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LODESTAR®
NEXT GENERATION



THE
CHOICE OF
PROFESSIONALS

LODESTAR®

NEXT GENERATION

The Benefits of Superior Design

LESS MAINTENANCE & EASIER INSPECTION

- Heavy Duty DC Brake is designed for a long service life. Brake location allows for quick access and easy inspection.
- Lifetime grease-lubricated Gear Box means no oil change out is required. Precision gears provide better wear and longer life.
- Clutch located outside the Gear Box allows for easy access which eliminates the need for complete disassembly and reduces downtime.

IMPROVED SERVICEABILITY

Easy access to the Clutch, Motor, Electrical Control Panel and Brake Assembly.

LONGER SERVICE LIFE

Lifetime grease-lubricated Gear Box and helical gearing ensures efficient operation. Heavy duty rated motors. Hoist workmanship backed by a lifetime warranty.

QUIETER OPERATION

80% reduction in sound pressure as compared to the classic Lodestar.

IMPROVED LOAD SAFETY

Clutch is located outside the load path which prevents slipping of the load in an overload condition when brake is not powered.

IMPROVED CHAIN LIFE

5 Pocket Lift Wheel provides better chain and lift wheel engagement for smoother lifting and reduced vibration — which equates to less wear and a longer chain life. Zinc plating to protect chain from environmental conditions.

EASY ACCESS CONTROL PANEL

With finger-safe wiring and plug and play connectors, the Control Panel allows for quick voltage change, access to terminal strips and simple fuse installation.

EXCEEDS H4 REQUIREMENTS

Lodestar exceeds H4 requirements, engineered for high duty cycles and the toughest applications.

ECO-FRIENDLY

Lifetime grease-lubricated Gear Box means no changing and disposing of hazardous oil. Documented RoHS compliance. Shipped in boxes made of recycled material.



STANDARD FEATURES

CAPACITIES: 1/8 TO 3 TONS

FABRIC CHAIN CONTAINER & RIGID HOOK SUSPENSION

Standard on every Lodestar

LIFETIME WARRANTY

The industry's best warranty against manufacturing and material defects.

METRIC RATED

CSA/US

National Recognized Testing Laboratory (NRTL)

MADE IN THE USA



OPTIONAL FEATURES

DOUBLE DC BRAKE

Two independent acting DC Brakes for redundant braking. Field Installation Kit available.

AC ELECTRIC BRAKE

VARIABLE SPEED DRIVE (VFD) OR TRADITIONAL 2 SPEEDS AVAILABLE

PRIMARY & SECONDARY TRANSFORMER FUSING

ROTATABLE LIMIT SWITCH

Designed for quick reset of limit position

BLACK PHOSPHATE OR STAINLESS STEEL LOAD CHAIN

METAL & STAINLESS STEEL CHAIN CONTAINERS



INTRODUCING THE NEXT GENERATION OF LODESTAR WITH CAPACITIES UP TO 3 TONS

Columbus McKinnon Corporation, the industry leader in quality lifting and positioning equipment for hoist operators around the globe, presents the new Lodestar.

Lodestar® – iconic in name and legendary in performance – is recognized as the standard in the overhead lifting industry. Generations of users have relied on the Lodestar electric chain hoist for consistent operation throughout its long service life. Now with exciting new features, it's sure to widen its appeal to the next generation of rigging professionals.

Made in the USA, the new Lodestar features quieter operation, an environment friendly design, easier access to key components, higher duty cycles, less maintenance, and enhanced safety features.

Available as individual units, in hoist/trolley combinations, or as integral components of complete lifting systems, the next generation of Lodestar takes lifting to new heights for professionals in any industry.

With a history of unsurpassed performance and over a million units sold, the next generation of Lodestar continues this legacy.

**UNSURPASSED
PERFORMANCE**

Key Components of the Lodestar

MOTOR

Both heavy duty and efficient, the Motor is designed to operate on power supplies worldwide. Standard Class F insulation and thermal motor protection.

HOUSING

Cast aluminum, lightweight housing covered with acid resistant powder coated paint for superior durability and protection against elements. Distinctive CM orange color allows for easy recognition after installation. The sealed drive shaft and standard weather-proofing gasket and seals provide the hoist with a NEMA 3R rating — suitable for outdoor use.

LIFT WHEEL

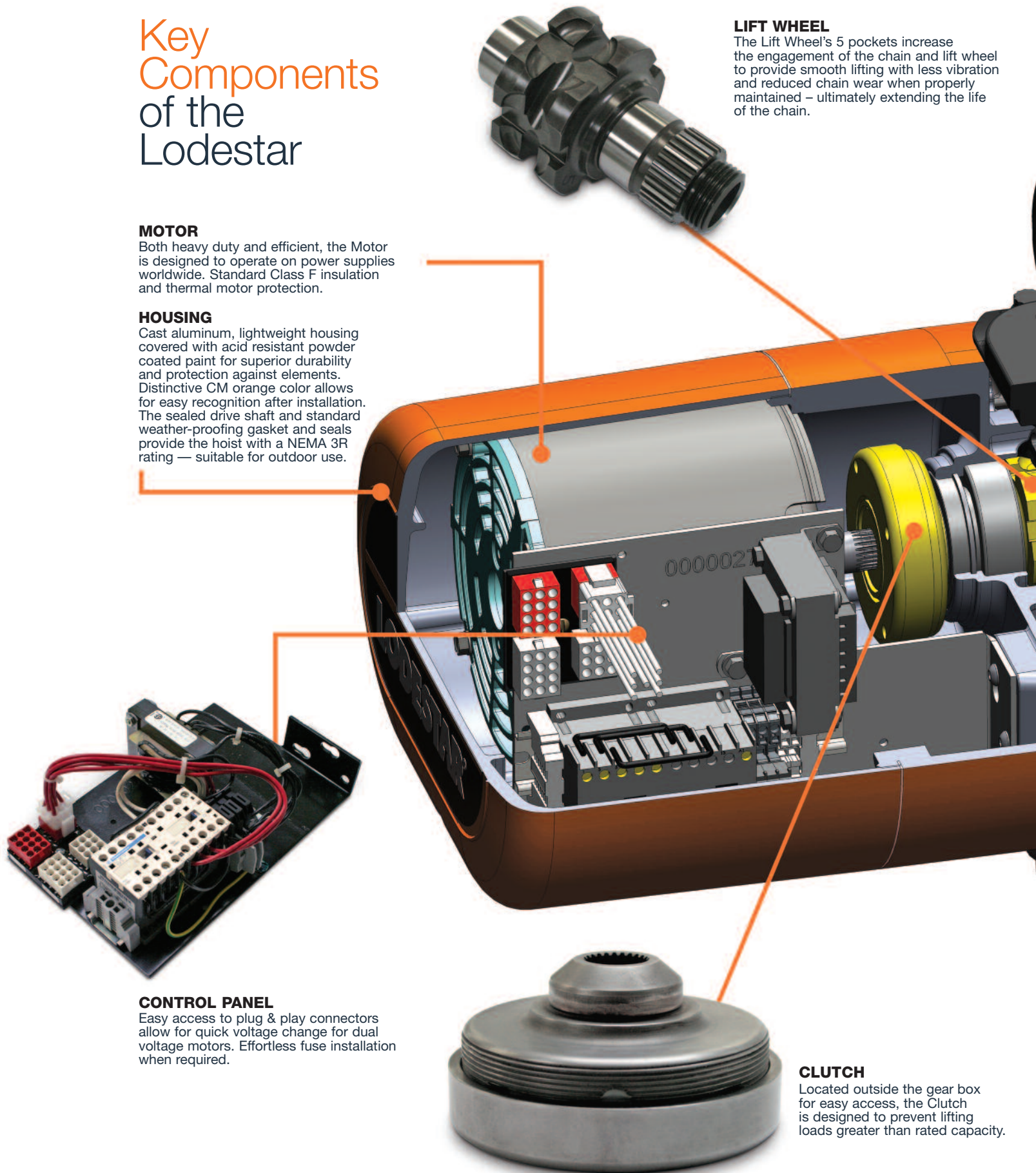
The Lift Wheel's 5 pockets increase the engagement of the chain and lift wheel to provide smooth lifting with less vibration and reduced chain wear when properly maintained — ultimately extending the life of the chain.

CONTROL PANEL

Easy access to plug & play connectors allow for quick voltage change for dual voltage motors. Effortless fuse installation when required.

CLUTCH

Located outside the gear box for easy access, the Clutch is designed to prevent lifting loads greater than rated capacity.



SUSPENSION

Rigid Upper Hook Suspension is standard on every Lodestar. Swivel hook optional. Push, hand-gear, and motorized trolley suspension optional.

GEAR BOX

Precision helical gearing is grease lubricated for quiet, smooth operation, and long service life.



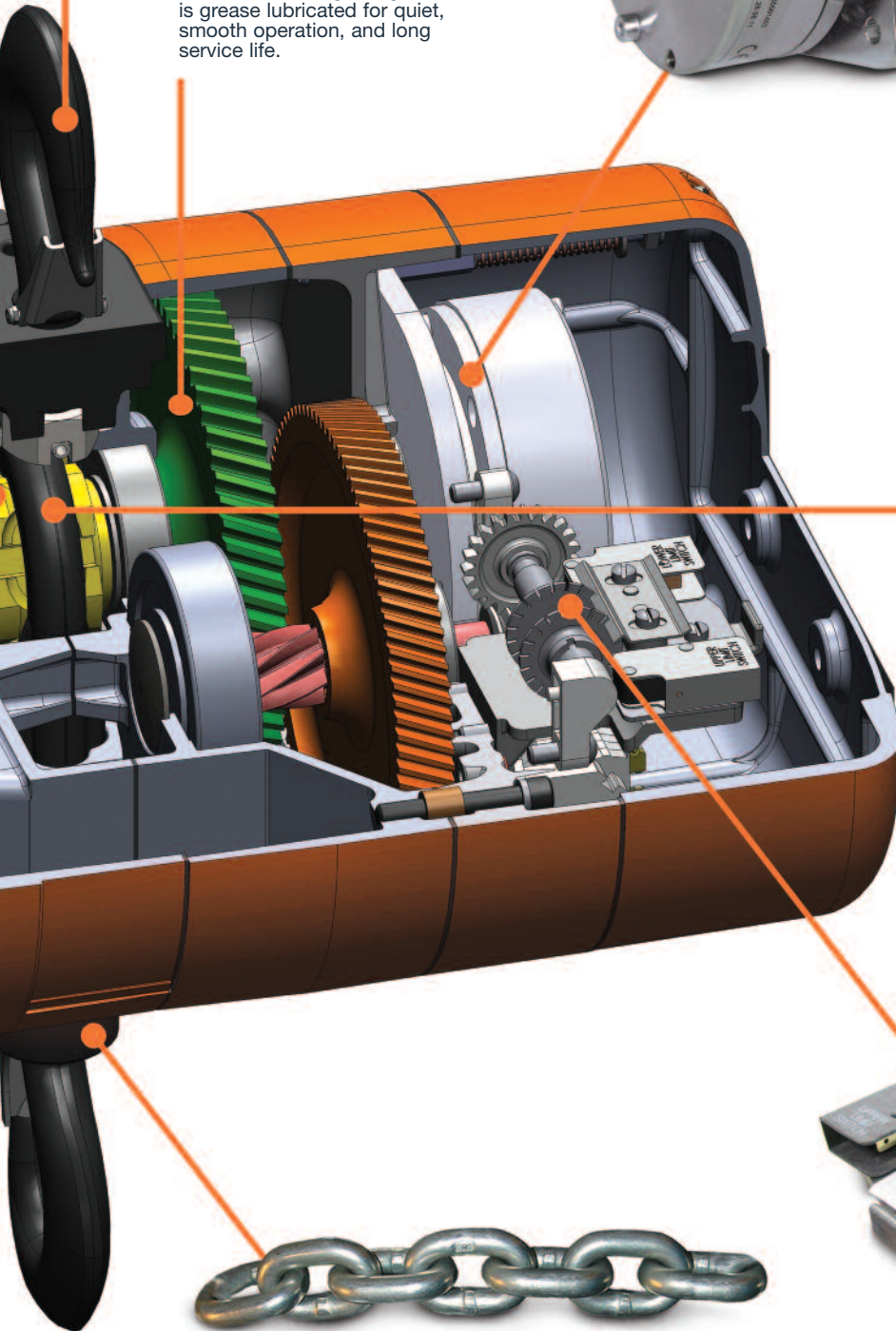
BRAKE

Heavy Duty DC Brake is standard. AC Brake and Double DC Brake are also available.



INTERNAL CHAIN GUIDE

The stamped steel Chain Guide, coated for corrosion resistance and quiet operation, keeps the load chain and liftwheel aligned during operation.

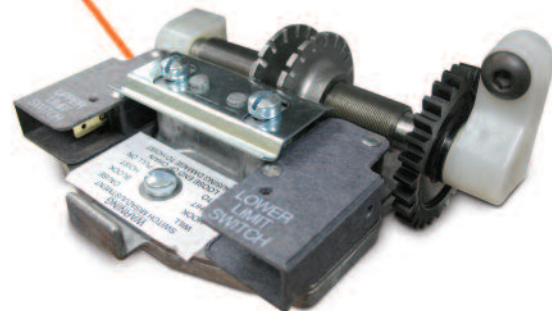


LOAD CHAIN & HOOK

Both the Hoistaloy® Load Chain and Forged Steel Hook are manufactured in the USA by Columbus McKinnon. This ensures full compatibility and the highest quality control standards are met at all times. Load Chain is zinc plated for protection against corrosion, and is 100% proof tested.

FABRIC CHAIN CONTAINER

Standard on every Lodestar



LIMIT SWITCH

Adjustable screw limit switch that automatically stops the hook at any predetermined point when either lifting or lowering. Limits are field-configurable and can be adjusted to the specific application.

Items to Consider When Selecting Powered Hoists and Trolleys

- Capacity (lbs., tons, or kg.)
- Lift (ft. or m)
- Lift speed (ft. / min.) (m / min.)
- Lifting medium (chain or wire rope)
- Power (electric, air, etc.)
- Power cord length
- Push button cord length
- Type of suspension
- Type of trolley
(manual, powered, plain, geared)
- Headroom requirements
- Beam size and type
- Trolley speed
- Trolley brake requirements
- Power Supply voltage
- Control voltage
- Single, two speed or variable speed
- Duty cycle requirements
- Special electrification needs
- Abnormal operating conditions
- Chain container

The Following are trademarks of Columbus McKinnon Corporation registered in the U.S. Patent and Trademark Office: **CM, AirStar, Apollo, Lodestar, Load Limiter, Powerstar, RailStar, ShopStar, Valustar.**

The following are trademarks of Columbus McKinnon Corporation: **ShopAir, LodeRail.**

Lodestar electric chain hoist

INTRODUCING THE NEXT GENERATION OF
LODESTAR WITH CAPACITIES OF UP TO 3 TONS.

STANDARD FEATURES

CAPACITIES: 1/8 TO 3 TONS

**FABRIC CHAIN CONTAINER
& RIGID HOOK SUSPENSION**
Standard on every Lodestar

LIFETIME WARRANTY

The industry's best warranty against manufacturing and material defects.

METRIC RATED

CSA/US
National Recognized
Testing Laboratory (NRTL)

MADE IN THE USA

SPECIFICATIONS

	Capacity (tons)	Product Code		Model	Hoist Lifting Speed (FPM)	Motor HP	Reeving	Weight (lbs.)	
		**Rigid Hook Suspension & Chain Container						115-1-60	230/460 3-60
		115-1-60	230/460 3-60						
Single Speed 10' Lift	1/8	2702NH	2705NH	A	32.0	1/4	1	54	60
	1/8	2712NH	2715NH	AA	60.0	1/2	1	67	64
	1/4	2722NH	2725NH	B	16.0	1/4	1	53	61
	1/4	2732NH	2735NH	C	32.0	1/2	1	61	64
	1/2	2742NH	2745NH	E	8.0	1/4	2	71	69
	1/2	2752NH	2755NH	F	16.0	1/2	1	61	65
	1/2	3512NH	3515NH	J	32.0	1	1	110	110
	1/2	-	3545NH	JJ	64.0	2	1	—	117
	1	2762NH	2765NH	H	8.0	1/2	2	72	73
	1	3522NH	3525NH	L	16.0	1	1	113	110
	1	-	3555NH	LL	32.0	2	1	—	117
	2	3532NH	3535NH	R	8.0	1	2	131	130
	2	-	3565NH	RR	16.0	2	2	—	135
	3	9501NH	9505NH	RT	5.5	1	3	158	158
	3	-	9508NH	RRT	11.0	2	3	—	162
Single Speed 15' Lift	1/8	3101NH	3103NH	A	32.0	1/4	1	59	64
	1/8	3111NH	3113NH	AA	60.0	1/2	1	67	79
	1/4	3121NH	3123NH	B	16.0	1/4	1	61	64
	1/4	3131NH	3133NH	C	32.0	1/2	1	66	75
	1/2	3141NH	3143NH	E	8.0	1/4	2	70	80
	1/2	3151NH	3153NH	F	16.0	1/2	1	67	72
	1/2	4212NH	4214NH	J	32.0	1	1	118	115
	1/2	-	4244NH	JJ	64.0	2	1	—	123
	1	3161NH	3163NH	H	8.0	1/2	2	80	85
	1	4222NH	4224NH	L	16.0	1	1	120	114
	1	-	4254NH	LL	32.0	2	1	—	122
	2	4232NH	4234NH	R	8.0	1	2	140	138
	2	-	4264NH	RR	16.0	2	2	—	144
	3	9502NH	9506NH	RT	5.5	1	3	174	171
	3	-	9509NH	RRT	11.0	2	3	—	176
Single Speed 20' Lift	1/8	3102NH	3104NH	A	32.0	1/4	1	64	68
	1/8	3112NH	3114NH	AA	60.0	1/2	1	72	74
	1/4	3122NH	3124NH	B	16.0	1/4	1	64	72
	1/4	3132NH	3134NH	C	32.0	1/2	1	69	76
	1/2	3142NH	3144NH	E	8.0	1/4	2	80	88
	1/2	3152NH	3154NH	F	16.0	1/2	1	71	76
	1/2	4213NH	4215NH	J	32.0	1	1	124	124
	1/2	-	4245NH	JJ	64.0	2	1	—	128
	1	3162NH	3164NH	H	8.0	1/2	2	86	90
	1	4223NH	4225NH	L	16.0	1	1	124	119
	1	-	4255NH	LL	32.0	2	1	—	127
	2	4233NH	4235NH	R	8.0	1	2	148	148
	2	-	4265NH	RR	16.0	2	2	—	156
	3	9503NH	9507NH	RT	5.5	1	3	187	184
	3	-	9510NH	RRT	11.0	2	3	—	194

Fabric Chain Containers included on all models for up to 20 ft. Lift

*Hoist only without suspension & chain container must be ordered through the configurator.

**Rigid hook suspension & fabric chain container are standard with hoist codes listed above.

When ordering, specify code number(s), model, capacity, beam size, power supply, suspension, lift, extra control cord or power cord, (if required) and type of electrification (if required).

CSA APPROVED†

† Hook Suspension models only.



OPTIONAL FEATURES

DOUBLE DC BRAKE

Two independent acting DC Brakes for redundant braking. Field Installation Kit available.

AC ELECTRIC BRAKE

VARIABLE SPEED DRIVE (VFD) OR TRADITIONAL 2 SPEEDS AVAILABLE

PRIMARY & SECONDARY TRANSFORMER FUSING

ROTATABLE LIMIT SWITCH

Designed for quick reset of limit position

BLACK PHOSPHATE OR STAINLESS STEEL LOAD CHAIN

METAL & STAINLESS STEEL CHAIN CONTAINERS

Lodestar electric chain hoist - Specifications

SPECIFICATIONS

	Capacity (tons)	Product Code		Model	Hoist Lifting Speed (FPM)	Motor HP	Reeving	Weight (lbs.)	
		**Rigid Hook Suspension & Chain Container						230-3-60	460-3-60
		230-3-60	460-3-60						
Two Speed 10' Lift	1/8	2707NH	2708NH	A2	10/32	1/4	1	67	73
	1/8	2717NH	2718NH	AA2	20/60	1/2	1	74	75
	1/4	2727NH	2728NH	B2	5/16	1/4	1	67	73
	1/4	2737NH	2738NH	C2	10/32	1/2	1	73	74
	1/2	2747NH	2748NH	E2	2.5/8	1/4	2	76	82
	1/2	2757NH	2758NH	F2	5/16	1/2	1	74	74
	1/2	3502NH	3503NH	J2	10/32	1	1	116	117
	1/2	3549NH	3550NH	JJ2	21/64	2	1	130	130
	1	2767NH	2768NH	H2	2.5/8	1/2	2	83	84
	1	3504NH	3505NH	L2	5/16	1	1	116	117
	1	3553NH	3554NH	LL2	10/32	2	1	130	131
	2	3506NH	3507NH	R2	2.5/8	1	2	134	135
	2	3561NH	3562NH	RR2	5/16	2	2	149	149
	3	9511NH	9513NH	RT2	1.75/5.5	1	3	161	176
3	9512NH	9514NH	RRT2	3.5/11	2	3	176	174	
Variable Frequency Drive	1/8***	2709NH	2710NH	A	32.0	1/4	1	65	65
	1/4***	2726NH	2729NH	B	16.0	1/4	1	65	65
	1/4***	2734NH	2736NH	C	32.0	1/2	1	65	65
3 - Step Infinitely Variable Control	1/2***	2730NH	2731NH	F	16.0	1/2	1	65	65
	1/2***	3635NH	3636NH	J	32.0	1	1	110	110
	1/2***	3642NH	3643NH	JJ	64.0	2	1	110	110
	1***	3625NH	3626NH	L	16.0	1	1	110	110
	1***	3644NH	3645NH	LL	32.0	2	1	110	110
6 to 1 Speed Ratio	2***	3632NH	3633NH	R	8.0	1	2	110	110
	2***	3646NH	3647NH	RR	16.0	2	2	110	110
10' Lift	3***	9531NH	9534NH	RT	5.5	1	2	110	110
	3***	9539NH	9540NH	RRT	11.0	2	2	110	110

Fabric Chain Containers included on all models for up to 20 ft. Lift

** Rigid hook suspension & fabric chain container are standard with hoist codes listed above.

*** Not CSA Approved.

Control Cord drop is 4 ft. less than Lift.

VFD units are factory set for 3-Step Infinitely Variable Control and include 3-Step Control Station and 115V interface card as standard.

CSA APPROVED†

† Hook Suspension models only.

HOIST SUSPENSIONS

	Product Code	Models	Weight (lbs.)
Rigid Hook**	2788NH	A-AA-B-C-F	2
	2789NH	E-H	4
	3651NH	J-L-JJ-LL	4
	3658NH	R-RR	8
	9559NH	RT-RRT	7
Rigid Latchlok Hook	2790NH	A-AA-B-C-F	3
	3652NH	J-L-JJ-LL	5
Swivel Hook	2792NH	A-AA-B-C-F	2
	2793NH	E-H	4
	3661NH	J-L-JJ-LL	4
	3660NH	R-RR	8
	9557NH	RT-RRT	7
Swivel Latchlok Hook	2796NH	A-AA-B-C-F	3
	3662NH	J-L-JJ-LL	5
	3663NH	R-RR	9
Rigid Lug for Low Headroom Trolley	2778NH	A-AA-B-C-F	2
	2779NH	E-H	3
	3677NH	J-L-JJ-LL	4
	3668NH	R-RR	6
	9561NH	RT-RRT	5
Rigid Lug for Motor Driven Trolley	2992NH	A-AA-B-C-F	2
	2993NH	E-H	3
	3679NH	J-L-JJ-LL	4
	3668NH	R-RR	6
	9561NH	RT-RRT	5



Less maintenance & easier inspection

- Heavy Duty DC Brake is designed for a long service life. Brake location allows for quick access and easy inspection.
- Lifetime grease-lubricated Gear Box means no oil change out is required. Precision gears provide better wear and longer life.
- Clutch located outside the Gear Box allows for easy access which eliminates the need for complete disassembly and reduces downtime.

Improved serviceability

- Easy access to the Clutch, Motor, Electrical Control Panel and Brake Assembly.

Longer service life

Lifetime grease-lubricated Gear Box and helical gearing ensures efficient operation. Heavy duty rated motors. Hoist workmanship backed by a lifetime warranty.

Quieter operation

80% reduction in sound pressure as compared to the classic Lodestar.

Improved load safety

Clutch is located outside the load path which prevents slipping of the load in an overload condition when brake is not powered.

Improved chain life

5 Pocket Lift Wheel provides better chain and lift wheel engagement for smoother lifting and reduced vibration — which equates to less wear and a longer chain life. Zinc plating to protect chain from environmental conditions.

Easy access control panel

With finger-safe wiring and plug and play connectors, the Control Panel allows for quick voltage change, access to terminal strips and simple fuse installation.

Exceeds H4 requirements

Lodestar exceeds H4 requirements, engineered for high duty cycles and the toughest applications.

Eco-friendly

Lifetime grease-lubricated Gear Box means no changing and disposing of hazardous oil. Documented RoHS compliance. Shipped in boxes made of recycled material.



LODESTAR®

ELECTRIC CHAIN HOIST

2-TON, SINGLE-REEVED

The CM® Lodestar® is now available as an economical 2-ton, single-reeved unit that's ideal for a variety of industrial lifting applications. And, because it's a single reeved unit, the design prevents the lower hook block from capsizing and damaging the hoist.

BENEFITS & FEATURES

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LONGER SERVICE LIFE

- Heavy-duty DC brake is designed for a long service life.
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EASY ACCESS CONTROL PANEL

Finger-safe wiring and plug-and-play connectors on the Control Panel allow for quick voltage change, easy access to terminal strips and simple fuse installation.

ZINC PLATED LOAD CHAIN

Designed and manufactured in the USA by Columbus McKinnon. 10 millimeter, zinc plated Star Grade load chain protects against corrosion.

ADJUSTABLE LIMIT SWITCH

Easy-to-adjust screw limit switch automatically stops the hook at any predetermined point when either lifting or lowering, preventing overtravel.

OVERLOAD PROTECTOR

Helps prevent lifting of dangerous overloads.

METRIC RATED

LIFETIME WARRANTY

The industry's best warranty against manufacturing and material defects.

FABRIC CHAIN CONTAINER

Standard up to 20 ft lift.

RIGID HOOK SUSPENSION



Lodestar electric chain hoist (2-ton, single-reeved)

THE CM® LODESTAR® IS NOW AVAILABLE AS AN ECONOMICAL 2-TON, SINGLE-REEVED UNIT THAT'S IDEAL FOR A VARIETY OF INDUSTRIAL LIFTING APPLICATIONS. AND, BECAUSE IT'S A SINGLE REEVED UNIT, THE DESIGN PREVENTS THE LOWER HOOK BLOCK FROM CAPSIZING AND DAMAGING THE HOIST.

STANDARD FEATURES

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- Heavy-duty rated motors.

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RIGID HOOK SUSPENSION



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VARIABLE SPEED DRIVE VFD

PRIMARY & SECONDARY TRANSFORMER FUSING

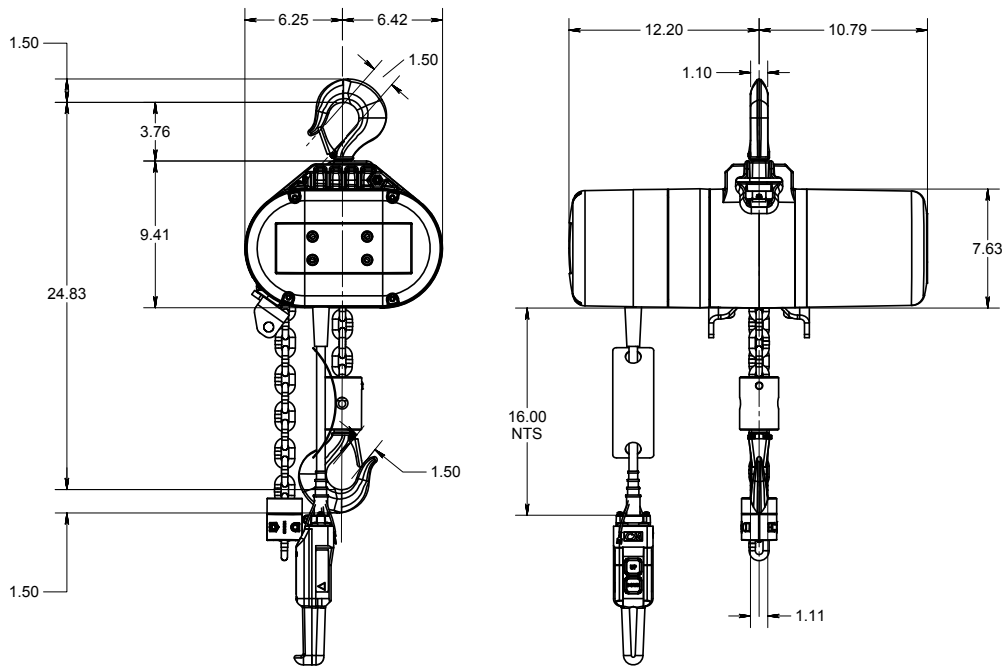
ROTATABLE LIMIT SWITCH

Designed for quick reset of limit position.

METAL CHAIN CONTAINERS



Lodestar electric chain hoist (2-ton, single-reeved) - Specifications



Dimensions (in inches) are RRS model CM Lodestar 2 Ton Single Reeved with Swivel Latch Type Hook Suspension.

For a complete list of dimensions for a specific model type/configuration, visit www.cmworks.com/Library/

SPECIFICATIONS

	Capacity (tons)	Voltage	Product Code**	Model	Hoist Lifting Speed (FPM)	Motor HP	Reeving	Weight (lbs.)
			**Rigid Hook Suspension & Chain Container					
Single Speed Less Chain	2 Ton	230/460-3-60	3565S1LC	RRS	16	2	1	141
Single Speed 10' Lift	2 Ton	230/460-3-60	3565S1	RRS	16	2	1	156
	2 Ton	575-3-60	9280S1	RRS	16	2	1	156
Single Speed 15' Lift	2 Ton	230/460-3-60	4264S1	RRS	16	2	1	164
Single Speed 20' Lift	2 Ton	230/460-3-60	4265S1	RRS	16	2	1	172
Variable Frequency Drive 10' Lift	2 Ton	230-3-60	3646S1	RRS	16	2	1	161
	2 Ton	460-3-60	3647S1	RRS	16	2	1	162

Fabric Chain Containers included on all models for up to 20 ft. Lift

*Hoist only without suspension & chain container must be ordered through the configurator.

**Rigid hook suspension & fabric chain container are standard with hoist codes listed above.

When ordering, specify code number(s), model, capacity, beam size, power supply, suspension, lift, extra control cord or power cord, (if required) and type of electrification (if required).

STAR GRADE LOAD CHAIN, BULK CHAIN

Product Code	Size	Finish	Feet per Drum
85960EN250	10 mm	Zinc Plated	250
85960EN500			500
85960EN1000			1000

CHAIN CONTAINERS

Fabric Chain Containers included on all New Lodestar models up to 20 ft. Lift

Product Code	+ Bucket Length (in.)	Weight (lbs.)	Maximum Length of Lift (ft.)
CANVAS			
10001562	10	4.0	20
10001568	13	4.1	30
10001569	16	4.2	40
10001570	18	4.3	50
10001571	20	4.4	60
METAL			
10001563	10	12.4	30
10001564	15	15.7	55
10001565	20	19.0	80
10001566	25	22.4	105
10001567	30	25.7	130

HOIST SUSPENSIONS

Type	Product Code	Use for Models	Weight (lbs.)
Swivel Hook	10001574	RRS	5.4
Rigid Hook**	10001573	RRS	5.6
	10001573X (cross mount)	RRS	5.6
Rigid Lug	10001577	RRS	3.6
	10001577X (cross mount)	RRS	3.6
Rigid Latchlok Hook	10001575	RRS	5.2
	10001575X (cross mount)	RRS	5.2
Swivel Latchlok Hook	10001576	RRS	5.0
Universal Trolley Lug	10001578	RRS	—
	10001578X (cross mount)	RRS	—

CSA APPROVED

Single speed hook suspended models are CSA Approved as standard. For trolley-mounted models, please contact your CMCO representative.

Classic Lodestar electric chain hoist

The balanced, integrated, proven design of the Lodestar has made it the most popular electric chain hoist in the industry. Lodestar gives you more value for your money including:

- Quick change voltage board-change from low voltage to high voltage by simply re-positioning receptacle
- Up to 3 ton capacities for heavy-duty industrial applications
- Gear train lifetime lubricated with non-oxidizing grease
- Precision machined and hardened lift-wheel with hardened chain guides for precise chain liftwheel fit
- Gearing designed for exceptionally long life and quiet operation
- H4 duty standard
- Rugged control station (NEMA 4X)
- Hoist duty motor, standard Protector overload device and standard adjustable screw type limit switches
- Hardened, forged steel, latch type hooks and Hoistaloy load chain for long, dependable service
- Zinc plated load chain standard
- Easy to install and maintain
- No special tools required to disassemble
- Lifetime warranty
- Each hoist thoroughly inspected and tested to over 125% of rated load prior to shipment
- Meets ASME B30.16
- Metric rated
- Made in U.S.A.



Special applications

- Harsh environment hoists available for severe duty of plating, galvanizing and washdown applications
- Hoists with climbing capability available for temporary rigging or lifting applications — must be used in inverted position only
- Hoists with creep control allow precise positioning through field adjustment within the time delay range of .05 sec. to 3 sec.
- Articulating suspension 3 ton only



Specifications — two speed

Rated capacity* (tons)	Standard lift (ft.)	Lift speed (F.P.M.)	Motor H.P.	Model	Reeving	Product code† less suspension		Approximate shipping weight (lbs.)
						230-3-60	460-3-60	
1/8	10	10/32	1/4	A2	1	2707	2708	70
	10	20/60	1/2	AA2	1	2717	2718	74
1/4	10	5/16	1/4	B2	1	2727	2728	70
	10	10/32	1/2	C2	1	2737	2738	74
1/2	10	2.5/8	1/4	E2	2	2747	2748	79
	10	5/16	1/2	F2	1	2757	2758	74
	10	10/32	1	J2	1	3502	3503	116
	10	21/64	2	JJ2	1	3549	3550	130
1	10	2.5/8	1/2	H2	2	2767	2768	83
	10	5/16	1	L2	1	3504	3505	116
	10	10/32	2	LL2	1	3553	3554	130
2	10	2.5/8	1	R2	2	3506	3507	136
	10	5/16	2	RR2	2	3561	3562	150
3	10	1.75/5.5	1	RT2	3	9511	9513	161
	10	3.5/11	2	RRT2	3	9512	9514	175

†Specify voltage 230 or 460

Classic Lodestar electric chain hoist - Specifications

Specifications — single speed

Rated capacity* (tons)	Standard lift (ft.)	Lift speed (F.P.M.)	Motor H.P.	Model	Reeving	Product code† less suspension		Approximate shipping weight (lbs.)
						115-1-60	230/460-3-60	
1/8	10	32	1/4	A	1	2702	2705	60
	10	60	1/2	AA	1	2712	2715	66
	15	32	1/4	A	1	3101	3103	64
	15	60	1/2	AA	1	3111	3113	70
	20	32	1/4	A	1	3102	3104	68
	20	60	1/2	AA	1	3112	3114	74
1/4	10	16	1/4	B	1	2722	2725	60
	10	32	1/2	C	1	2732	2735	66
	15	16	1/4	B	1	3121	3123	64
	15	32	1/2	C	1	3131	3133	70
	20	16	1/4	B	1	3122	3124	68
	20	32	1/2	C	1	3132	3134	74
1/2	10	8	1/4	E	2	2742	2745	69
	10	16	1/2	F	1	2752	2755	66
	10	32	1	J	1	3512	3515	110
	10	64	2	JJ	1	—	3545	117
	15	8	1/4	E	2	3141	3143	76
	15	16	1/2	F	1	3151	3153	70
	15	32	1	J	1	4212	4214	116
	15	64	2	JJ	1	—	4244	123
	20	8	1/4	E	2	3142	3144	83
	20	16	1/2	F	1	3152	3154	74
	20	32	1	J	1	4213	4215	121
	20	64	2	JJ	1	—	4245	128
1	10	8	1/2	H	2	2762	2765	75
	10	16	1	L	1	3522	3525	110
	10	32	2	LL	1	—	3555	117
	15	8	1/2	H	2	3161	3163	82
	15	16	1	L	1	4222	4224	116
	15	32	2	LL	1	—	4254	123
	20	8	1/2	H	2	3162	3164	89
	20	16	1	L	1	4223	4225	121
	20	32	2	LL	1	—	4255	128
2	10	8	1	R	2	3532	3535	130
	10	16	2	RR	2	—	3565	137
	15	8	1	R	2	4232	4234	140
	15	16	2	RR	2	—	4264	147
	20	8	1	R	2	4233	4235	150
	20	16	2	RR	2	—	4265	157
3	10	5.5	1	RT	3	9501	9505	155
	10	11	2	RRT	3	—	9508	162
	15	5.5	1	RT	3	9502	9506	169
	15	11	2	RRT	3	—	9509	176
	20	5.5	1	RT	3	9503	9507	183
	20	11	2	RRT	3	—	9510	190

†Single speed hoist factory wired 460V, convertible to 230V.

Classic Lodestar with hook suspension

Clearance dimensions (in.)

Dimension	Lodestar models					
	A,B,C,F and AA	E and H	J, L, JJ and LL	R	RR	RT and RRT
A	16 ¹ / ₄	19 ⁵ / ₈	18 ⁹ / ₁₆	24 ¹ / ₈	24 ¹ / ₈	29 ⁹ / ₁₆
B	6 ¹ / ₈	6 ¹ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈
C	1 ¹ / ₁₆	7 ⁷ / ₈	7 ⁷ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈
D	11	11	9 ¹ / ₂	9 ¹ / ₂	9 ¹ / ₂	9 ¹ / ₂
F	7 ³ / ₄	7 ³ / ₄	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆
H	1	1 ³ / ₁₆	1 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂
I	4 ¹³ / ₁₆	3 ⁷ / ₈	7 ¹ / ₄	6 ³ / ₁₆	6 ³ / ₁₆	6 ³ / ₁₆
J	3 ¹⁵ / ₁₆	4 ⁷ / ₈	5 ⁷ / ₁₆	6 ¹ / ₂	6 ¹ / ₂	6 ¹ / ₂
L	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆
M	1	1 ¹ / ₈	1 ¹ / ₈	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆
P	6 ⁵ / ₈	6 ⁹ / ₁₆	7 ¹³ / ₁₆	7 ¹³ / ₁₆	7 ¹³ / ₁₆	7 ¹³ / ₁₆
R*	9 ⁷ / ₈	12 ⁷ / ₈	12 ⁷ / ₈	18 ⁷ / ₈	18 ⁷ / ₈	24 ⁷ / ₈
AP	9 ¹ / ₄	9 ⁹ / ₁₆	10 ¹¹ / ₁₆	11 ³ / ₁₆	11 ³ / ₁₆	12 ⁹ / ₁₆

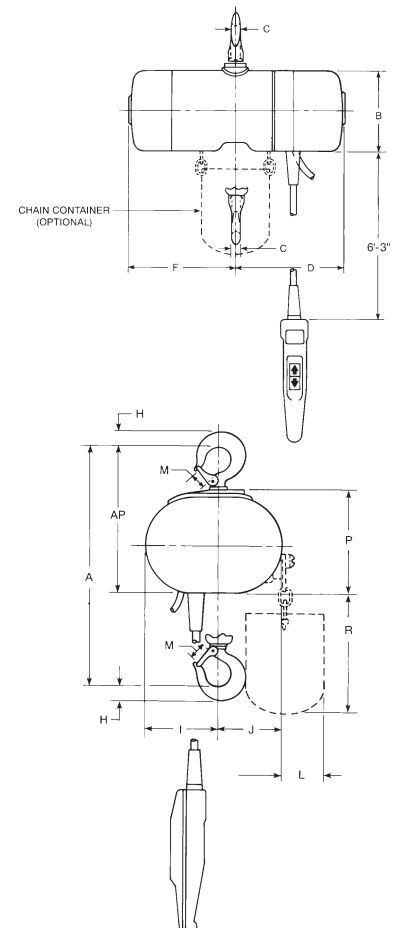
* Based on 10 ft. lift and increases proportionately with longer lifts



Suspension specifications

Type	Product code	Models
Swivel hook	2792	A-AA-B-C-F
Swivel hook	2793	E-H
Swivel hook	3661	J-L-JJ-LL
Swivel hook	3660	R-RR
Swivel hook	9557	RT-RRT
Swivel latchlok hook	2796	A-AA-B-C-F
Swivel latchlok hook	3662	J-L-JJ-LL
Swivel latchlok hook	3663	R-RR
Rigid lug for low head trolley	2778	A-AA-B-C-F
Rigid lug for low head trolley	2779	E-H
Rigid lug for low head trolley	3677	J-L-JJ-LL
Rigid lug for low head trolley	3668	R-RR
Rigid lug for low head trolley	9561	RT-RRT
Rigid hook	2788	A-AA-B-C-F
Rigid hook	2789	E-H
Rigid hook	3651	J-L-JJ-LL
Rigid hook	3658	R-RR
Rigid hook	9559	RT-RRT
Rigid latchlok hook	2790	A-AA-B-C-F
Rigid latchlok hook	3652	J-L-JJ-LL

Note: 3 ton lug suspension prevents hoist from rotating but allows hoist to articulate below trolley



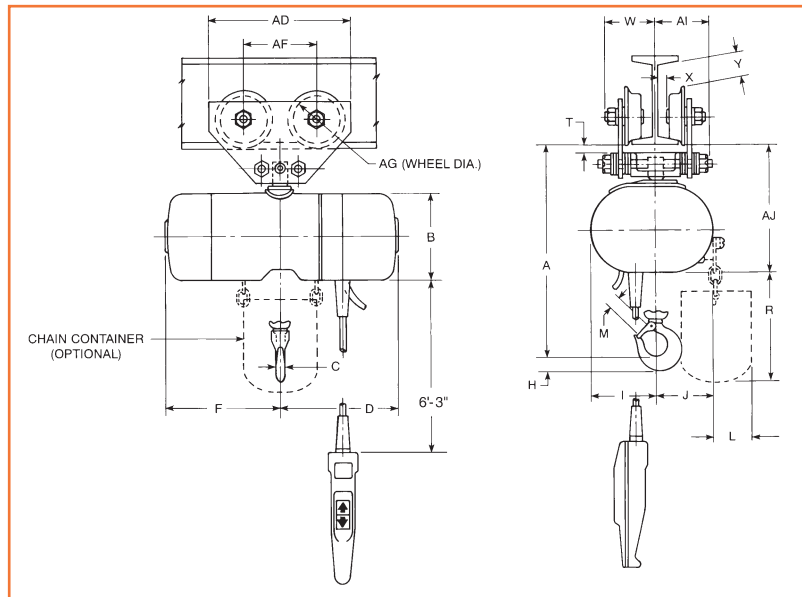
*WARNING

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating capacity
- Do not use to lift people or loads over people.
- use only alloy chain for overhead lifting.
- Read and follow all instructions.

Classic Lodestar with Series 635 low headroom trolley



Clearance dimensions (in.)

Dimension	Lodestar models					
	A,B,C,F and AA	E and H	J, L, JJ and LL	R	RR	RT and RRT
A	16 ⁵ / ₁₆	19 ¹ / ₄	18 ¹ / ₄	23 ³ / ₄	23 ³ / ₄	30 ¹ / ₈
B	6 ¹ / ₈	6 ¹ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈
C	1 ¹ / ₁₆	7 ⁷ / ₈	7 ⁷ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈
D	11	11	9 ¹ / ₂	9 ¹ / ₂	9 ¹ / ₂	9 ¹ / ₂
F	7 ³ / ₄	7 ³ / ₄	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆
H	1	1 ³ / ₁₆	1 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂
I	4 ¹³ / ₁₆	3 ⁷ / ₈	7 ¹ / ₄	6 ³ / ₁₆	6 ³ / ₁₆	6 ³ / ₁₆
J	3 ¹⁵ / ₁₆	4 ⁷ / ₈	5 ⁷ / ₁₆	6 ¹ / ₂	6 ¹ / ₂	6 ¹ / ₂
L	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆
M	1	1 ¹ / ₈	1 ¹ / ₈	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆
R†	9 ⁷ / ₈	12 ⁷ / ₈	12 ⁷ / ₈	18 ⁷ / ₈	18 ⁷ / ₈	24 ⁷ / ₈
T	1 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	7 ⁷ / ₈	7 ⁷ / ₈	5 ⁵ / ₁₆
W	3	3	3	3 ⁵ / ₈	3 ⁵ / ₈	4 ¹ / ₈
X	5 ⁵ / ₁₆	5 ⁵ / ₁₆	5 ⁵ / ₁₆	1 ¹ / ₂	1 ¹ / ₂	9 ⁹ / ₁₆
Y	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	3 ³ / ₁₆	3 ³ / ₁₆	2 ⁵ / ₈
AD	9 ³ / ₄	9 ³ / ₄	9 ³ / ₄	13	13	12 ¹ / ₂
AF	5	5	5	6	6	6
AG	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈	4 ³ / ₄	4 ³ / ₄	4
AI	4 ⁵ / ₈	4 ⁵ / ₈	4 ⁵ / ₈	5	5	5 ¹ / ₂
AJ	9 ³ / ₁₆	9 ³ / ₁₆	10 ³ / ₈	10 ¹³ / ₁₆	10 ¹³ / ₁₆	13 ¹ / ₈

† Based on 10 ft. lift and increases proportionately with longer lifts

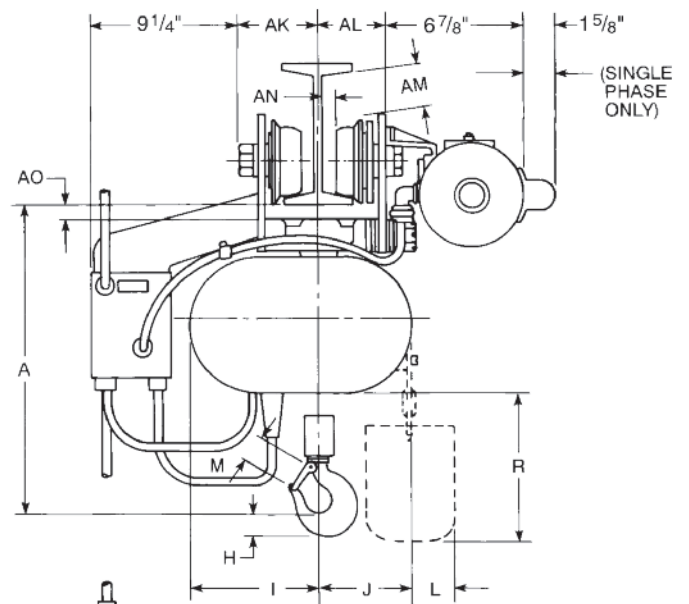
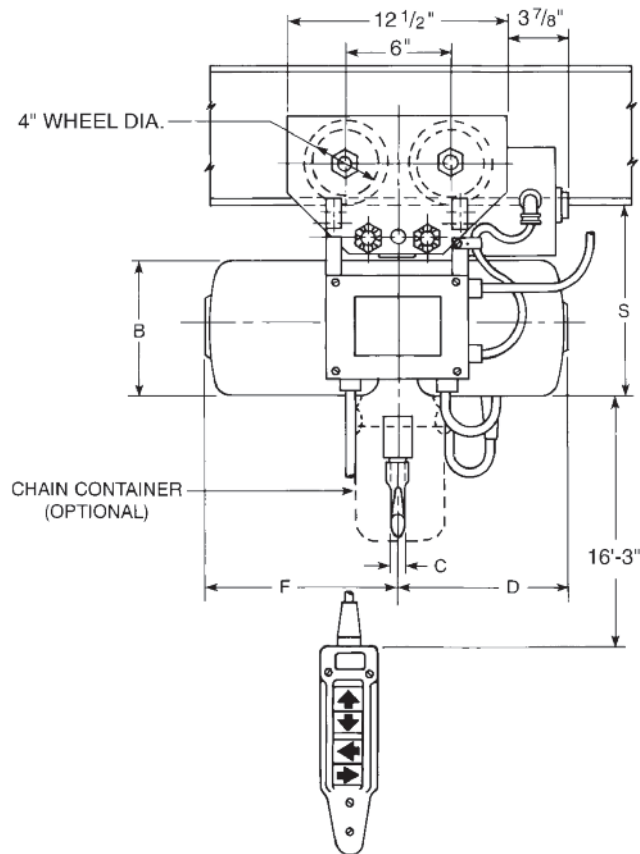
Dimensions T, W, X, Y, AI, and AJ are based on minimum beams and will vary proportionately for larger beams. 6'-3" drop of control station is for 10 foot lift hoist and increases proportionately for longer lifts.

Specifications For Series 635 Trolley

Rated capacity* (tons)	Product code	Models	Std. range of adjust. Am. standard S-beams		Tread diameter (in.)	Minimum radius curve (in.)	Approximate shipping weight (lbs.)
			Depth (in.)	Flange width (in.)			
1/8 to 1	3575	A – LL	4 – 15	2 ⁵ / ₈ – 5 ⁵ / ₈	3 ¹ / ₈	24	22
2	3569	R – RR	6 – 18	3 ³ / ₈ – 6	4 ³ / ₄	24	52
3	9576	RT – RRT	8 – 15	4 – 5 ⁵ / ₈	4 ³ / ₄	30	58

Note: Rigid lug suspension required for attaching to hoist. Apply for other than standard beam adjustment. Beam end stop omitted for picture clarity

Classic Lodestar with Series 635 motor driven trolley



***WARNING**

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating capacity
- Do not use to lift people or loads over people.
- use only alloy chain for overhead lifting.
- Read and follow all instructions.



Classic Lodestar with Series 635 motor driven trolley-Specifications

Clearance dimensions (in.)

