS105H*10		6-3		748							10400		10400	10200
60-0	160TS105L*10		7-6		829										
36-0	200TS040D*15	200 (7.9)	4-6	1.5	926										
50-0	200TS040H*15		6-3		1076	10700	10700	11400	11400	13400	13400				
60-0	200TS040L*15		7-6		1183										
36-0	200TS105D*15		4-6		926							18800	18800	20100	20100
50-0	200TS105H*15		6-3		1076										
60-0	200TS105L*15		7-6		1183							17000	17000	17000	17000
36-0	260TS040D*20	260 (10.2)	4-6	2	1328										
50-0	260TS040H*20		6-3		1495	14000	14000	14800	14800	17400	17400				
60-0	260TS040L*20		7-6		1615										
36-0	260TS105D*20		4-6		1328							24400	24400	26200	26200
50-0	260TS105H*20		6-3		1495										
60-0	260TS105L*20		7-6		1615							22000	22000	22000	22000

BRONZE WHEELS (DURABILITY)

For Spans Thru (ft.-in.)	Catalog Number	Wheel Diameter mm (in.)	Wheel Base (ft.-in.)	HP Each Motor	Weight with Gearmotors (lbs.)	Max. Allowable ACTUAL Wheel Loads (lbs.), P									
						25#		30#		40#		60#		80#	
						100 fpm		100 fpm		100 fpm		100 fpm		100 fpm	
						Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D	Class C	Class D
36-0	115TS040D*07	115 (4.5)	4-6	0.75	448										
50-0	115TS040H*07		6-3		529	5100	5100	5400	5400	6400	6400				
60-0	115TS040L*07		7-6		588										
36-0	160TS040D*10	160 (6.3)	4-6	1	634										
50-0	160TS040H*10		6-3		748	7100	7100	7500	7500	8900	8900				
60-0	160TS040L*10		7-6		829										
36-0	160TS105D*10		4-6		634							11500	10200	11500	10200
50-0	160TS105H*10		6-3		748							10100	10100	10100	10100
60-0	160TS105L*10		7-6		829										
36-0	200TS040D*15	200 (7.9)	4-6	1.5	926										
50-0	200TS040H*15		6-3		1076	8900	8900	9400	9400	11100	11100				
60-0	200TS040L*15		7-6		1183										
36-0	200TS105D*15		4-6		926							15500	15500	16600	16600
50-0	200TS105H*15		6-3		1076									16400	16400
60-0	200TS105L*15		7-6		1183										
36-0	260TS040D*20	260 (10.2)	4-6	2	1328										
50-0	260TS040H*20		6-3		1495	11500	11500	12200	12200	14400	14400				
60-0	260TS040L*20		7-6		1615										
36-0	260TS105D*20		4-6		1328							20200	20200	21600	21600
50-0	260TS105H*20		6-3		1495									21000	21000
60-0	260TS105L*20		7-6		1615										

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table. In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

- * Power Supply**
 1 = 200/3/60
 2 = 208/3/60
 3 = 230/3/60
 4 = 460/3/60
 5 = 575/3/60
 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
 160 mm = 534,000#/in
 200 mm = 917,000#/in
 260 mm = 1,187,000#/in

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard. For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing.
- 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