Dimension	Lodestar models†					
	A,B,C,F and AA	E and H	J, L, JJ and LL	R	RR	RT and RRT
A	16 ¹³ / ₁₆	19 ³ / ₄	18 ¹ / ₂	23 ³ / ₄	23 ³ / ₄	30 ¹ / ₈
B	6 ¹ / ₈	6 ¹ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈
C	1 ¹ / ₁₆	7 ⁷ / ₈	7 ⁷ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈
D	11	11	9 ¹ / ₂	9 ¹ / ₂	9 ¹ / ₂	9 ¹ / ₂
F	7 ³ / ₄	7 ³ / ₄	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆	10 ¹¹ / ₁₆
H	1	1 ³ / ₁₆	1 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂
I	4 ¹³ / ₁₆	3 ⁷ / ₈	7 ¹ / ₄	6 ³ / ₁₆	6 ³ / ₁₆	6 ³ / ₁₆
J	3 ¹⁵ / ₁₆	4 ⁷ / ₈	5 ⁷ / ₁₆	6 ¹ / ₂	6 ¹ / ₂	6 ¹ / ₂
L	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆	7 ⁷ / ₁₆
M	1	1 ¹ / ₈	1 ¹ / ₈	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆
R**	9 ⁷ / ₈	12 ⁷ / ₈	12 ⁷ / ₈	18 ⁷ / ₈	18 ⁷ / ₈	24 ⁷ / ₈
S	9 ¹¹ / ₁₆	9 ¹¹ / ₁₆	10 ⁵ / ₈	10 ¹³ / ₁₆	10 ¹³ / ₁₆	13 ¹ / ₈
AK	3 ³ / ₄	3 ³ / ₄	3 ³ / ₄	3 ³ / ₄	3 ³ / ₄	4 ¹ / ₄
AL	3 ¹ / ₄	3 ¹ / ₄	3 ¹ / ₄	3 ¹ / ₄	3 ¹ / ₄	3 ³ / ₄
AM	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	2 ⁵ / ₈
AN	5 ⁵ / ₁₆	5 ⁵ / ₁₆	5 ⁵ / ₁₆	5 ⁵ / ₁₆	5 ⁵ / ₁₆	9 ¹ / ₁₆
AO	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	1

** Based on 10 ft. lift and increases proportionately with longer lifts

Dimensions S, AK, AL, AM, and AO are based on minimum beams and will vary proportionately for larger beams. 16'-3" drop of control station is for 20 foot lift hoist.

† Note: Rigid lug suspension required for attaching to hoist.

Suspension specifications

Type	Product code	Models
Rigid lug for motor driven trolley	2992	A-AA-B-C-F
Rigid lug for motor driven trolley	2993	E-H
Rigid lug for motor driven trolley	3679	J-L-JJ-LL
Rigid lug for motor driven trolley	3668	R-RR
Rigid lug for motor driven trolley	9561	RT-RRT

Note: Beam end stop omitted for picture clarity

Specifications — motor driven trolley

Rated capacity* (tons)	Product code	For use with model	Power supply	Standard travel speed (F.P.M.)	Motor H.P.	Std. range of adj. Am. std. S-beams		Minimum radius curve (in.)	Approx. shipping weight (lbs.)
						Depth (in.)	Flange width (in.)		
1/8 - 2	3670	A-RR	115-1-60	75	1/4	6 - 15	3 ³ / ₈ - 5 ⁵ / ₈	30	118
1/8 - 2	3671	A-RR	230-3-60	75	1/4	6 - 15	3 ³ / ₈ - 5 ⁵ / ₈	30	118
1/8 - 2	3672	A-RR	460-3-60	75	1/4	6 - 15	3 ³ / ₈ - 5 ⁵ / ₈	30	118
3	9577	RT-RRT	115-1-60	75	1/4	8 - 15	4 - 5 ⁵ / ₈	30	120
3	9578	RT-RRT	230-3-60	75	1/4	8 - 15	4 - 5 ⁵ / ₈	30	120
3	9579	RT-RRT	460-3-60	75	1/4	8 - 15	4 - 5 ⁵ / ₈	30	120
1/8 - 2	9315	A-RR	115-1-60	30	1/4	6 - 15	3 ³ / ₈ - 5 ⁵ / ₈	30	113
1/8 - 2	9316	A-RR	230-3-60	30	1/4	6 - 15	3 ³ / ₈ - 5 ⁵ / ₈	30	113
1/8 - 2	9317	A-RR	460-3-60	30	1/4	6 - 15	3 ³ / ₈ - 5 ⁵ / ₈	30	113
3	9318	RT-RRT	115-1-60	30	1/4	8 - 15	4 - 5 ⁵ / ₈	30	120
3	9319	RT-RRT	230-3-60	30	1/4	8 - 15	4 - 5 ⁵ / ₈	30	120
3	9320	RT-RRT	460-3-60	30	1/4	8 - 15	4 - 5 ⁵ / ₈	30	120

Can be modified to fit larger beams.
Flat tread wheel available.

Beam size and voltage required for ordering.

Apply for other than standard travel speeds.



Classic Lodestar chain container

Metal chain containers (complete)

Made in
U.S.A.

Maximum length of lift (ft.)

Product code	†Bucket length (in)	Bucket diameter (in)	Approx. shipping wgt.(lbs.)	Models A,AA,B C&F	Models E&H	Models J,JJ,L&LL	Models R & RR	Models RT & RRT
2450	8	5	4	10	–	–	–	–
2451	11	5	5	20	10	10	–	–
2452	14	5	5	30	15	15	–	–
2453	17	5	6	40	20	20	10	–
2454	20	5	7	50	25	25	–	–
2455	23	5	7	60	30	30	15	10
2456	31	5	9	90	45	40	20	–
2457	36	5	10	100	50	60	30	20
2458	48	5	13	140	*70	90	45	30
2461	10	10	13	44	22	20	14	9
2463	15	10	15	104	52	66	33	2210
2464	20	10	17	166	83	106	53	35
2465	25	10	20	230	115	144	72	48
2466	30	10	23	290	145	150	90	60

For lifts greater than listed (special)...apply.

† Advise if bucket length causes headroom problems, larger diameter shorter length buckets available.

* E & H limit switch maximum is 60 ft.

When ordering, specify code number(s), model, capacity, beam size, power supply, suspension, lift, extra control cord or power cord (if required) and type of electrification (if required).

- Convenient for slack chain storage
- Simple one pin attachment for easy installation
- Security cable included
- Available for every Lodestar and Valustar model
- Made in U.S.A.

Fabric chain bag

CM's chain bags offer an alternative to the standard metal chain container for use with Lodestar or Valustar electric chain hoists. Chain bags are made from an open weave vinyl coated polyester designed especially for extended outdoor life. Not recommended for applications over 300°F, in extremely caustic environments or for chain weight exceeding 300 lbs.Features include:

- Flexible and lightweight material
- Dampens noise
- Will not hold water
- Excellent resistance to ultraviolet rays, mildew stains, rot and weather
- Moisture resistant - quick drying
- High tensile and tear strength
- Abrasion resistant
- No shrinkage
- Bags and brackets are suitable for chain weights up to 300 pounds
- Made in U.S.A.



Specifications

Product code	Maximum length of lift (ft.)					Bag size (in.)	Bag height (in.)	Approx. weight (lbs.)
	Models A-AA-B-C-F WB-WF	Models E-H WH-WE	Models J,JJ,L,LL WL-WJ	Models R,RR WR	Models RT,RRT			
2470	20	10	–	–	–	7½ x 7½	7	3
2471	40	20	–	–	–	7½ x 7½	10	3
2472	60	30	–	–	–	7½ x 7½	13	3
2473	90	45	–	–	–	7½ x 7½	16	4
2474	100	60	–	–	–	7½ x 7½	18	4
2475	140	90	–	–	–	7½ x 7½	20	4
2476	–	–	10	–	–	7½ x 7½	7	3
2477	–	–	20	10	–	7½ x 7½	10	3
2478	–	–	30	15	10	7½ x 7½	13	3
2479	–	–	45	20	–	7½ x 7½	16	4
2480	–	–	60	30	20	7½ x 7½	18	4
2481	–	–	90	45	30	7½ x 7½	20	4

Lodestar XL electric chain hoist

Columbus McKinnon offers the Lodestar XL electric chain hoists for lifting applications from 2 to 7½ tons. The heavy-duty hoist features faster speeds, less reeving, and higher capacities than traditional chain hoists. Workers in automotive plants, heavy equipment manufacturing, paper mills, and related rugged work environments will experience the same dependability and versatility that they have relied on for many years.

The NEW features of the Lodestar XL Electric Chain Hoist include:

- Lifting capacities up to 7½ tons
- Increased lifting speeds throughout the line
- Double reeved units with 3-5 ton lifting capacities
- Maximum lifting speed of 30 feet per minute



A glimpse of the many features of the Lodestar XL that have honed its reputation for durability and long life:

- Heavy-duty, multiple disc braking system
- Forged ten-pocket oblique-lay liftwheel for smooth chain operation, constant chain speed, and reduced chain wear
- Gearing operated in oil bath for increased lifting life and quiet operation
- Rated H-4, heavy-duty
- Standard overload protector
- Adjustable screw-type limit switches
- Thermally protected motor
- Factory tested at 125% of rated capacity
- Made in U.S.A.
- Lifetime warranty

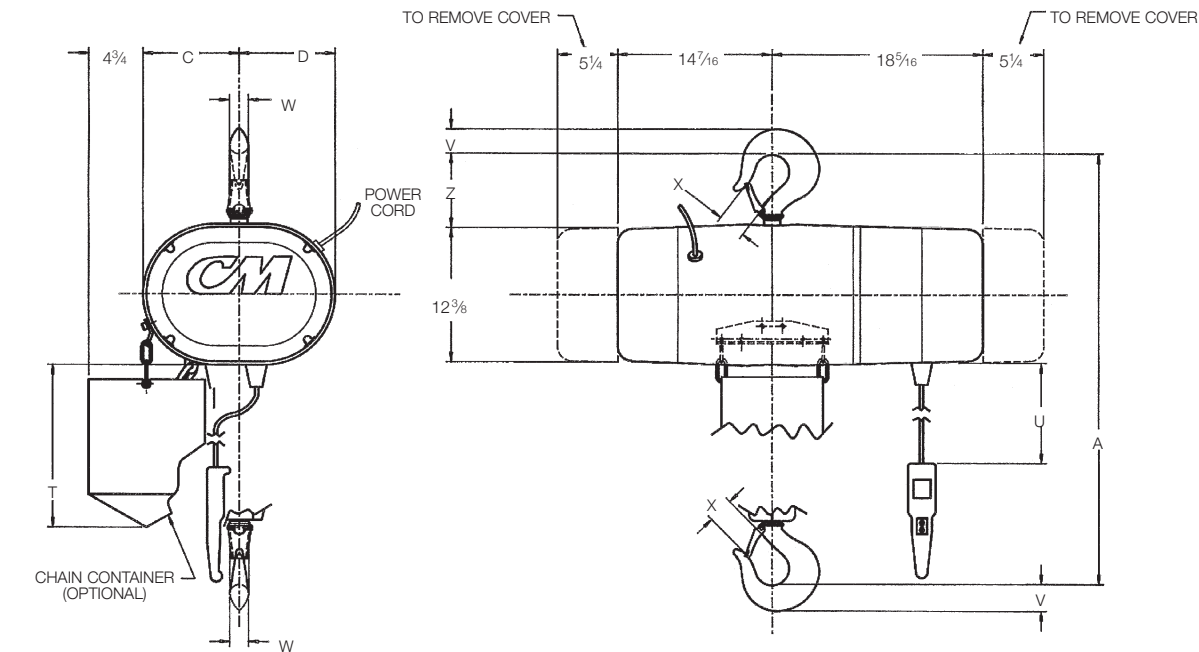


230/460-3-60							575-3-60			
Capacity (tons)	Reeving	Speed (fpm)	Hook	Plain Trolley	Geared Trolley	Motor Driven Trolley	Hook	Plain Trolley	Geared Trolley	Motor Driven Trolley
2	1	18	5201H	5201P	5201G	5201M	5231H	5231P	5231G	5231M
2	1	24	5204H	5204P	5204G	5204M	5232H	5232P	5232G	5232M
2	1	30	5265H	5265P	5265G	5265M	5266H	5266P	5266G	5266M
3	2	9	5209H	5209P	5209G	5209M	5233H	5233P	5233G	5233M
3	2	12	5212H	5212P	5212G	5212M	5234H	5234P	5234G	5234M
3	2	15	5267H	5267P	5267G	5267M	5268H	5268P	5268G	5268M
4	2	9	5215H	5215P	5215G	5215M	5235H	5235P	5235G	5235M
4	2	12	5218H	5218P	5218G	5218M	5236H	5236P	5236G	5236M
4	2	15	5269H	5269P	5269G	5269M	5278H	5278P	5278G	5278M
5	3	6	5221H	5221P	5221G	5221M	5237H	5237P	5237G	5237M
5	3	8	5224H	5224P	5224G	5224M	5238H	5238P	5238G	5238M
5	2	9	5279H	5279P	5279G	5279M	5280H	5280P	5280G	5280M
5	2	12	5283H	5283P	5283G	5283M	5284H	5284P	5284G	5284M
5	2	15	5285H	5285P	5285G	5285M	5286H	5286P	5286G	5286M
6	3	6	5227H	5227P	5227G	5227M	5239H	5239P	5239G	5239M
6	3	8	5230H	5230P	5230G	5230M	5240H	5240P	5240G	5240M
6	3	10	5287H	5287P	5287G	5287M	5288H	5288P	5288G	5288M
7½	3	6	—	5289P	5289G	5289M	—	5290P	5290G	5290M
7½	3	10	—	5291P	5291G	5291M	—	5292P	5292G	5292M

3.5 H.P. XL Models (unshaded) – Available in single speed, 3:1; two speed, variable speed

5.5 H.P. XL Models (shaded) – Available in single speed, variable speed

Lodestar XL with hook suspension



Clearance dimensions (in.)

Dimensions	Single Reeved 2 ton capacity	Double Reeved 3-5 ton capacity	Triple Reeved 5-6 ton capacity
A	25	35 5/16	36 3/16
C	8 7/16	11 3/8	11 3/8
D	8 1/8	5 1/2	5 1/2
T (based on 10 ft. lift)	14 3/16	14 3/16	14 3/16
U (based on 10 ft. lift)	6'- 3"	6'- 3"	6'- 3"
V	1 1/2	2 1/4	2 1/4
W	1 1/8	1 5/8	1 5/8
X	1 5/16	2 1/16	2 1/16
Z	4 1/8	5 1/2	5 1/2



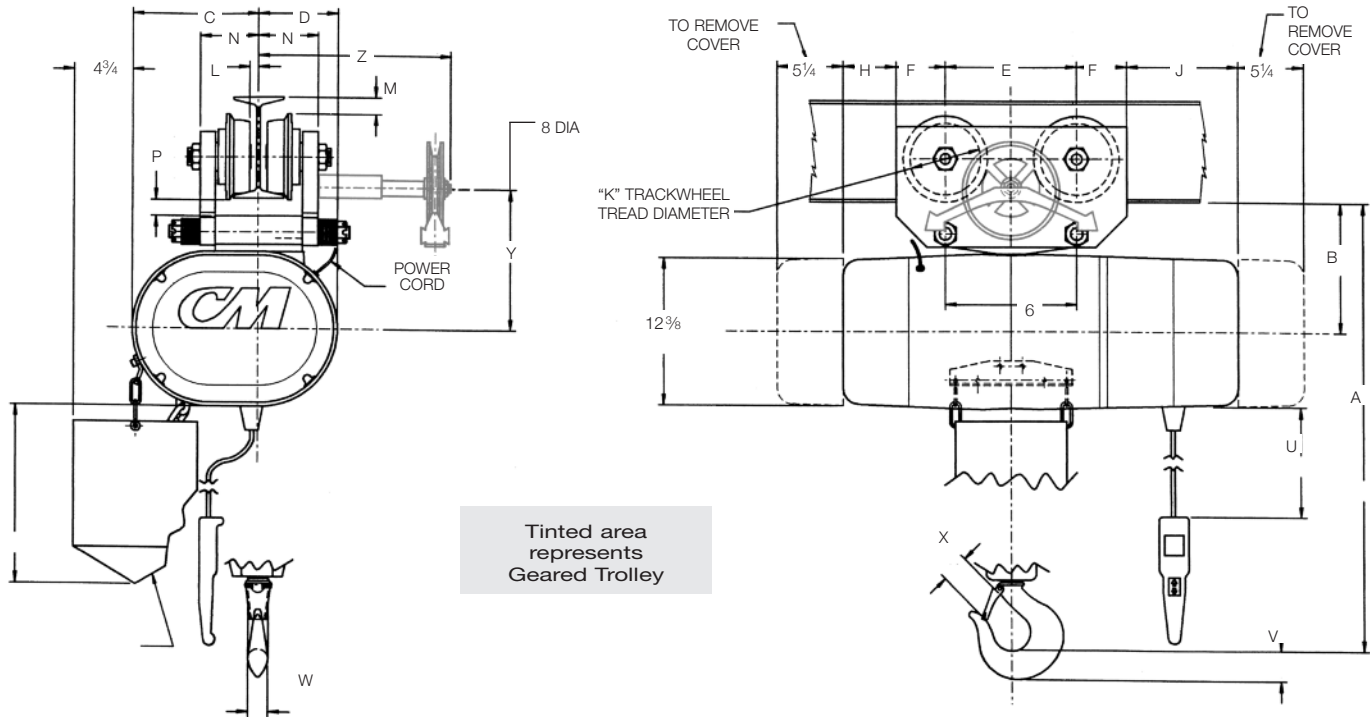
*⚠WARNING

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating capacity
- Do not use to lift people or loads over people.
- use only alloy chain for overhead lifting.
- Read and follow all instructions.

Lodestar XL with plain trolley and geared Trolley



Geared Trolley



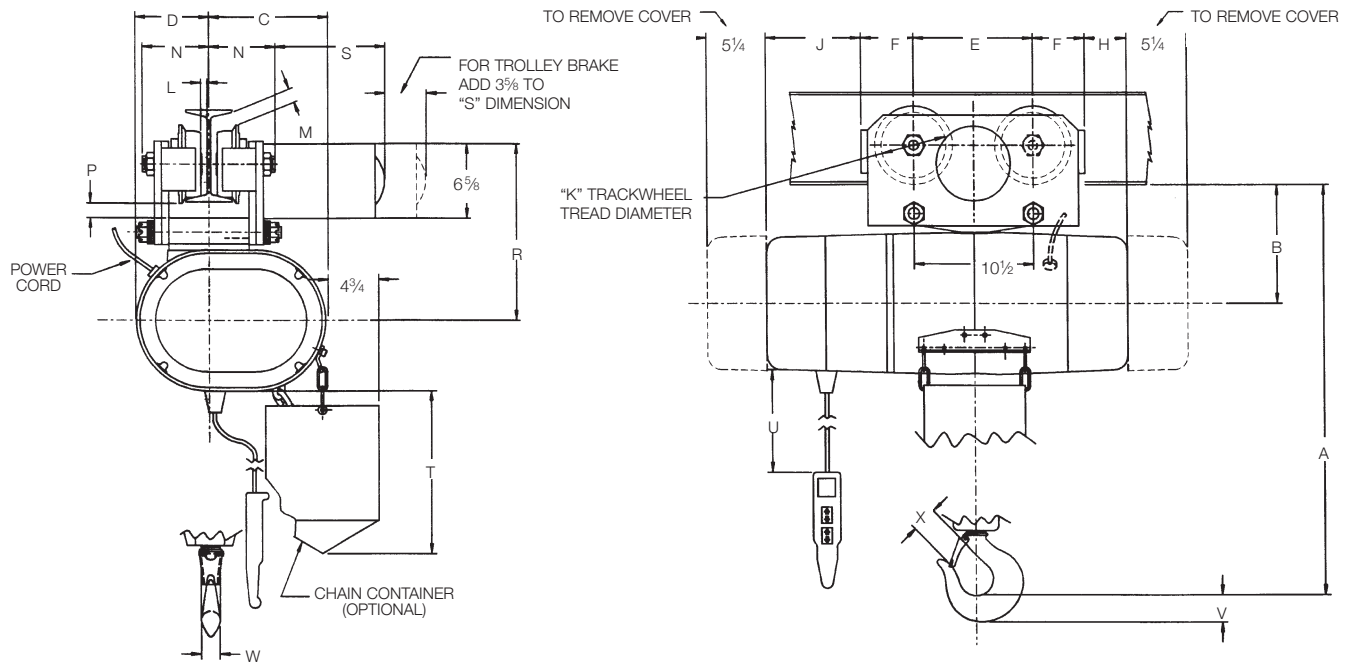
Clearance dimensions (in.)**

Dimensions	Single Reeved 2 ton capacity	Double Reeved		Triple Reeved 5-7 1/2 ton capacity
		3 ton capacity	4 & 5 ton capacity	
A	28 11/16	33 1/2	33 3/4	34 5/8
B	9 3/4	10 7/16	10 11/16	10 11/16
C	8 7/16	11 3/8	11 3/8	11 3/8
D	8 3/8	5 1/2	5 1/2	5 1/2
E	9 1/2	9 1/8	12	12
F	3 1/2	3 1/4	4 13/16	4 13/16
H	5 1/4	5 11/16	2 11/16	2 11/16
J	10 1/16	10 1/2	7 1/2	7 1/2
K	4 11/16	4	6 1/2	6 1/2
L	1/2	5/8	5/8	5/8
M	1/2	2 11/16	0	0
N	5	3 5/8	3 7/8	3 7/8
P	1 1/4	3/8	7/16	7/16
T (based on 10 ft. lift)	14 3/16	14 3/16	14 3/16	14 3/16
U (based on 10 ft. lift)	6'- 3"	6'- 3"	6'- 3"	6'- 3"
V	1 1/2	2 1/4	2 1/4	2 1/4
W	1 1/8	1 5/8	1 5/8	1 5/8
X	1 5/16	2 1/16	2 1/16	2 1/16
Y*	11 5/16	12 7/8	11 1/8	11 1/8
Z*	—	19 1/8	19 1/8	19 1/8
Minimum Radius Curve (ft.)	4	4	6	6
Standard Beam Flange Adj. Range (in.)	3.33-5.55	4.00-6.25	4.00-6.25	4.00-6.25

*Geared Trolley Dimensions Only

**Dimensions listed are for minimum size "S" beam.

Lodestar XL with motor driven trolley (2 ton)



Clearance dimensions (in.)**

Dimensions	Single Reeved 2 ton capacity
A	28 ¹¹ / ₁₆
B	9 ³ / ₄
C	8 ⁷ / ₁₆
D	8 ¹ / ₈
E	9 ¹ / ₂
F	3 ¹ / ₂
H	5 ¹ / ₄
J	10 ¹ / ₁₆
K	4 ¹¹ / ₁₆
L	¹ / ₂
M	¹ / ₂
N	5
P	1 ¹ / ₄
R	14 ⁵ / ₈
S	12 ⁷ / ₁₆
T (based on 10 ft. lift)	14 ³ / ₁₆
U (based on 10 ft. lift)	6' - 3"
V	1 ¹ / ₂
W	1 ¹ / ₈
X	1 ⁵ / ₁₆
Minimum Radius Curve (ft.)	4
Standard Beam Flange Adj. Range (in.)	3.33-5.55
Trolley Speed (ft./min) Standard Single Speed	65 or 100

**Dimensions listed are for minimum size "S" beam.



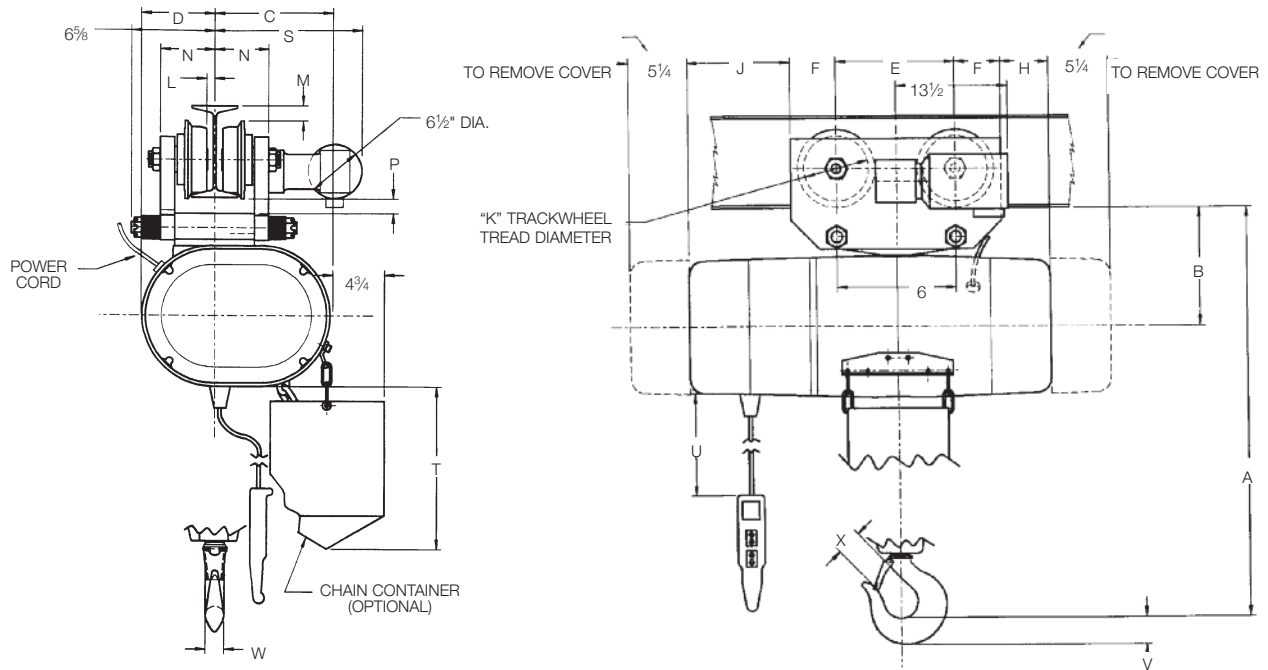
*WARNING

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating capacity
- Do not use to lift people or loads over people.
- use only alloy chain for overhead lifting.
- Read and follow all instructions.

Lodestar XL with motor driven trolley (3-7½ ton)



Clearance dimensions (in.)**



Dimensions	Double Reeved		Triple Reeved
	3 ton capacity	4 & 5 ton capacity	5-7½ ton capacity
A	33½	33¾	34⅝
B	10⅞	10⅞	10⅞
C	11⅞	11⅞	11⅞
D	5½	5½	5½
E	9⅞	12	12
F	3¼	4⅞	4⅞
H	5⅞	2⅞	2⅞
J	10½	7½	7½
K	4	6½	6½
L	⅝	⅝	⅝
M	2⅞	0	0
N	3⅝	3⅞	3⅞
P	⅜	⅞	⅞
S	11⅞	13⅞	13⅞
T (based on 10 ft. lift)	14⅞	14⅞	14⅞
U (based on 10 ft. lift)	6'- 3"	6'- 3"	6'- 3"
V	2¼	2¼	2¼
W	1⅝	1⅝	1⅝
X	2⅞	2⅞	2⅞
Minimum Radius Curve (ft.)	4	6	6
Standard Beam Flange Adj. Range (in.)	4.00-6.25	4.00-6.25	4.00-6.25
Trolley Speed (ft./min)			
Standard Single Speed	50	50	50

**Dimensions listed are for minimum size "S" beam.

Man Guard electric chain hoist

INTRODUCING THE CM MAN GUARD WITH CAPACITIES OF UP TO 3 TONS.

Columbus McKinnon Corporation, an industry leader in quality lifting and positioning equipment for hoist operators around the globe, presents CM Man Guard.

CM Man Guard electric chain hoist stays true to its name by providing operator safety through superior overload protection. The Man Guard hoist's overload clutch prevents lifting loads beyond capacity which may result in serious injury to the operator, or catastrophic damage to the hoist, load and supporting structure.

Made in the USA, Man Guard is designed for a long and dependable service life for heavy duty applications. Additionally, with its environmentally friendly design, easy access to key components, less maintenance, and enhanced safety feature, the Man Guard is the right choice for your lifting needs.

CM Man Guard is available as an individual unit or as an integral component of a complete lifting system.



Capacities: 1/4 to 3 Tons

Standard Lift: 10 feet
Additional lifts available

Lifting Speed: 5 to 32 FPM

Hook Suspension

AC Power Supply

115/230 1-60 HZ; 230/460 3-60
reconnectable voltage

Built-In Compliance

with ASME/ANSI B30.16, ASME
HST-1 and NEC electrical codes

Made in the U.S.A.

OVERLOAD PROTECTION

The CM Man Guard overload clutch prevents lifting beyond load capacity, which may damage the hoist or supporting structure or cause injury to the operator.

READY FOR HEAVY DUTY APPLICATIONS

H4 duty motor classification rated for heavy duty use.

LONGER SERVICE LIFE

- Class F insulation and thermal switch in motor winding reduces motor overheating and increase life.
- Helical Gears are oil bath lubricated which provides better wear and extends gear life while reducing noise.
- Powder coat painted housing and corrosion resistance zinc plated chain provides superior protection against the elements.
- Hard-wired power and pendant cords reduces risk of corrosion and loose connections.

IMPROVED SERVICEABILITY

- Open design allows quick access to AC Brake's one step adjustment.
- Easy access to Control Panel and simple wiring change to switch voltages from 115 to 230V for single phase applications.

SUPERIOR LOAD CONTROL

Optional Variable Frequency Drive (VFD) with 3 Step infinitely variable pendant allows operator to adjust lifting speeds without interruption. Many competitors only offer a 2 Step pendant requiring service interruption to change lift speeds.

ECO-FRIENDLY ENERGY SAVER

Efficiently designed gear train allows a smaller horsepower motor to operate at the same speeds and duty as our competition and reduces energy consumption. Shipped in boxes made of recycled material.

LIFETIME WARRANTY

HOISTS SHIP IN 3 DAYS OR LESS – GUARANTEED

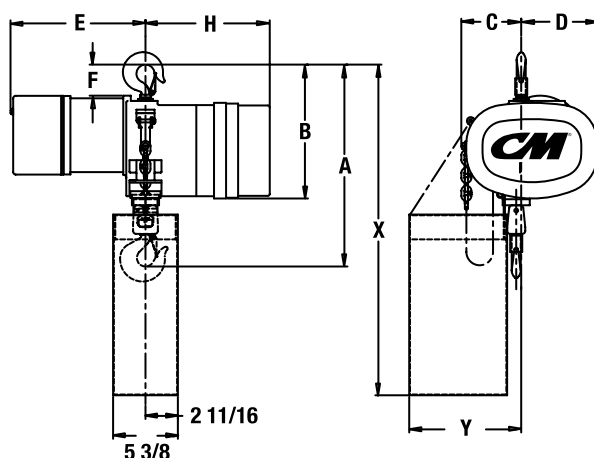
Select models are eligible for our In-Stock Guarantee.



Man Guard electric chain hoist - Specifications

VFD OPTION

- Variable speed control with single speed motor. VFD located completely under the cover.
- 10:1 speed ratio permits precise positioning for load spotting.
- 3-step infinitely variable push-button control offers acceleration and deceleration for full load control.
- Minimizes high-starting current on motor which helps keep it cool extending life of motor, and increases motor run-time and starts/stops over standard contactor control.
- Electronic reversing, multispeed operation (up to 3 steps) eliminates conventional magnetic contactors which are wearable components.
- Fault recorder helps troubleshoot various problems such as power related issues.
- 3 programmable outputs.
- Available Voltages: 380-460/3/60 and 208-230/3/60.



	Capacity	Model Number	Lift Speed	Motor	Parts of Chain	Net Weight	A	B	C	D	E* Max.	F	G	H	X**	Y
SINGLE SPEED HOOK MOUNTED HOISTS	1/4	MG2516	16	1/4	1	77	16-3/4	11-1/8	5	6-5/16	14-1/4	2-9/16	15/16	10-5/16	21-5/8	9-1/2
		MG2532	32	1/2		80								10-5/16		
	1/2	MG5016	16	1/2	1	80	16-3/4	11-1/8	5	6-5/16	14-1/4	2-9/16	15/16	10-5/16	21-5/8	9-1/2
		MG5032	32	1		81								10-5/16		
	1	MG0116	16	1	1	89	17-1/2	11-7/16	5-1/8	6-5/16	14-1/4	2-15/16	1-1/8	10-5/16	21-5/8	9-1/2
		MG0132	32	2-1/2		95								11-5/16		
	2	MG0208	8	1	2	111	23	13-1/8	6-3/8	5-1/16	14-1/4	4-9/16	1-1/16	10-5/16	24-3/4	10-3/4
		MG0216	16	2-1/2		112								11-5/16		
	3	MG0305	5	1	3	136	25-7/8	14-3/8	7-7/8	7-1/8	14-1/4	5-7/8	2	10-5/16	30	12-1/4
		MG0310	10	2-1/2		146								11-5/16		
VFD HOOK MOUNTED HOISTS	1/4	MG2516V	16	1/4	1	77	16-3/4	11-1/8	5	6-5/16	14-1/4	2-9/16	15/16	13-7/16	21-5/8	9-1/2
		MG2532V	32	1/2		80								13-7/16		
	1/2	MG5016V	16	1/2	1	80	16-3/4	11-1/8	5	6-5/16	14-1/4	2-9/16	15/16	13-7/16	21-5/8	9-1/2
		MG5032V	32	1		81								13-7/16		
	1	MG0116V	16	1	1	89	17-1/2	11-7/16	5-1/8	6-5/16	14-1/4	2-15/16	1-1/8	13-7/16	21-5/8	9-1/2
		MG0132V	32	2-1/2		95								13-7/16		
	2	MG0216V	16	2-1/2	2	112	23	13-1/8	6-3/8	5-1/16	14-1/4	4-9/16	1-1/16	13-7/16	24-3/4	10-3/4
		MG0310V	10	2-1/2		146								13-7/16		
	3	MG0310V	10	2-1/2	3	146	25-7/8	14-3/8	7-7/8	7-1/8	14-1/4	5-7/8	2	13-7/16	30	12-1/4
		MG0310V	10	2-1/2		146								13-7/16		

* Maximum length for 3 phase model hoists. Consult factory for exact dimensions.

** Dimensions based on lifts through 10 ft. (all capacities) and increases proportionally with longer lifts.



ShopStar electric chain hoist

The ShopStar electric chain hoist features rugged construction and high H4 duty cycle. It keeps lifting and lifting, up to 1,000 pounds and 300 motor starts per hour. Additional features and benefits include:

- H4 duty cycle (300 motor starts/hour)
- Easy installation and maintenance
- Standard protector overload device
- 10 pocket oblique lay liftwheel provides longer chain wear
- Epoxy powder coat finish
- 6½ ft. power cord with molded 3 prong plug on 115 volt units
- NEMA 4 industrial rated control station
- Optional impact-resistant chain container available
- Gear train lifetime lubricated with non-oxidizing grease
- CM Hoist Alloy Load Chain (zinc plated optional)
- Thermally protected hoist duty motor
- Dual braking system — D.C. plus regenerative
- Rugged cast aluminum alloy hoist frame
- Meets ASME B30.16
- Small, compact design for commercial & industrial applications
- Rigid hook suspension prevents tangling of power cord
- Hardened forged steel latch style lower hook rotates 360°
- Totally enclosed non-ventilated hoist frame protects motor from environmental contamination
- True vertical lift
- Precision bearings used throughout hoist
- Lifetime warranty
- Made in U.S.A.



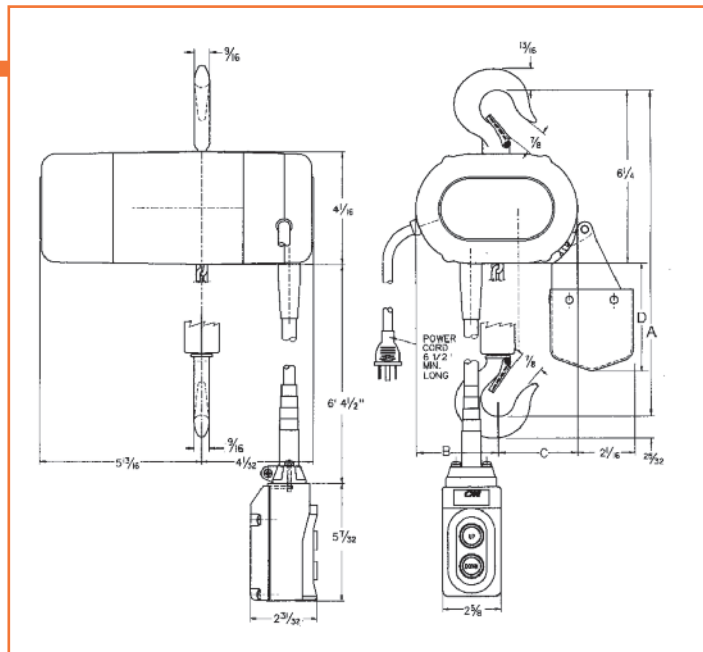
***WARNING**

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To avoid injury:

- Do not exceed working load limit, load rating capacity
- Do not use to lift people or loads over people.
- use only alloy chain for overhead lifting.
- Read and follow all instructions.

ShopStar-Specifications



Clearance dimensions (in.)

Reeving	A	B	C	D
Single	11 1/16	3	2 15/16	3 7/8
Double	11 15/16	3 9/16	2 3/8	5 3/4

Chain Containers

Product code	Single reeved	Double reeved	Approx. Shipping wt., lbs.
2063	10	5	1
2064	20	10	1.4
2065	40	20	1.4
2066	80	40	1.4
2067	120	60	2.2

Specifications

	Product Code			Max. capacity lbs.	Lifting speed F.P.M.	Reeving	Lift ft.	Approx. shipping wt., (lbs.)	Motor H.P.
*115-1-60	115-1-60	230-3-60	460-3-60						
2070	—	—	—	250	16	single	10	26	1/6
—	2069	2071	2072	250	16	single	10	28	1/6
—	—	2076	2077	250	24	single	10	28	1/6
—	—	2081	2082	250	40	single	10	28	1/6
2000	—	—	—	300	16	single	10	26	1/6
—	2047	2026	2029	300	16	single	10	28	1/6
—	—	2086	2087	300	24	single	10	28	1/6
—	—	2074	2075	300	40	single	10	28	1/6
2095	—	—	—	500	8	double	10	32	1/6
—	2094	2096	2097	500	8	double	10	34	1/6
2090	—	—	—	500	12	single	10	26	1/6
—	2089	2091	2092	500	12	single	10	28	1/6
—	—	2080	2084	500	16	single	10	28	1/6
—	—	2101	2102	500	20	double	10	34	1/6
—	—	2099	2100	500	24	single	10	28	1/6
2001	—	—	—	600	8	double	10	32	1/6
—	2048	2035	2038	600	8	double	10	34	1/6
—	—	2106	2107	600	12	double	10	34	1/6
—	—	2105	2114	600	20	double	10	34	1/6
2110	—	—	—	1000	6	double	10	32	1/6
—	2109	2111	2112	1000	6	double	10	34	1/6
—	—	2116	2117	1000	8	double	10	32	1/6
—	—	2119	2121	1000	12	double	10	32	1/6

*Codes in this column denote units with contactor in push button control station.

ShopStar VS Variable Speed Electric Chain Hoist

The CM® ShopStar VS™ variable speed electric chain hoist is built for rugged industrial and commercial applications where precision load control is critical. This durable hoist features a high H4-plus duty cycle and a compact design ideal for use at workstations and production lines. The ShopStar VS is a superior alternative to air hoists.

STANDARD FEATURES

RUGGED & DURABLE IMPROVED SERVICEABILITY

Thermally protected hoist motor. Rugged, cast aluminum alloy hoist frame and body feature durable epoxy powder-coat finish to protect against corrosion.

LOW MAINTENANCE

Gear train lifetime lubricated with non-oxidizing grease. Totally enclosed hoist frame protects motor from environmental contamination.

COMPACT DESIGN

Small, compact design makes hoist ideal for use in tight spaces and allows for easy installation and maintenance.

OVERLOAD PROTECTION

Standard overload device protects the hoist, operator and surrounding structure from damaging overloads.

LONG CHAIN LIFE

Durable CM Hoistaloy® Load Chain. 10-pocket, oblique-lay lift wheel for longer chain life.

SINGLE- & 3-PHASE VOLTAGE OPTIONS

100 to 240 volt single phase, 50 to 60 Hz. 208 to 240 volt 3 phase. 460 volt and 575 volt 3 phase with optional transformer. 6-1/2 ft. power cord with removable molded, 3-prong 115-volt plug.

H4 PLUS DUTY CYCLE

With 300+ motor starts per hour and Class F motor insulation, the ShopStar VS outperforms the H3 rating of its major competitors.

5:1 DESIGN FACTOR

NEMA 4 INDUSTRIAL-RATED CONTROL SYSTEM

STANDARD RIGID-HOOK SUSPENSION

OPTIONAL FEATURES

VARIABLE CONTROLS

3-speed and 3-step infinitely variable controls for single and 3-phase applications.

DURABLE CHAIN CONTAINERS

Impact-resistant plastic/mesh or metal chain containers.

SWIVEL HOOK SUSPENSION

Swivel hook suspension rotates 360° for easy installation and positioning. Swivel hooks are available with latch and Latchlok® latch. Lug mount suspension is also available.

CM® ROCKET™ PENDANT

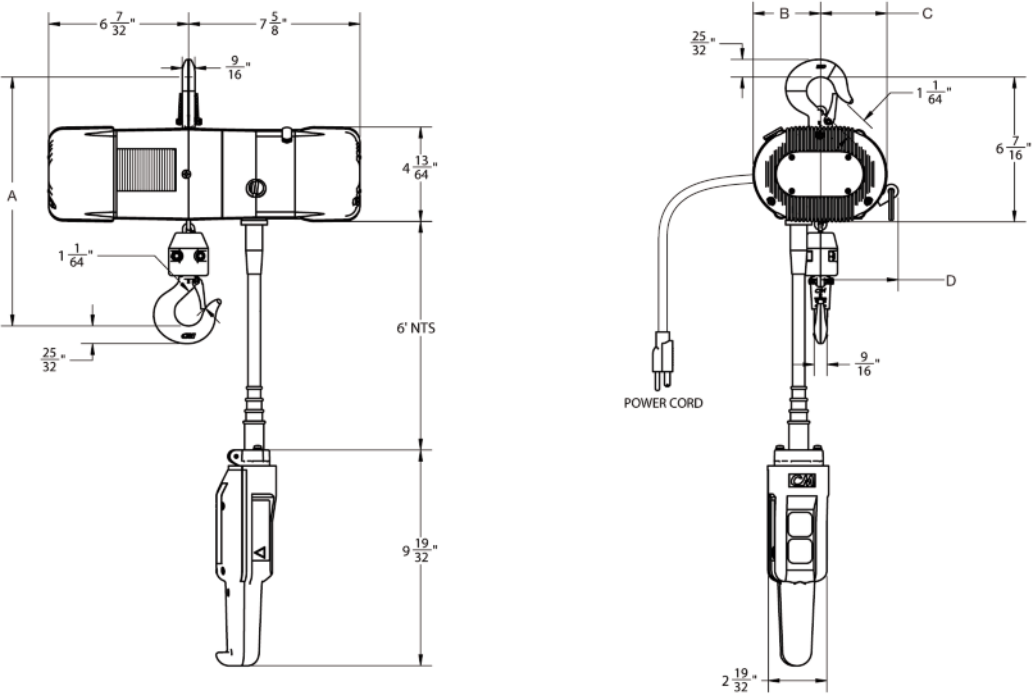
Engineered for maximum operator comfort, the CM Rocket delivers precision load control. Pendant features a unique rocker switch and comfort-fit design that increases safety and efficiency. Not available for 3-step infinitely variable hoist models. Pendant with emergency stop not available on ShopStar VS.



The CM ShopStar VS is ideal for applications in the Automotive, Heavy OEM, Utility and Energy industries. Choose this reliable hoist for light assembly workstations that require high speed and precision control lifting with light rail or trolley systems.

In addition, the ShopStar VS is perfect for maintenance and repair applications demanding accurate load control or long lifts.

ShopStar VS Specifications



Capacity (Metric Tons)	Product Code				Dimensions in. (mm)				Maximum Lift Speed (ft./min.)	Standard Lift (ft.)	Reeving	Weight (lb.)
	2-Speed	2-Step Infinity Variable Speed	3-Speed	3-Step Infinity Variable Speed	A	B	C	D				
250	VS0250A1	VS0250A2	VS0250A3	VS0250A4	11.06	3	2.95	3.45	63	10	1	26
300	VS0300A1	VS0300A2	VS0300A3	VS0300A4	11.06	3	2.95	3.45	63	10	1	26
500	VS0500A1	VS0500A2	VS0500A3	VS0500A4	11.06	3	2.95	3.45	39	10	1	26
550	VS0550A1	VS0550A2	VS0550A3	VS0550A4	11.06	3	2.95	3.45	26	10	1	26
600	VS0600A1	VS0600A2	VS0600A3	VS0600A4	11.94	3.58	2.36	2.87	31	10	2	28
1000	VS1000A1	VS1000A2	VS1000A3	VS1000A4	11.94	3.58	2.36	2.87	19	10	2	28
1100	VS1100A1	VS1100A2	VS1100A3	VS1100A4	11.94	3.58	2.36	2.87	13	10	2	28

NOTE: Configurable codes and options available in addition to standard products shown above. Optional transformer required for 460-volt applications.

*

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WARNING

Overloading and improper use can result in injury.

To avoid injury:

• Do not exceed working load limit, load rating capacity

• Do not use to lift people or loads over people.

• use only alloy chain for overhead lifting.

• Read and follow all instructions.

Valustar electric chain hoist

Designed specifically for general commercial applications.
This compact, lightweight hoist features:

- Fully machined and heat treated liftwheel with hardened chain guides for smooth chain operation and reduced chain wear
- Standard lift 10, 15 & 20 ft.
- 5 ft. power cord length
- Heavy-duty caliper type AC brake
- Rugged NEMA 4 control station, 115 volt control circuit
- Easy to install and maintain
- Hoist alloy load chain for smooth operation and maximum chain life
- Efficient regenerative braking system to avoid heat generation in power train
- Enclosed hoist duty motor
- Gear train lifetime lubricated with non-oxidizing grease
- Latch type hooks
- Hook suspension standard
- Fully machined and heat treated gear train
- Standard overload Protector device
- H3 duty-1 phase; H-4 duty-3 phase
- Lifetime warranty
- Metric rated
- Made in U.S.A.

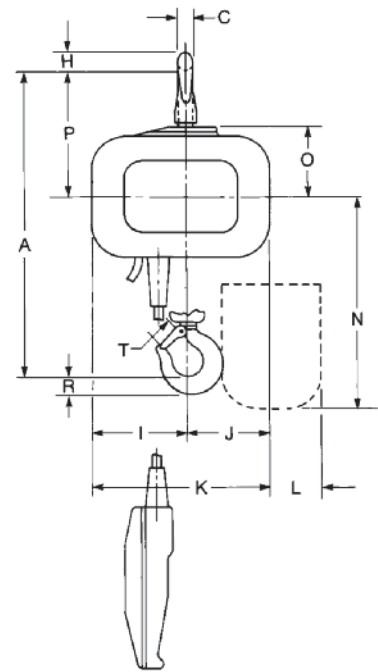
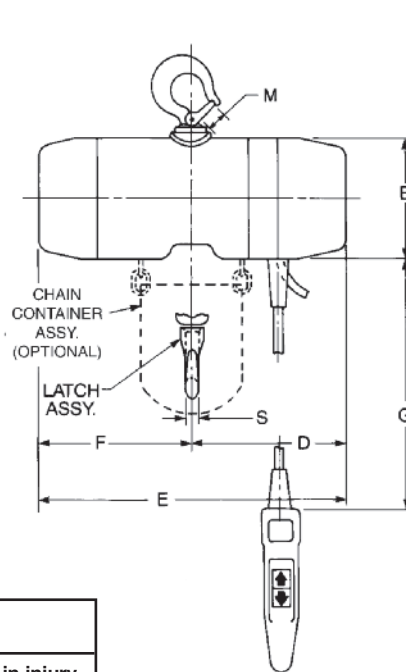


Specifications

	Product code			Max. capacity tons	Hoist lifting speed FPM	Reeving	Approximate shipping wt. (lbs.)	
	115-1-60	230/460 3-60	Model				115-1-60	230/460 3-60
Single speed 10' lift	2401	2402	WB	1/4	16	single	54	58
	2403	2404	WF	1/2	16	single	60	58
	2405	2406	WH	1	8	double	70	68
	2407	2408	WL	1	16	single	105	106
	2409	2410	WR	2	8	double	130	122
Single speed 15' lift	2401B	2402B	WB	1/4	16	single	64	62
	2403B	2404B	WF	1/2	16	single	64	62
	2405B	2406B	WH	1	8	double	77	75
	2407B	2408B	WL	1	16	single	111	112
	2409B	2410B	WR	2	8	double	136	128
Single speed 20' lift	2401C	2402C	WB	1/4	16	single	68	66
	2403C	2404C	WF	1/2	16	single	68	66
	2405C	2406C	WH	1	8	double	84	82
	2407C	2408C	WL	1	16	single	116	117
	2409C	2410C	WR	2	8	double	150	142

Longer lifts and modifications available. Apply for details.

Valustar -Specifications



***WARNING**

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating capacity
- Do not use to lift people or loads over people.
- use only alloy chain for overhead lifting.
- Read and follow all instructions.

Clearance dimensions (in.)

Rated capacity* (tons)

	1/4	1/2	1/2	1	1/2	1	2
Dimension	Model WB	Model WF	Model WE	Model WH	Model WJ	Model WL	Model WR
A	14 ¹ / ₄	14 ¹ / ₄	17 ⁷ / ₈	17 ⁷ / ₈	15 ⁹ / ₁₆	15 ⁹ / ₁₆	22 ¹ / ₂
B	6 ¹ / ₈	6 ¹ / ₈	6 ¹ / ₈	6 ¹ / ₈	7 ⁵ / ₈	7 ⁵ / ₈	7 ⁵ / ₈
C	1 ¹ / ₁₆	1 ¹ / ₁₆	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	1 ¹ / ₈
D	8	8	8	8	9	9	9
E	16 ¹ / ₁₆	16 ¹ / ₁₆	16 ¹ / ₁₆	16 ¹ / ₁₆	20 ³ / ₁₆	20 ³ / ₁₆	20 ³ / ₁₆
F	8 ¹ / ₁₆	8 ¹ / ₁₆	8 ¹ / ₁₆	8 ¹ / ₁₆	11 ³ / ₁₆	11 ³ / ₁₆	11 ³ / ₁₆
G**	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"
H	1	1	1 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	1 ¹ / ₂
I	4 ¹³ / ₁₆	4 ¹³ / ₁₆	3 ⁷ / ₈	3 ⁷ / ₈	7 ¹ / ₄	7 ¹ / ₄	6 ³ / ₁₆
J	3 ¹⁵ / ₁₆	3 ¹⁵ / ₁₆	4 ⁷ / ₈	4 ⁷ / ₈	5 ⁷ / ₁₆	5 ⁷ / ₁₆	6 ¹ / ₂
K	8 ³ / ₄	8 ³ / ₄	8 ³ / ₄	8 ³ / ₄	12 ¹¹ / ₁₆	12 ¹¹ / ₁₆	12 ¹¹ / ₁₆
L	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₁₆	7 ¹ / ₁₆	7 ¹ / ₁₆
M	1	1	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ⁵ / ₁₆
N**	12 ¹⁵ / ₁₆	12 ¹⁵ / ₁₆	15 ¹⁵ / ₁₆	15 ¹⁵ / ₁₆	16 ¹¹ / ₁₆	16 ¹¹ / ₁₆	22 ¹¹ / ₁₆
O	3 ⁹ / ₁₆	3 ⁹ / ₁₆	3 ⁹ / ₁₆	3 ⁹ / ₁₆	4	4	4
P	6 ³ / ₁₆	6 ³ / ₁₆	6 ¹ / ₂	6 ¹ / ₂	6 ⁷ / ₈	6 ⁷ / ₈	7 ³ / ₈
R	1	1	1 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	1 ³ / ₁₆	1 ¹ / ₂
S	1 ¹ / ₁₆	1 ¹ / ₁₆	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	1 ¹ / ₈
T	1	1	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈	1 ⁵ / ₁₆

** Based on 10 foot lift units

Rocket Universal Pendant Control

The CM® Rocket™ universal pendant control is engineered for maximum operator comfort, while delivering the precision control your application demands.

At the heart of the CM Rocket is a unique rocker switch that is ergonomically designed to reduce thumb strain and fatigue. The rocker switch gives the operator ultimate load control for micro-positioning applications, as well as increased safety and efficiency for hoist and machine operators. Its curved, well-balanced shape and ribbed grip help ensure the operator maintains a secure and comfortable hold.

The patented CM Rocket can be used for momentary operation of numerous types of industrial equipment, including hoists, conveyors, lift elevators and lift gates, mill drives, actuators and winches. This versatile pendant control is available in 4 configurations:

- Single-speed pendant
- Single-speed pendant with emergency stop
- 2-speed pendant
- 2-speed pendant with emergency stop

Experience the CM Advantage. Compared to the competitors' traditional straight grip and push-button configurations, the CM Rocket's comfort-fit design and responsive rocker switch give operators maximum control with minimal effort.



Specifications:

FITS YOUR HOIST & INDUSTRIAL EQUIPMENT

The adjustable rubber grommet easily accepts multiple power cable sizes from .33" to .64" diameter.

DUAL STRAIN RELIEF

The CM Rocket can be connected with internal or external strain relief.

CURVED, COMFORT-FIT DESIGN

Well-balanced design fits comfortably in the palm of your hand, requiring minimal wrist flexion for operation to reduce operator fatigue and hand strain.

RIBBED GRIP

Unlike the competitors' smooth grip, the ribbed construction of the CM Rocket's grip provides a secure hold in all environments.

DURABLE CASING

Pendant is made of durable ABS plastic that is shock, corrosion and moisture resistant.

MEETS HIGH PERFORMANCE STANDARDS

The CM Rocket pendant is NEMA 4/4X (IP65) approved for indoor industrial service only and temperature rated for indoor use at -0°C (32° F).

READY TO INSTALL

The Rocket pendant is easy to install and comes with everything you need to be up and running in minutes, including fasteners, labels, a cord warning tag and installation instructions.

OPTIONAL EMERGENCY STOP

Large emergency stop button is easy to operate with simple push-down, twist-to-release operation for compliance with OSHA-required safeguarding measures. Emergency stop is optional and available on single-speed and 2-speed pendants.

ROCKER SWITCH

Rocker switch requires minimal thumb movement and push force, reducing strain on thumb and hand. It allows the operator to control hoists and other industrial equipment with precision control and accuracy. The wide shape of rocker switch ensures easy operation with or without gloves.

PROTECTIVE GASKET

A rubber gasket seated under the rocker switch prevents environmental contaminants from entering the pendant.

RUGGED DIRECTIONAL INDICATORS

Directional indicators feature raised, non-slip ridges for ease of use and secure thumb placement. Ridges will not wear quickly, like the competitors' stickers or printed indicators.

UNIVERSAL DESIGN FITS YOUR HOIST

The CM Rocket pendant control was engineered to be used with virtually every electric chain hoist from Columbus McKinnon – simplifying the ordering process and making your inventory management easier.

The CM Rocket is available as an option on all of the hoists listed in the chart below.* And, for easy ordering, we've made it a standard option on one of our newest hoists, the CM ShopStar VS**.

All Rocket pendant controls come with a complement of adhesive decals that allow users to brand the pendant to match their Budgit, CM, Coffing or Yale hoist.

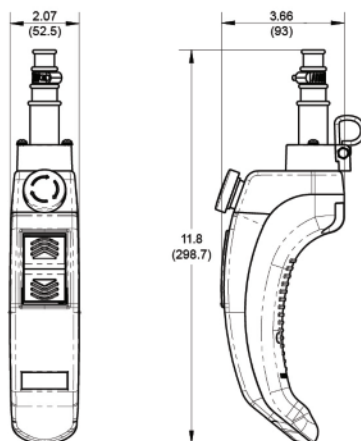
AFTER-MARKET AVAILABILITY

The CM Rocket is also available as an after-market product for use on CMCO and competitor hoists as well as conveyors, lift gates and other industrial equipment.

BRAND	MODEL	PENDANT AVAILABLE ON		ORDER PENDANT AS	
		SINGLE-SPEED MODEL	2-SPEED MODEL	ENGINEERED SPECIAL	STANDARD OPTION
BUDGIT® Hoists	MANGUARD	✓	✓	✓	
	SHOPHOIST	✓	not available	✓	
CM	LODESTAR CLASSIC	✓	✓	✓	
	LODESTAR	✓	✓	✓	
	LODESTAR XL	✓	✓	✓	
	MAN GUARD	✓	✓	✓	
	POWERSTAR	✓	✓	✓	
	SHOPSTAR	✓	not available	✓	
	SHOPSTAR VS**	✓	✓		✓
	VALUSTAR	✓	not available	✓	
COFFING® HOISTS	EC	✓	✓	✓	
	EMW	✓	✓	✓	
	JLC	✓	✓	✓	
	SLC	✓	not available	✓	
	WR	✓	✓	✓	
Yale® HOISTS	KELC	✓	✓	✓	
	XL	✓	✓	✓	
	YJL	✓	✓	✓	

* Not available for 3-step infinitely variable hoist models.

** Pendants with emergency stop not available on CM ShopStar VS.



SPECIFICATIONS

Product Code	Description	Length in. (cm)	Width in. (cm)	Height in. (cm)	Weight oz. (kg)
ECUR-1S	Single-Speed, No E-Stop	3.66 (93)	2.07 (52.5)	11.8 (298.7)	10.5 (297)
ECUR-1SE	Single-Speed with E-Stop	3.66 (93)	2.07 (52.5)	11.8 (298.7)	10.5 (297)
ECUR-2S	2-Speed, No E-Stop	3.66 (93)	2.07 (52.5)	11.8 (298.7)	10.5 (297)
ECUR-2SE	2-Speed with E-Stop	3.66 (93)	2.07 (52.5)	11.8 (298.7)	10.5 (297)

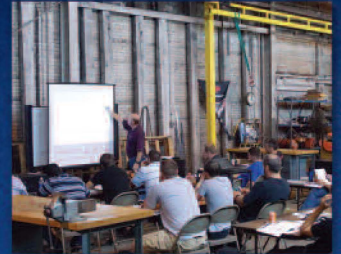
ACCESSORIES

ECUR-0010	Switch Repair Kit, 2-Speed, 4 Switch	ECUR-0001	Strain Relief Kit
ECUR-0011	Switch Repair Kit, Single-Speed, 2 Switch	ECUR-0030	Label Kit
ECUR-0020	Enclosure Repair Kit, No E-Stop	23608124	Emergency Stop Push Button
ECUR-0021	Enclosure Repair Kit, With E-Stop	23608110	Cable Bushing

THE POWER OF INTELLIGENT LIFTING

Columbus McKinnon is one of the most respected and well-known names in the material handling industry. We combine two different yet complimentary areas of expertise – rigging products and hoists – to develop complete floor-to-ceiling lifting systems for even the most unique material handling applications.

Columbus McKinnon designs and manufactures a large portfolio of durable and reliable products for a variety of industries. Our portfolio includes powered and manual hoists, rigging products, below-the-hook attachments, cranes, enclosed track systems and specially engineered products.



KNOW HOW. KNOW WHY. BE SAFE. GET TRAINED.



Not only is Columbus McKinnon a leader in material handling products, we are also a global leader in providing expertise and training on the proper use and inspection of rigging and overhead lifting equipment. With a range of comprehensive programs and seminars conducted at venues throughout North America, including our hands-on training centers and private companies, our courses include:

- Hoist Maintenance
- Safe Hoisting
- Rigging
- Crane & Hoist Inspection
- Load Securement
- Rigging Gear Inspection
- Crane Operator Training

One of our newest programs, **CMCO University™**, is a three-day course designed to give attendees an intimate knowledge of our products, the information they'll need to select the right product for the application, and the tools to win in the marketplace.

Classes are available at our state-of-the-art, hands-on training centers, including the **Niagara Training Center** and the **Hoist & Rigging Training Center of Excellence in the Center for Occupational Health and Automobile Manufacturing (COHAM) lab at The Ohio State University**.

Rely on Columbus McKinnon for the products and expertise you need to keep your workforce productive and safe.



COFFING®
HOISTS

BUDGIT®
Hoists



SHAW-BOX.



UNIFIED

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CM[®] LODESTAR[®]

DIMENSION DRAWINGS

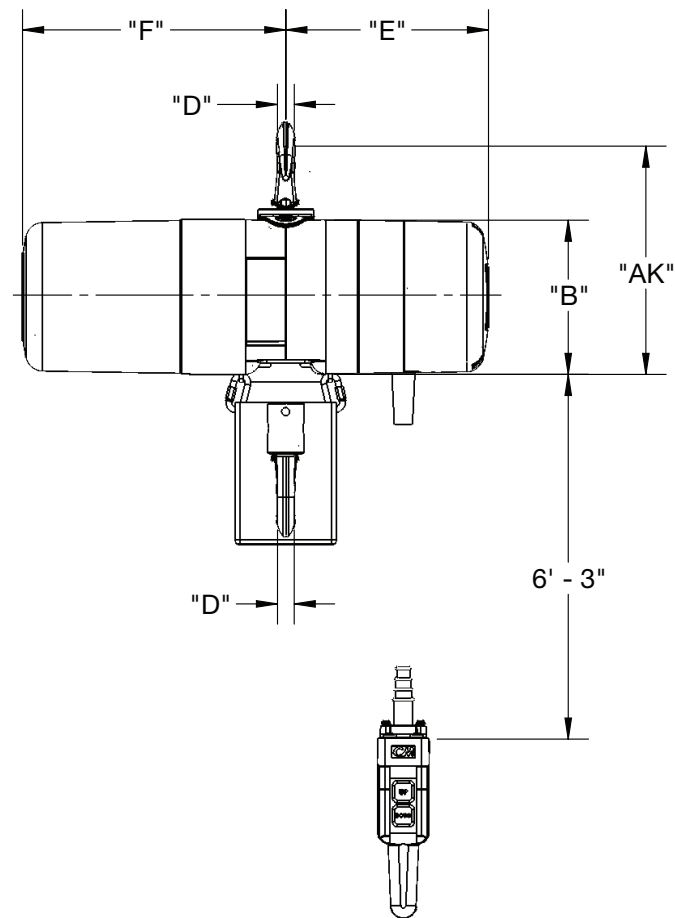
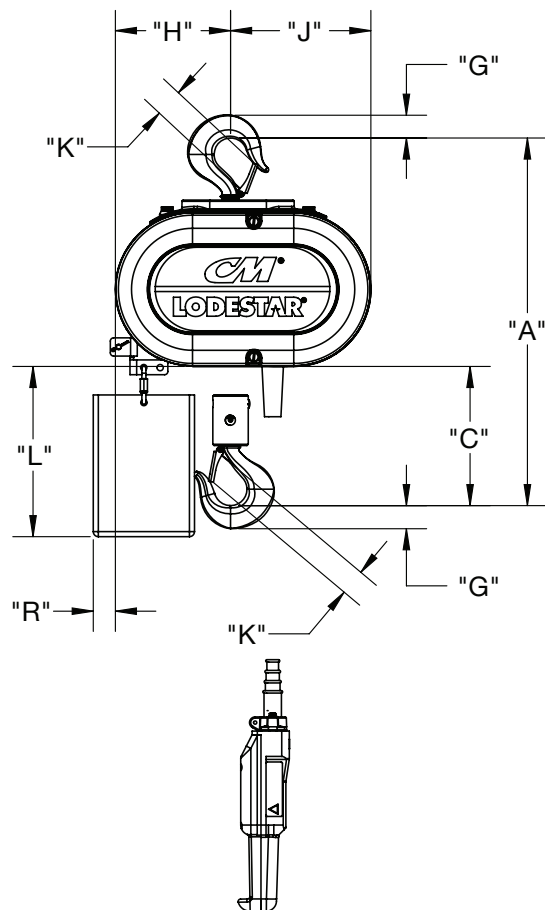


PAGE #	DRAWING #	DESCRIPTION	MODELS
2	NA	Lodestar & Trolley Clearance Dimensions	These pages contain the dimensions for all Lodestar Models. See pages 6-33 for specific model drawings.
3	NA	Lodestar - Hook Suspension	
4	NA	Lodestar - Series 635 Low Headroom Trolley	
5	NA	Lodestar - Series 635 Motor Driven Trolley	
6	00001462	V2 Lodestar - Single Reeved w/Low Headroom Trolley Lug	J, J2, JJ, JJ2, L, L2, LL, LL2
7	00001463	V2 Lodestar - Single Reeved w/ Motor Driven Trolley Lug	J, J2, JJ, JJ2, L, L2, LL, LL2
8	00001464	V2 Lodestar - Single Reeved w/Rigid Hook Suspension	J, J2, JJ, JJ2, L, L2, LL, LL2
9	00001465	V2 Lodestar - Single Reeved w/Swivel Hook Suspension	J, J2, JJ, JJ2, L, L2, LL, LL2
10	00001466	V2 Lodestar - Single Reeved w/Low Headroom Trolley	J, J2, JJ, JJ2, L, L2, LL, LL2
11	00001467	V2 Lodestar - Single Reeved w/Motor Driven Trolley	J, J2, JJ, JJ2, L, L2, LL, LL2
12	00001468	V2 Lodestar - Double Reeved w/Trolley Lug	R, R2, RR, RR2
13	00001469	V2 Lodestar - Double Reeved w/Rigid Hook Suspension	R, R2, RR, RR2
14	00001470	V2 Lodestar - Double Reeved w/Swivel Hook Suspension	R, R2, RR, RR2
15	00001471	V2 Lodestar - Double Reeved w/Low Headroom Trolley	R, R2, RR, RR2
16	00001472	V2 Lodestar - Double Reeved w/Motor Driven Trolley	R, R2, RR, RR2
17	00001473	V2 Lodestar - Triple Reeved w/Trolley Lug	RT, RT2, RRT, RRT2
18	00001474	V2 Lodestar - Triple Reeved w/Rigid Hook Suspension	RT, RT2, RRT, RRT2
19	00001475	V2 Lodestar - Triple Reeved w/Swivel Hook Suspension	RT, RT2, RRT, RRT2
20	00001476	V2 Lodestar - Triple Reeved w/Low Headroom Trolley	RT, RT2, RRT, RRT2
21	00001477	V2 Lodestar - Triple Reeved w/Motor Driven Trolley	RT, RT2, RRT, RRT2
22	00001479	V1 Lodestar - Single Reeved w/Low Headroom Trolley Lug	A, A2, AA, AA2, B, B2, C, C2, F, F2
23	00001480	V1 Lodestar - Single Reeved w/ Motor Driven Trolley Lug	A, A2, AA, AA2, B, B2, C, C2, F, F2
24	00001481	V1 Lodestar - Single Reeved w/Rigid Hook Suspension	A, A2, AA, AA2, B, B2, C, C2, F, F2
25	00001482	V1 Lodestar - Single Reeved w/Swivel Hook Suspension	A, A2, AA, AA2, B, B2, C, C2, F, F2
26	00001483	V1 Lodestar - Single Reeved w/Low Headroom Trolley	A, A2, AA, AA2, B, B2, C, C2, F, F2
27	00001484	V1 Lodestar - Single Reeved w/Motor Driven Trolley	A, A2, AA, AA2, B, B2, C, C2, F, F2
28	00001485	V1 Lodestar - Double Reeved w/Low Headroom Trolley Lug	E, E2, H, H2
29	00001486	V1 Lodestar - Double Reeved w/ Motor Driven Trolley Lug	E, E2, H, H2
30	00001487	V1 Lodestar - Double Reeved w/Rigid Hook Suspension	E, E2, H, H2
31	00001488	V1 Lodestar - Double Reeved w/Swivel Hook Suspension	E, E2, H, H2
32	00001489	V1 Lodestar - Double Reeved w/Low Headroom Trolley	E, E2, H, H2
33	00001490	V1 Lodestar - Double Reeved w/Motor Driven Trolley	E, E2, H, H2

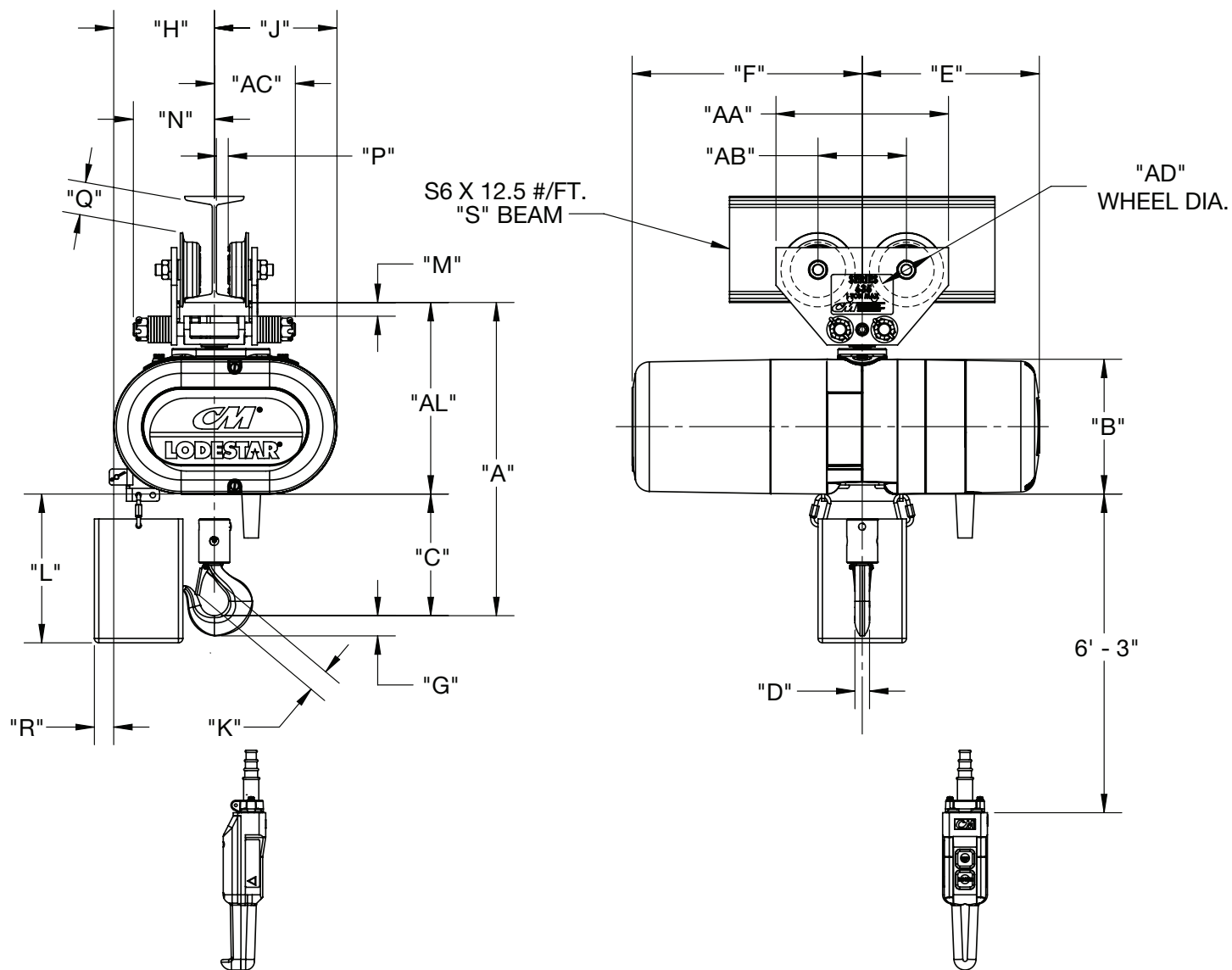
LODESTAR & TROLLEY CLEARANCE DIMENSIONS

MODELS							
VARIABLE DIMS.		A, B, C, F and AA (in.)	E and H (in.)	J, L, JJ and LL (in.)	R (in.)	RR (in.)	RT and RRT (in.)
A	Hook	16 15/16	21 9/16	18 1/8	25 13/16	25 13/16	32 1/2
	Tro. L.H.	16 13/16	21 3/16	17 3/4	25 13/16	25 13/16	33 5/8
	Tro. M.D.	17 1/4	21 5/8	18 1/8	25 1/8	25 1/8	33 1/2
B		6 1/16	6 1/16	7 5/8	7 5/8	7 5/8	7 5/8
C		7 5/8	12	6 7/8	13 13/16	13 13/16	19 13/16
D		11/16	13/16	13/16	1 1/8	1 1/8	1 1/8
E		11 13/16	11 13/16	10	10	10	10
F		8 15/16	8 15/16	13	13	13	13
G		15/16	1 1/8	1 1/8	1 1/2	1 1/2	1 1/2
H		4 7/16	3 7/16	5 11/16	7 1/16	7 1/16	7 5/16
J		4 1/4	5 1/4	6 15/16	5 9/16	5 9/16	5 5/16
K		1 1/8	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2
L		9"	12"	12 1/2	18 1/2	18 1/2	24 1/2
M		13/16	13/16	13/16	7/8	7/8	7/8
N		4 9/16	4 9/16	4 9/16	5	5	6 9/16
P		3/8	3/8	3/8	9/16	9/16	1 7/16
Q		1 13/16	1 13/16	1 13/16	1 7/8	1 7/8	10 1/4
R		2 1/8	2 1/8	11/16	11/16	11/16	11/16
AA		9 3/4	9 3/4	9 3/4	13	13	12 1/2
AB		5	5	5	6	6	6
AC		4 9/16	4 9/16	4 9/16	5	5	6 9/16
AD		3 1/8	3 1/8	3 1/8	4 3/4	4 3/4	4
AE		4 7/16	4 7/16	4 1/2	4 7/16	4 7/16	4 1/2
AF		4 7/8	4 7/8	4 7/8	4 7/8	4 7/8	4 7/8
AG		15/16	15/16	15/16	15/16	15/16	1 7/16
AH		13/16	13/16	13/16	13/16	13/16	7/8
AJ		13/16	13/16	13/16	13/16	13/16	13/16
AK		9 5/16	9 9/16	11 1/4	12	12	12 11/16
AL		9 3/16	9 3/16	14 3/4	11 3/8	11 3/8	13 13/16
AM		9 5/8	9 5/8	11 1/4	11 5/16	11 5/16	13 11/16