160 MM (6.3") WHEELS, 30#-40# RAIL

For Spans Thru (ft.-in.)	Wheel Base (ft.-in.)	Gage (ft.-in.)	ASCE Rail	Catalog Number	Wheel Diameter mm (in.)	Max. Allowable DURABILITY Wheel Load (lbs), Pe				HP Each Motor	Weight with Gearmotors (lbs.)						
						Cast Iron Wheels		Bronze Wheels - 225 Bhn									
						Class C	Class D	Class C	Class D								
52-6	7-6	4-6	30#	160TD040LD*10	160 (6.3")	9100	9100	7500	7500	1	858						
		5-0		160TD040LE*10													
63-0	9-0	4-6		160TD040PD*10							160 (6.3")	9100	9100	7500	7500	1	954
		5-0		160TD040PE*10													
		5-6		160TD040PF*10													
		6-0		160TD040PG*10													
		6-6		160TD040PJ*10													
		6-6		160TD040PT*10													
60-0	10-0	4-6		160TD040TE*10							160 (6.3")	9100	9100	7500	7500	1	1018
		5-0		160TD040TF*10													
		5-6		160TD040TG*10													
		6-0		160TD040TJ*10													
		6-6	160TD040TK*10														
		7-0	160TD040TL*10														
52-6	7-6	4-6	40#	160TD040LD*10	160 (6.3")	10700	10200	8900	8900	1	858						
		5-0		160TD040LE*10													
63-0	9-0	4-6		160TD040PD*10							160 (6.3")	10700	10200	8900	8900	1	954
		5-0		160TD040PE*10													
		5-6		160TD040PF*10													
		6-0		160TD040PG*10													
		6-6		160TD040PJ*10													
		6-6		160TD040PT*10													
60-0	10-0	4-6		160TD040TE*10							160 (6.3")	10700	10200	8900	8900	1	1018
		5-0		160TD040TF*10													
		5-6		160TD040TG*10													
		6-0		160TD040TJ*10													
		6-6	160TD040TK*10														
		7-0	160TD040TL*10														

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw1 as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table.

In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

*** Power Supply**

- 1 = 200/3/60
- 2 = 208/3/60
- 3 = 230/3/60
- 4 = 460/3/60
- 5 = 575/3/60
- 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard. For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing.
- 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

160 MM (6.3") WHEELS, 60#-80# RAIL

For Spans Thru (ft.-in.)	Wheel Base (ft.-in.)	Gage (ft.-in.)	ASCE Rail	Catalog Number	Wheel Diameter mm (in.)	Max. Allowable DURABILITY Wheel Load (lbs), Pe				HP Each Motor	Weight with Gearmotors (lbs.)					
						Cast Iron Wheels		Bronze Wheels - 225 Bhn								
						Class C	Class D	Class C	Class D							
52-6	7-6	4-6	60#	160TD0105LD*10	160 (6.3")	11500	10200	11500	10200	1	858					
		5-0		160TD105LE*10												
63-0	9-0	4-6		160TD105PD*10							11500	10200	11500	10200	1	954
		5-0		160TD105PE*10												
		5-6		160TD105PF*10												
		6-0		160TD105PG*10												
		6-6		160TD105PJ*10												
		6-6		160TD105TD*10												
60-0	10-0	4-6		160TD105TE*10							11500	10200	11500	10200	1	1018
		5-0		160TD105TF*10												
		5-6		160TD105TG*10												
		6-0		160TD105TJ*10												
		6-6	160TD105TK*10													
		7-0	160TD105TL*10													
52-6	7-6	4-6	80#	160TD0105LD*10	160 (6.3")	11500	10200	11500	10200	1	858					
		5-0		160TD105LE*10												
63-0	9-0	4-6		160TD105PD*10							11500	10200	11500	10200	1	954
		5-0		160TD105PE*10												
		5-6		160TD105PF*10												
		6-0		160TD105PG*10												
		6-6		160TD105PJ*10												
		6-6		160TD105TD*10												
60-0	10-0	4-6		160TD105TE*10							11500	10200	11500	10200	1	1018
		5-0		160TD105TF*10												
		5-6		160TD105TG*10												
		6-0		160TD105TJ*10												
		6-6	160TD105TK*10													
		7-0	160TD105TL*10													

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw1 as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table.

In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

*** Power Supply**

- 1 = 200/3/60
- 2 = 208/3/60
- 3 = 230/3/60
- 4 = 460/3/60
- 5 = 575/3/60
- 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard. For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing.
- 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