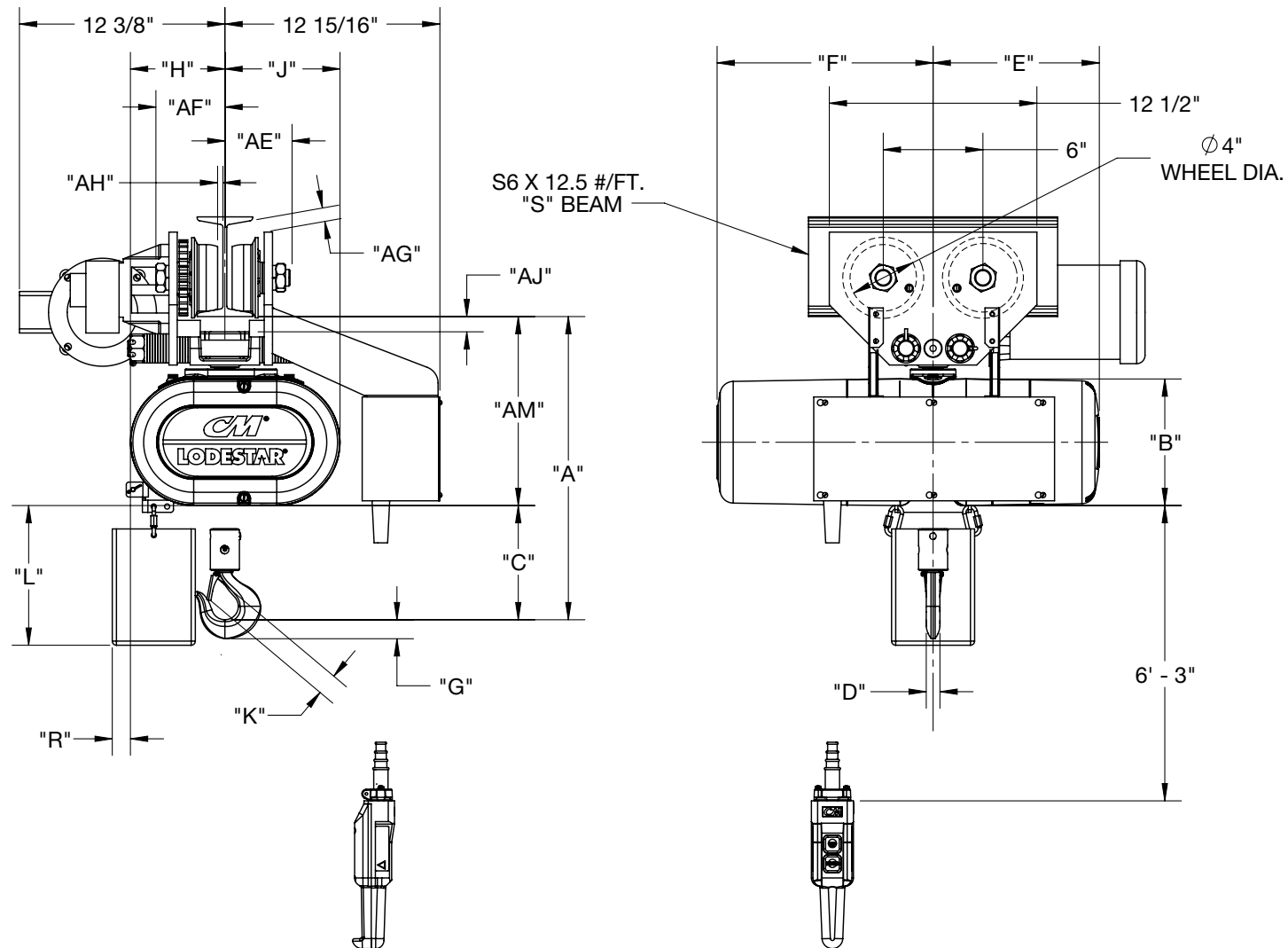
HOOK SUSPENSION

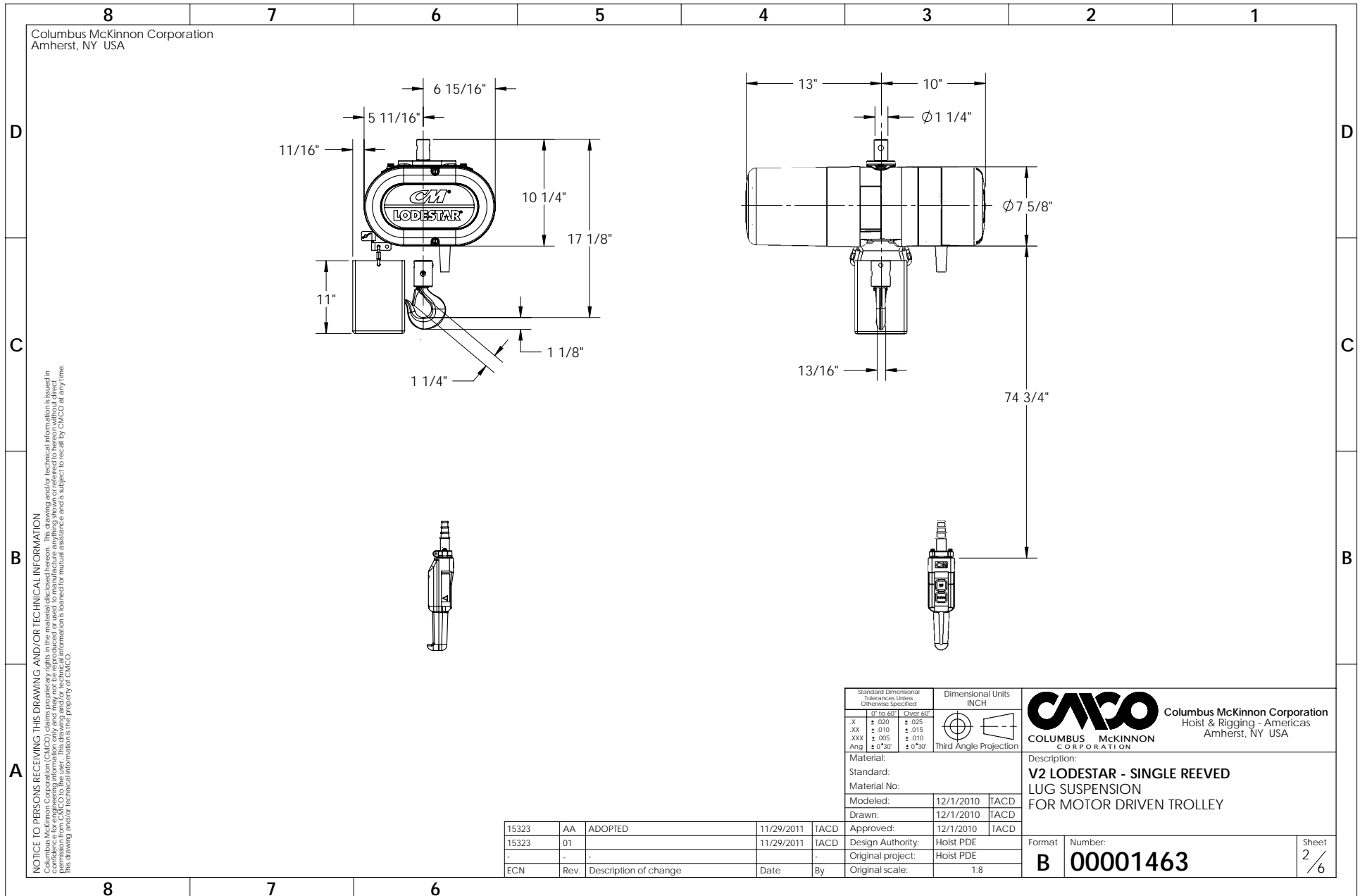


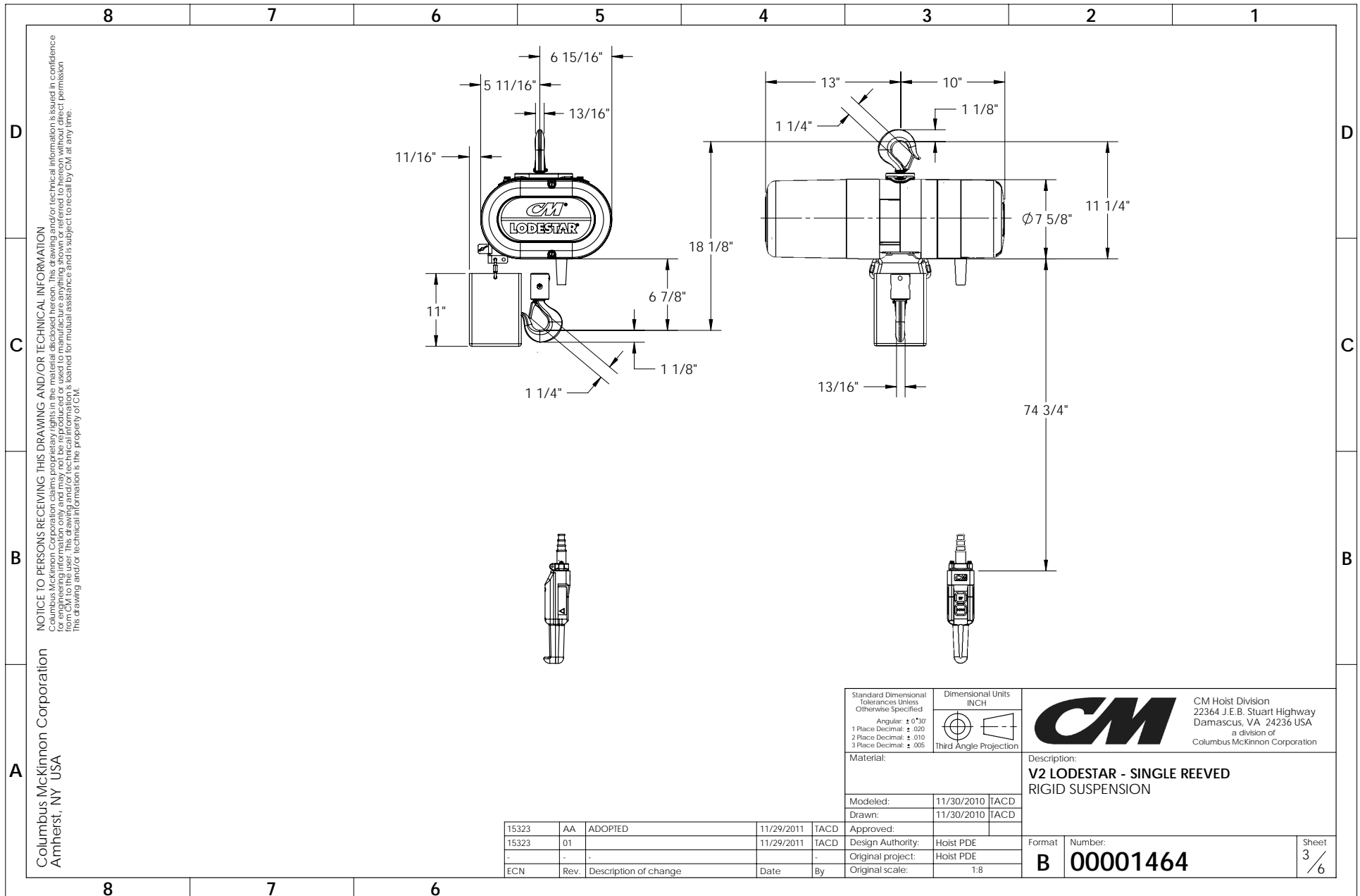
SERIES 635 LOW HEADROOM TROLLEY

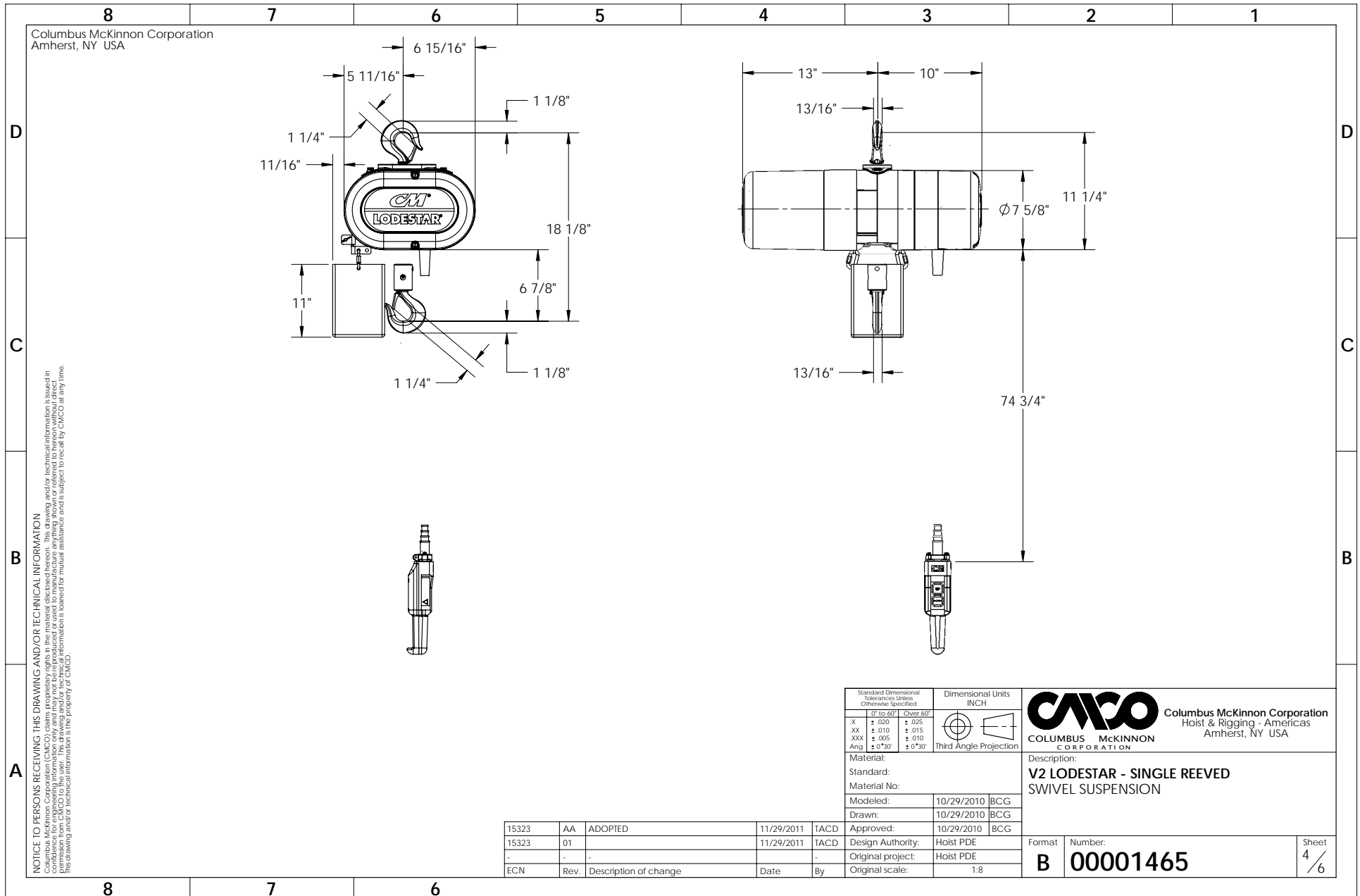


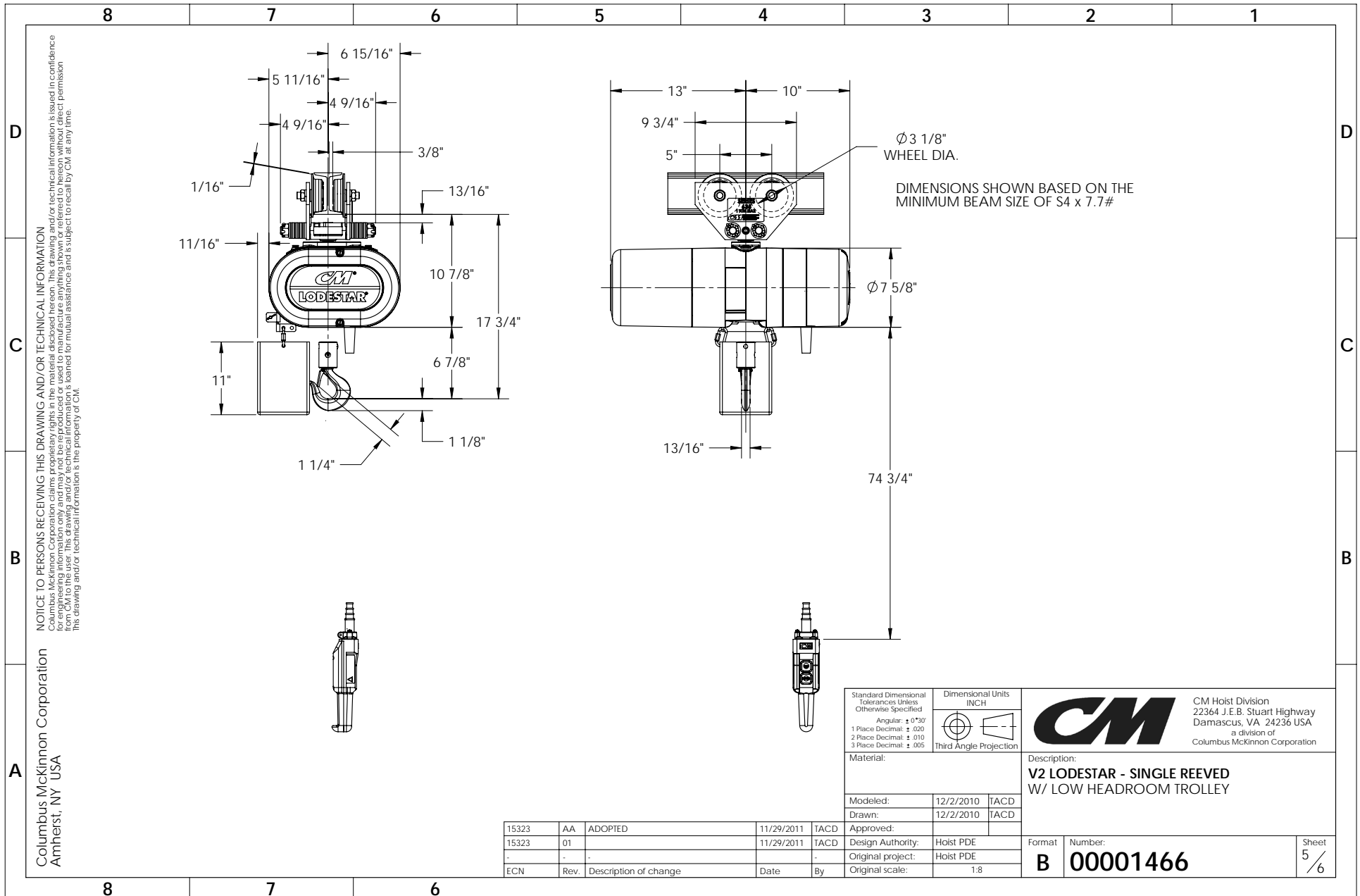
SERIES 635 MOTOR DRIVEN TROLLEY

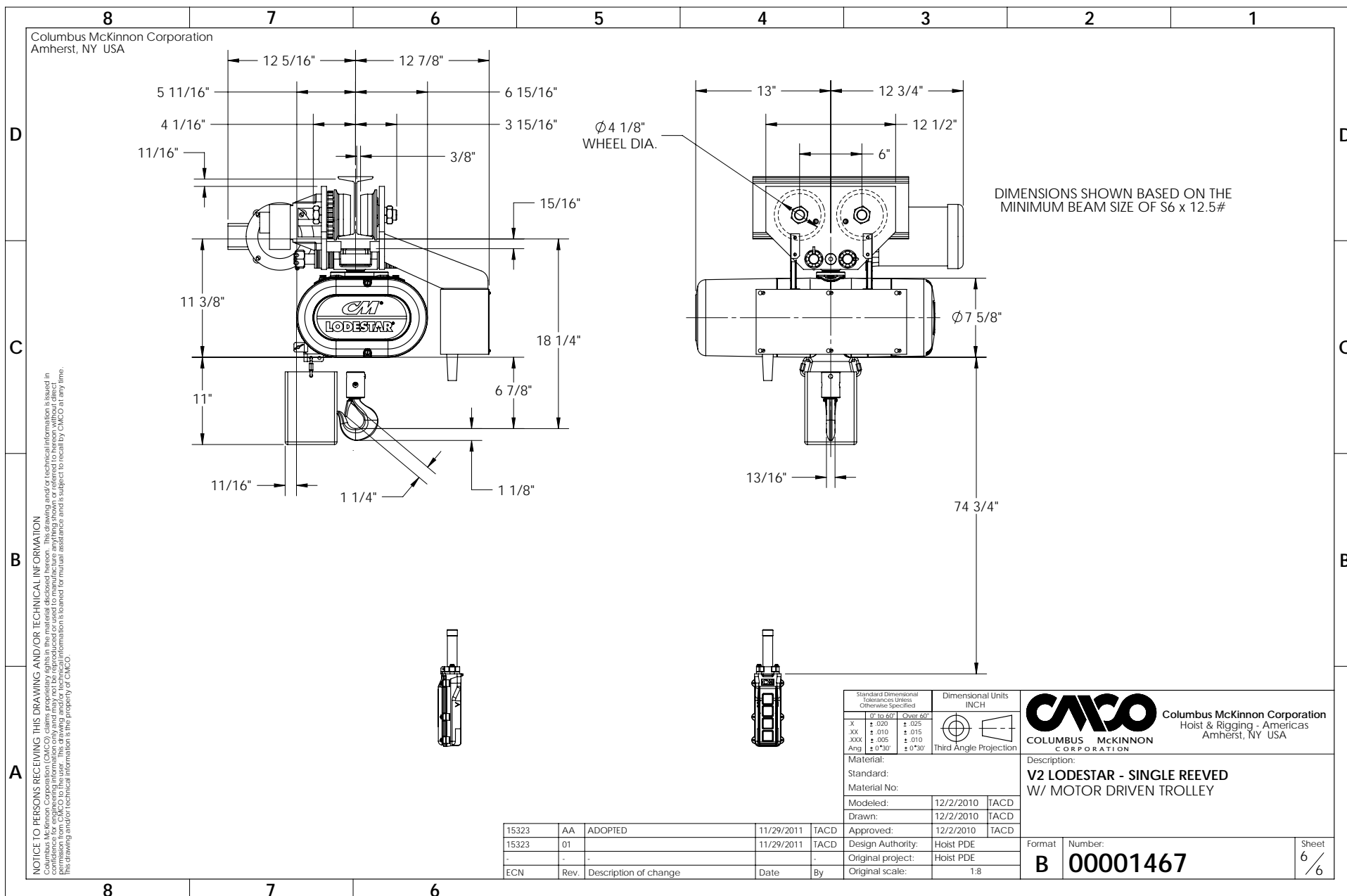


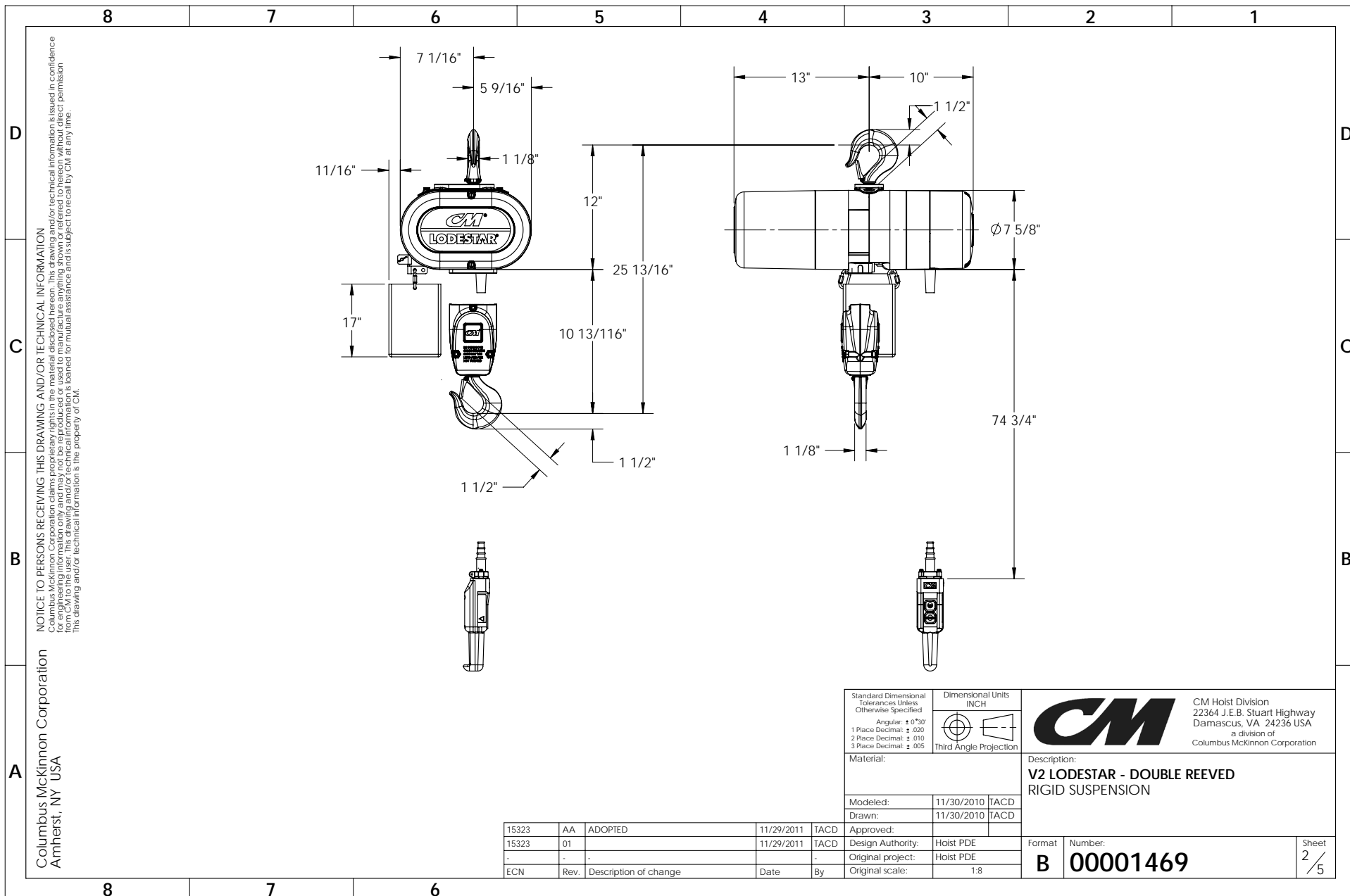


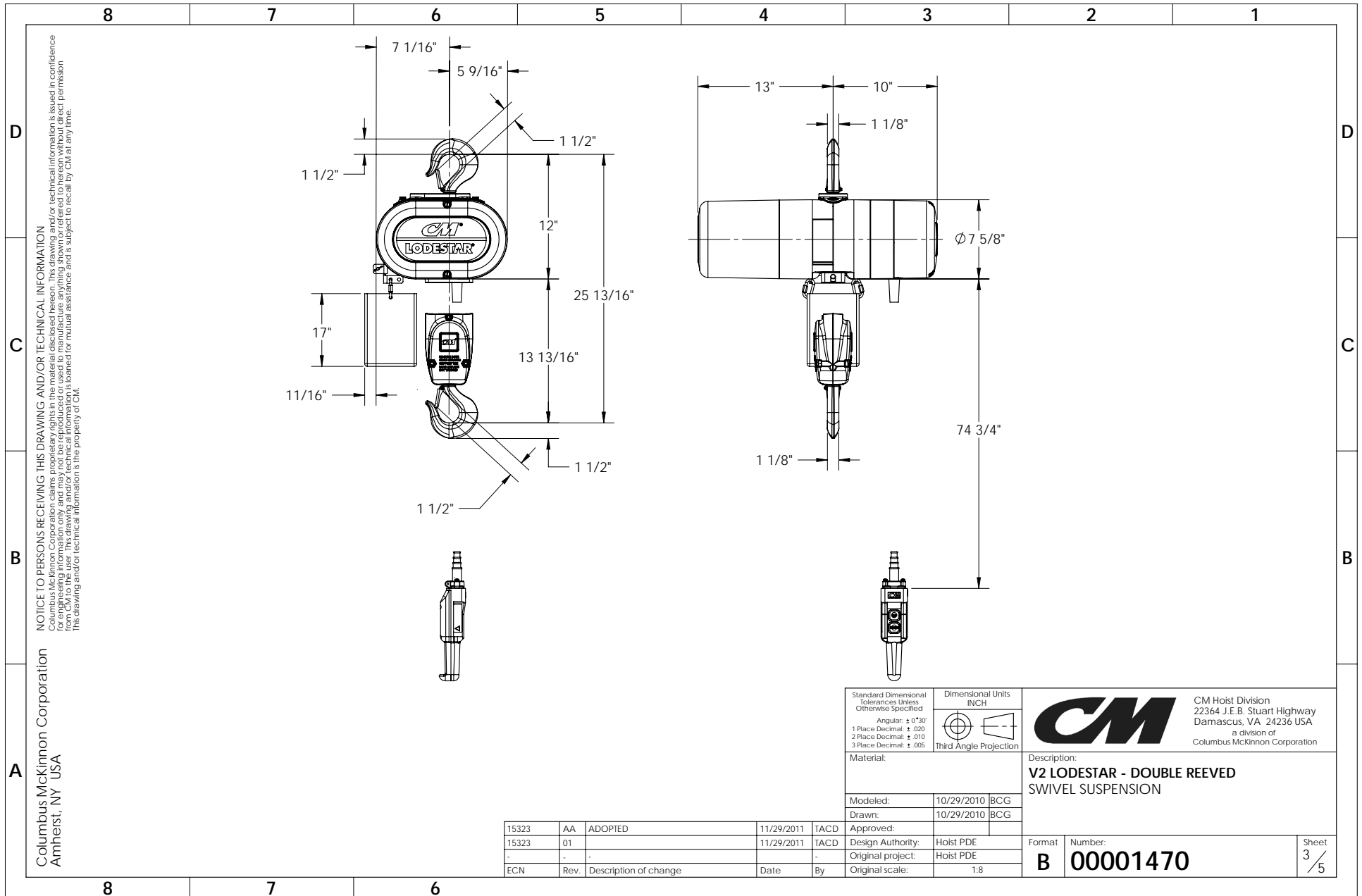


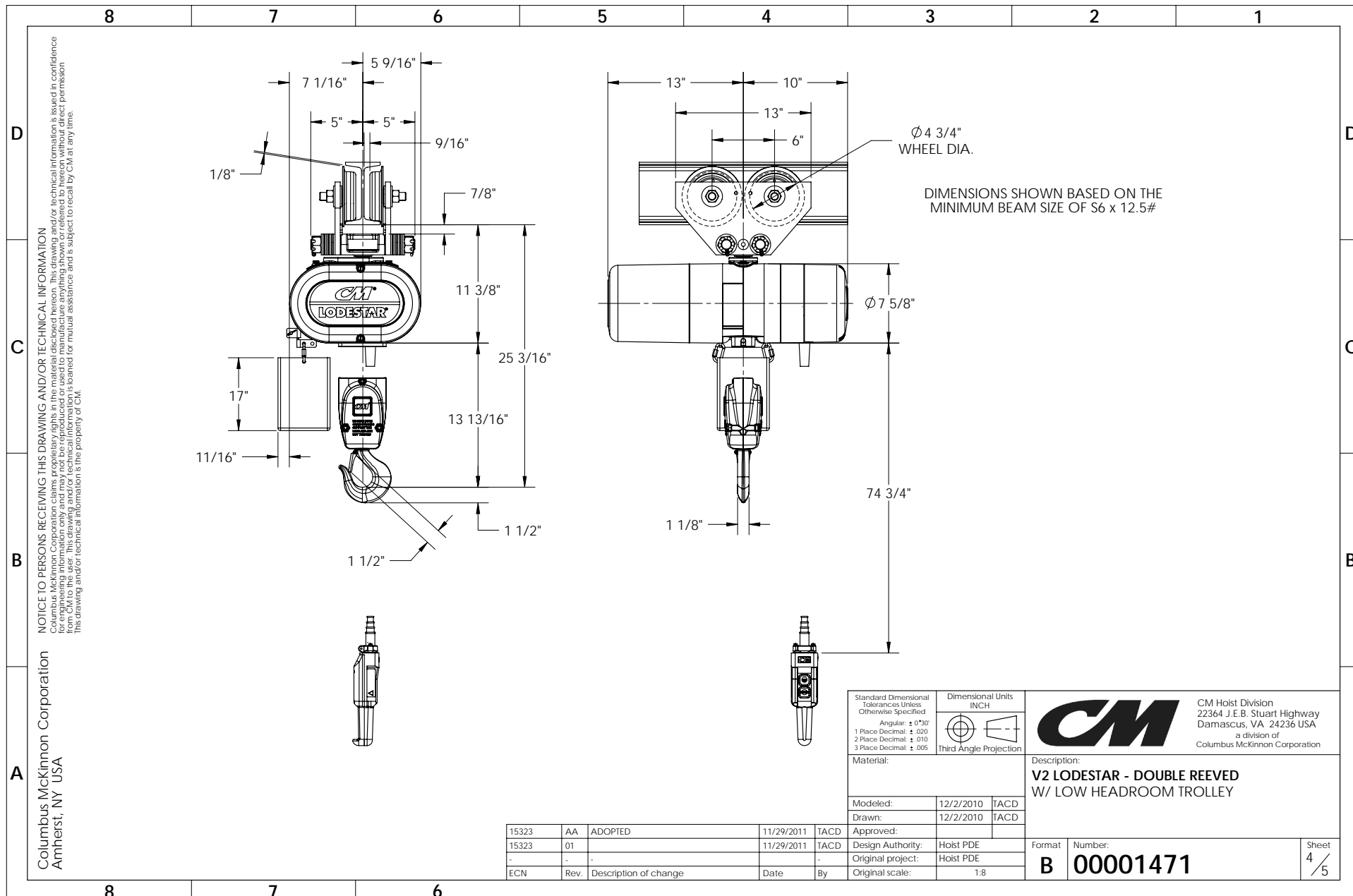


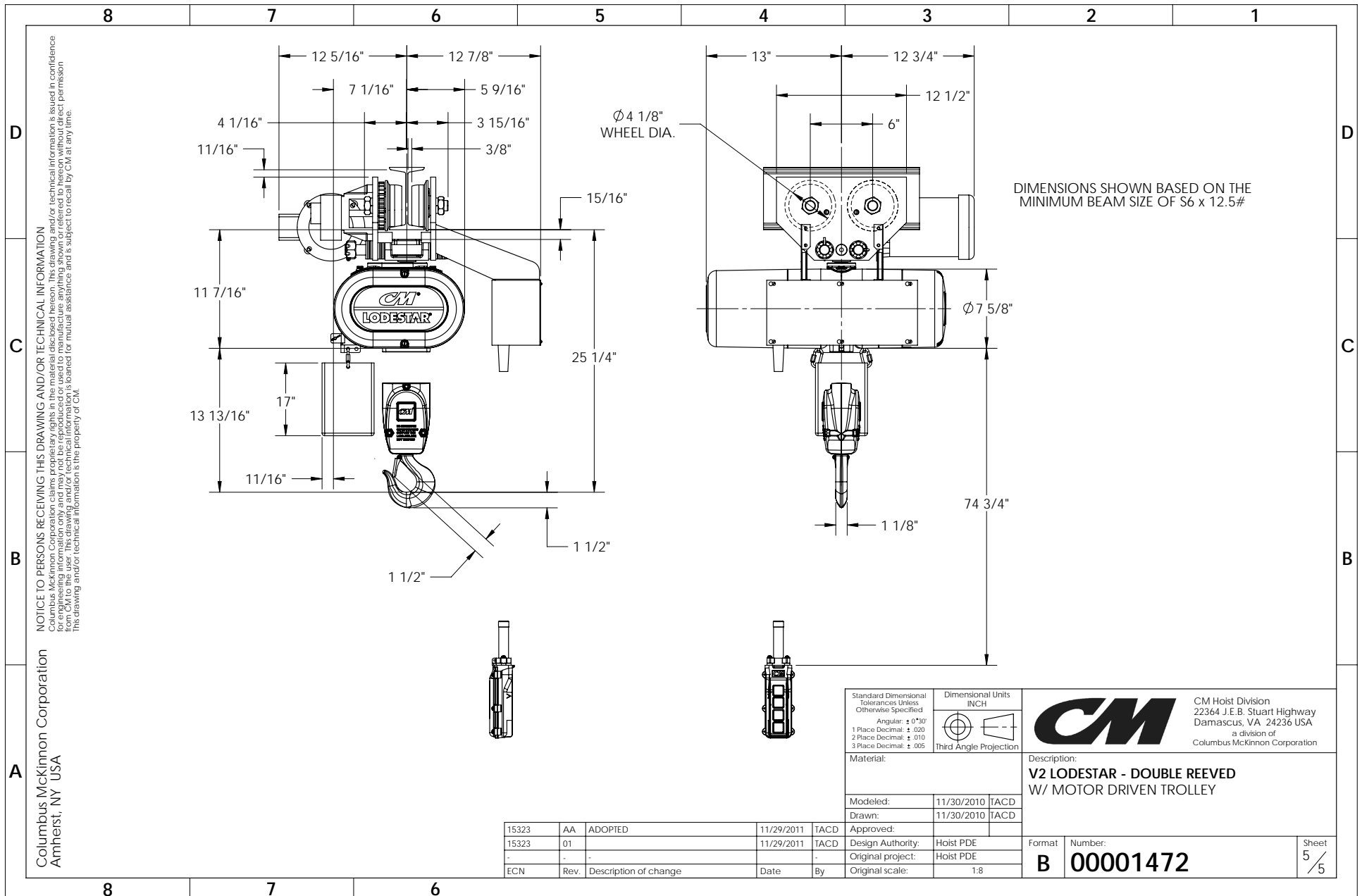


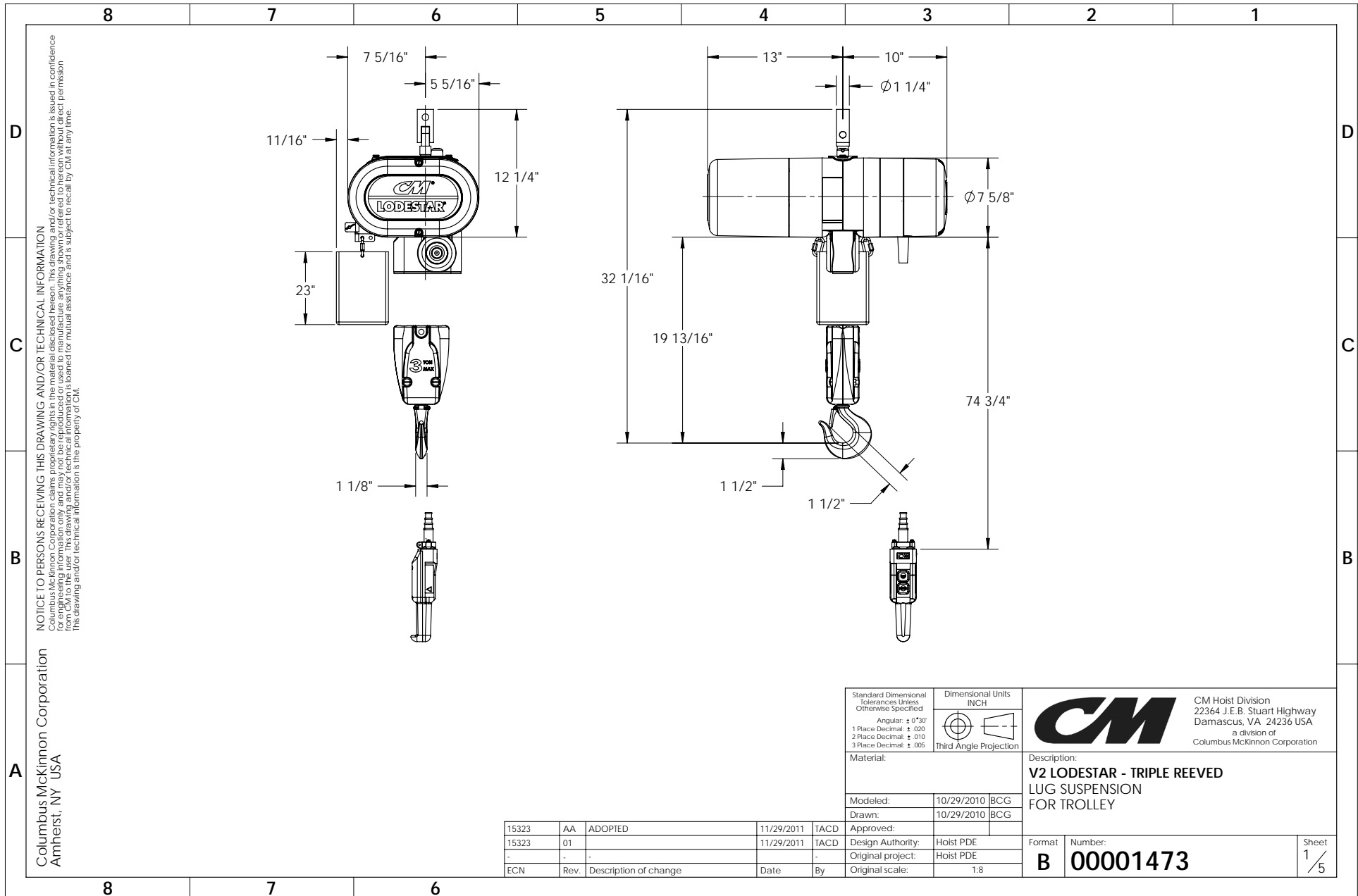


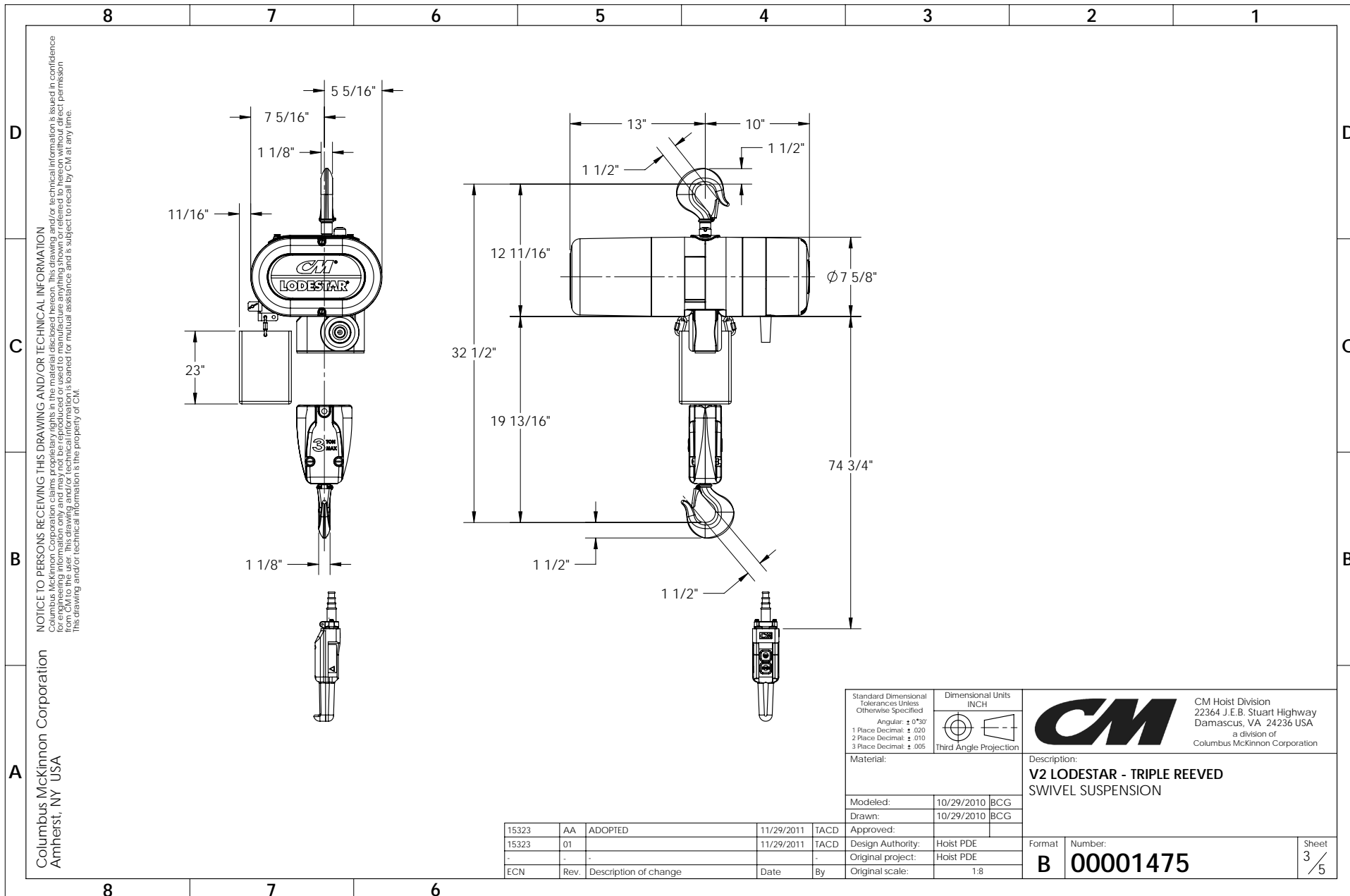


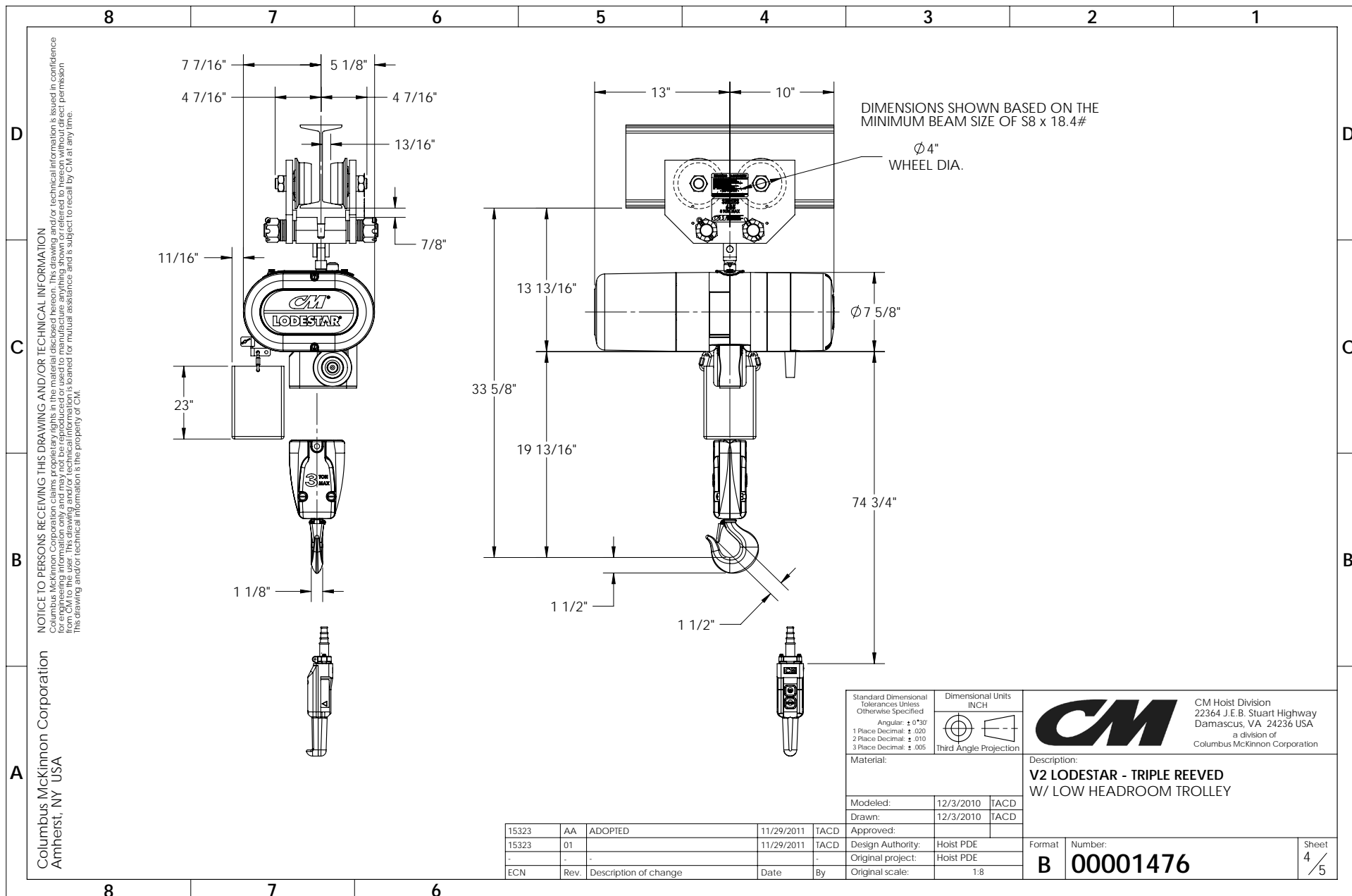


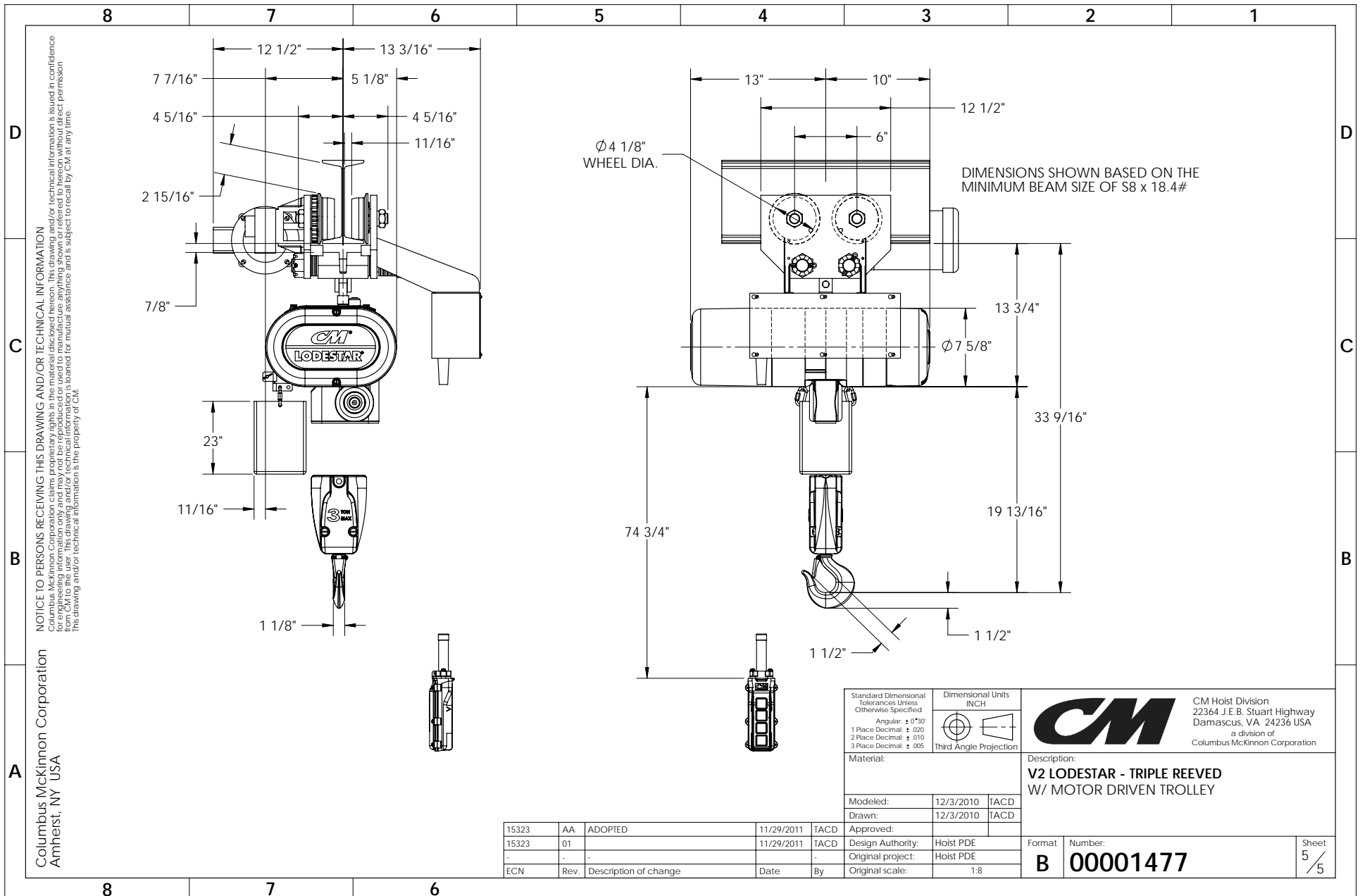


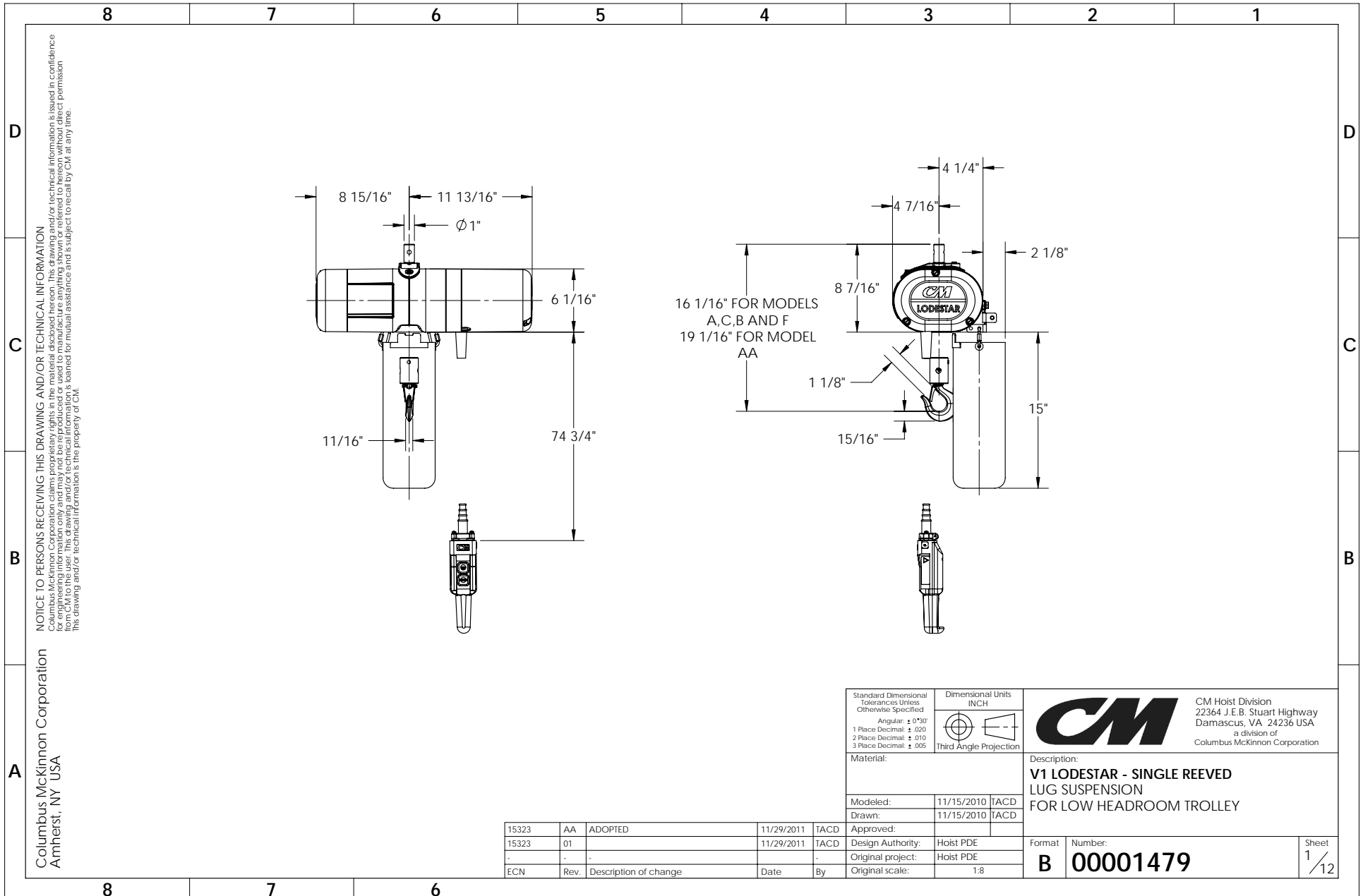


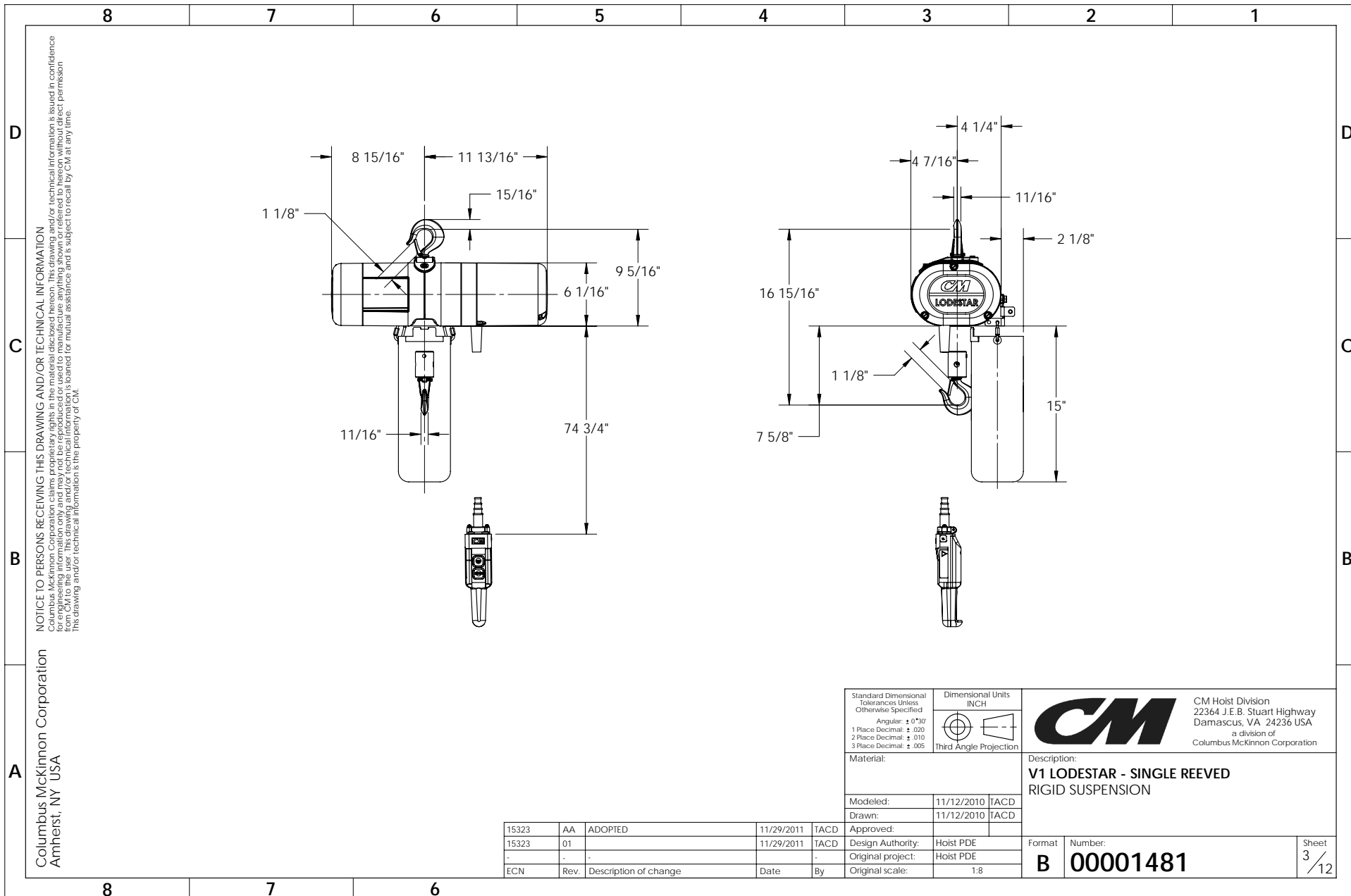


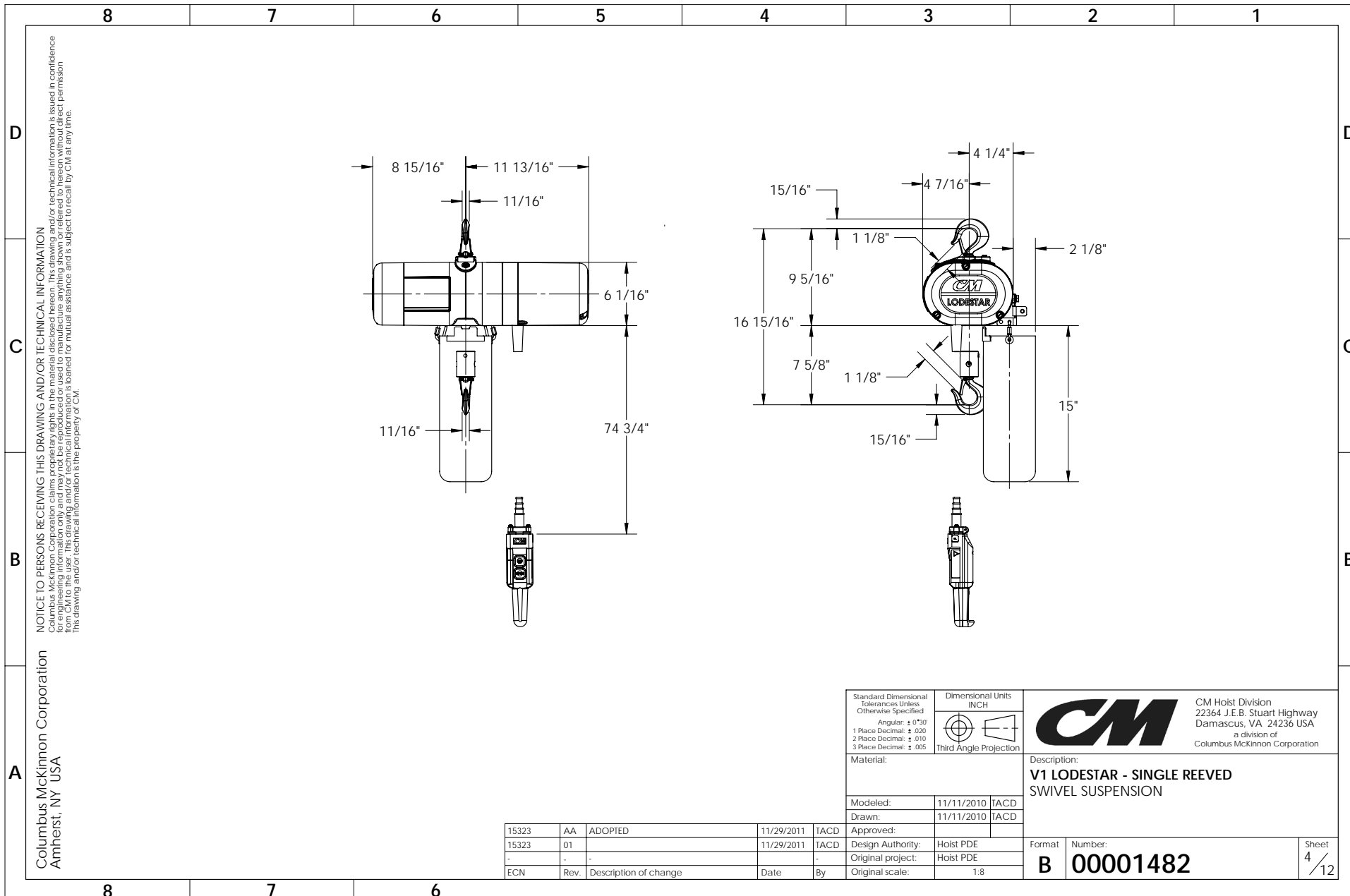


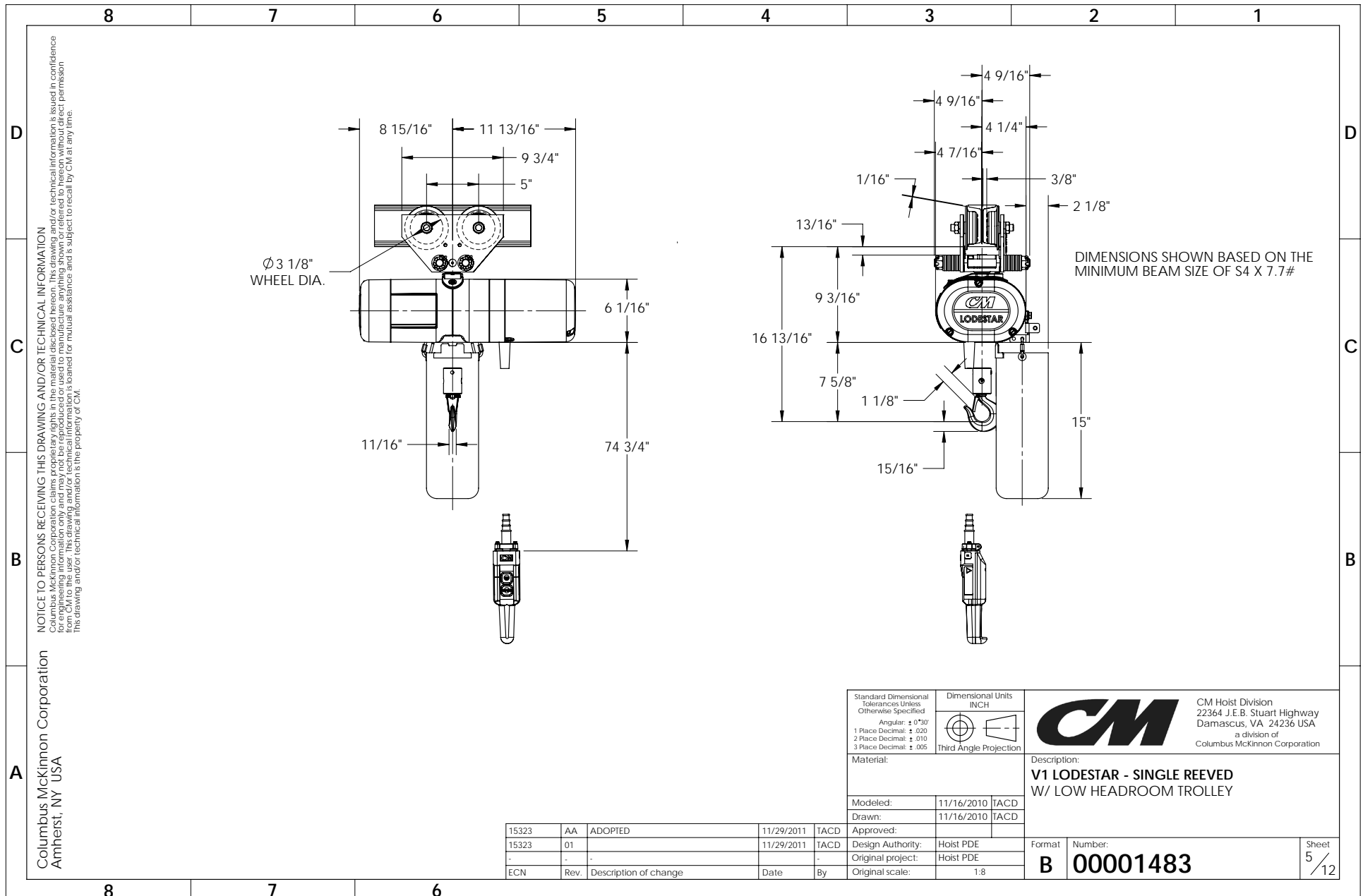


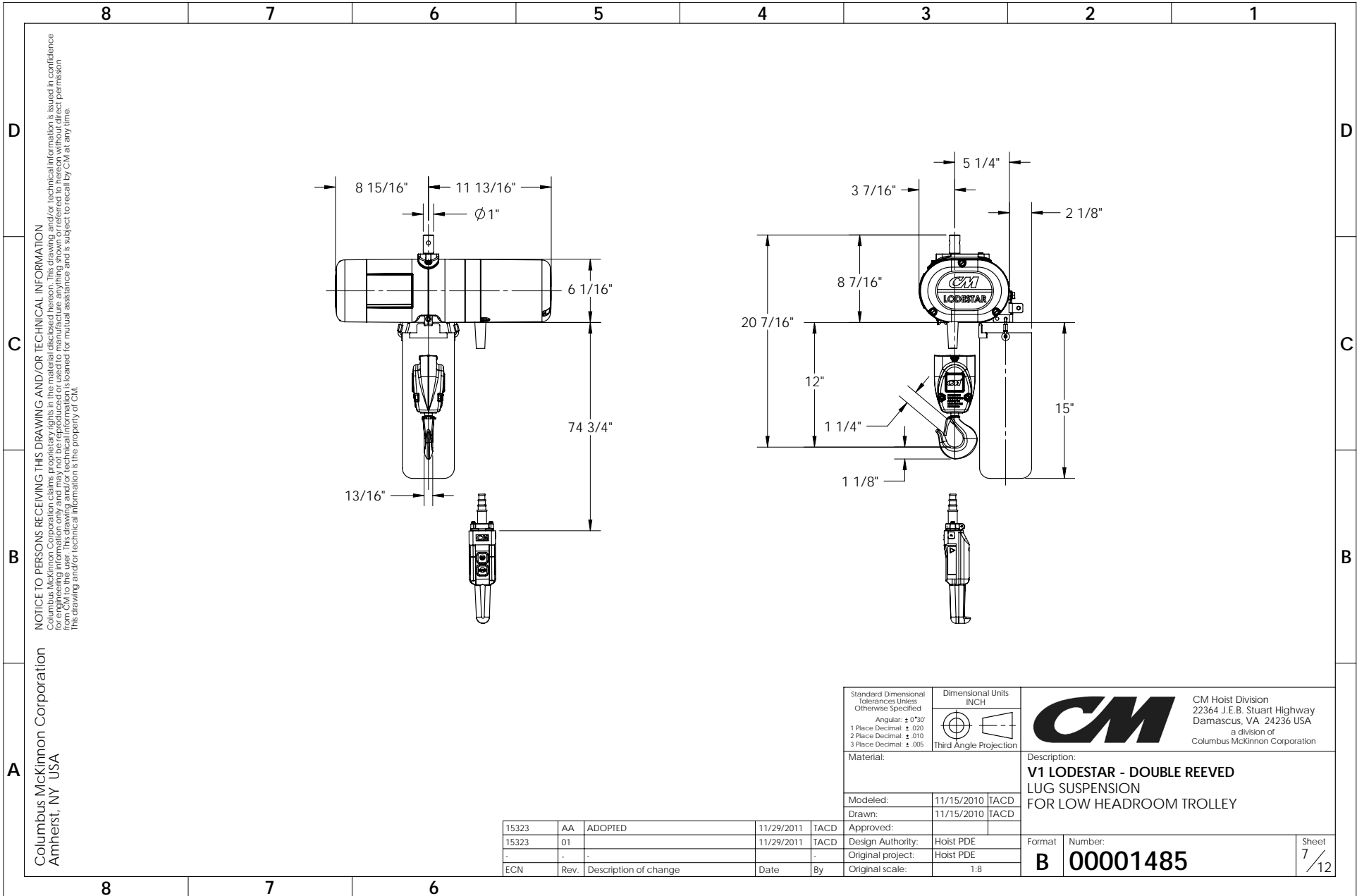


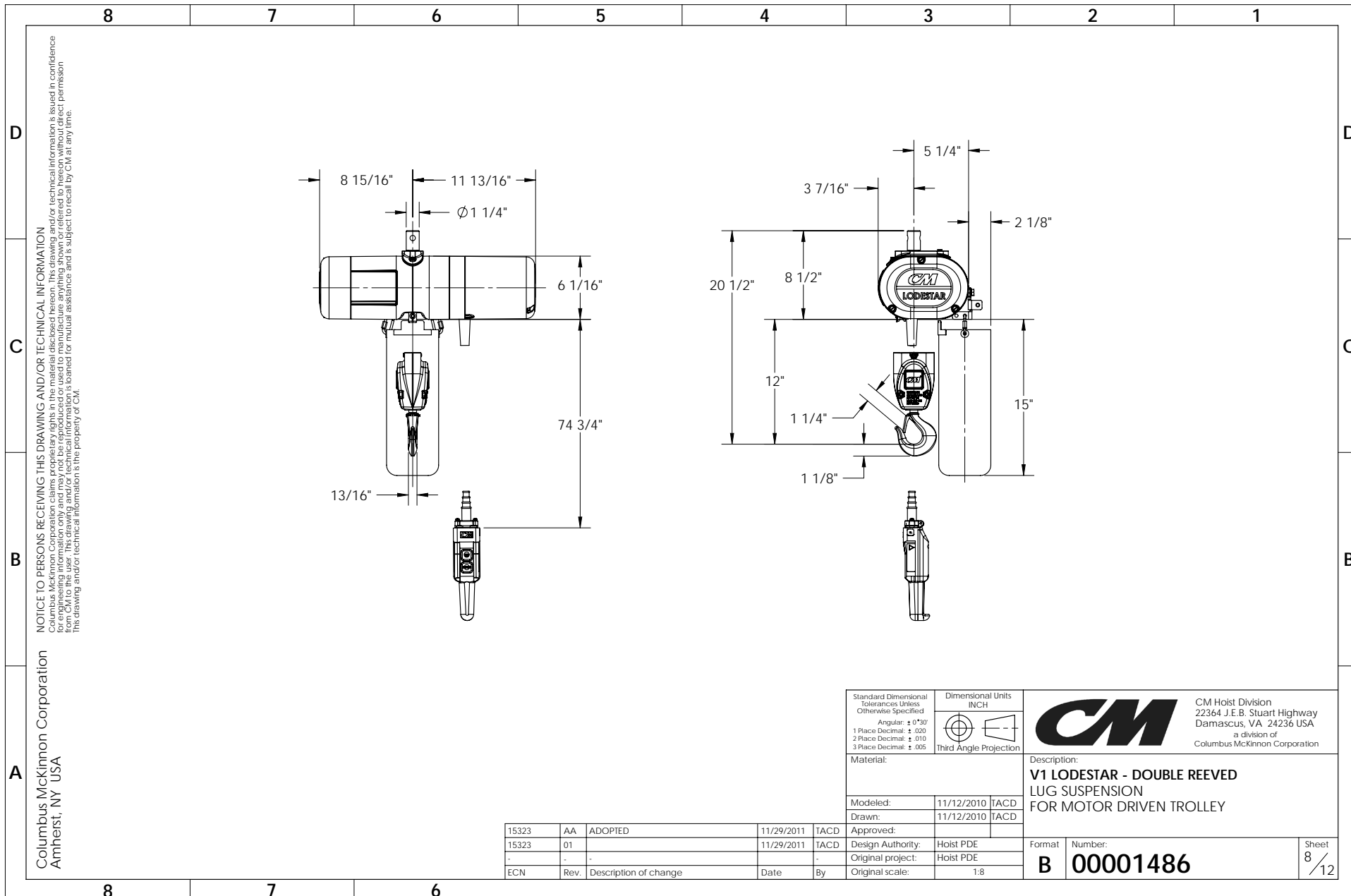


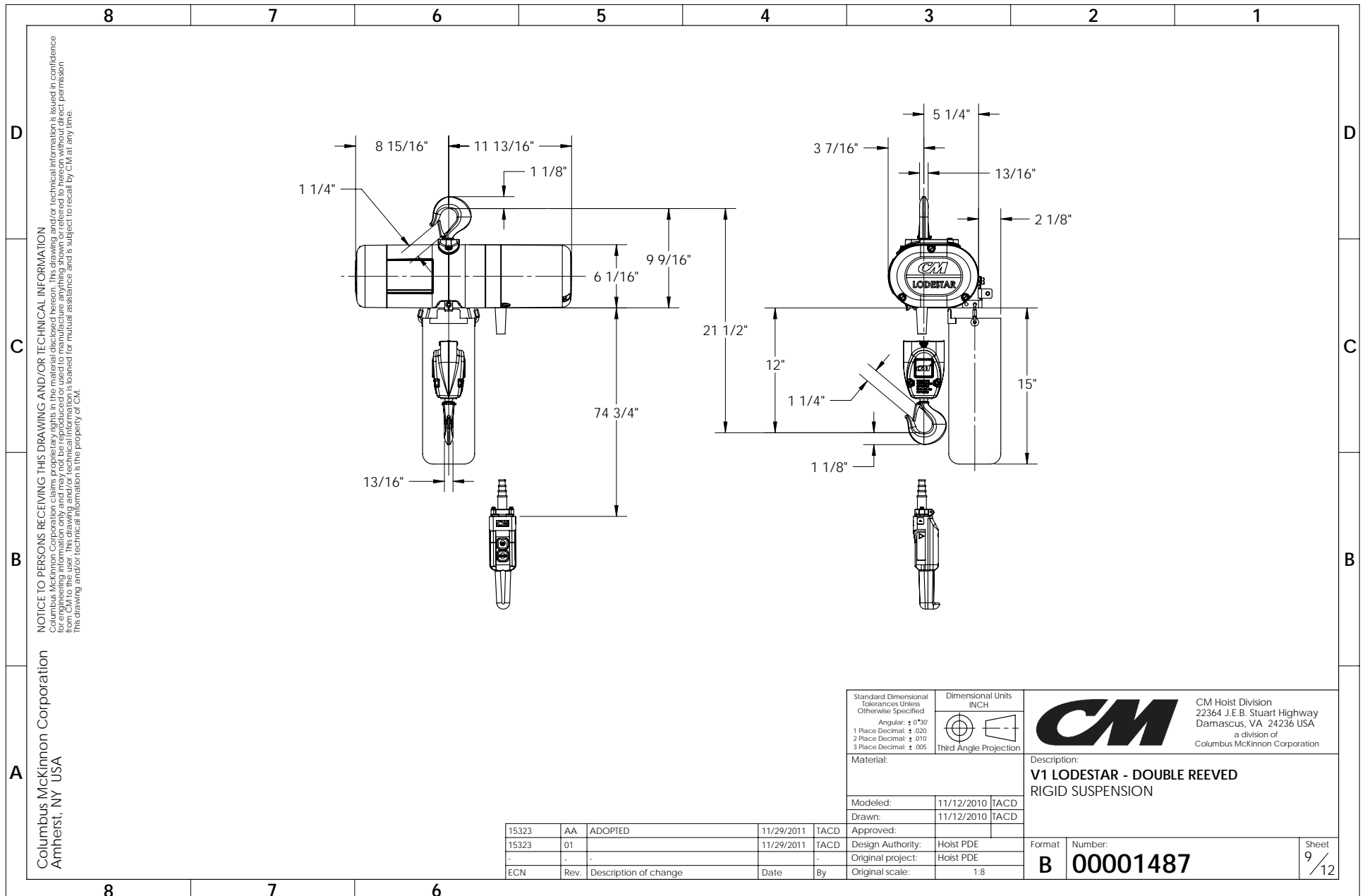


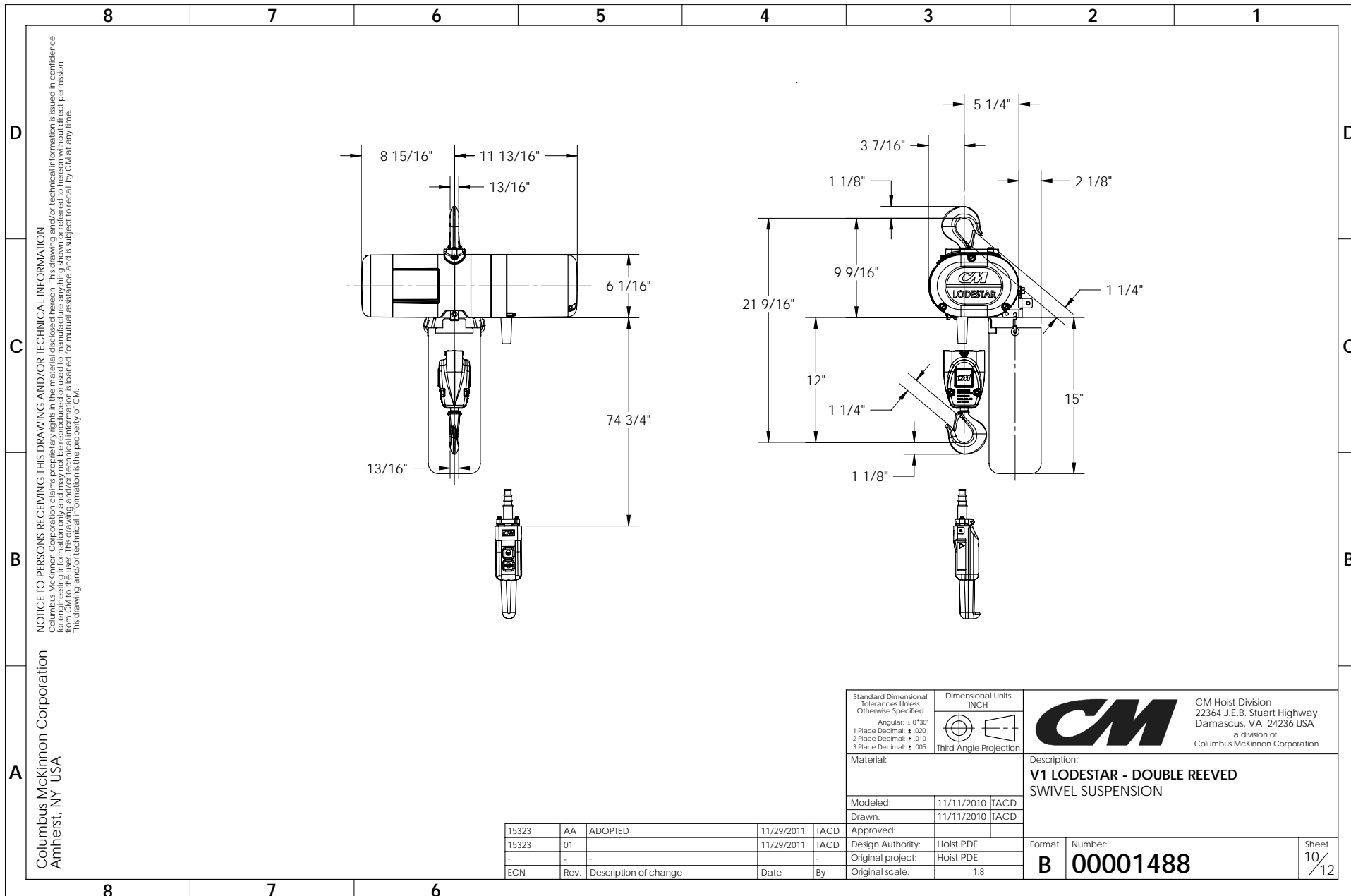


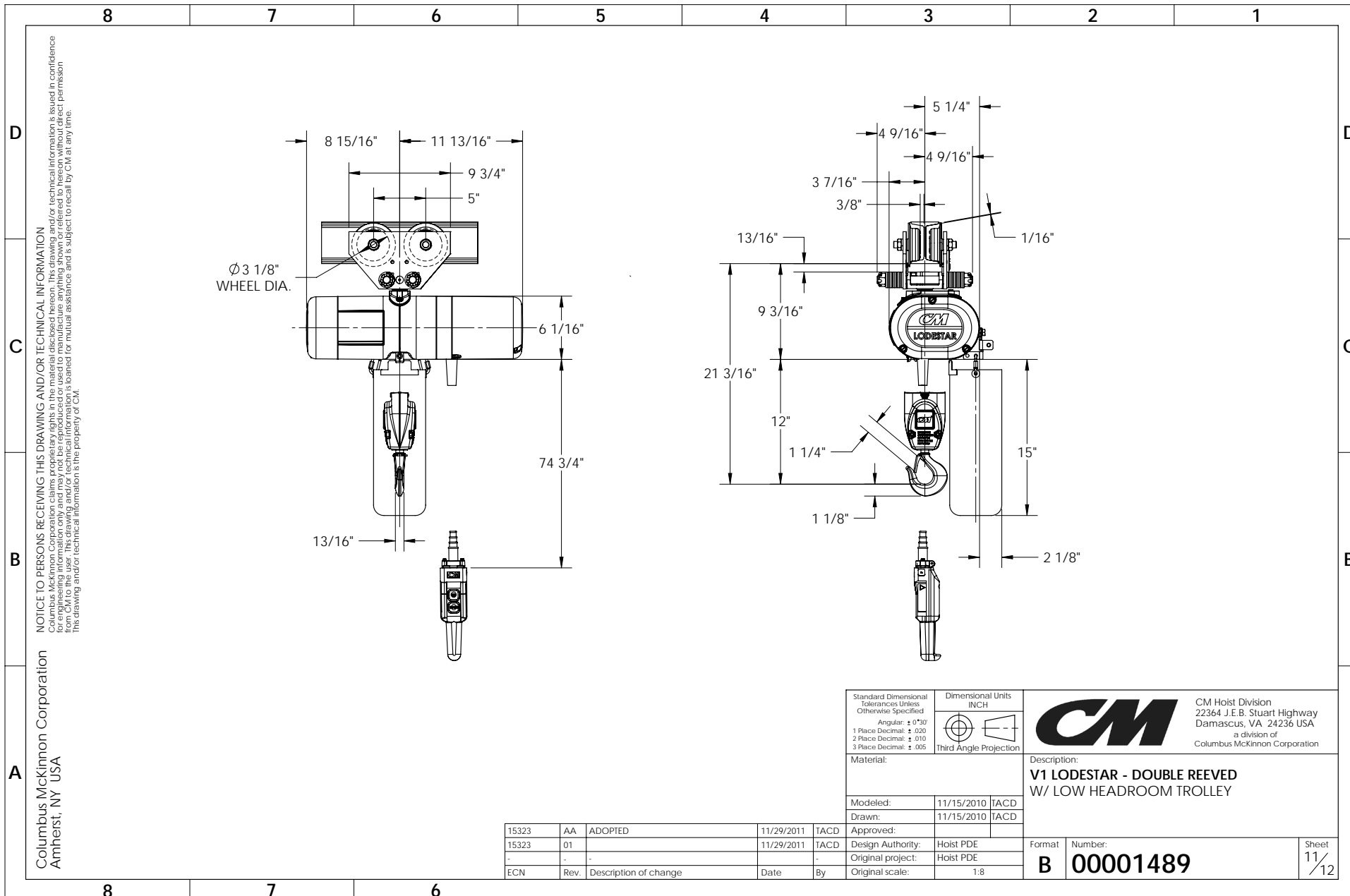


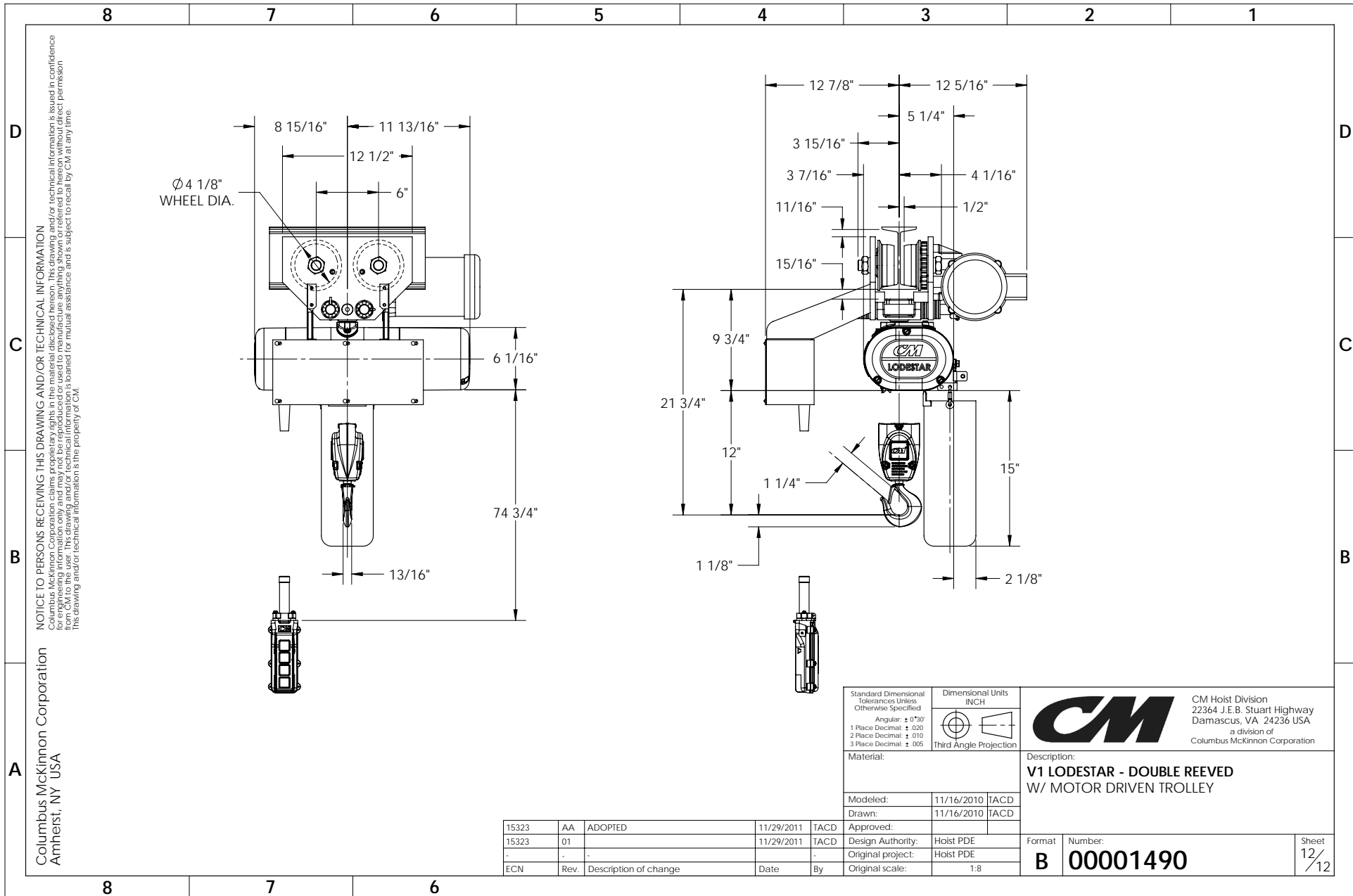












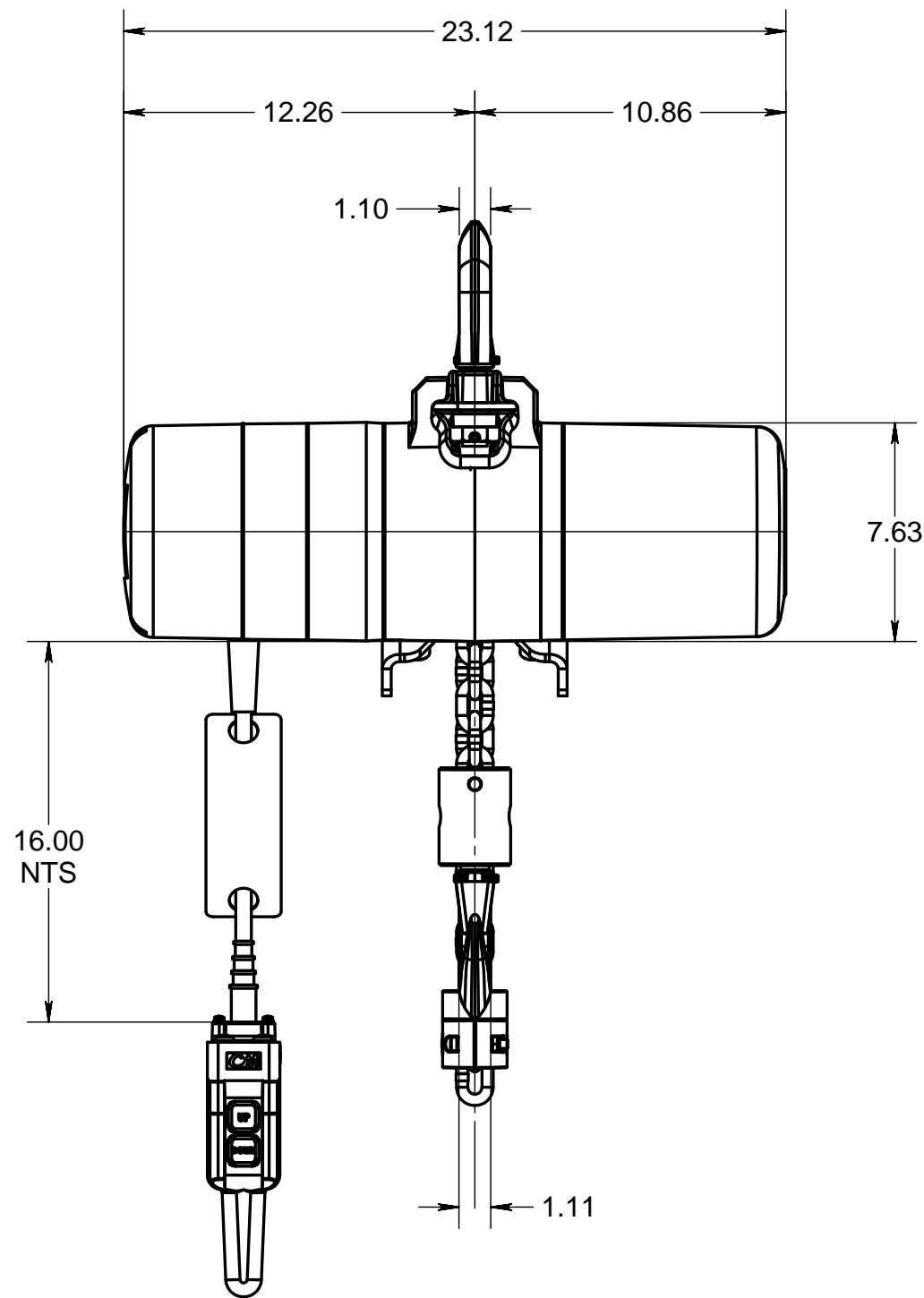
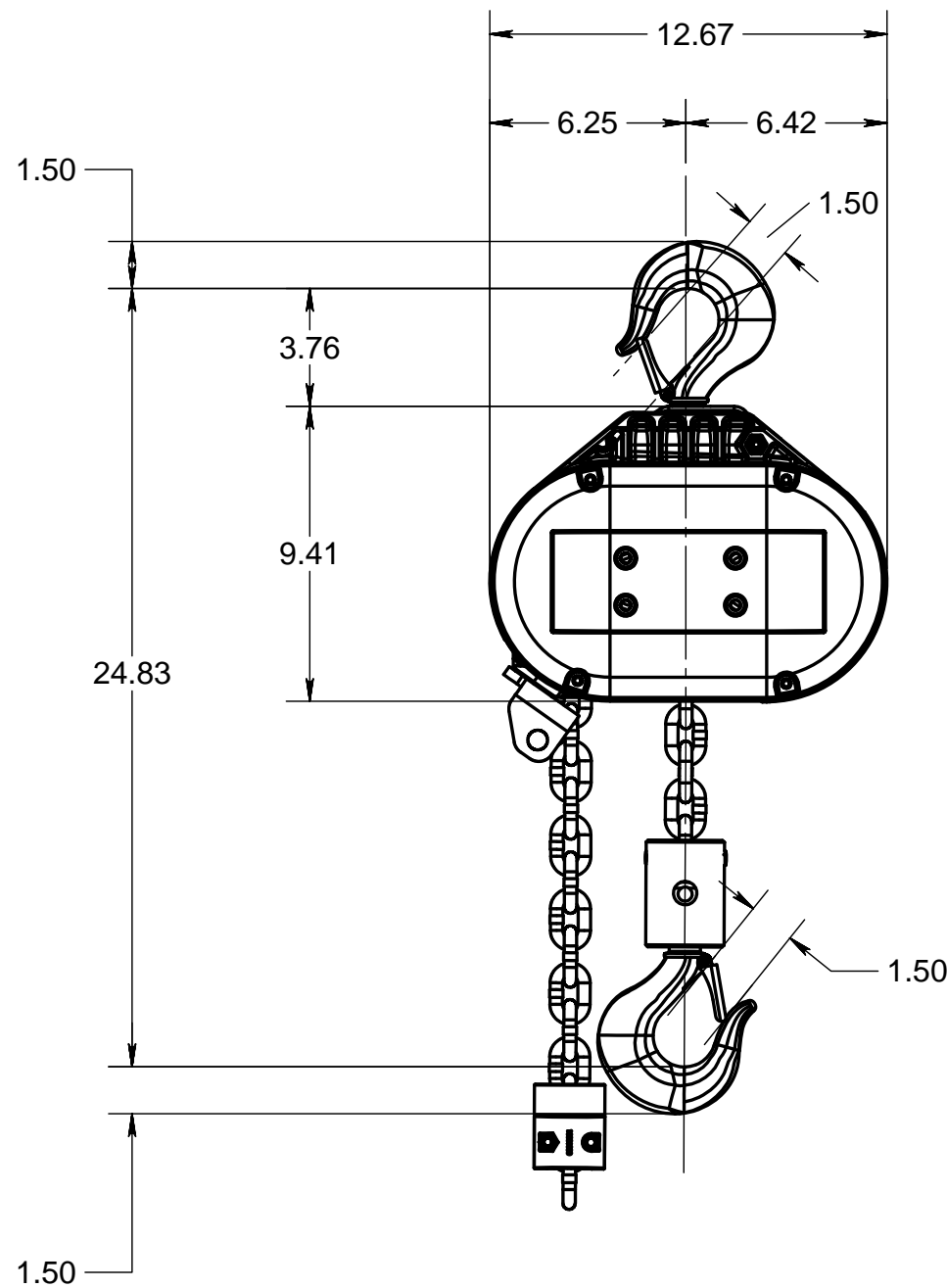


ELECTRIC CHAIN HOISTS

**DIMENSION DRAWINGS
FOR 2 TON SINGLE REEVED**

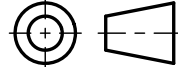
Distributed by Ergonomic Partners • Sales@ErgonomicPartners.com • 314-884-8884 • www.ErgonomicPartners.com

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Amherst, NY USA



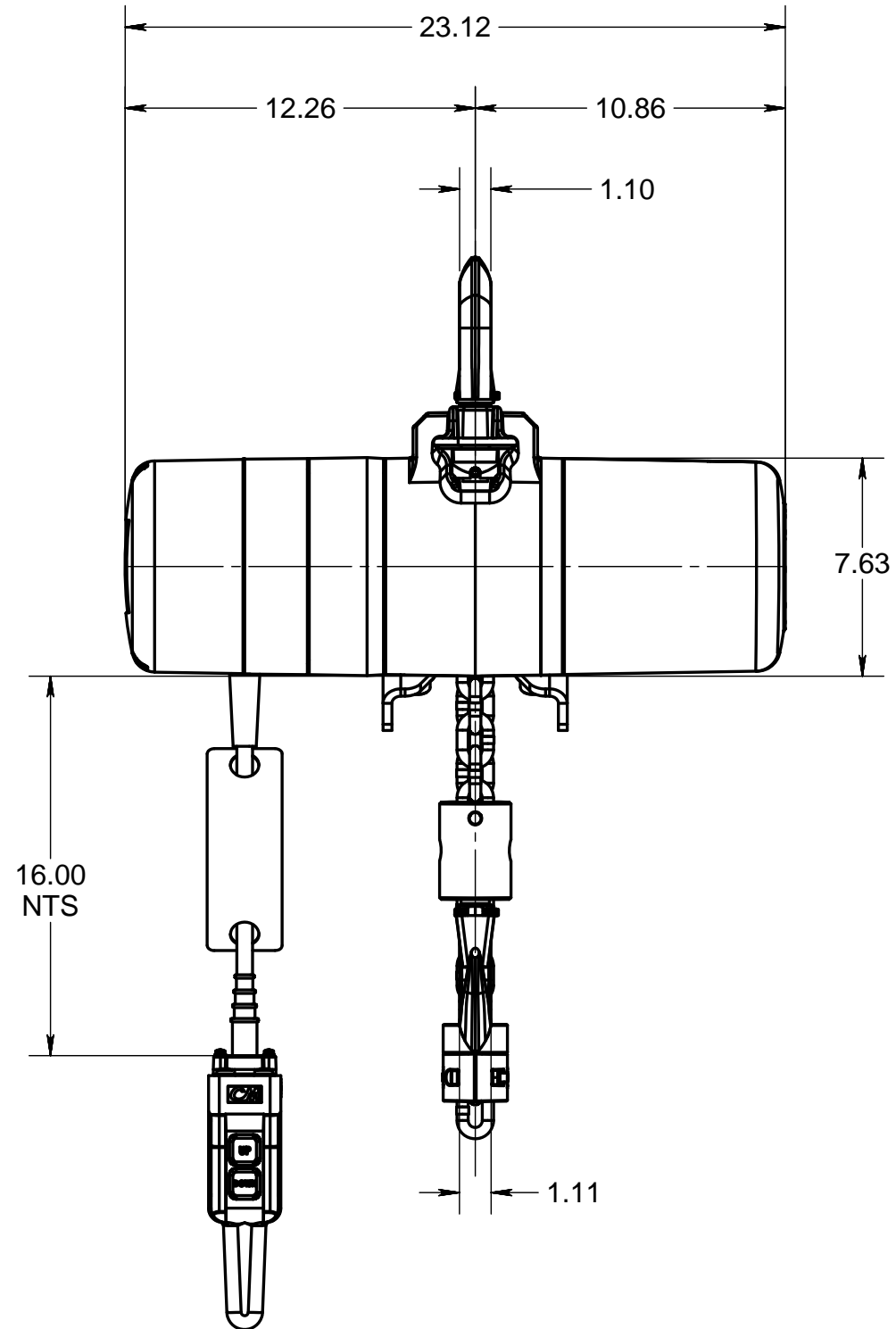
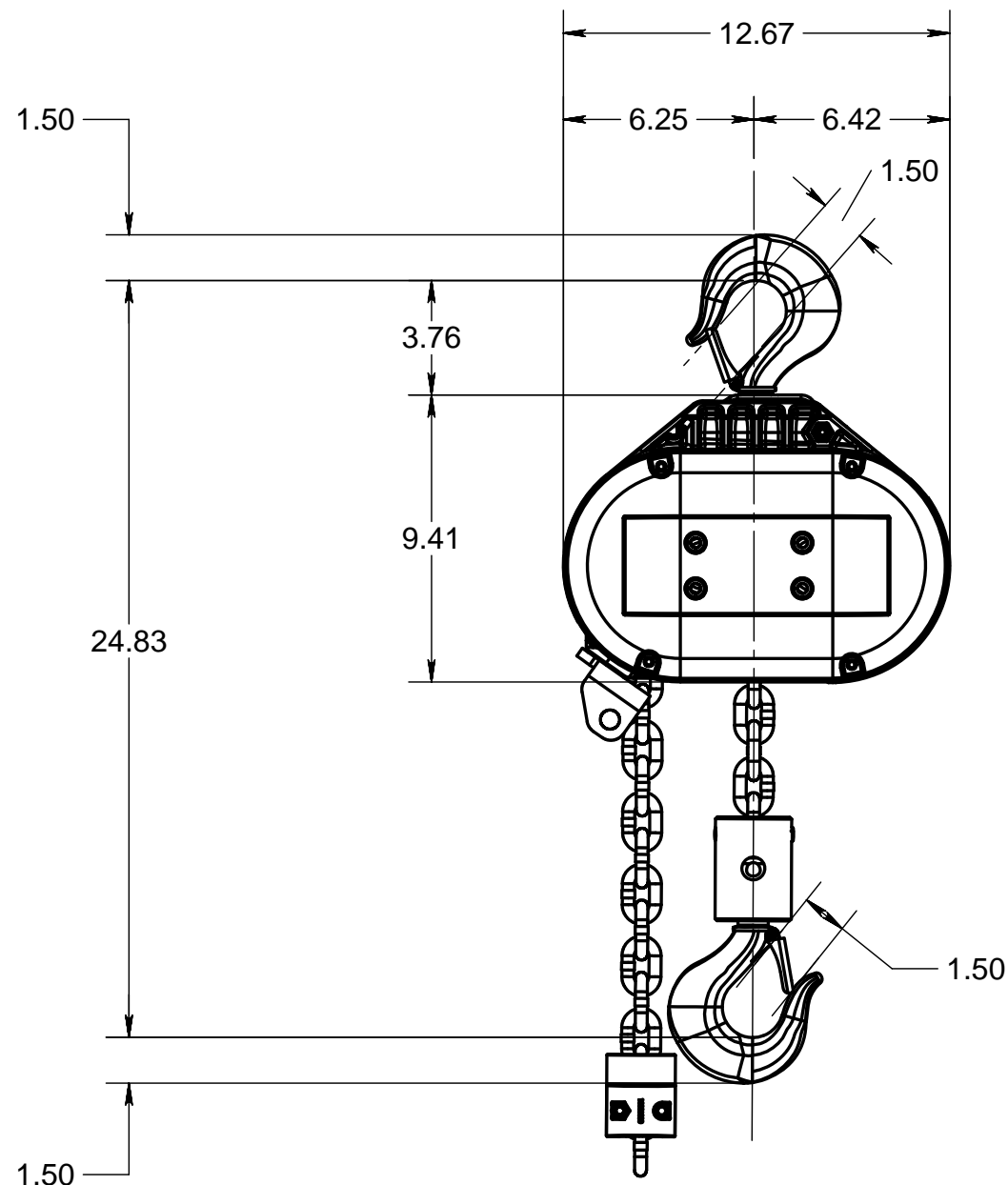
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ECN	Rev.	Description of change	Date	By	

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
	0" to 60"	Over 60"		Third Angle Projection	
.X	± .020	± .025			
.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
Material:					
Standard:					
Material No:					
Modeled:			7/10/2014		MSR
Drawn:			7/10/2014	MSR	
Approved:			7/10/2014	MSR	
Design Authority:			Damascus		
Original project:			CAD Data		
Original scale:			1:6		


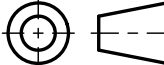
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COLUMBUS MCKINNON CORPORATION		Description: LODESTAR MODEL RRS W/SWIVEL LATCH TYPE HOOK	
Format	Number:		Sheet
B	1f-13055		1/1

Columbus McKinnon Corporation
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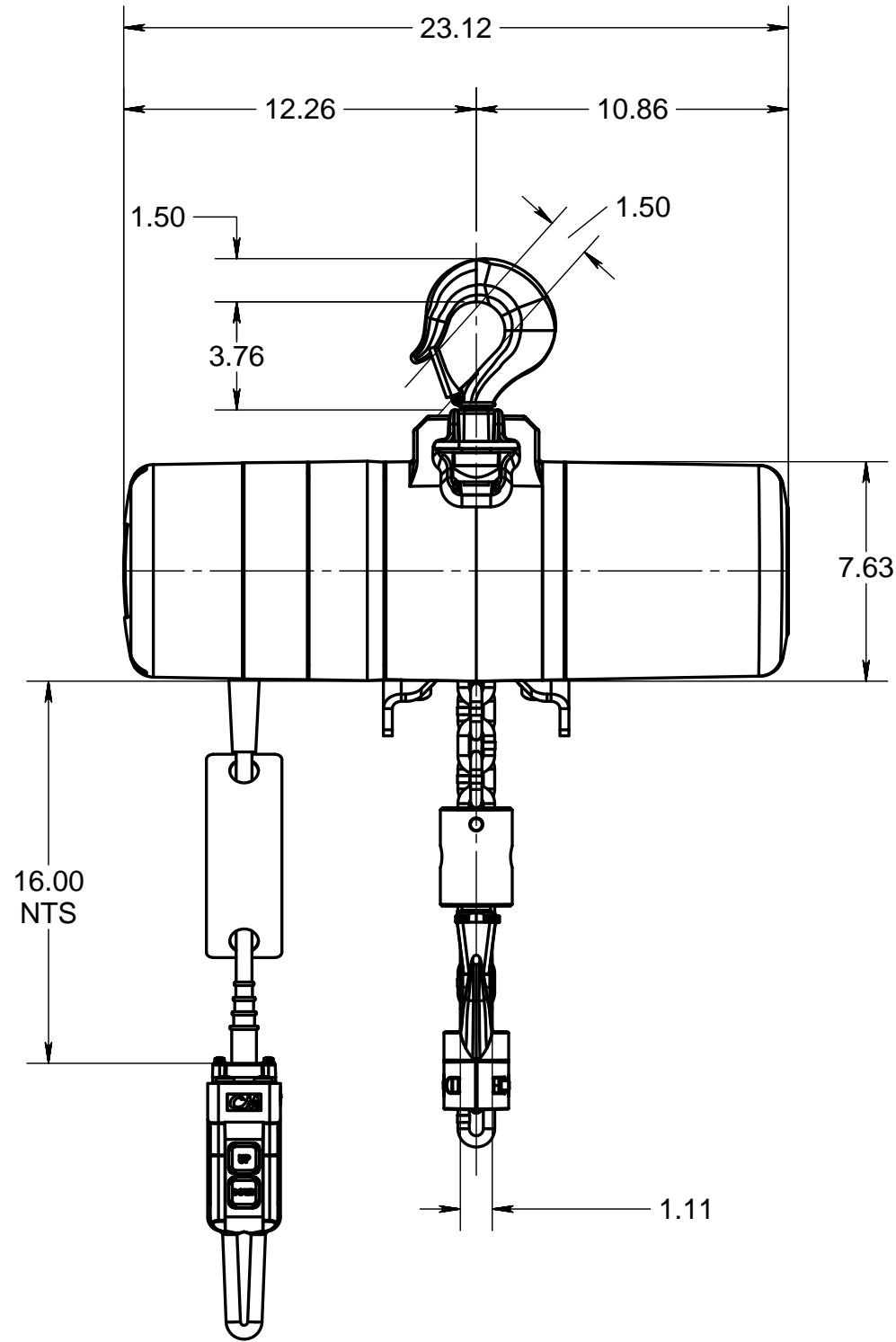
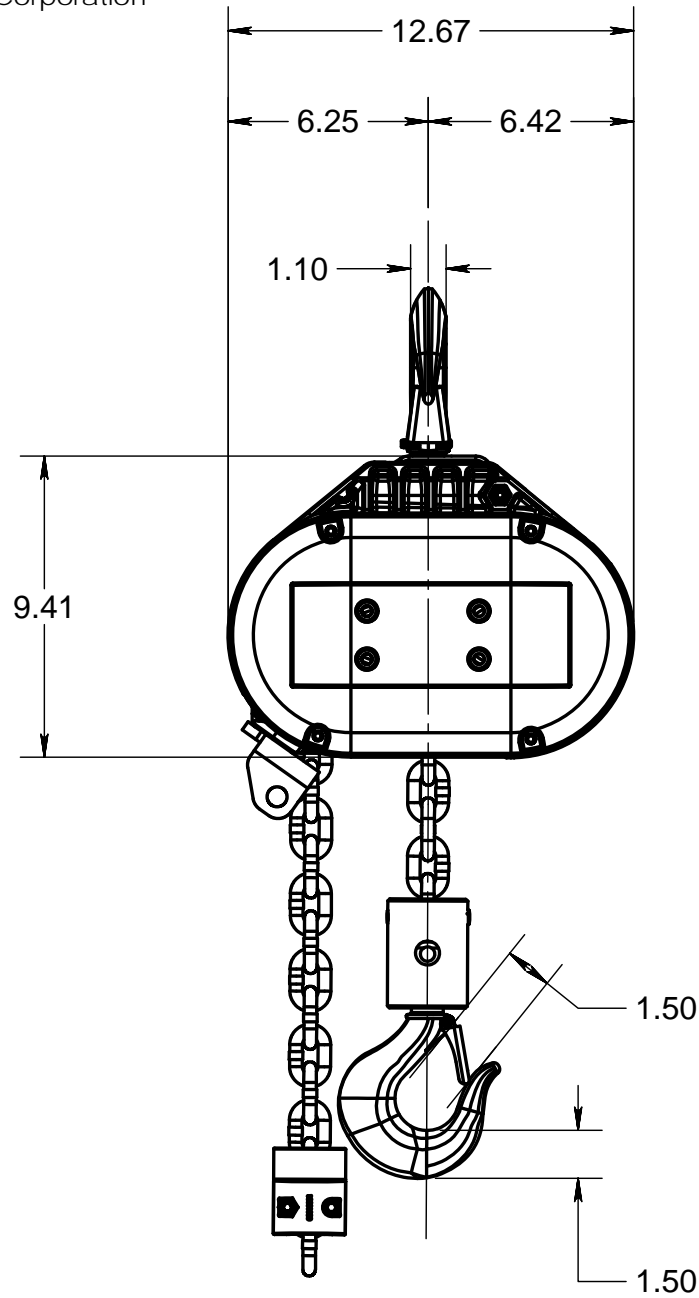


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ECN	Rev.	Description of change	Date	By	

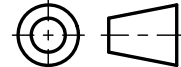
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA						
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.X	± .020	± .025									
.XX	± .010	± .015									
.XXX	± .005	± .010									
Ang	± 0°30'	± 0°30'									
Material:			Description: LODESTAR MODEL RRS W/RIGID LATCH TYPE HOOK								
Standard:											
Material No:											
Modeled:	7/10/2014	MSR									
Drawn:	7/10/2014	MSR									
Approved:	7/10/2014	MSR	Format B								
Design Authority:	Damascus					Number: 1f-13056					
Original project:	CAD Data								Sheet 1/1		
Original scale:	1:6										

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ECN	Rev.	Description of change	Date	By	

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0° to 60°	Over 60°	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
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Approved:			7/10/2014	MSR
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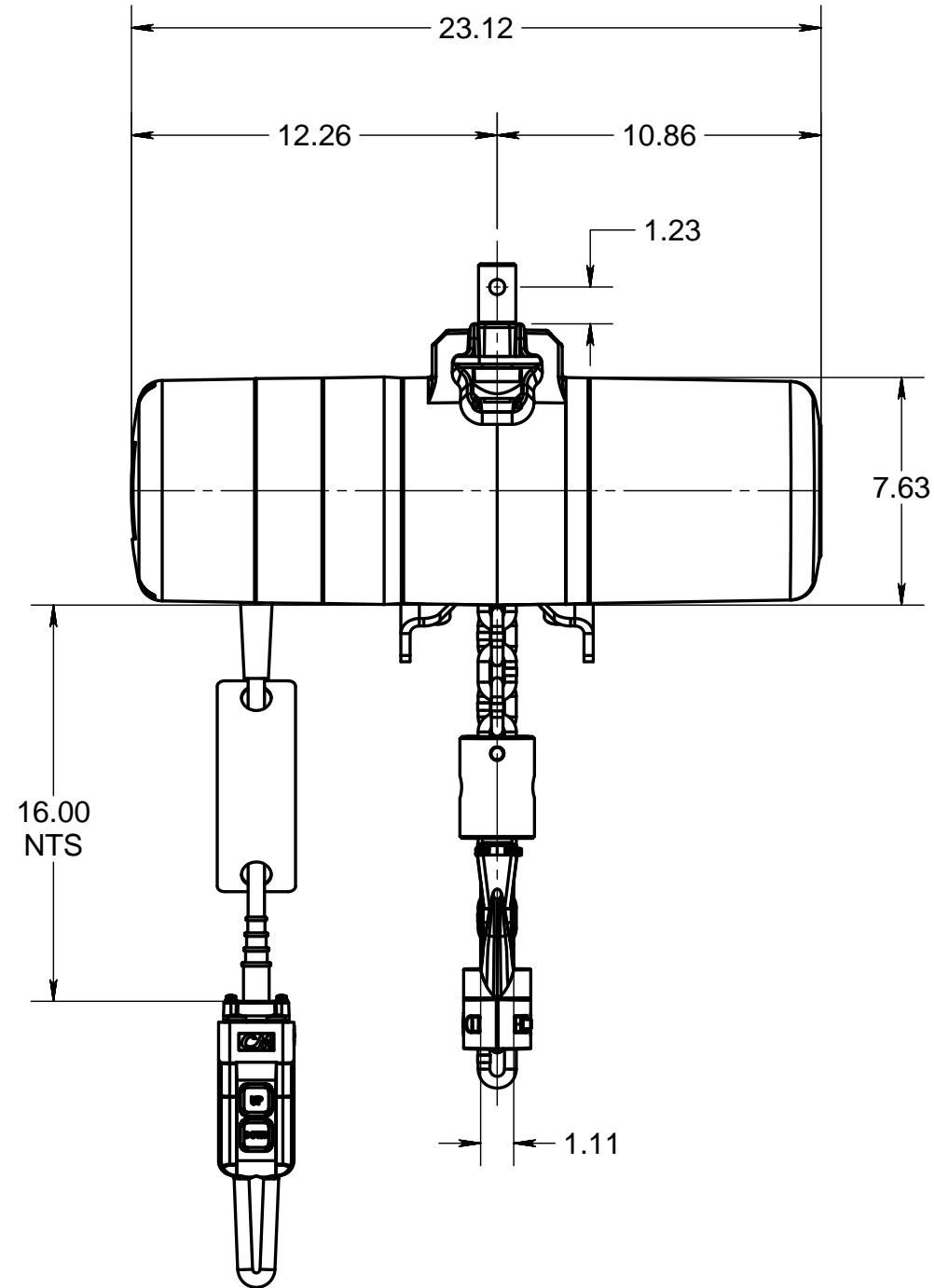
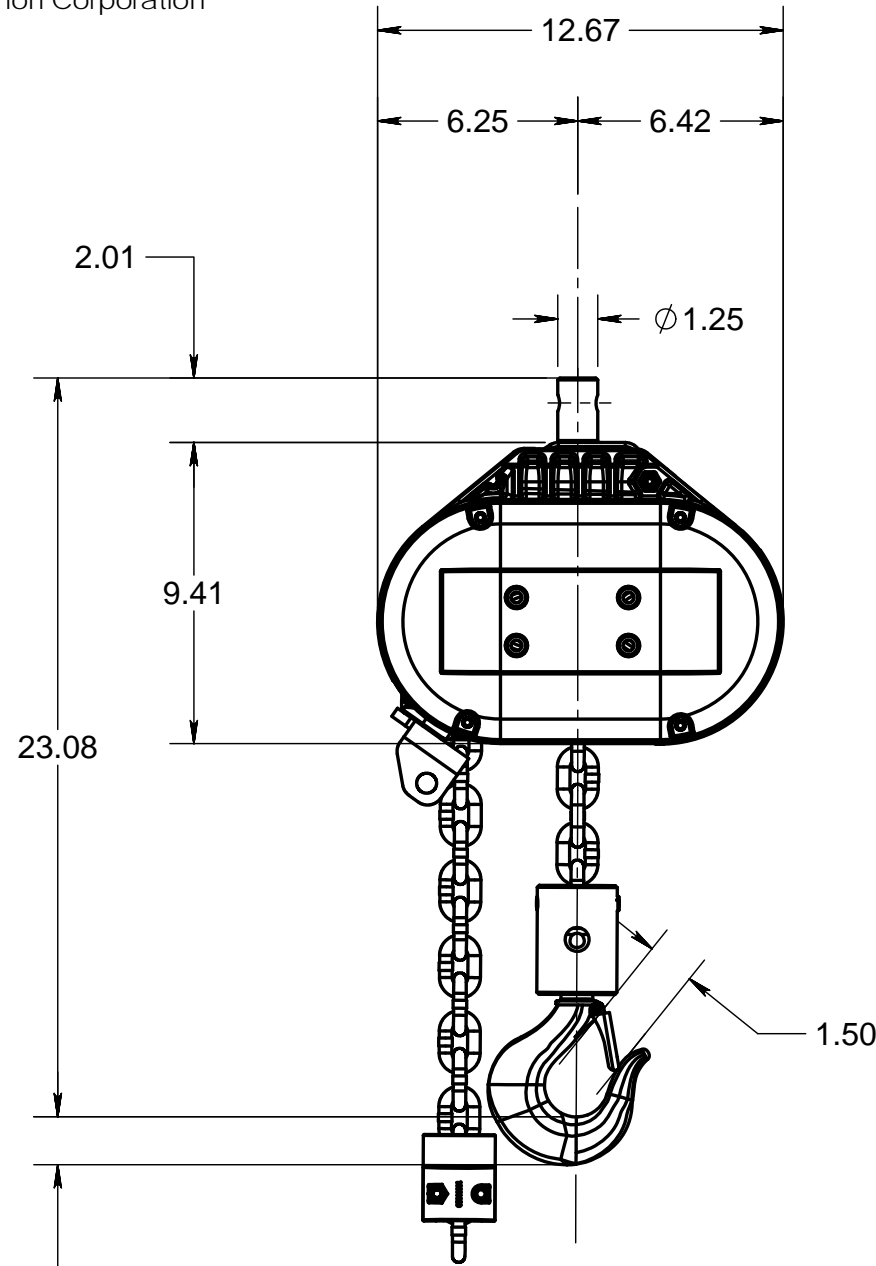
Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

Format
B

Number:
1f-13057


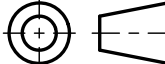
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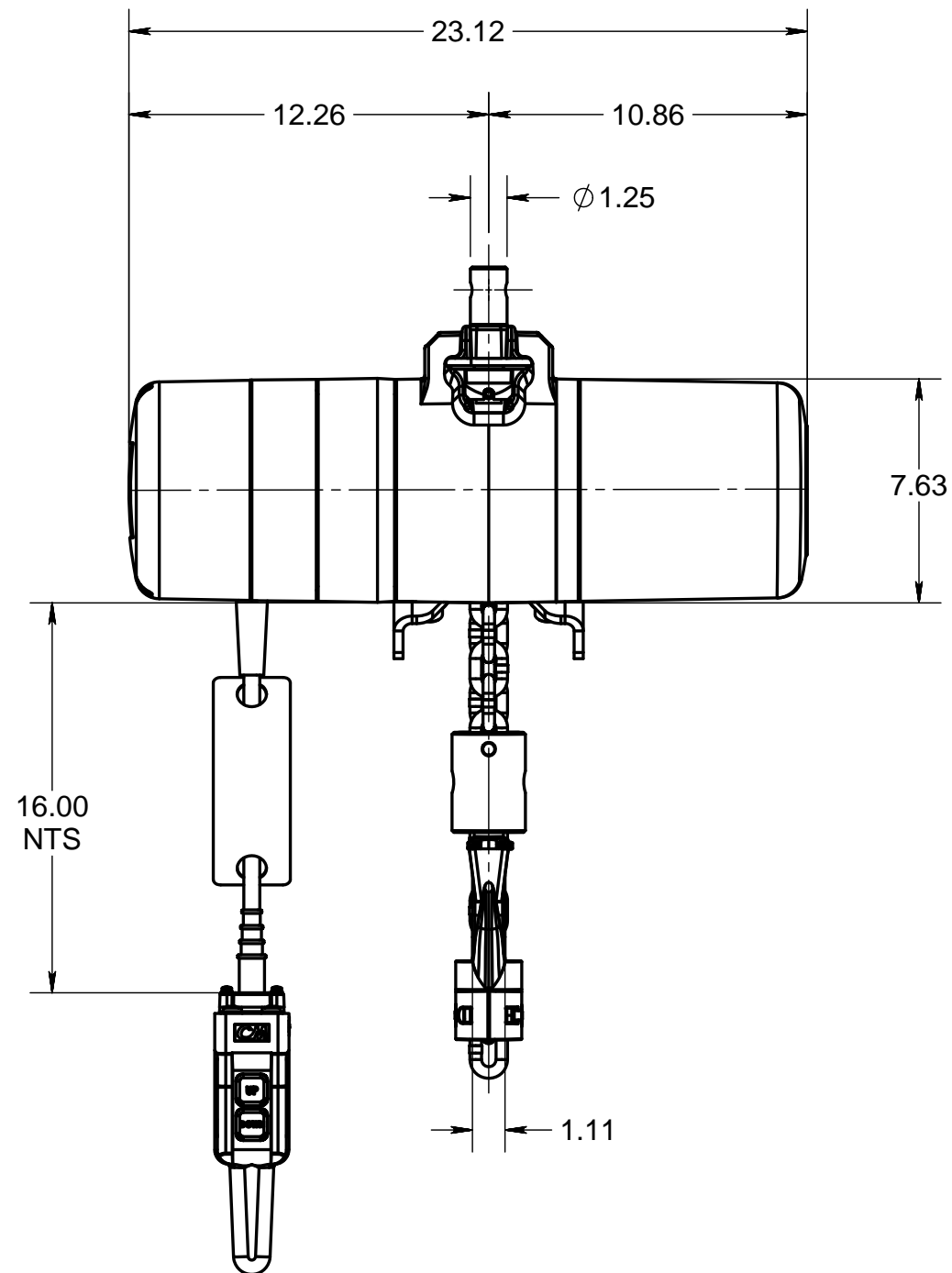
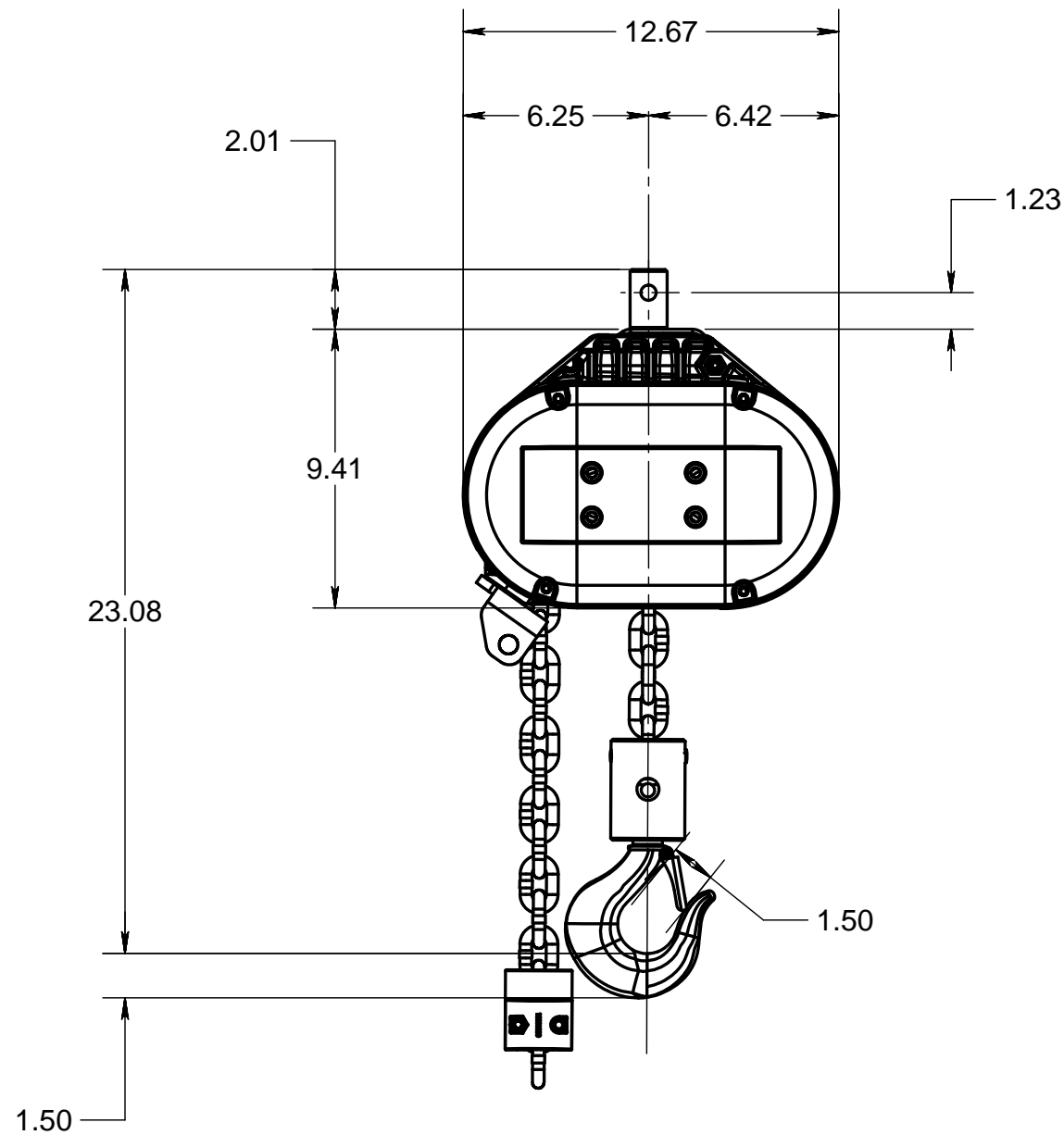
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ECN	Rev.	Description of change	Date	By	

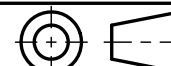
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.XX	± .010	± .015				
.XXX	± .005	± .010				
Ang	± 0°30'	± 0°30'				
Third Angle Projection						
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Standard:						
Material No:						
Modeled:						7/10/2014
Drawn:			7/10/2014	MSR		
Approved:			7/10/2014	MSR		
Design Authority:			Damascus		Format B	
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Standard Dimensional Tolerances Unless Otherwise Specified		Dimensional Units INCH	
	0" to .60"	Over .60"	 Third Angle Projection
.X	± .020	± .025	
.XX	± .010	± .015	
.XXX	± .005	± .010	
Ang	± 0°30'	± 0°30'	
Material:			
Standard:			
Material No:			
Modeled:	7/10/2014	MSR	
Drawn:	7/10/2014	MSR	
Approved:	7/10/2014	MSR	
Design Authority:	Damascus		
Original project:	CAD Data		
Original scale:	1:6		