200 MM (7.9") WHEELS, 30#-40# RAIL

For Spans Thru (ft.-in.)	Wheel Base (ft.-in.)	Gage (ft.-in.)	ASCE Rail	Catalog Number	Wheel Diameter mm (in.)	Max. Allowable DURABILITY Wheel Load (lbs), Pe				HP Each Motor	Weight with Gearmotors (lbs.)
						Cast Iron Wheels		Bronze Wheels - 225 Bhn			
						Class C	Class D	Class C	Class D		
52-6	7-6	5-0	30#	200TD040LE*15	200 (7.9")	11400	11400	9400	9400	1.5	1220
63-0	9-0	5-0		200TD040PE*15							1334
		5-6		200TD040PF*15							
		6-0		200TD040PG*15							
		6-6		200TD040PG*15							
60-0	10-0	5-0		200TD040TE*15							1440
		5-6		200TD040TF*15							
		6-0		200TD040TG*15							
		6-6		200TD040TJ*15							
		7-0		200TD040TK*15							
7-6	200TD040TL*15										
52-6	7-6	5-0		40#							200TD040LE*15
63-0	9-0	5-0	200TD040PE*15		1334						
		5-6	200TD040PF*15								
		6-0	200TD040PG*15								
		6-6	200TD040PG*15								
60-0	10-0	5-0	200TD040TE*15		1440						
		5-6	200TD040TF*15								
		6-0	200TD040TG*15								
		6-6	200TD040TJ*15								
		7-0	200TD040TK*15								
7-6	200TD040TL*15										

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw1 as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table.

In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

*** Power Supply**

- 1 = 200/3/60
- 2 = 208/3/60
- 3 = 230/3/60
- 4 = 460/3/60
- 5 = 575/3/60
- 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard. For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing.
- 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

200 MM (7.9") WHEELS, 60#-80# RAIL

For Spans Thru (ft.-in.)	Wheel Base (ft.-in.)	Gage (ft.-in.)	ASCE Rail	Catalog Number	Wheel Diameter mm (in.)	Max. Allowable DURABILITY Wheel Load (lbs), Pe				HP Each Motor	Weight with Gearmotors (lbs.)
						Cast Iron Wheels		Bronze Wheels - 225 Bhn			
						Class C	Class D	Class C	Class D		
52-6	7-6	5-0	60#	200TD105LE*15	200 (7.9")	18800	18800	15500	15500	1.5	1220
63-0	9-0	5-0		200TD105PE*15							1334
		5-6		200TD105PF*15							
		6-0		200TD105PG*15							
		6-6		200TD105PG*15							
60-0	10-0	5-0		200TD105TE*15							1440
		5-6		200TD105TF*15							
		6-0		200TD105TG*15							
		6-6		200TD105TJ*15							
		7-0		200TD105TK*15							
7-6	200TD105TL*15										
52-6	7-6	5-0		80#							200TD105LE*15
63-0	9-0	5-0	200TD105PE*15		1334						
		5-6	200TD105PF*15								
		6-0	200TD105PG*15								
		6-6	200TD105PG*15								
60-0	10-0	5-0	200TD105TE*15		1440						
		5-6	200TD105TF*15								
		6-0	200TD105TG*15								
		6-6	200TD105TJ*15								
		7-0	200TD105TK*15								
7-6	200TD105TL*15										

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw1 as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table.

In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

*** Power Supply**

- 1 = 200/3/60
- 2 = 208/3/60
- 3 = 230/3/60
- 4 = 460/3/60
- 5 = 575/3/60
- 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard. For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing.
- 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

260 MM (10.2") WHEELS, 30#-80# RAIL WITH 2 HP MOTOR (100 FPM)

For Spans Thru (ft.-in.)	Wheel Base (ft.-in.)	Gage (ft.-in.)	ASCE Rail	Catalog Number	Wheel Diameter mm (in.)	Max. Allowable DURABILITY Wheel Load (lbs), Pe				HP Each Motor	Weight with Gearmotors (lbs.)
						Cast Iron Wheels		Bronze Wheels - 225 Bhn			
						Class C	Class D	Class C	Class D		
63-0	9-0	5-0	30#	260TD040PE*20	260 (10.2")	14800	14800	12200	12200	2	1828
		5-6		260TD040PF*20							
		6-0		260TD040PG*20							
70-0	10-0	5-0	30#	260TD040TE*20	260 (10.2")	14800	14800	12200	12200	2	1954
		5-6		260TD040TF*20							
		6-0		260TD040TG*20							
		6-6		260TD040TJ*20							
63-0	9-0	5-0	40#	260TD040TK*20	260 (10.2")	17400	17400	14400	14400	2	1828
		5-6		260TD040PE*20							
		6-0		260TD040PF*20							
70-0	10-0	5-0	40#	260TD040PG*20	260 (10.2")	17400	17400	14400	14400	2	1954
		5-6		260TD040TE*20							
		6-0		260TD040TF*20							
		6-6		260TD040TG*20							
63-0	9-0	5-0	60#	260TD040TJ*20	260 (10.2")	24400	24400	20200	20200	2	1828
		5-6		260TD105PE*20							
		6-0		260TD105PF*20							
70-0	10-0	5-0	60#	260TD105PG*20	260 (10.2")	24400	24400	20200	20200	2	1954
		5-6		260TD105TE*20							
		6-0		260TD105TF*20							
		6-6		260TD105TG*20							
63-0	9-0	5-0	80#	260TD105TK*20	260 (10.2")	26200	26200	21600	21600	2	1828
		5-6		260TD105PE*20							
		6-0		260TD105PF*20							
70-0	10-0	5-0	80#	260TD105PG*20	260 (10.2")	26200	26200	21600	21600	2	1954
		5-6		260TD105TE*20							
		6-0		260TD105TF*20							
		6-6		260TD105TG*20							
		7-0		260TD105TK*20							