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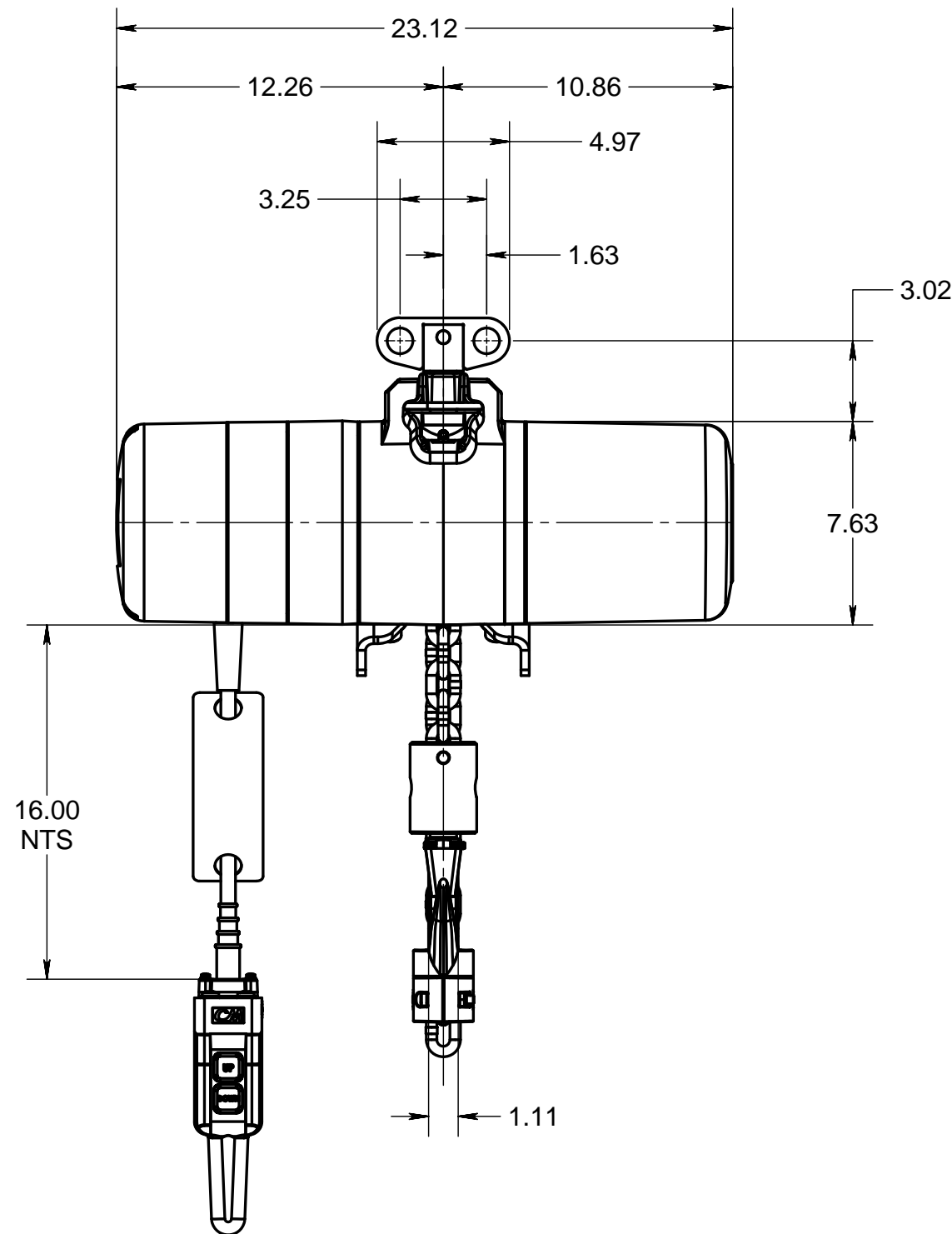
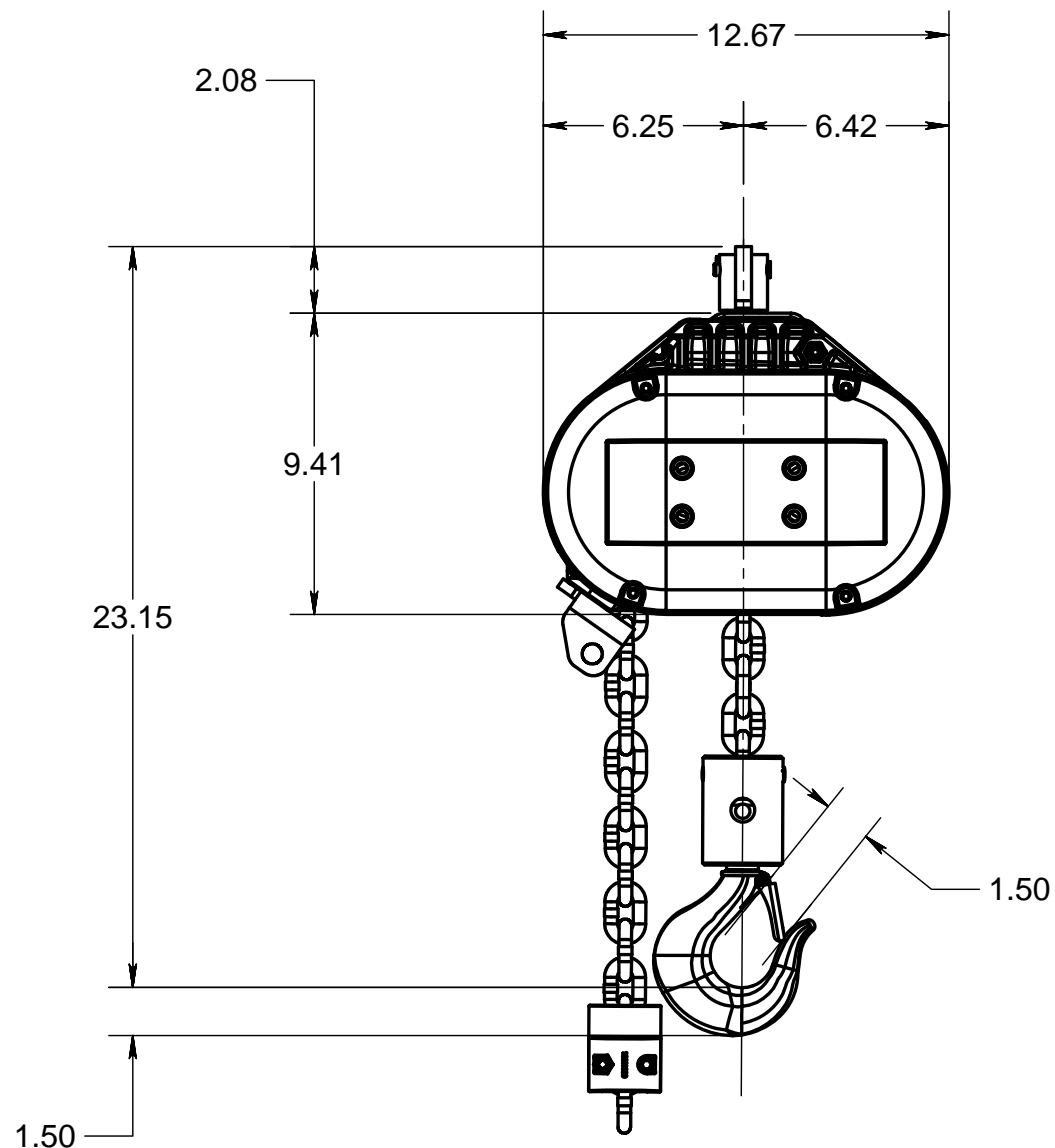
Description: LODESTAR MODEL RRS W/CROSS MOUNT RIGID LUG
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ECN	Rev.	Description of change	Date	B

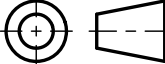
Format B	Number: 1f-13059	Sheet 1 / 1
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ECN	Rev.	Description of change	Date	By	

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
	0° to 60°	Over 60°	 Third Angle Projection		
.X	± .020	± .025			
.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
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Standard:					
Material No:					
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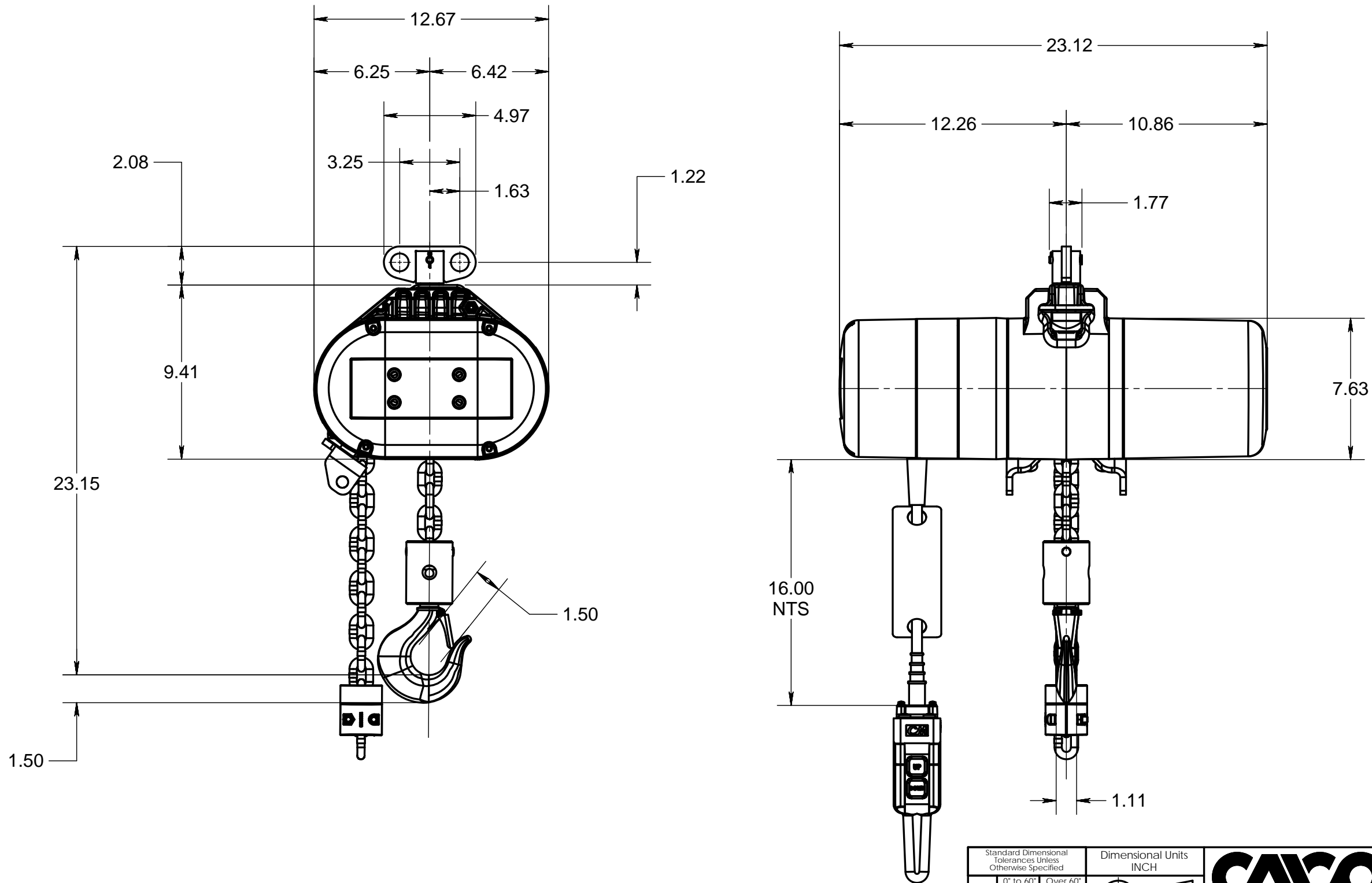
Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

Description:
LODESTAR MODEL RRS
W/UNIVERSAL TROLLEY LUG

Format: **B**
Number: **1f-13060**

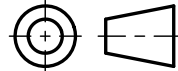
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ECN	Rev.	Description of change	Date	By

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0" to .60"	Over .60"	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
Standard:				
Material No:				
Modeled:		7/10/2014	MSR	
Drawn:		7/10/2014	MSR	
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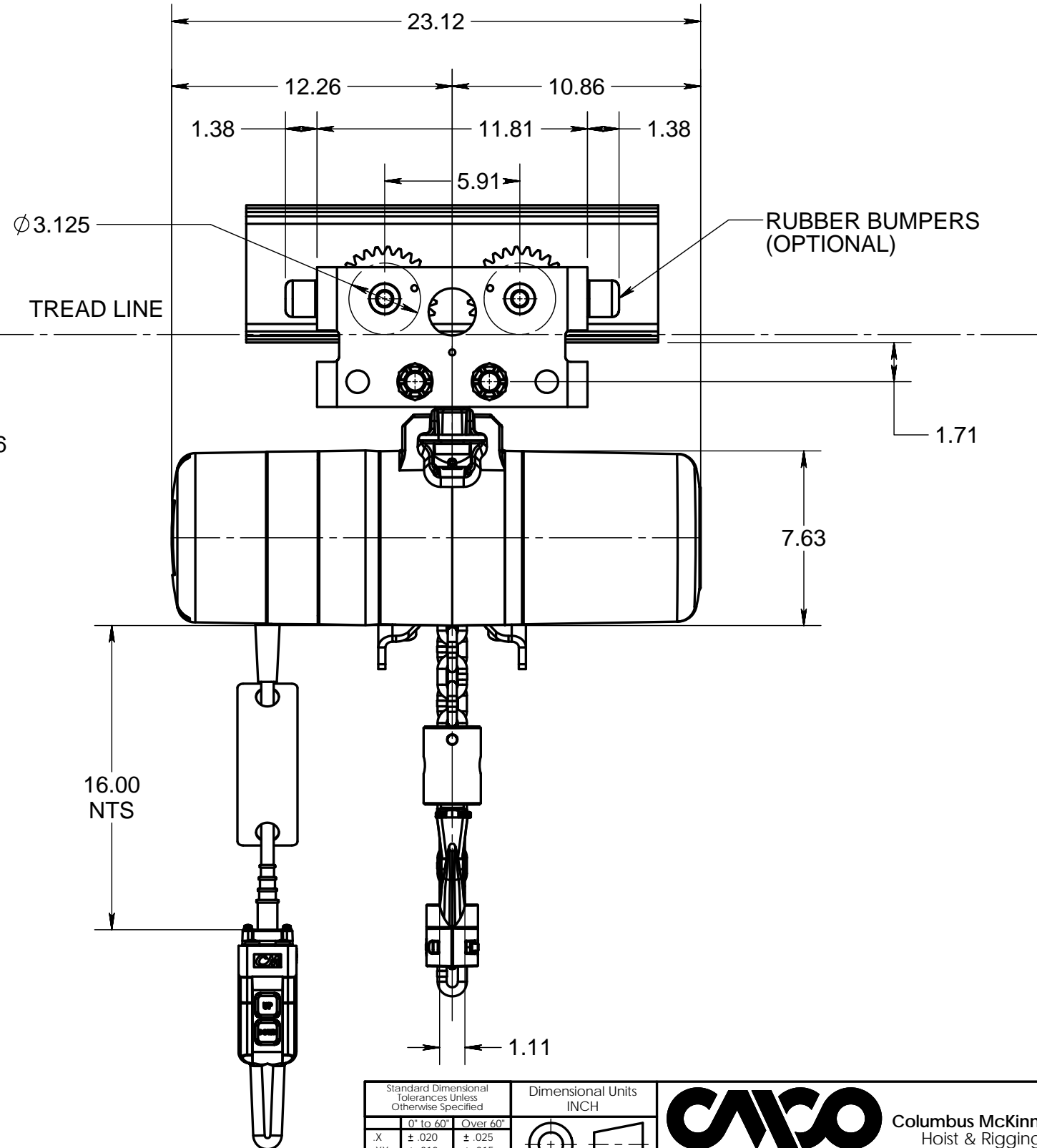
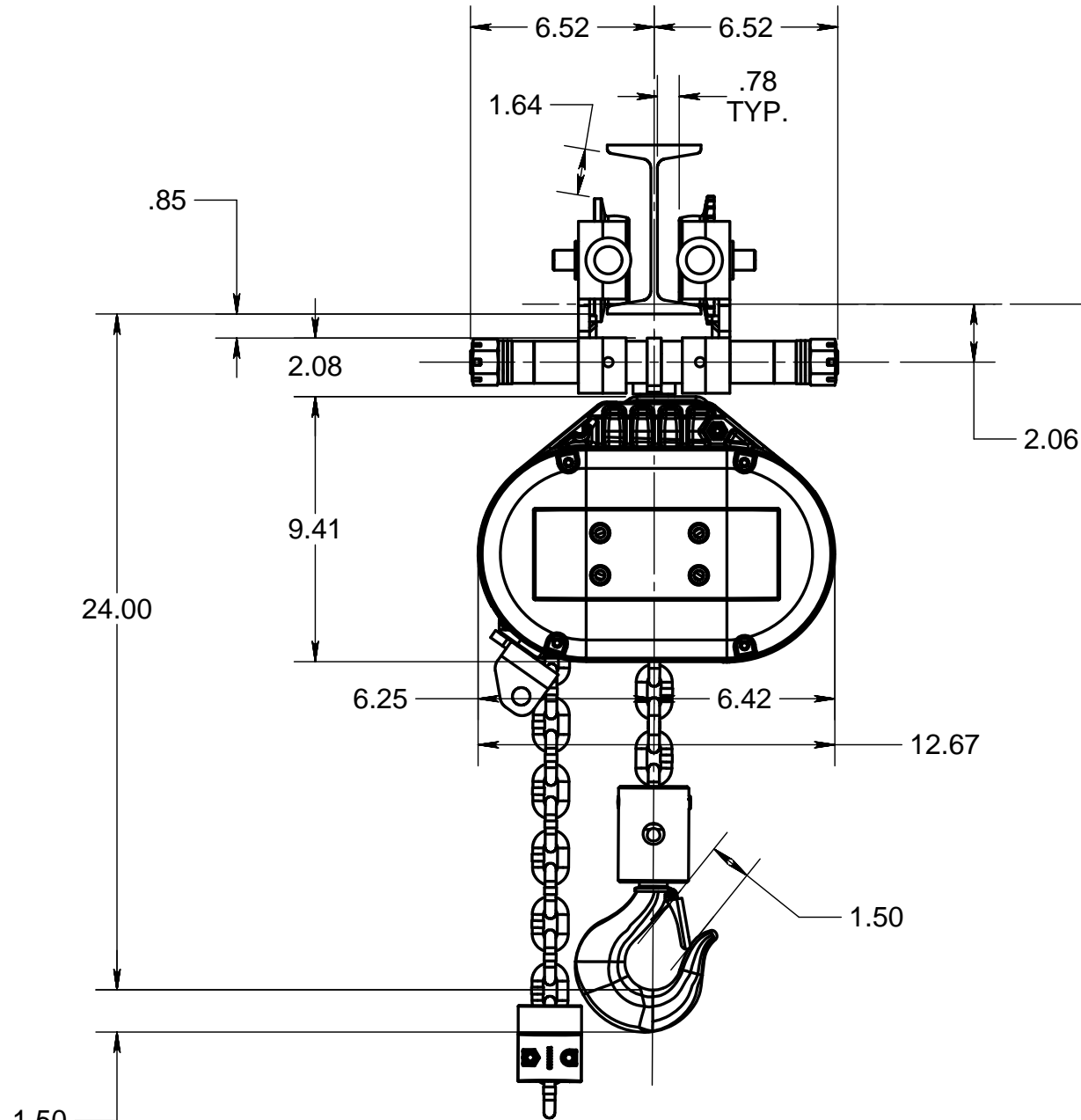



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Description: LODESTAR MODEL RRS W/UNIVERSAL TROLLEY LUG CROSS MOUNT	
Format B	Number: 1f-13061

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Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
	0° to 60°	Over 60°	 Third Angle Projection		
.X	± .020	± .025			
.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
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Material No:					
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Amherst, NY USA

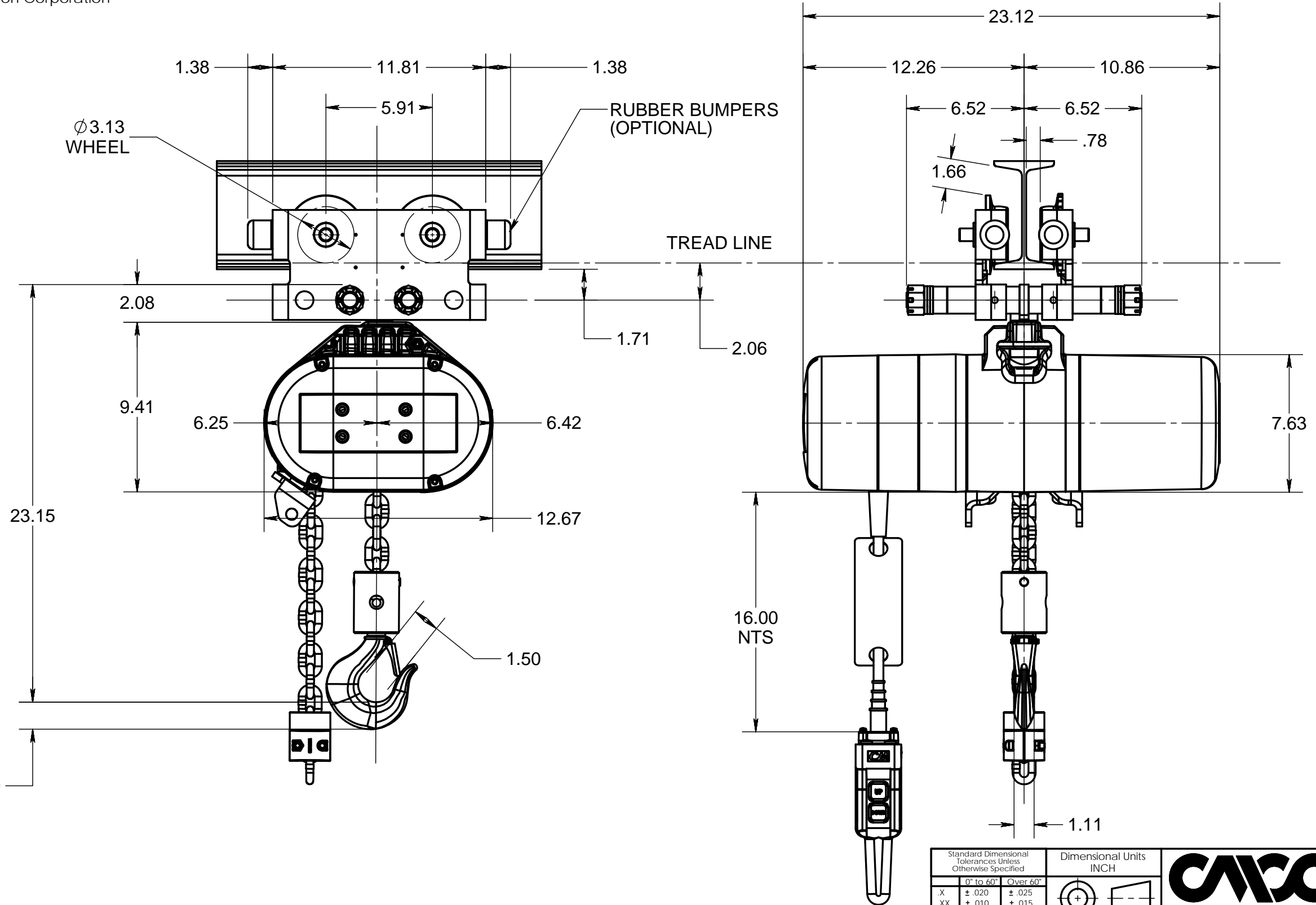
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W/UNIVERSAL TROLLEY**

Format Number:
B 1f-13062

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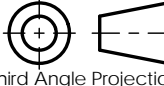
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ECN	Rev.	Description of change	Date	By	


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ECN	Rev.	Description of change	Date	By

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0° to 60°	Over 60°	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:			<div>7/10/2014MSR</div>	
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Modeled:				
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Approved:			7/10/2014MSR	
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Original scale:			1:6	



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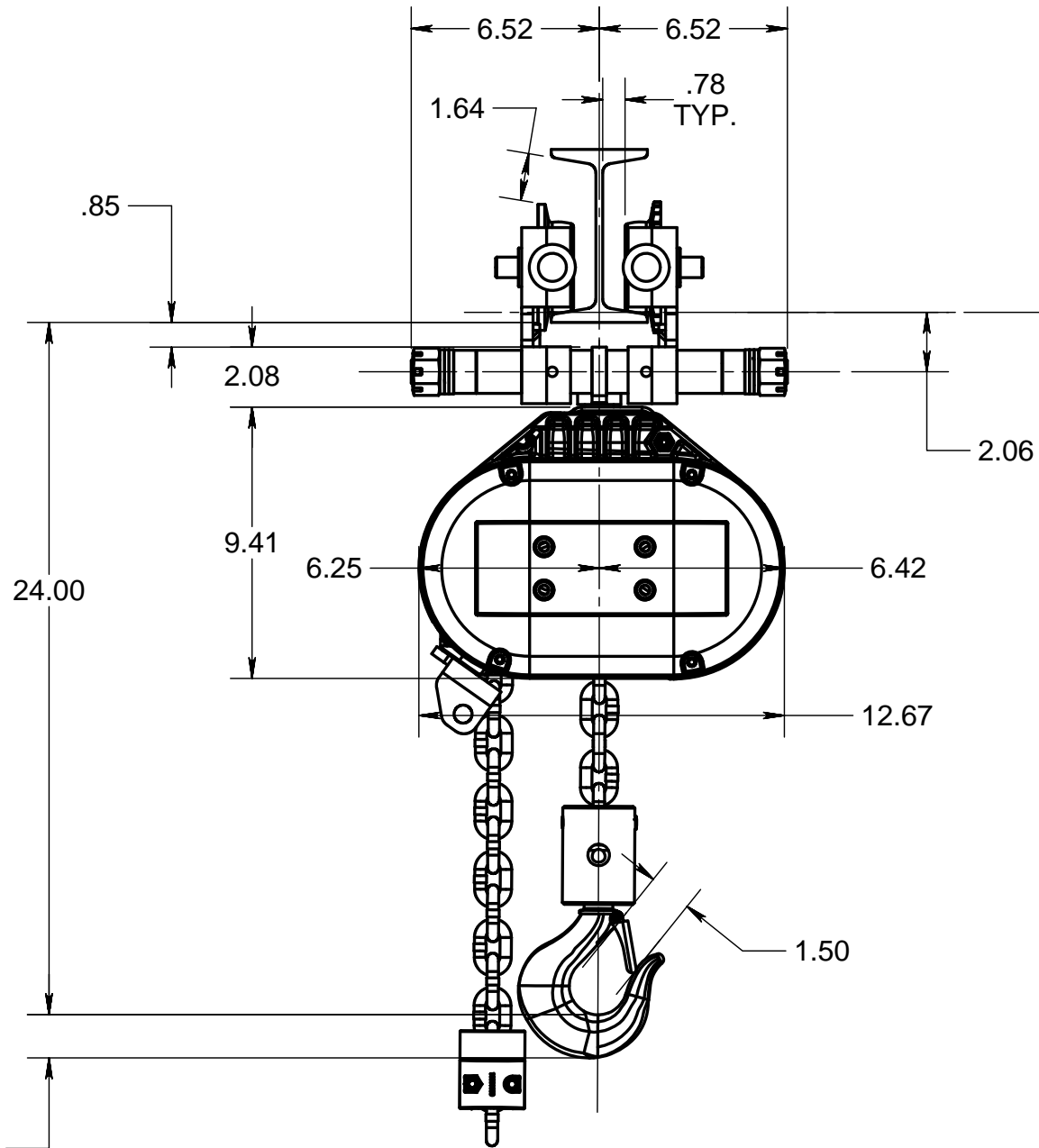
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**LODESTAR MODEL RRS
W/UNIVERSAL TROLLEY
CROSS MOUNT**

Format: **B** Number: **1f-13063**

Sheet **1/1**

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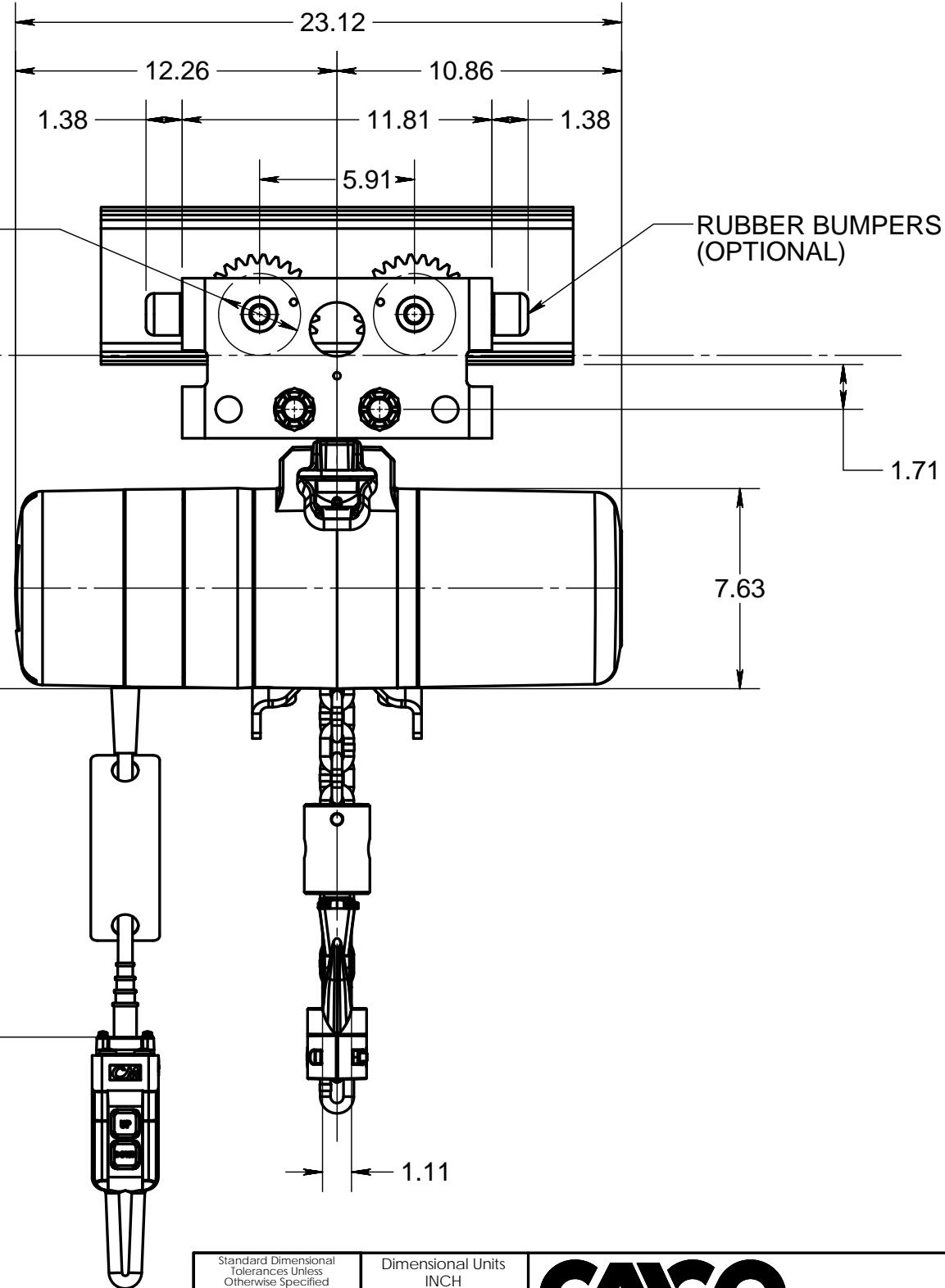


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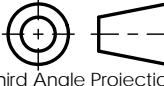
TREAD LINE

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RUBBER BUMPERS
(OPTIONAL)

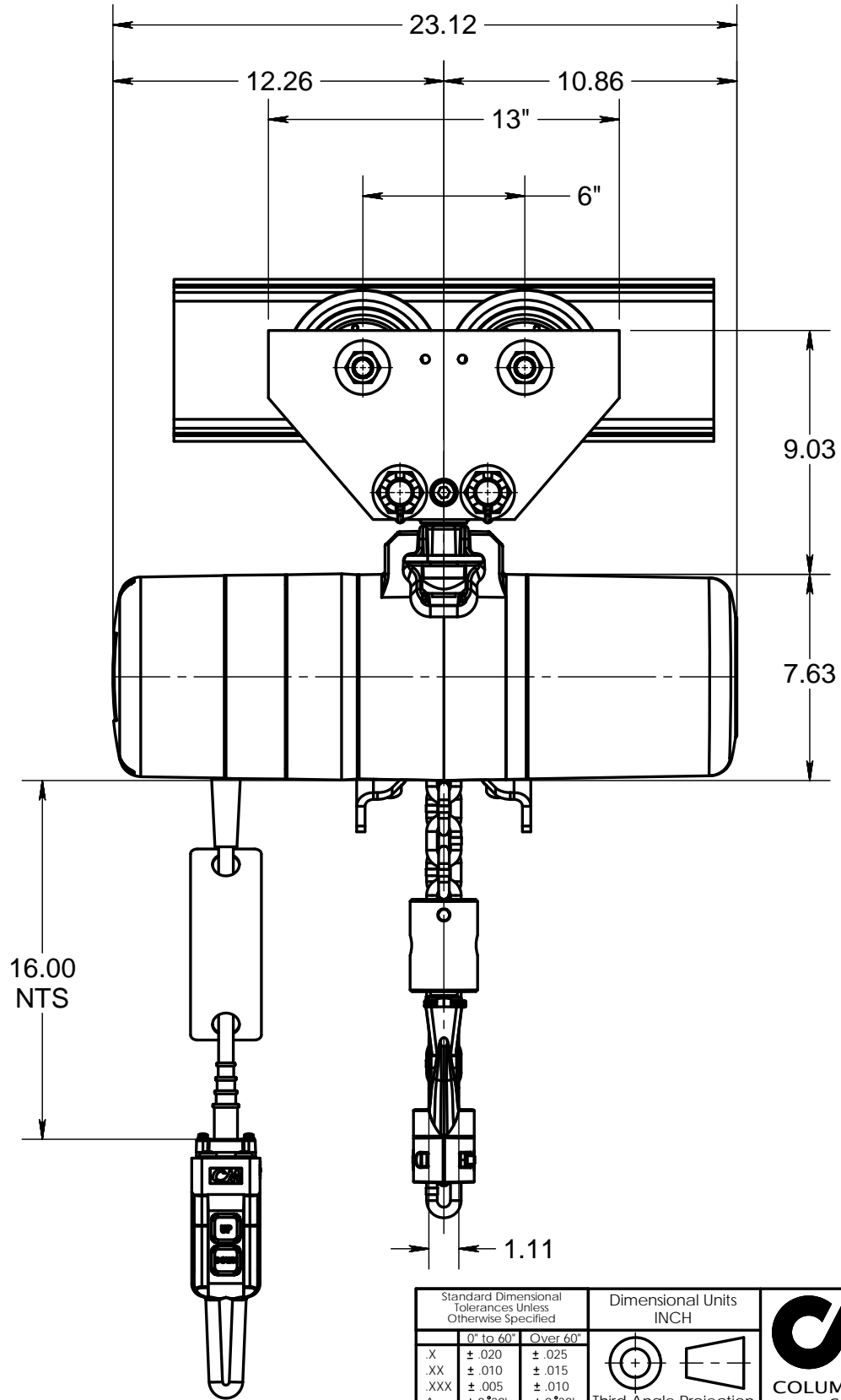
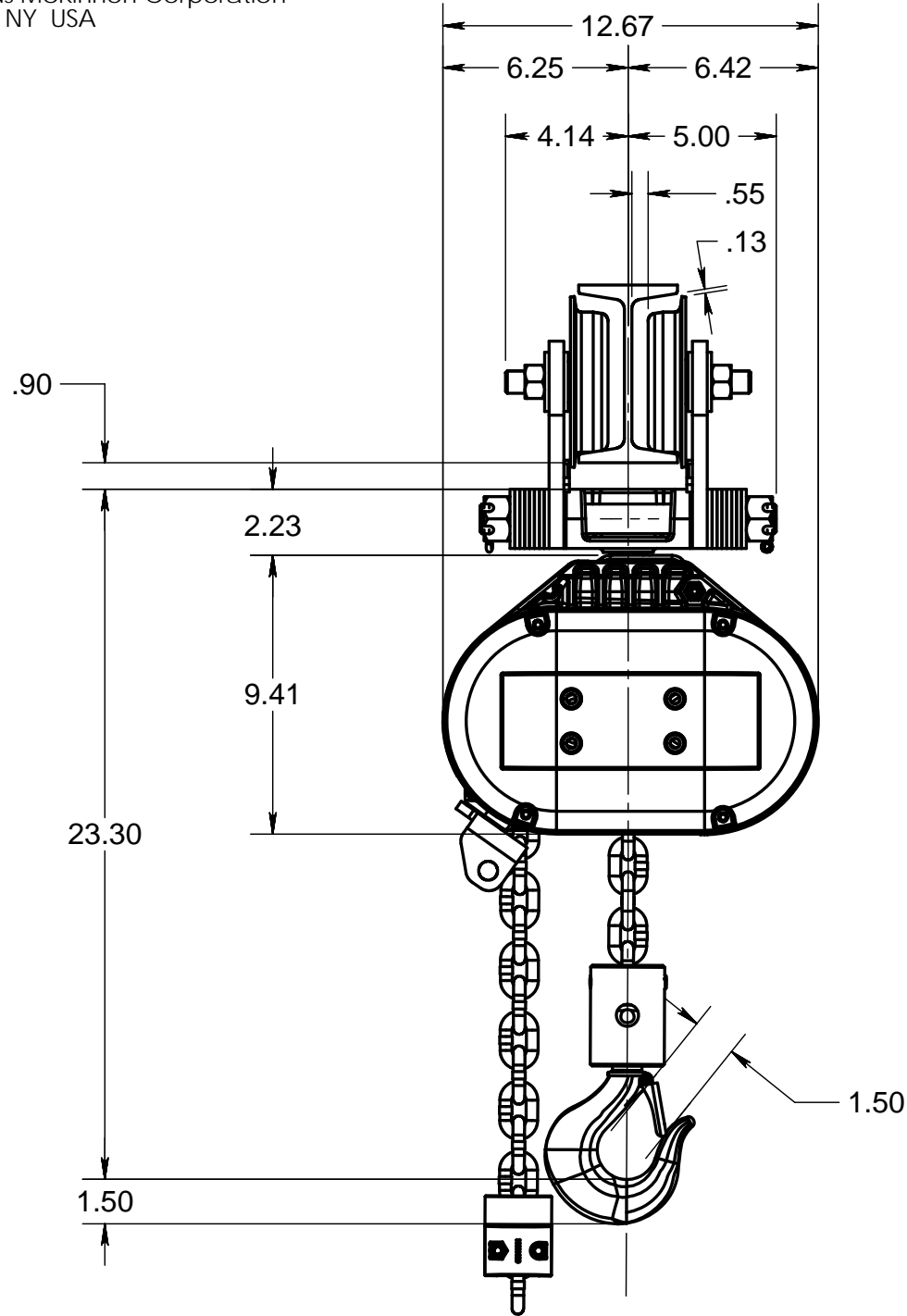
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Ang	± 0°30'	± 0°30'			
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Material No:					
Modeled:					
Drawn:					
Approved:			Format Number: B 1f-13064		
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Amherst, NY USA

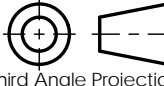
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ECN	Rev.	Description of change	Date	By


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ECN	Rev.	Description of change	Date	By	

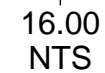
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
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.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
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Approved:	7/10/2014	MSR	Format: B Number: 1f-13065	
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Hoist & Rigging - Americas
Amherst, NY USA

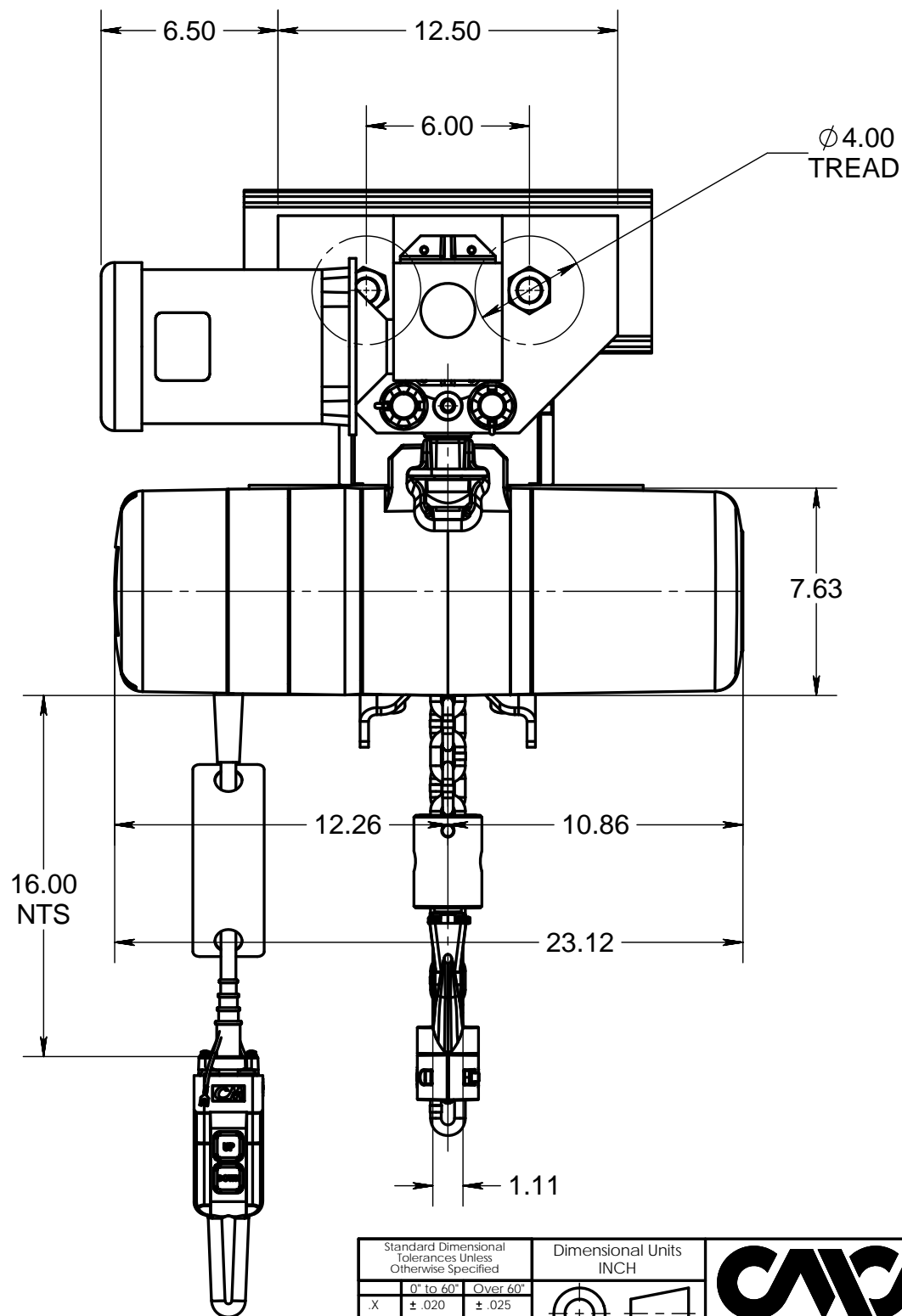
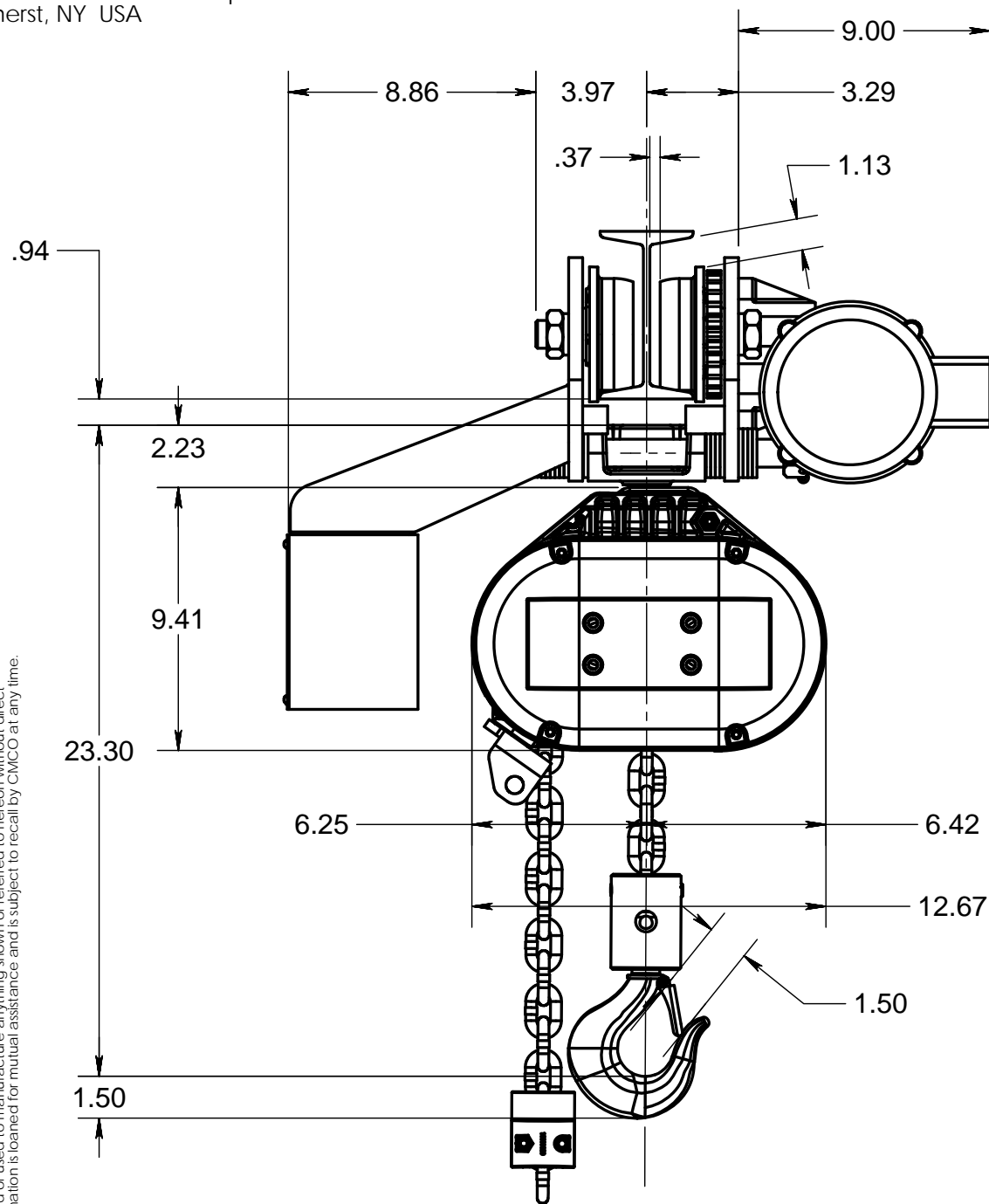
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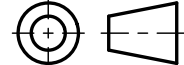
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<p>Format</p> <p>B</p>	<p>Number:</p> <p>1f-13066</p>
<p>Sheet</p> <p>1 / 1</p>	

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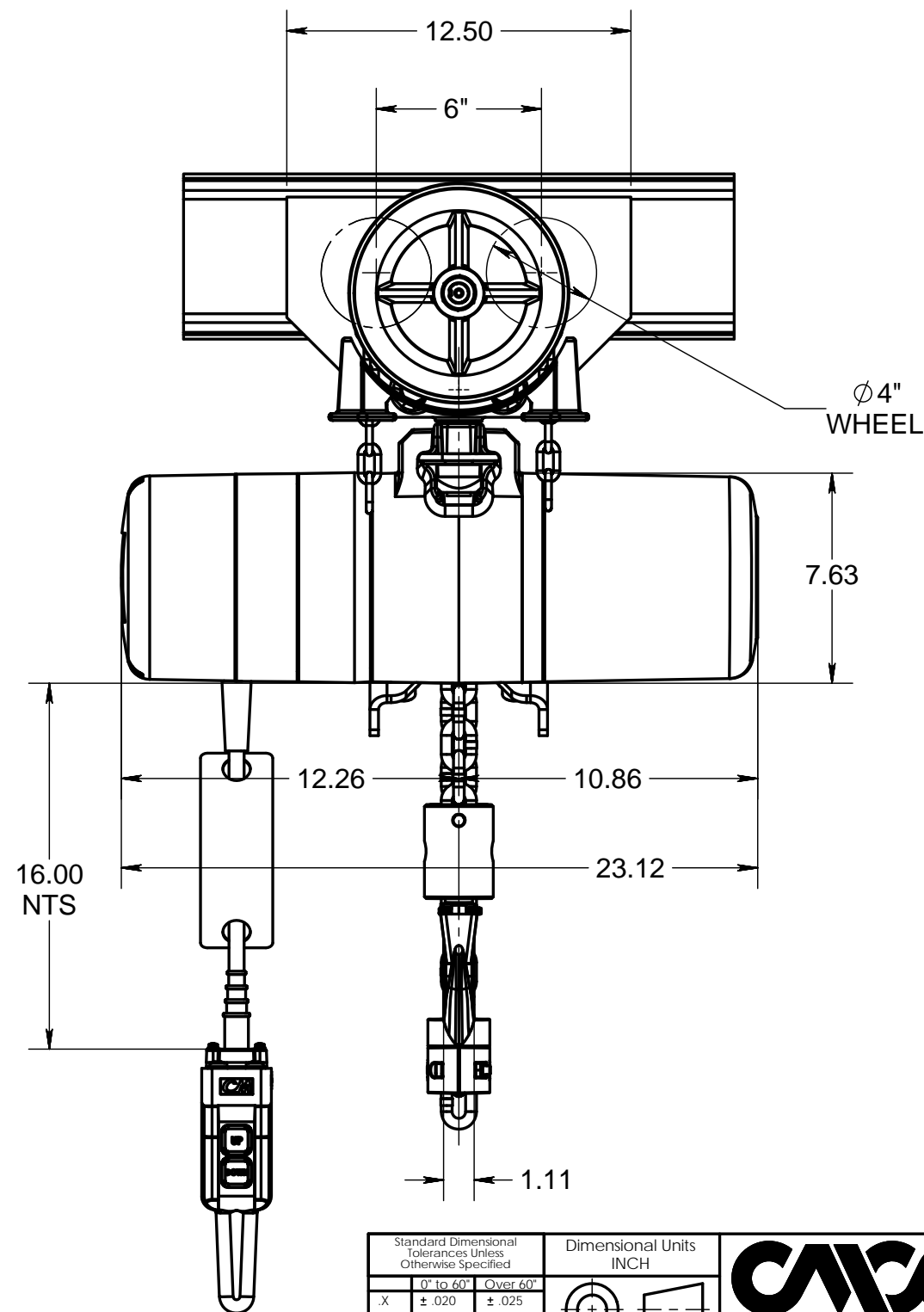
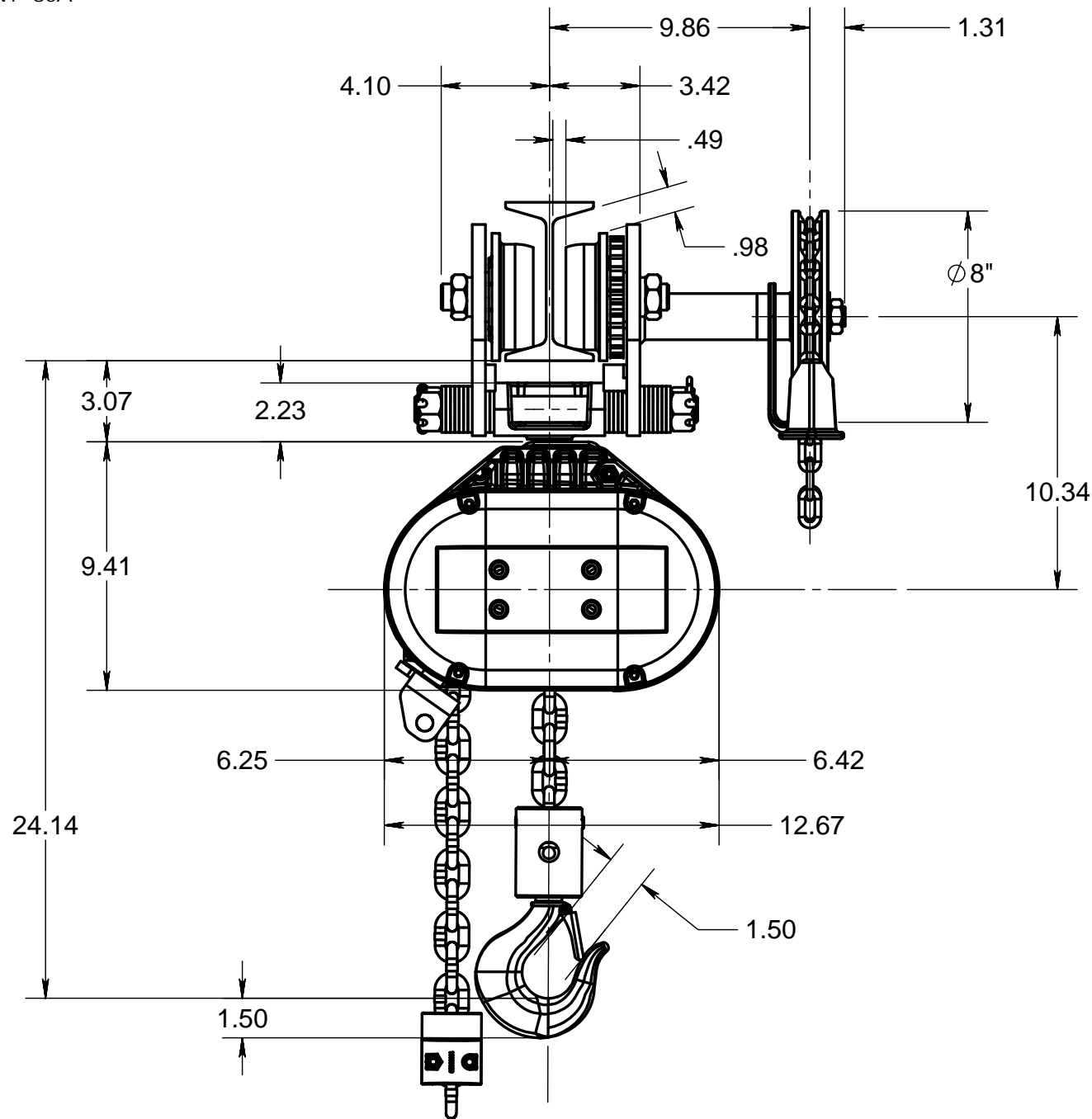
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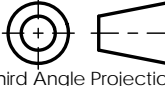
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Ang	± 0°30'	± 0°30'			
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		Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
Description:			
LODESTAR MODEL RRS W/MOTOR DRIVEN TROLLEY			
Format	Number:		Sheet
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Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0" to 60"	Over 60"	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
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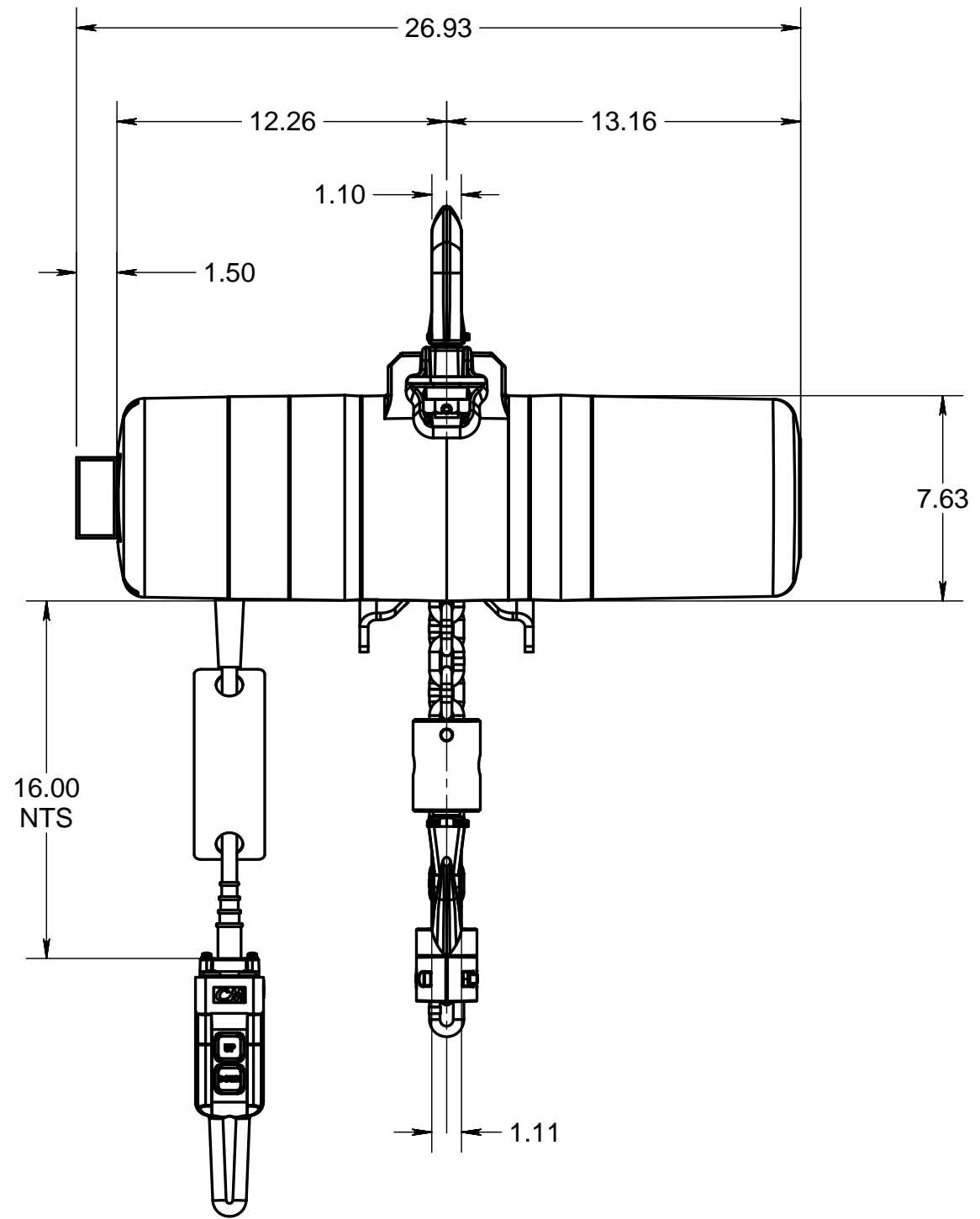
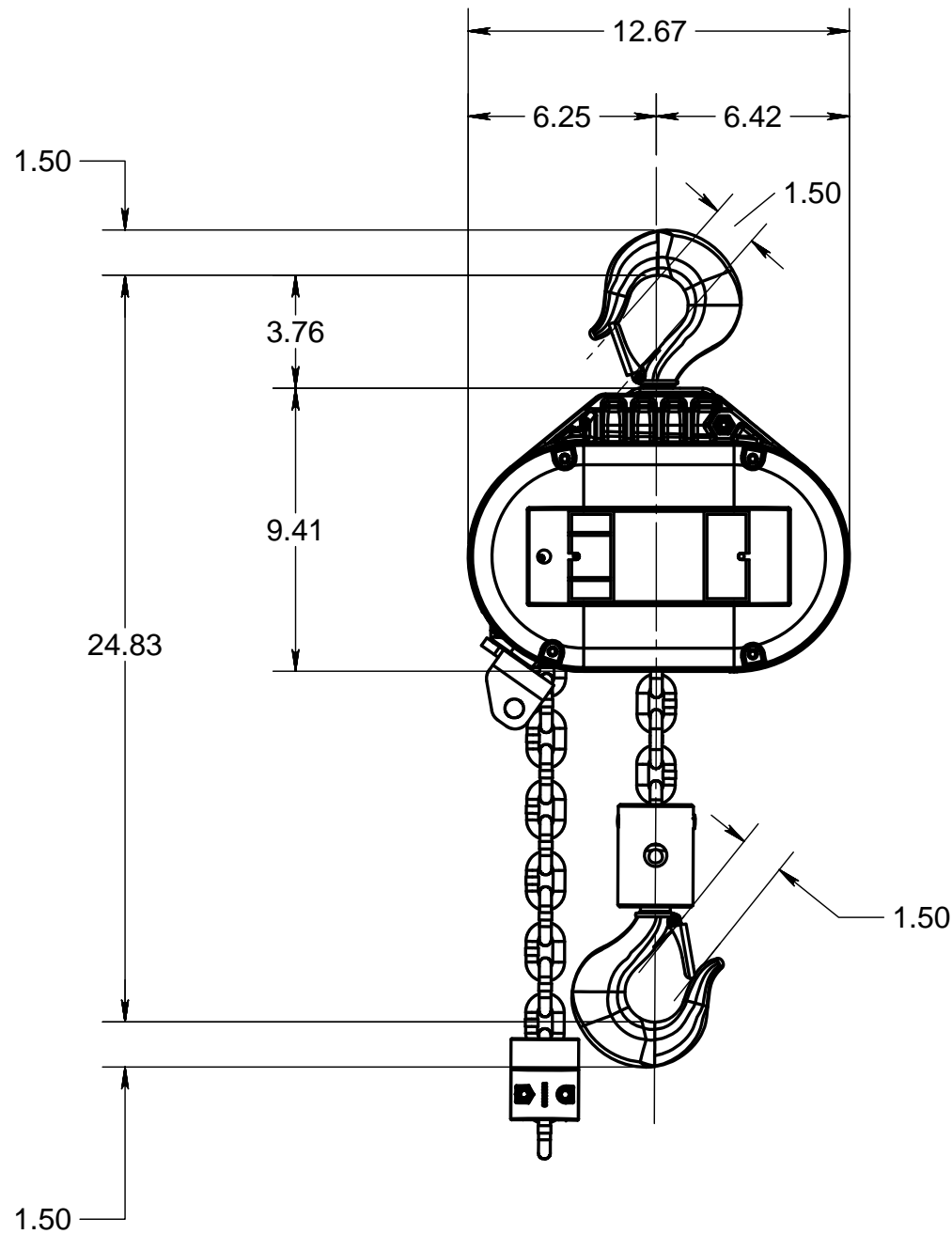
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Amherst, NY USA

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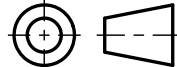
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Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0° to 60°	Over 60°	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
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Amherst, NY USA

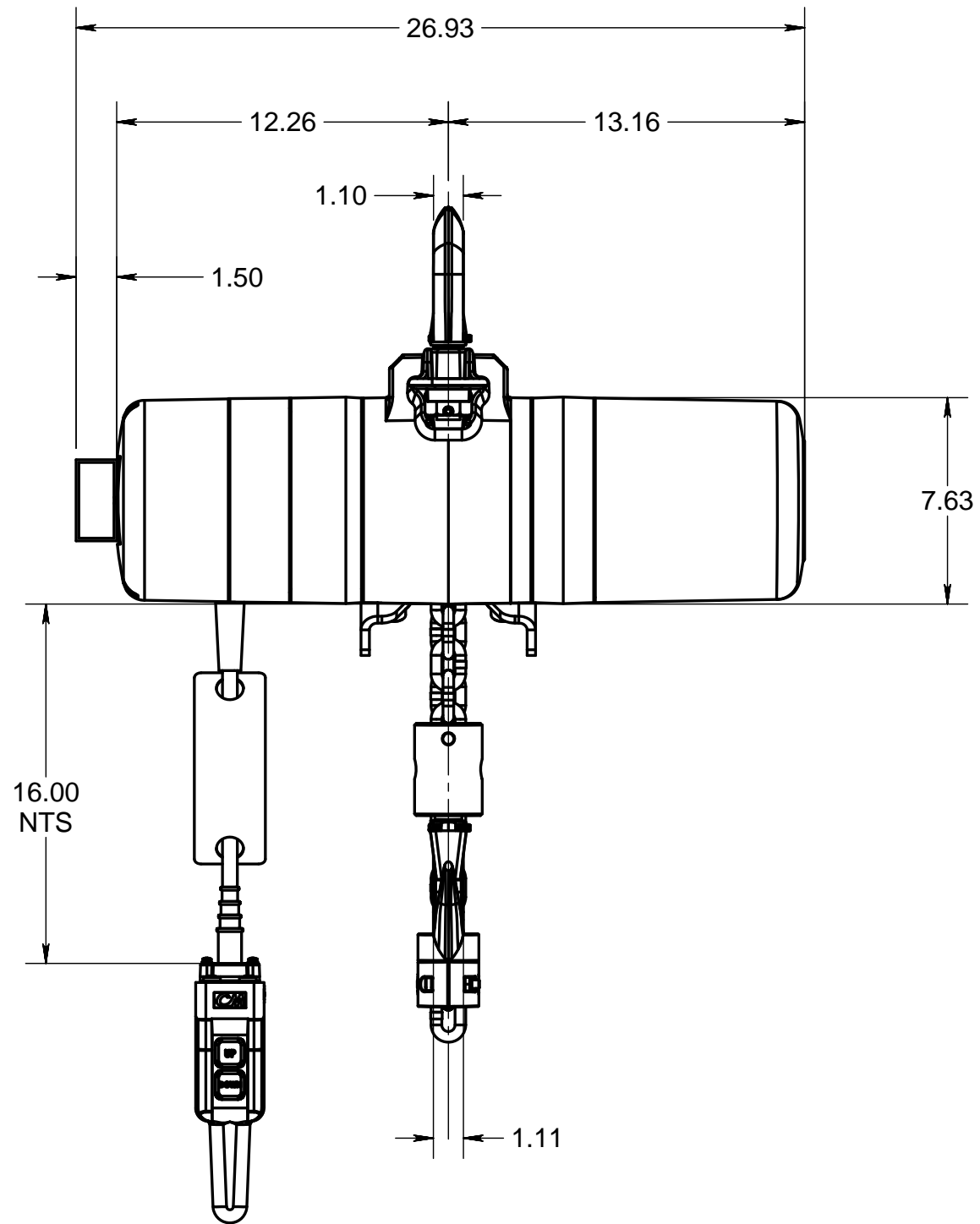
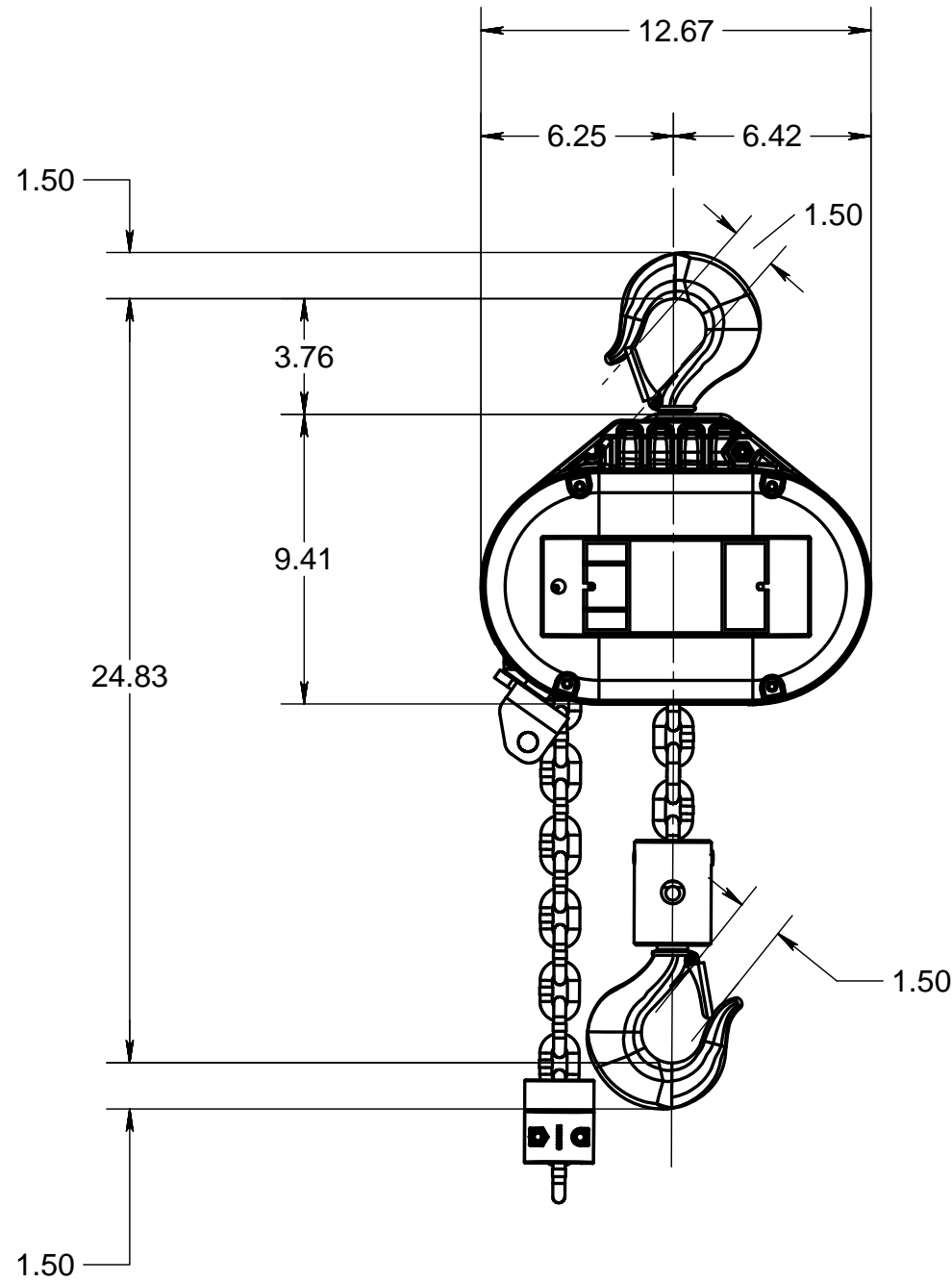
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W/RIGID LATCH TYPE HOOK
INDUSTRIAL-VFD

Format
B

Number:
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
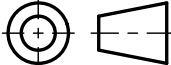
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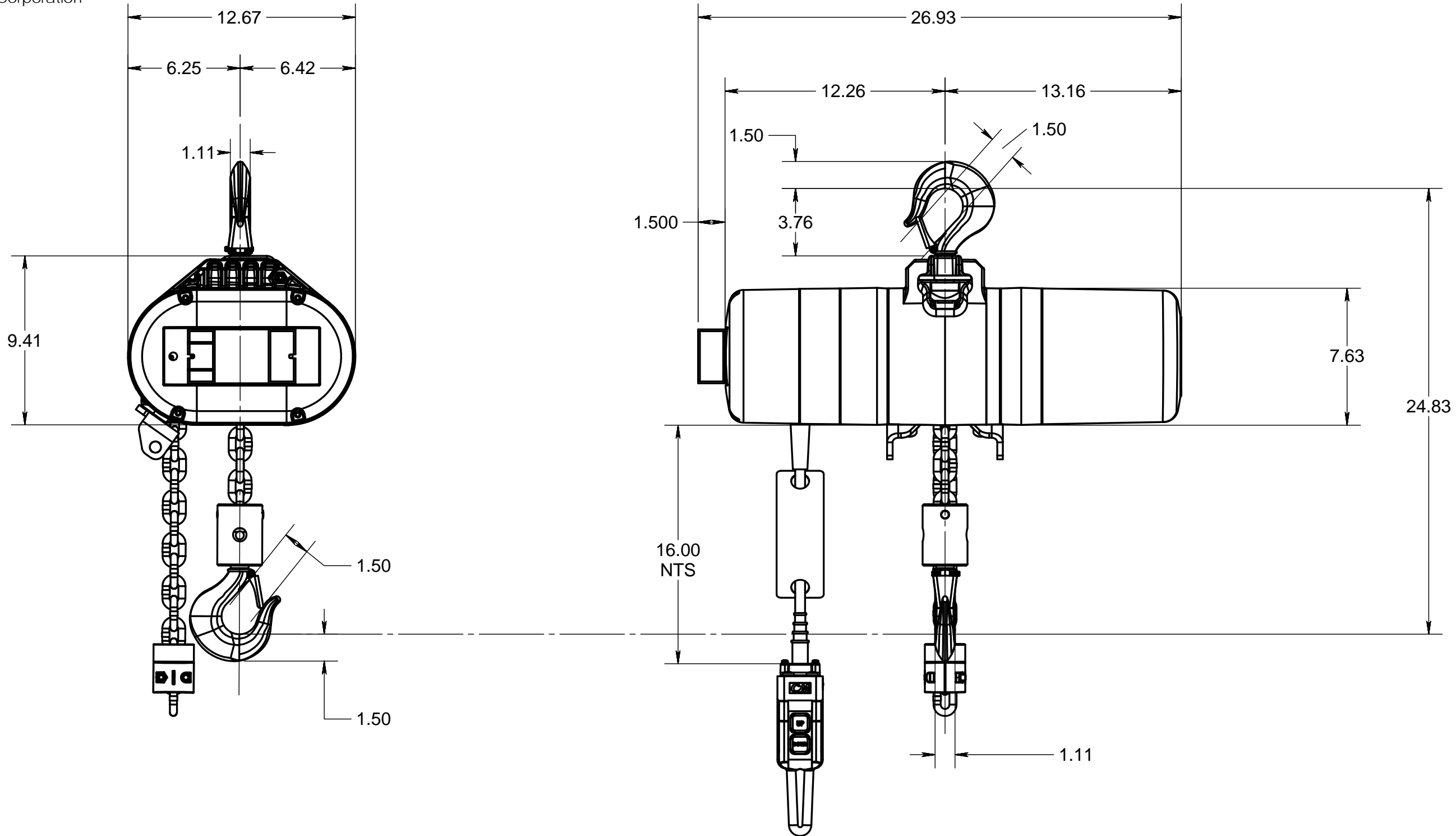


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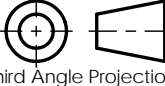
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.XX	± .010	± .015				
.XXX	± .005	± .010				
Ang	± 0°30'	± 0°30'				
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Material No:						
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ECN	Rev.	Description of change	Date	By

Standard Dimensional Tolerances Unless Otherwise Specified		Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
	0° to 60°	Over 60°			
.X	± .020	± .025	 Third Angle Projection	Description: LODESTAR MODEL RRS W/CROSS MOUNT LATCH TYPE HOOK INDUSTRIAL - VFD	
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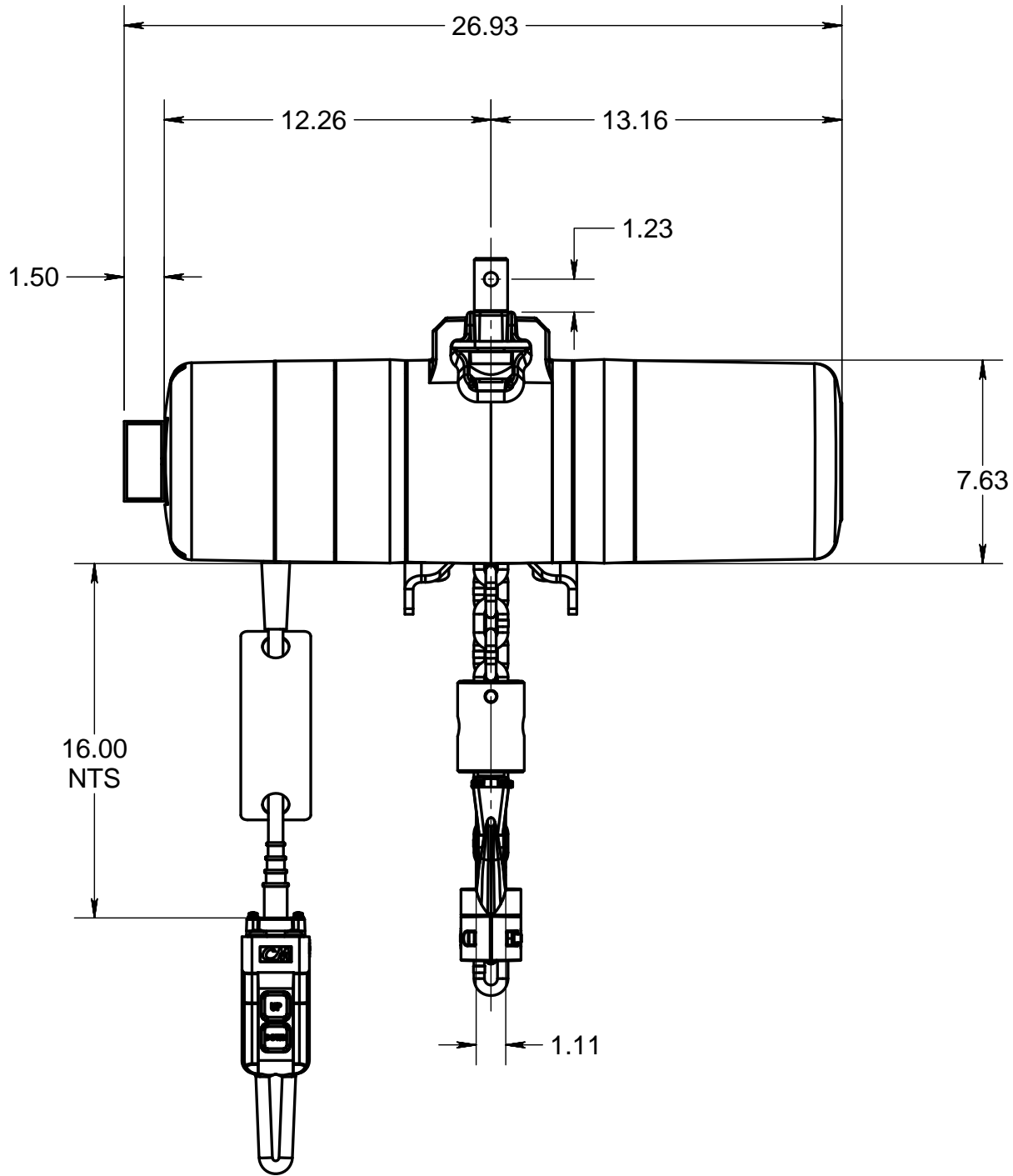
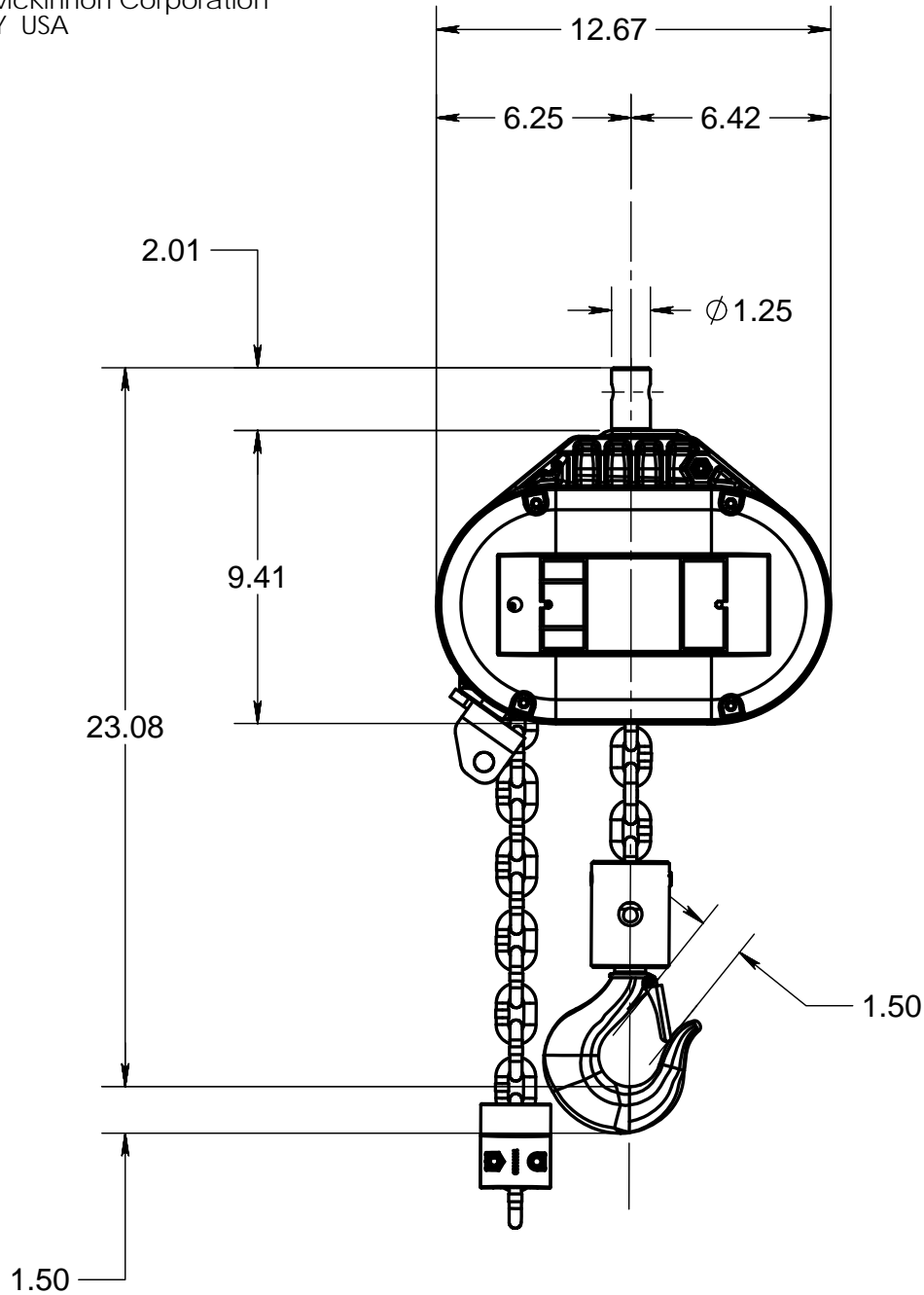
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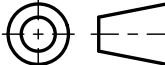
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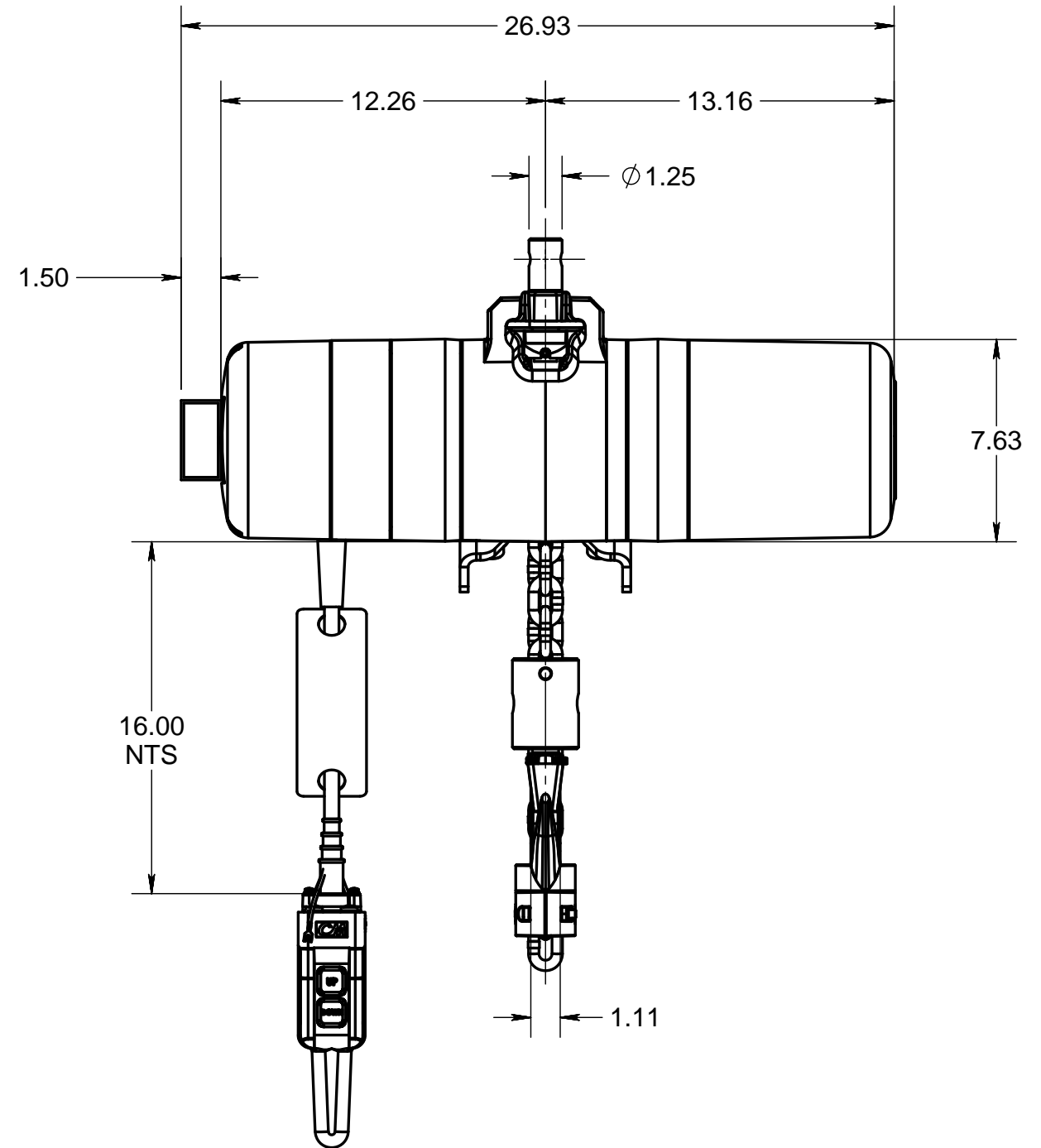
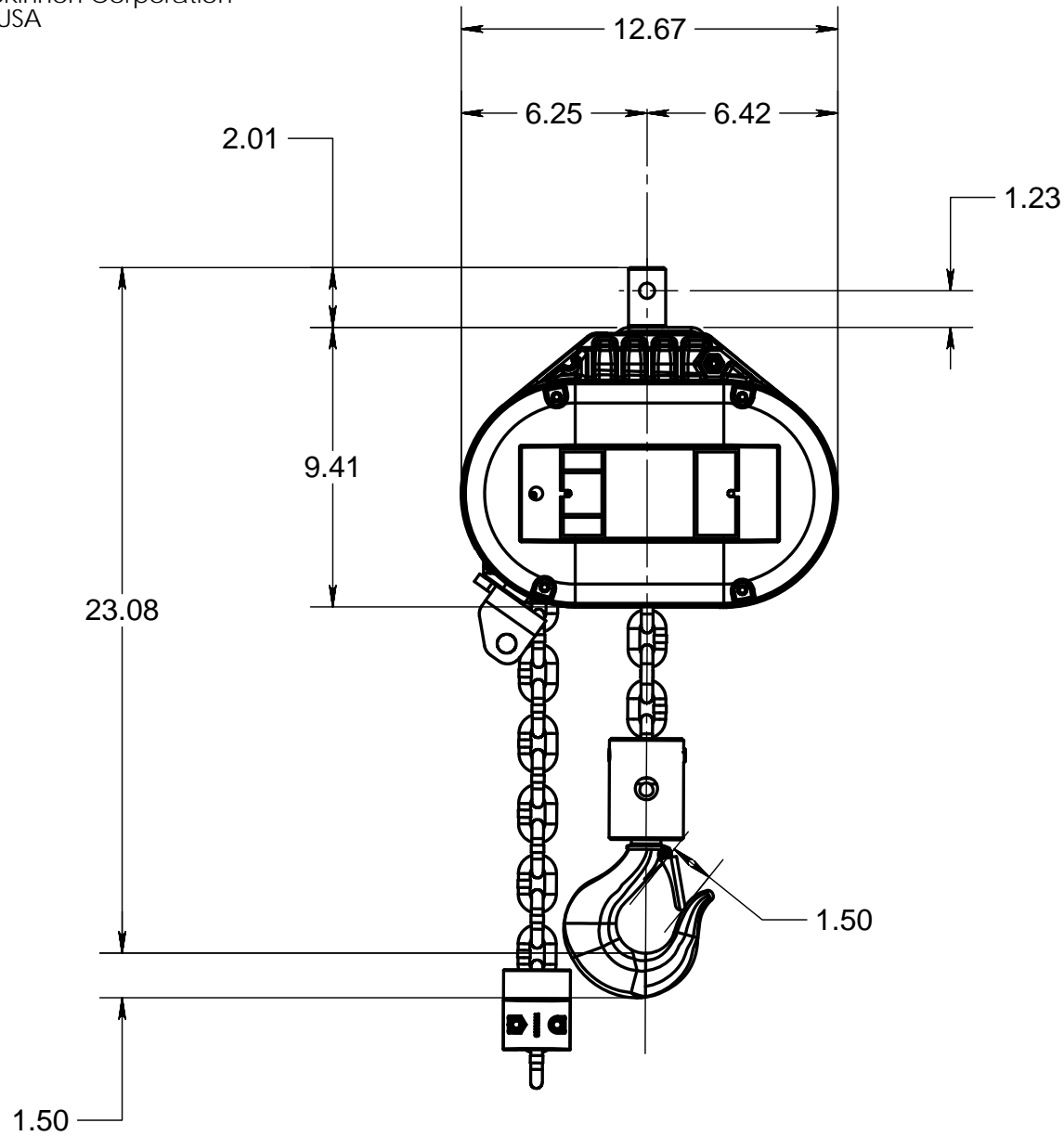
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ECN	Rev.	Description of change	Date	By




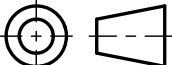
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X	± .020	± .025			
XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
Third Angle Projection					
Material:			Description:		
Standard:			LODESTAR MODEL RRS		
Material No:			W/RIGID LUG		
Modeled:			INDUSTRIAL - VFD		
Drawn:					
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Amherst, NY USA

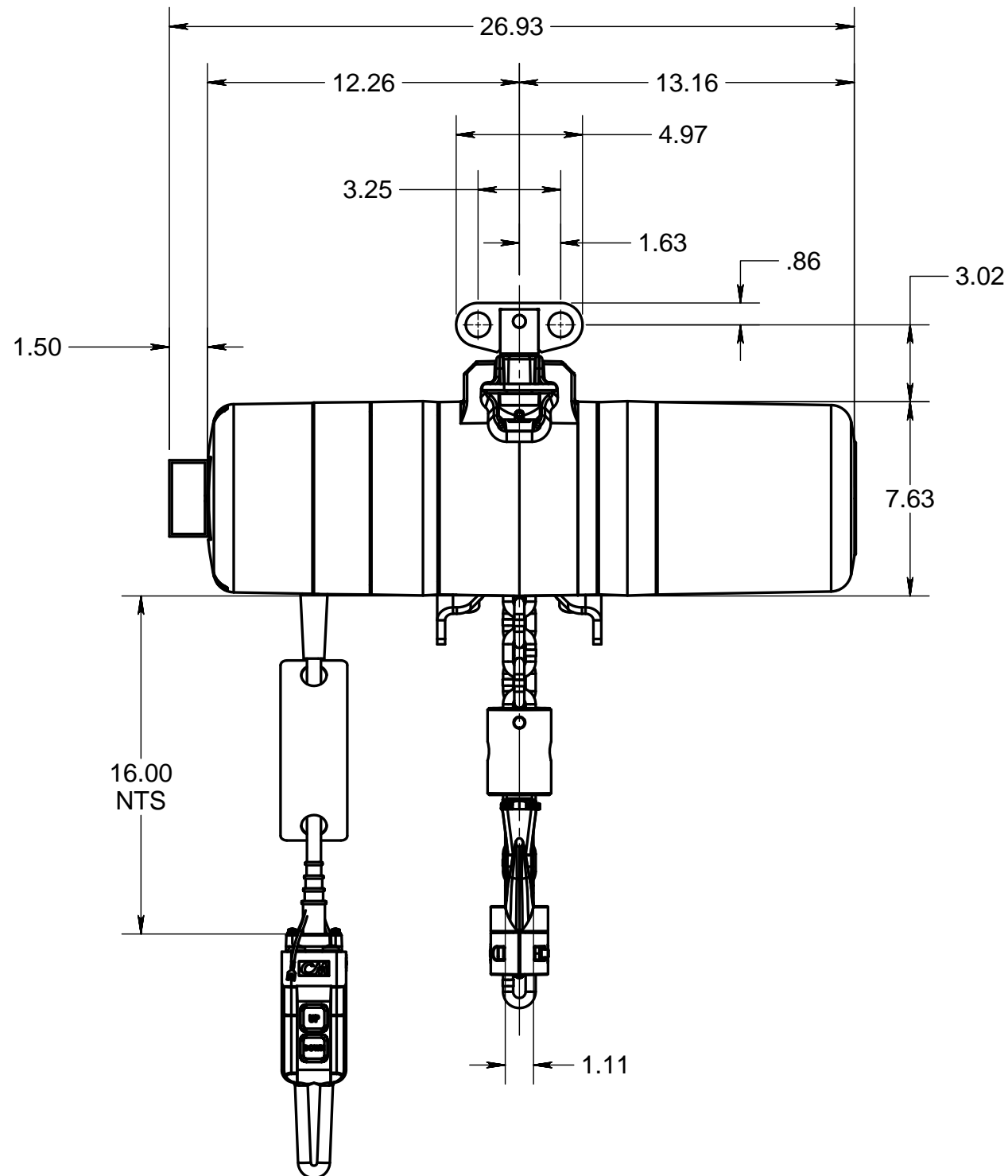
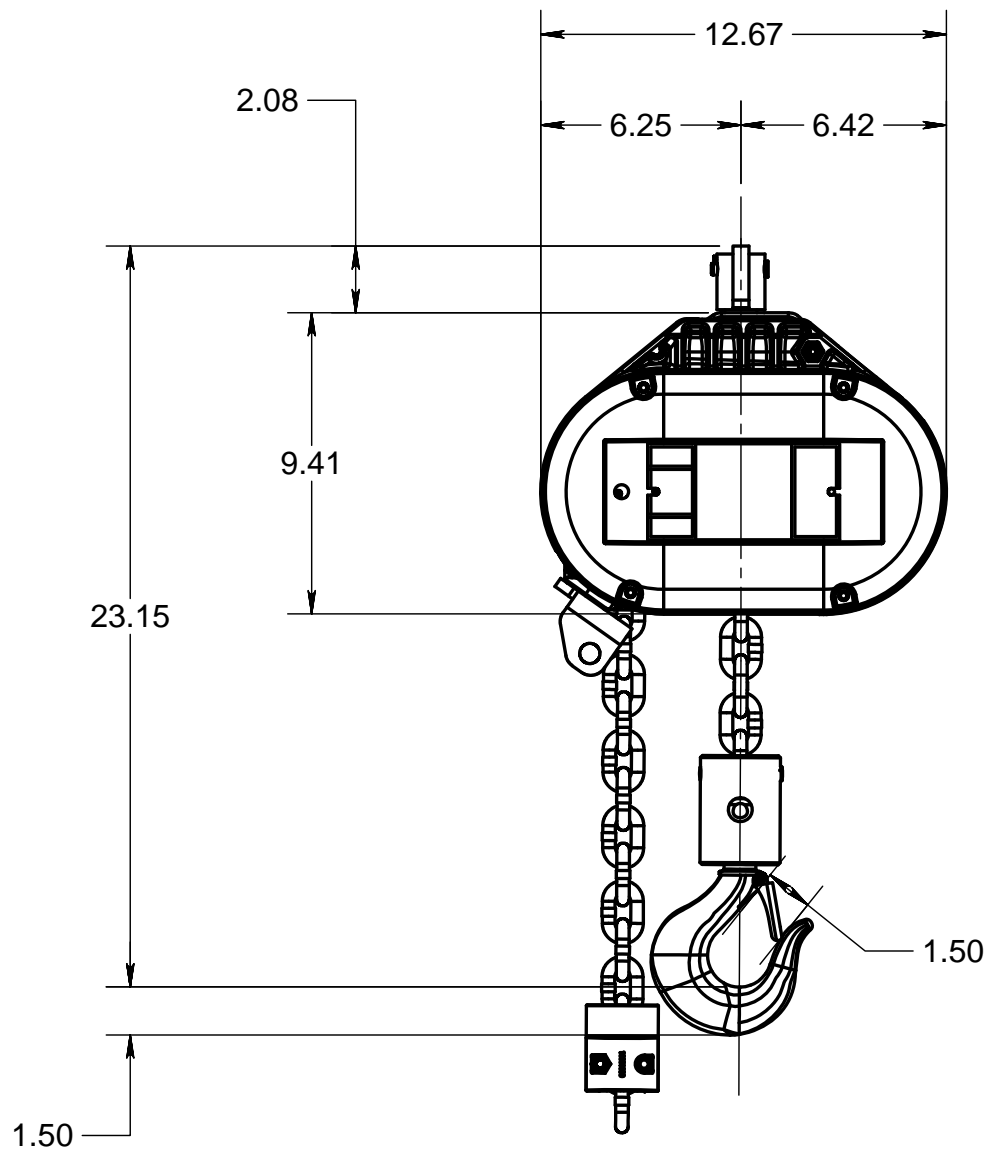


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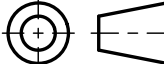
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION	Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA						
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.X	± .020	± .025										
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Ang	± 0°30'	± 0°30'	Third Angle Projection		Description: LODESTAR MODEL RRS W/CROSS MOUNT RIGID LUG INDUSTRIAL - VFD							
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ECN	Rev.	Description of change	Date	By	