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw1 as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table.

In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

*** Power Supply**

- 1 = 200/3/60
- 2 = 208/3/60
- 3 = 230/3/60
- 4 = 460/3/60
- 5 = 575/3/60
- 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in

DURABILITY WHEEL LOAD CHART

- The truck frame is manufactured from a single piece of ASTM A500 rectangular tube for maximum strength and minimum width.
- All trucks are provided with bolt on rail sweeps for ease of serviceability and cylindrical rubber bumpers mounted as standard.
- All wheels are flat tread design. Cast iron wheels are hardened to 300 - 350 BHN. Bronze wheels are 225 BHN. Wheels are suitable for operation on ASCE rail as standard. For square bar applications using 160 mm, 200 mm or 260 mm end trucks, please contact factory for pricing.
- 115 mm end trucks are not suitable for operation on square bar.
- Wheel bearings provide a minimum of 5,000 hours of L-10 bearing life for Class C service and 10,000 hours of L-10 life for Class D service.
- Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 74.

260 MM (10.2") WHEELS, 30#-80# RAIL WITH 3 HP MOTOR (150 FPM)

For Spans Thru (ft.-in.)	Wheel Base (ft.-in.)	Gage (ft.-in.)	ASCE Rail	Catalog Number	Wheel Diameter mm (in.)	Max. Allowable DURABILITY Wheel Load (lbs), Pe				HP Each Motor	Weight with Gearmotors (lbs.)
						Cast Iron Wheels		Bronze Wheels - 225 Bhn			
						Class C	Class D	Class C	Class D		
63-0	9-0	5-0	30#	260TD040PE*30	260 (10.2")	14800	14800	12200	12200	3	1842
		5-6		260TD040PF*30							
		6-0		260TD040PG*30							
70-0	10-0	5-0	30#	260TD040TE*30	260 (10.2")	14800	14800	12200	12200	3	1938
		5-6		260TD040TF*30							
		6-0		260TD040TG*30							
		6-6		260TD040TJ*30							
		7-0		260TD040TK*30							
63-0	9-0	5-0	40#	260TD040PE*30	260 (10.2")	17400	17400	14400	14400	3	1842
		5-6		260TD040PF*30							
		6-0		260TD040PG*30							
70-0	10-0	5-0	40#	260TD040TE*30	260 (10.2")	17400	17400	14400	14400	3	1938
		5-6		260TD040TF*30							
		6-0		260TD040TG*30							
		6-6		260TD040TJ*30							
		7-0		260TD040TK*30							
63-0	9-0	5-0	60#	260TD105PE*30	260 (10.2")	24400	24400	20200	20200	3	1842
		5-6		260TD105PF*30							
		6-0		260TD105PG*30							
70-0	10-0	5-0	60#	260TD105TE*30	260 (10.2")	24400	24400	20200	20200	3	1938
		5-6		260TD105TF*30							
		6-0		260TD105TG*30							
		6-6		260TD105TJ*30							
		7-0		260TD105TK*30							
63-0	9-0	5-0	80#	260TD105PE*30	260 (10.2")	26200	26200	21600	21600	3	1842
		5-6		260TD105PF*30							
		6-0		260TD105PG*30							
70-0	10-0	5-0	80#	260TD105TE*30	260 (10.2")	26200	26200	21600	21600	3	1938
		5-6		260TD105TF*30							
		6-0		260TD105TG*30							
		6-6		260TD105TJ*30							
		7-0		260TD105TK*30							

The Maximum Equivalent Durability Wheel Load, Pe is calculated by adjusting the maximum actual wheel load, P, with the bridge wheel load service coefficient, Kw1 as specified in CMAA Specification #74. Pe shall not exceed the maximum allowable durability wheel load listed in the table.

In some cases values in the table have been adjusted due to bearing life and bending moment considerations.

Values have been estimated based on end trucks being used as part of "plug & play" crane kits including Global King or World Series wire rope hoist built to FEM 2m / ASME H4 minimum design.

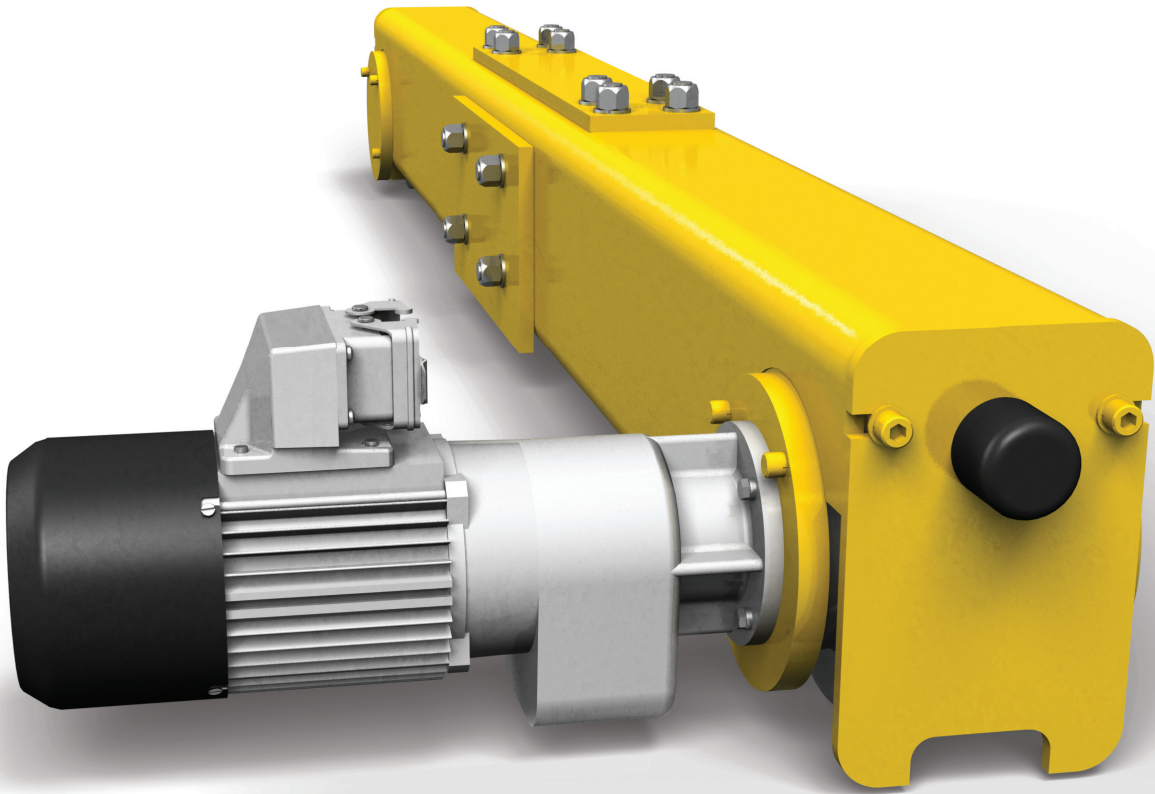
Verification of all truck selections using the CMCO CRANE ESTIMATOR is recommended to ensure optimum truck model for your specific application.

*** Power Supply**

- 1 = 200/3/60
- 2 = 208/3/60
- 3 = 230/3/60
- 4 = 460/3/60
- 5 = 575/3/60
- 6 = 380/3/50

ALLOWABLE BENDING MOMENT

- 115 mm = 332,000#/in
- 160 mm = 534,000#/in
- 200 mm = 917,000#/in
- 260 mm = 1,187,000#/in



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