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION Description: LODESTAR MODEL RRS W/UNIVERSAL TROLLEY LUG INDUSTRIAL - VFD
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 COLUMBUS MCKINNON CORPORATION		Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
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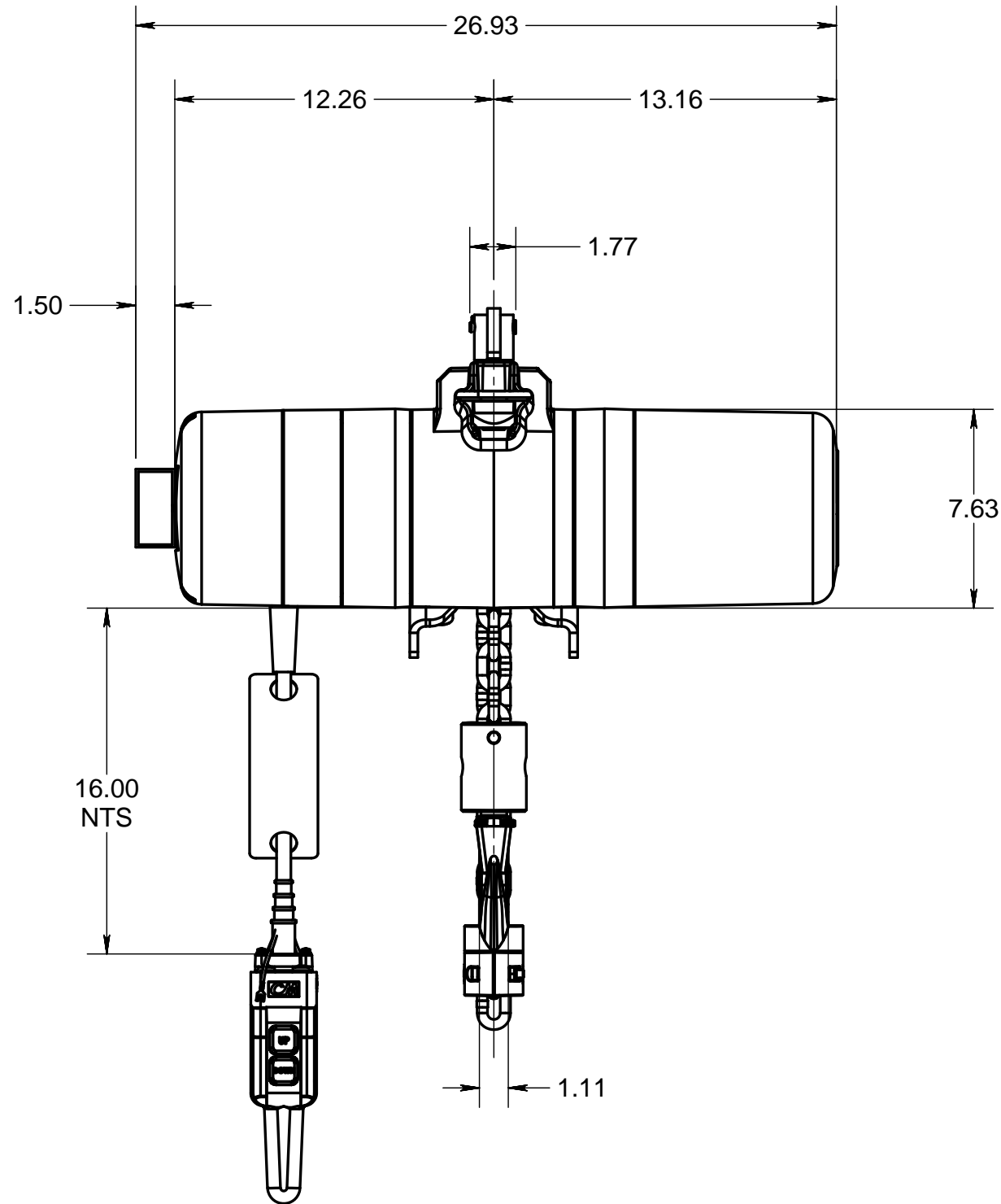
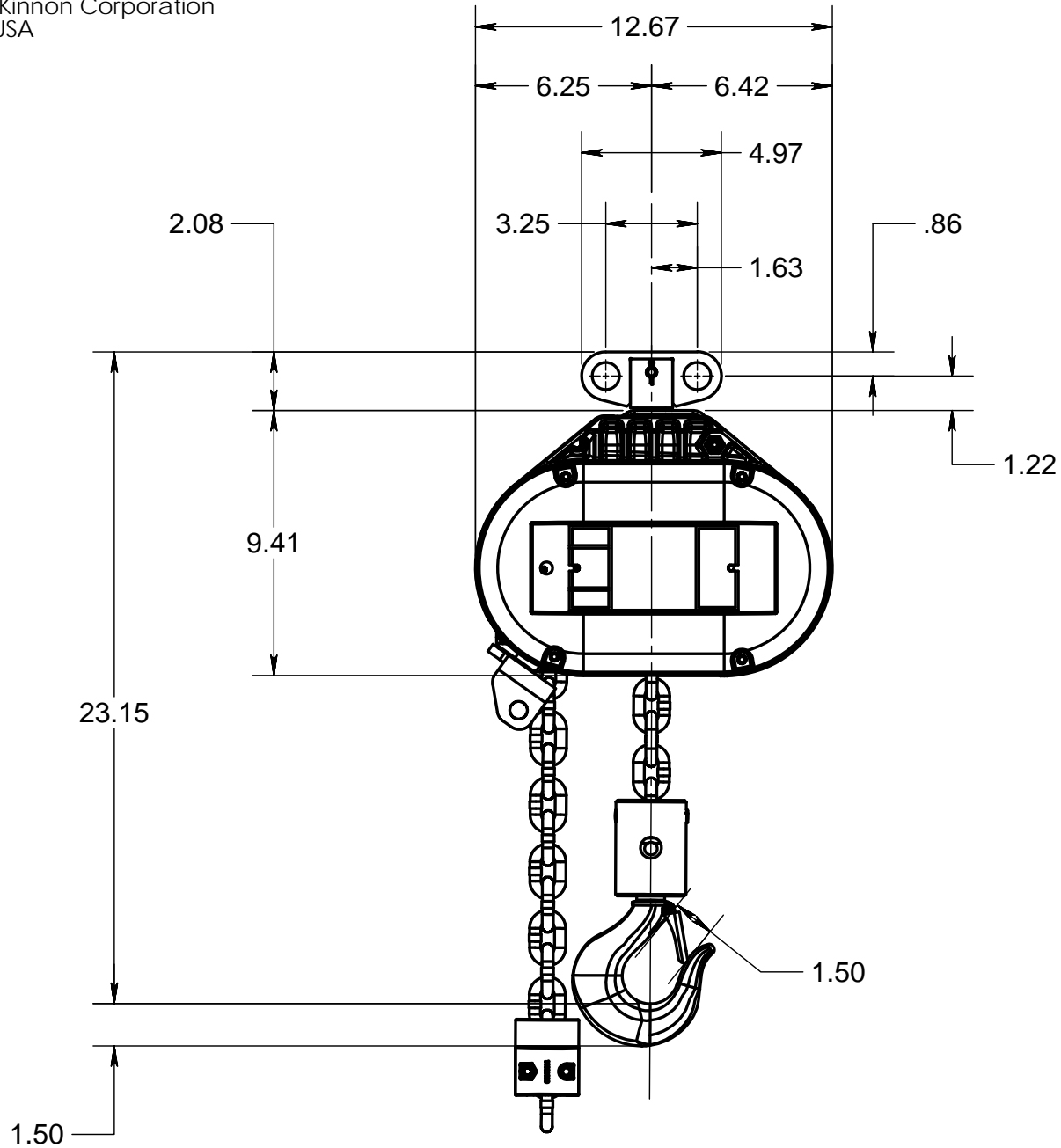
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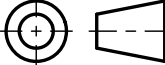
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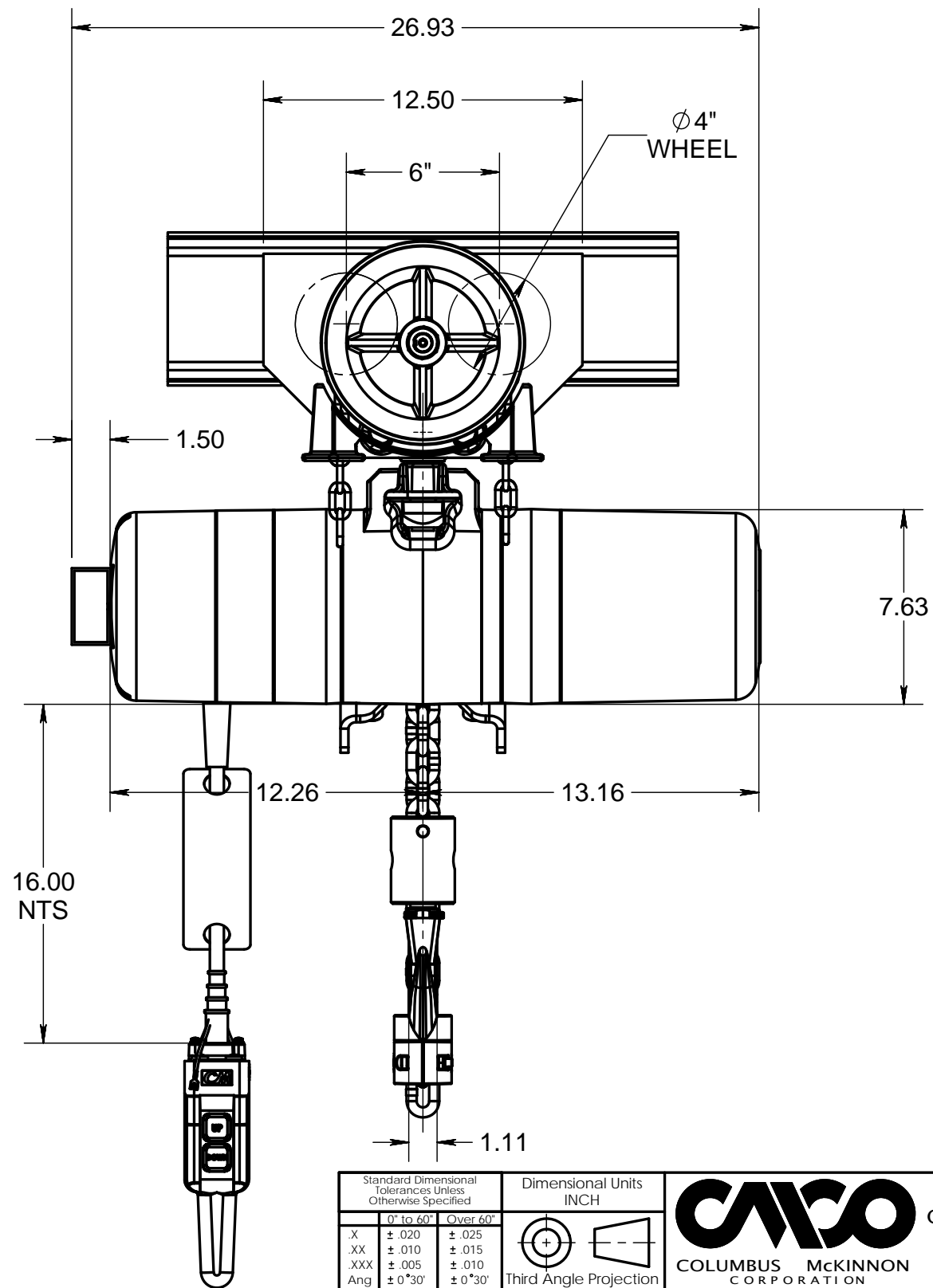
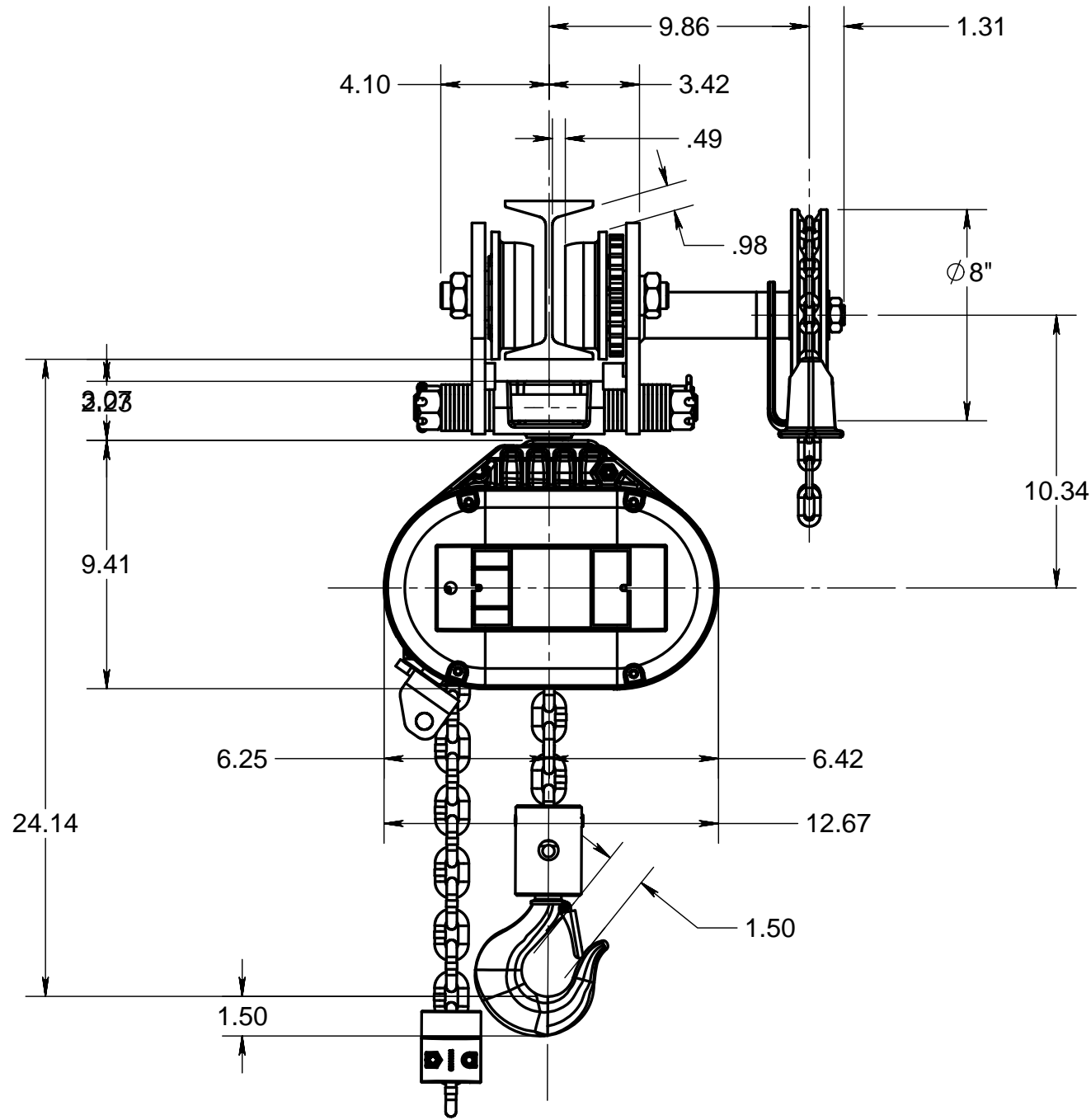
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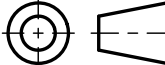
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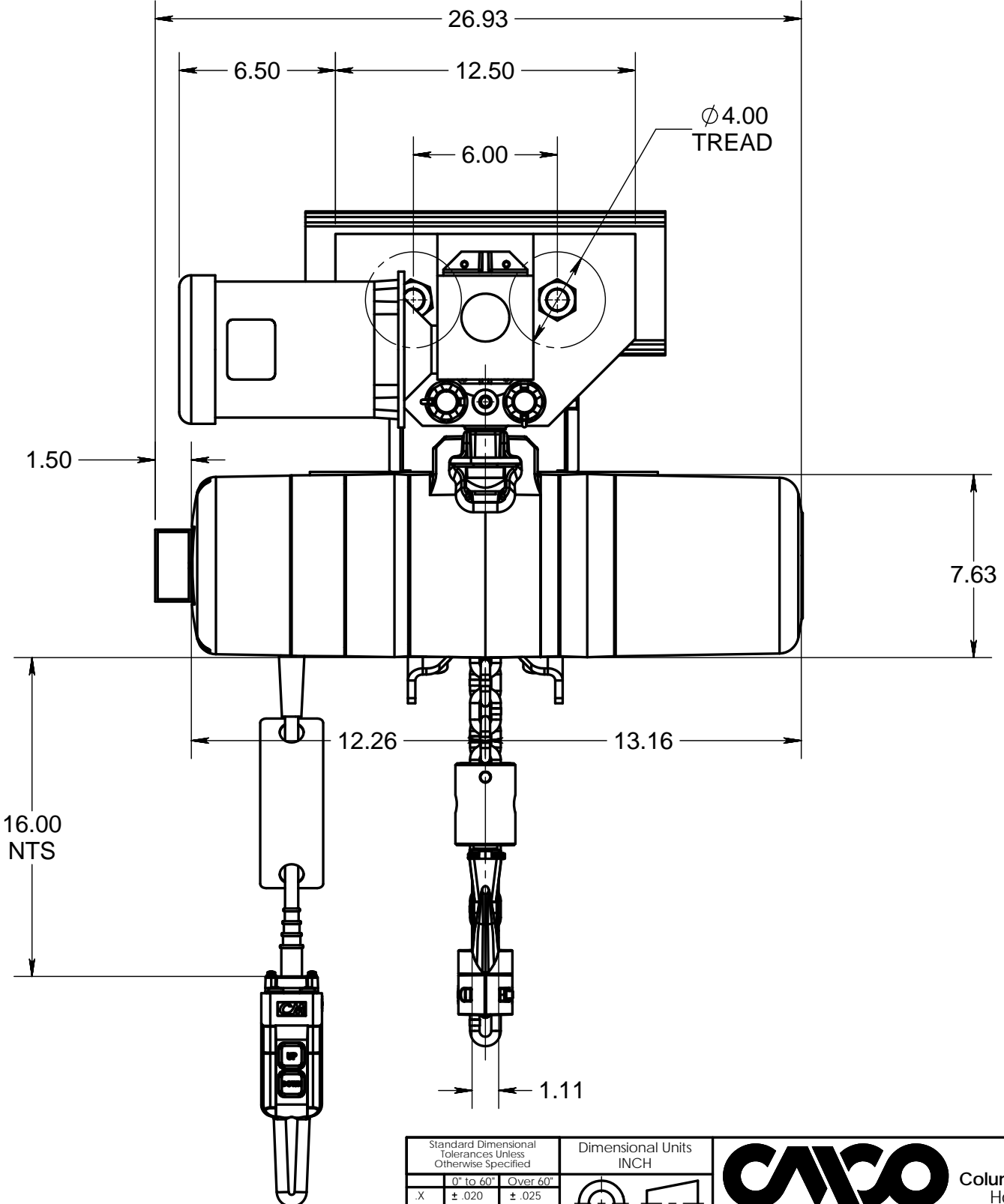
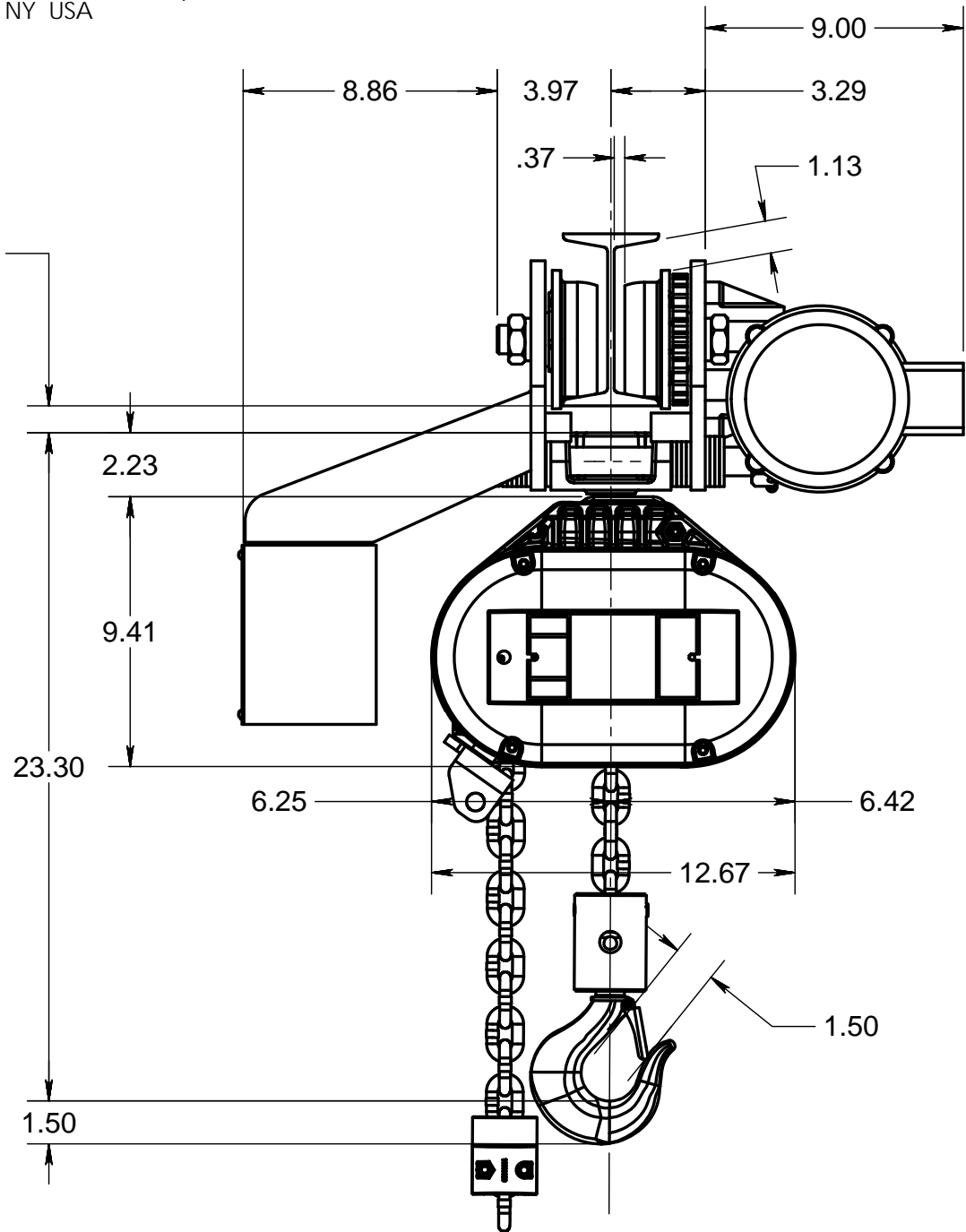
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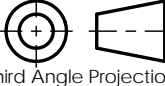


Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION	Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA			
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X	± .020	± .025							
XX	± .010	± .015							
XXX	± .005	± .010							
Ang	± 0°30'	± 0°30'							
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Amherst, NY USA

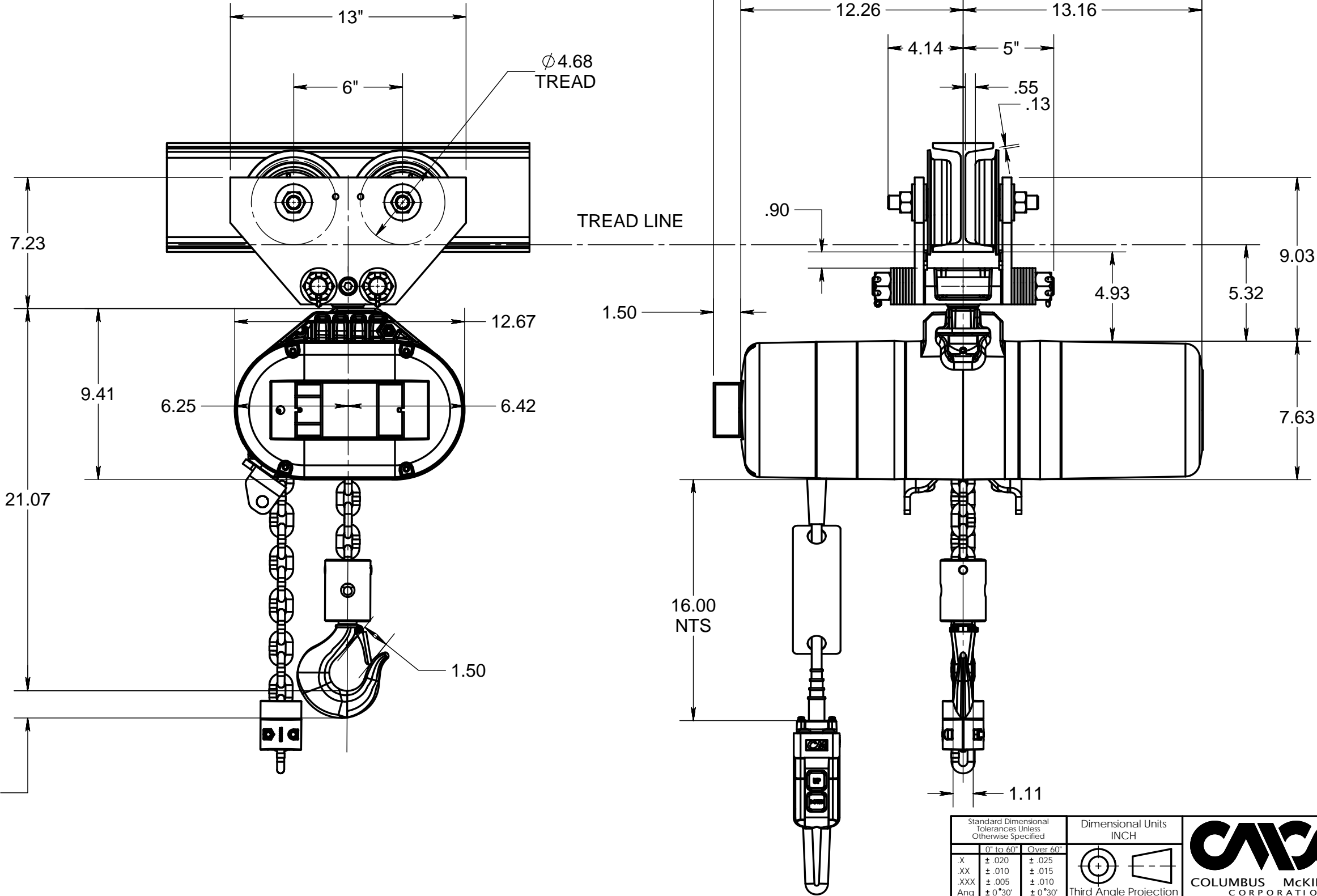
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Standard Dimensional Tolerances Unless Otherwise Specified		Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
	0° to 60°	Over 60°			
.X	± .020	± .025	 Third Angle Projection	Description: LODESTAR MODEL RRS W/MOTOR DRIVEN TROLLEY INDUSTRIAL - VFD	
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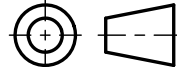
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ECN	Rev.	Description of change	Date	By

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
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.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
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Material No:				
Modeled:	9/22/2014	MSR		
Drawn:	9/22/2014	MSR		
Approved:	9/22/2014	MSR		
Design Authority:	Damascus			
Original project:	CAD Data			
Original scale:	1:6			

		Columbus McKinnon Corporation	
		Hoist & Rigging - Americas Amherst, NY USA	
Description:		LODESTAR MODEL RRS W/CROSS MOUNT PUSH TROLLEY INDUSTRIAL - VFD	
Format	Number:		
B	1f-13127		
			Sheet 1/1

D

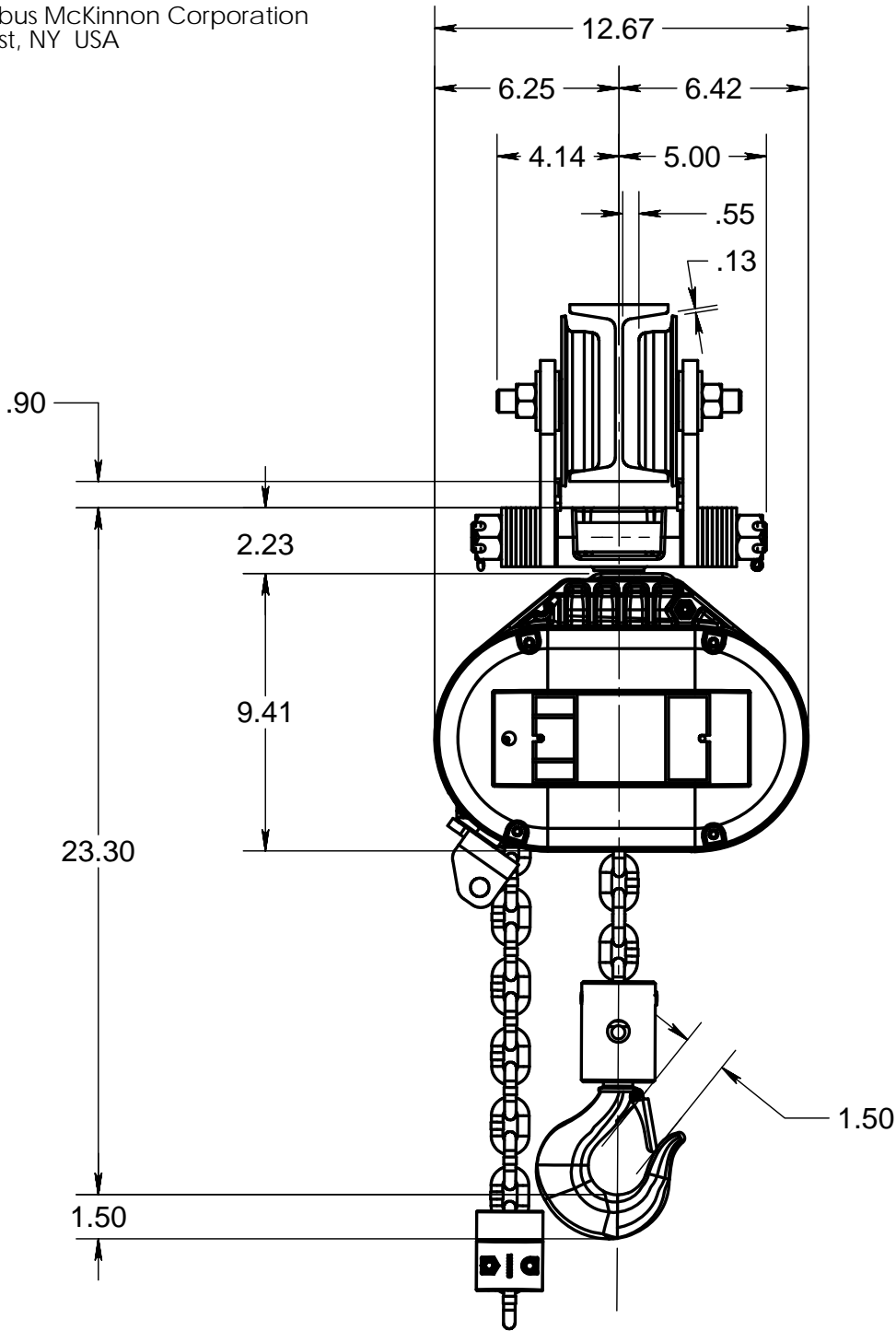
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B

A

Columbus McKinnon Corporation
Amherst, NY USA

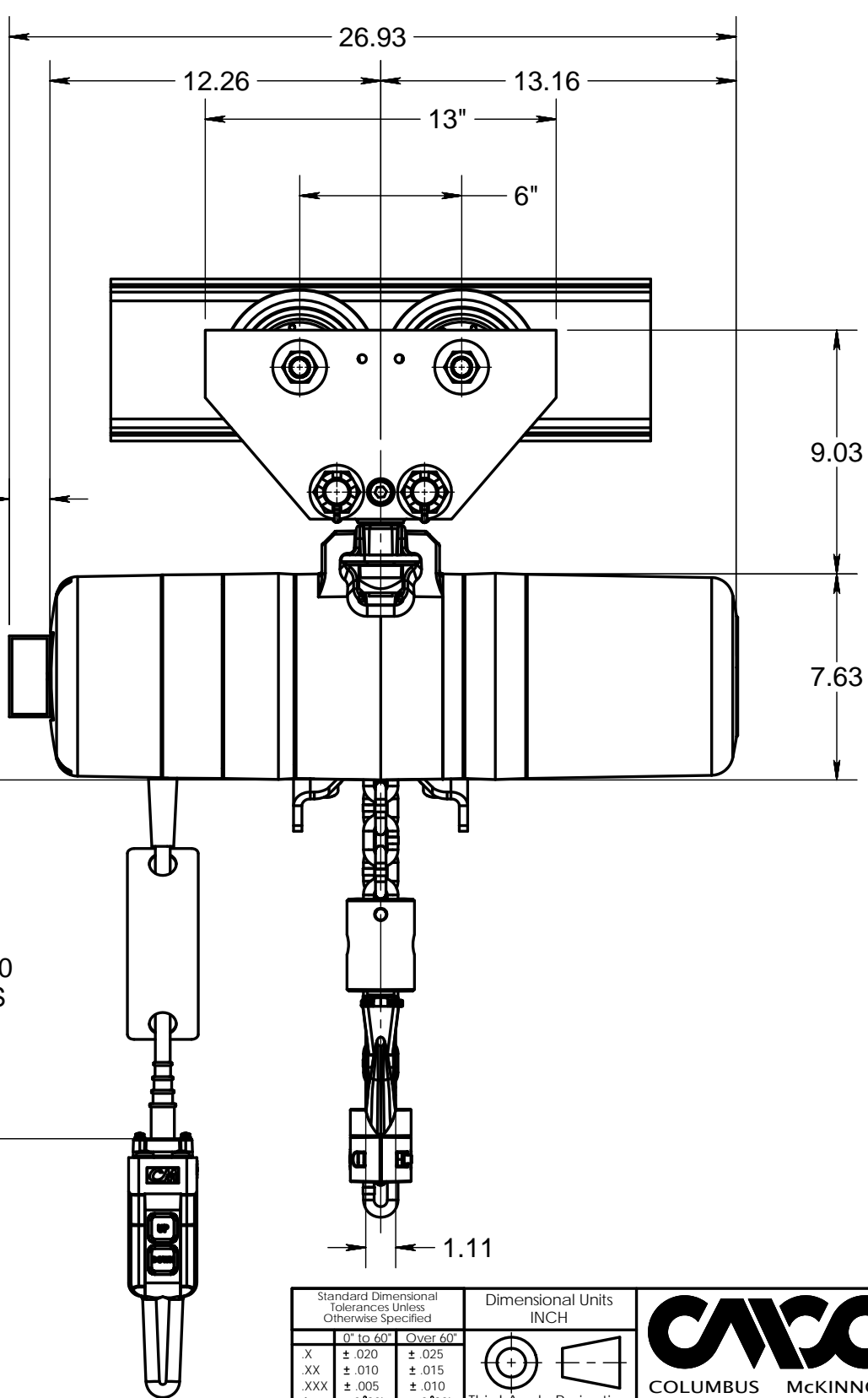
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16.00
NTS

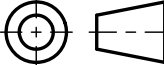
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D

C

B

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
	0° to 60°	Over 60°	 Third Angle Projection		
.X	± .020	± .025			
.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
Material:					
Standard:					
Material No:					
Modeled:	9/22/2014	MSR			
Drawn:	9/22/2014	MSR			
Approved:	9/22/2014	MSR			
Design Authority:	Damascus				
Original project:	CAD Data				
Original scale:	1:6				



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Hoist & Rigging - Americas
Amherst, NY USA

Description:
**LODESTAR MODEL RRS
W/PUSH TROLLEY
INDUSTRIAL - VFD**

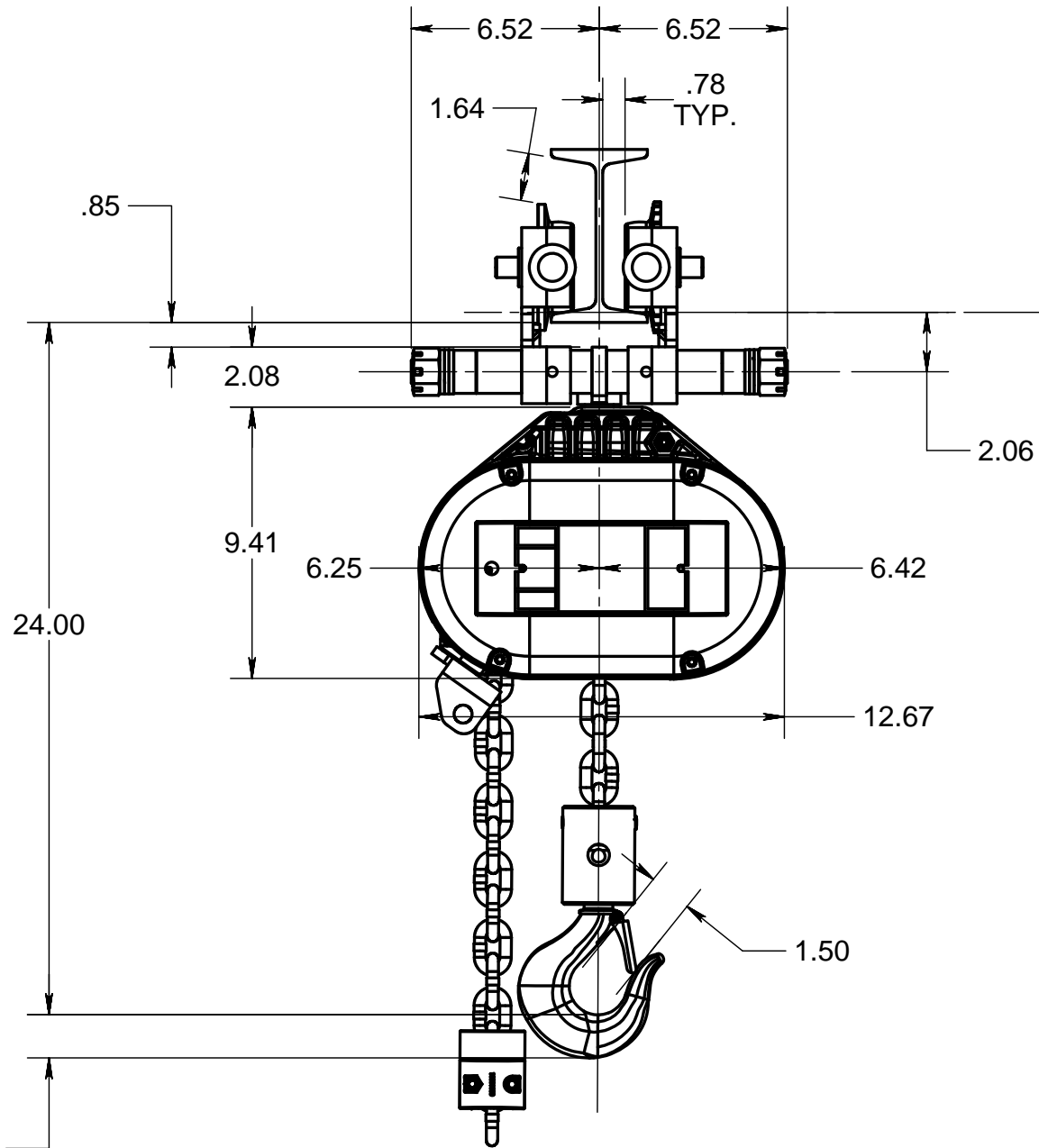
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B 1f-13128

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1/1

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ECN	Rev.	Description of change	Date	By	

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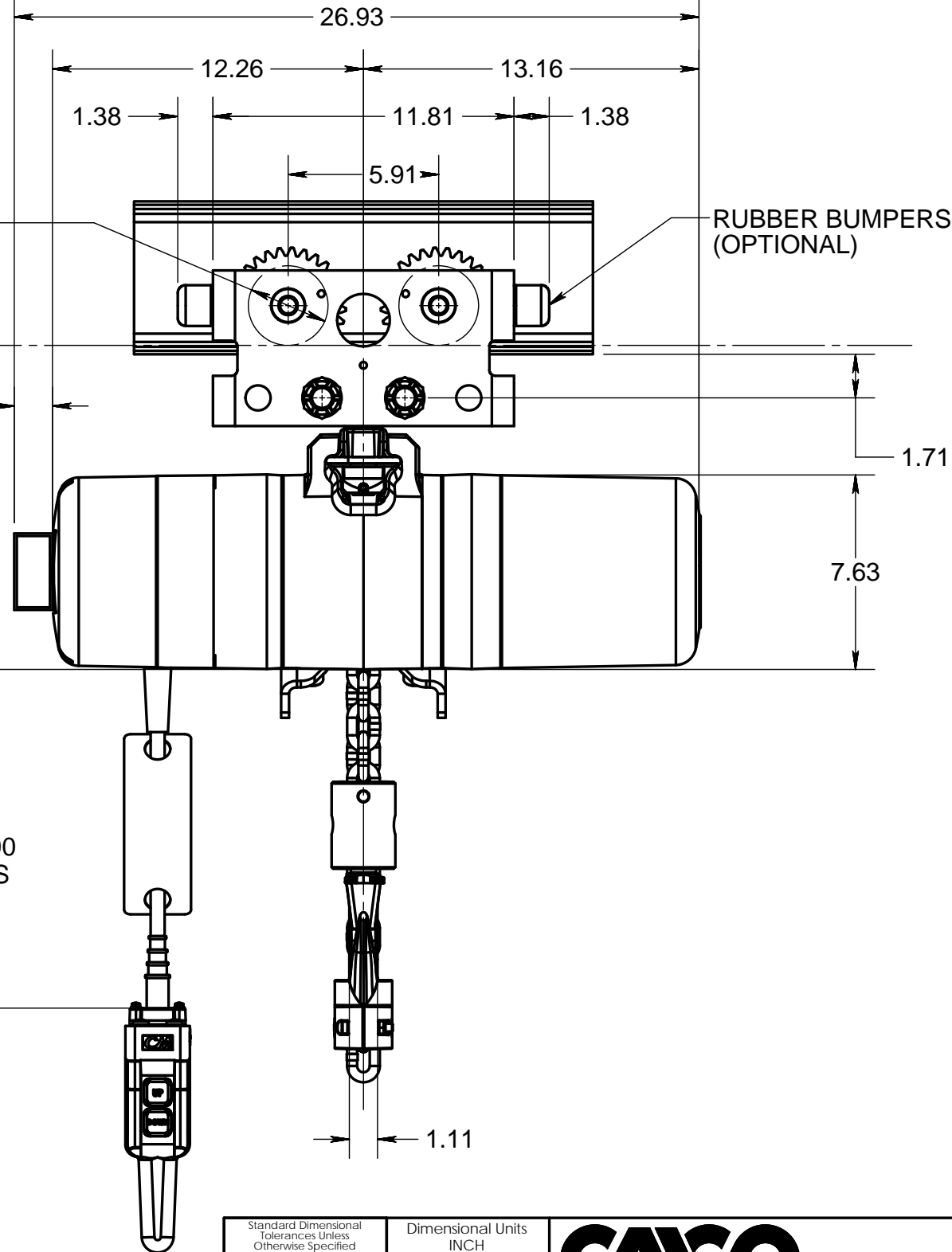


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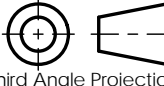
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1.50

16.00
NTS



RUBBER BUMPERS
(OPTIONAL)

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.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
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Drawn:		9/22/2014	MSR	
Approved:		9/22/2014	MSR	
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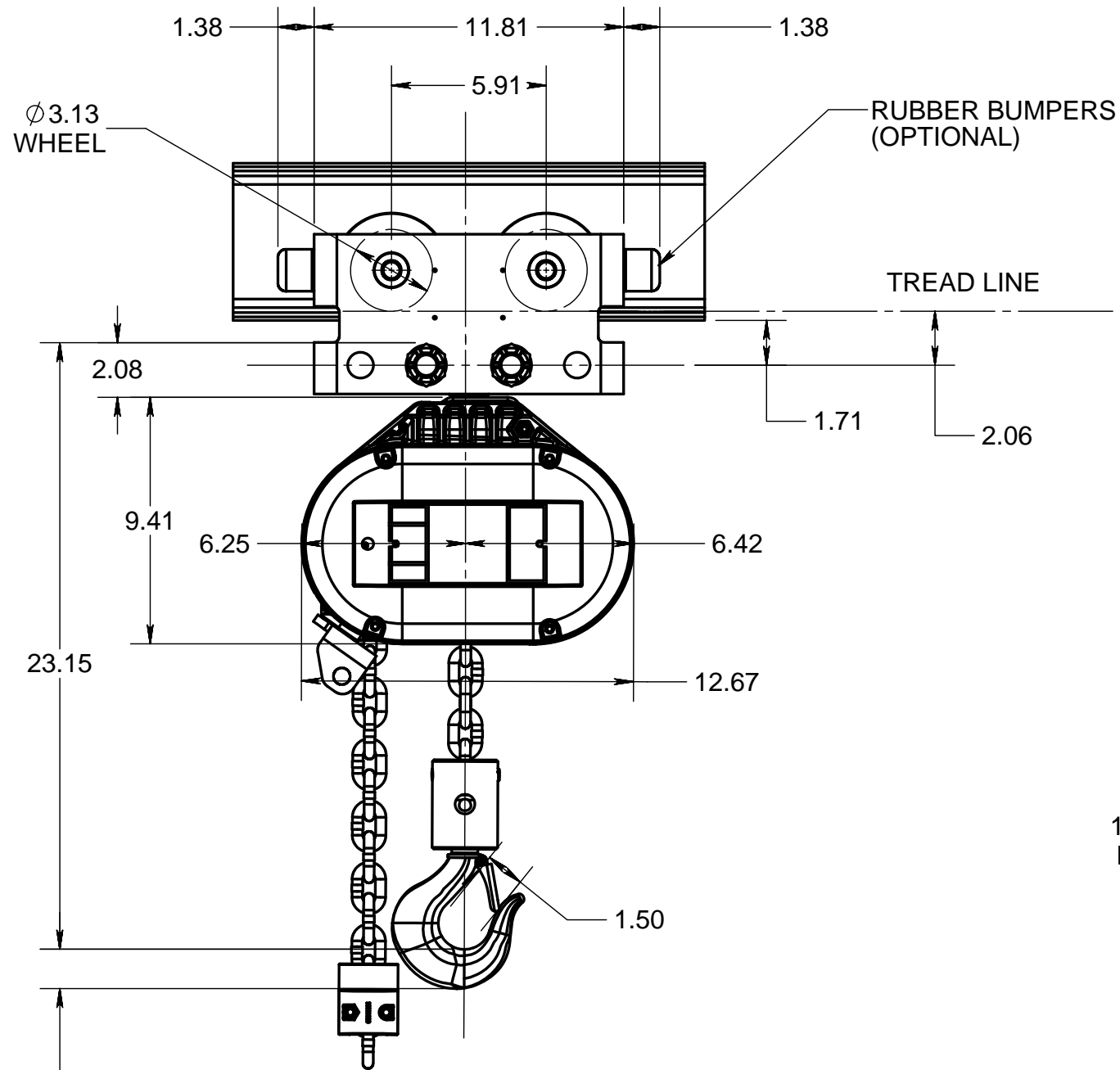
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LODESTAR MODEL RRS
W/UNIVERSAL TROLLEY - GEARED
INDUSTRIAL - VFD

Number:
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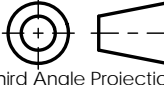
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ECN	Rev.	Description of change	Date	By

Columbus McKinnon Corporation
Amherst, NY USA



16.00
NTS

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0" to 60"	Over 60"		Third Angle Projection
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
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Modeled:			9/23/2014	MSR
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Approved:			9/23/2014	MSR
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Original scale:			1:6	



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Hoist & Rigging - Americas
Amherst, NY USA

Format
B

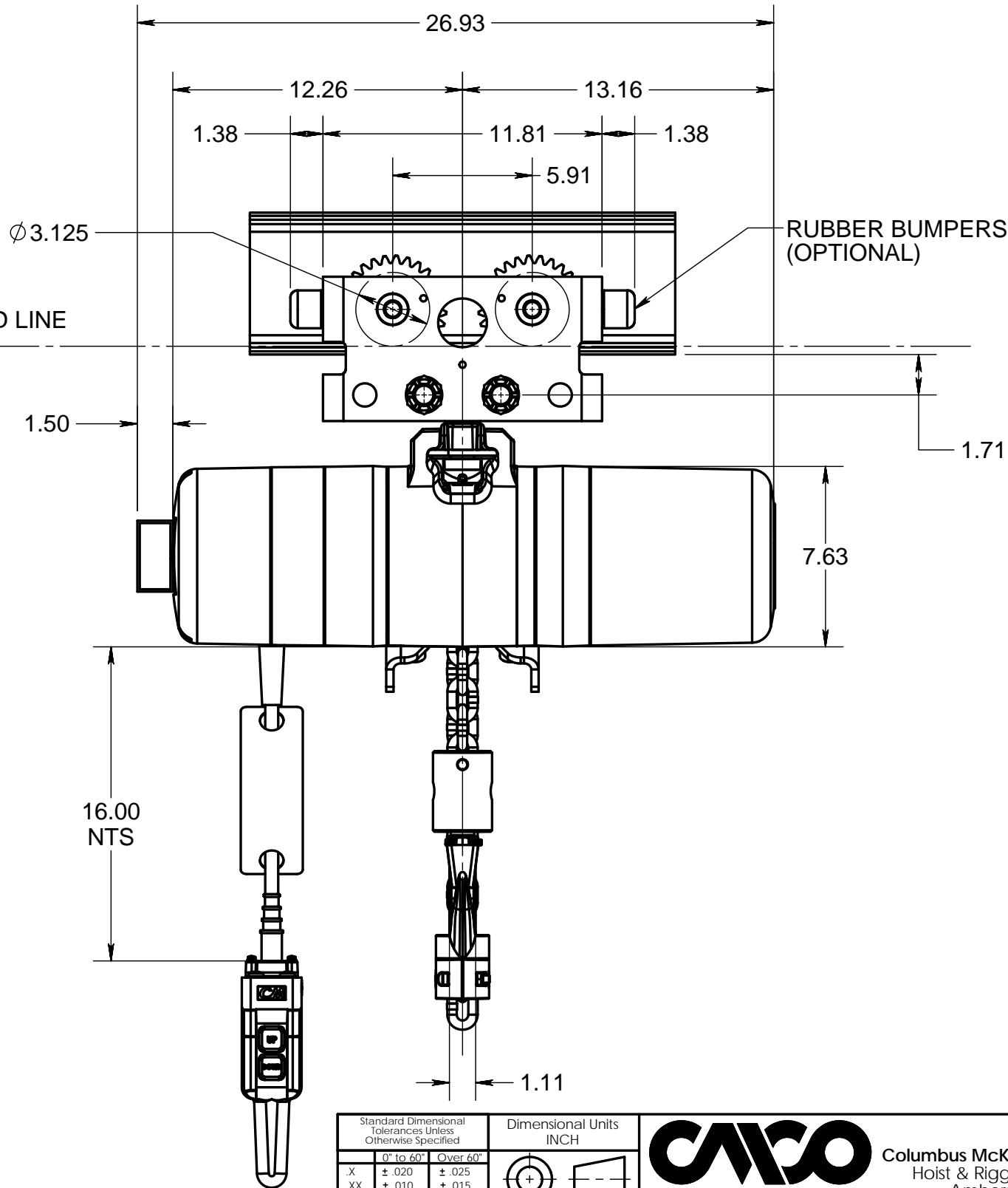
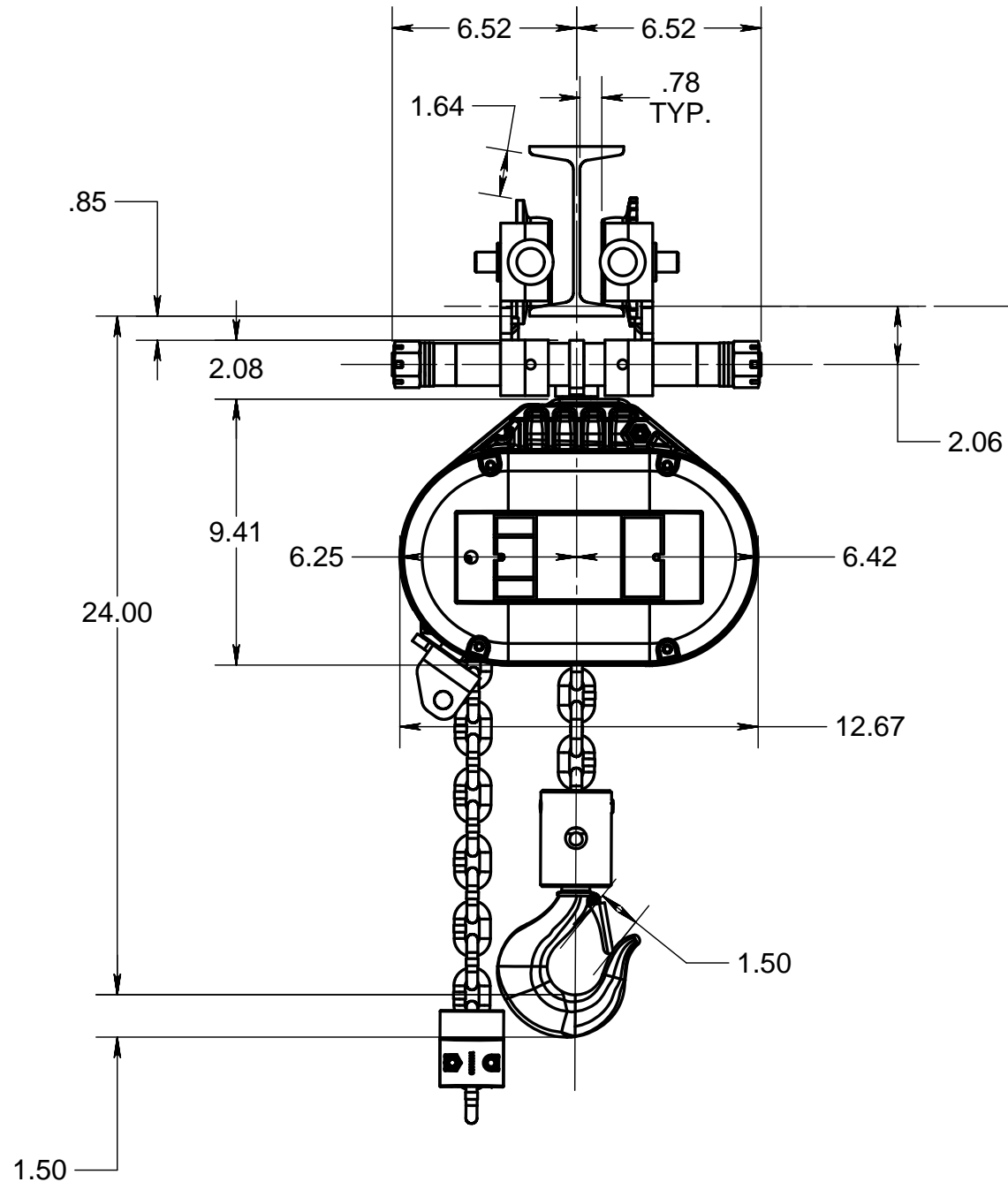
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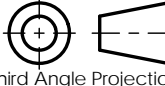
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ECN	Rev.	Description of change	Date	By

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Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0" to 60"	Over 60"	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
Standard:				
Material No:				
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Drawn:	9/23/2014	MSR		
Approved:	89/23/2014	MSR		
Design Authority:	Damascus			
Original project:	CAD Data			
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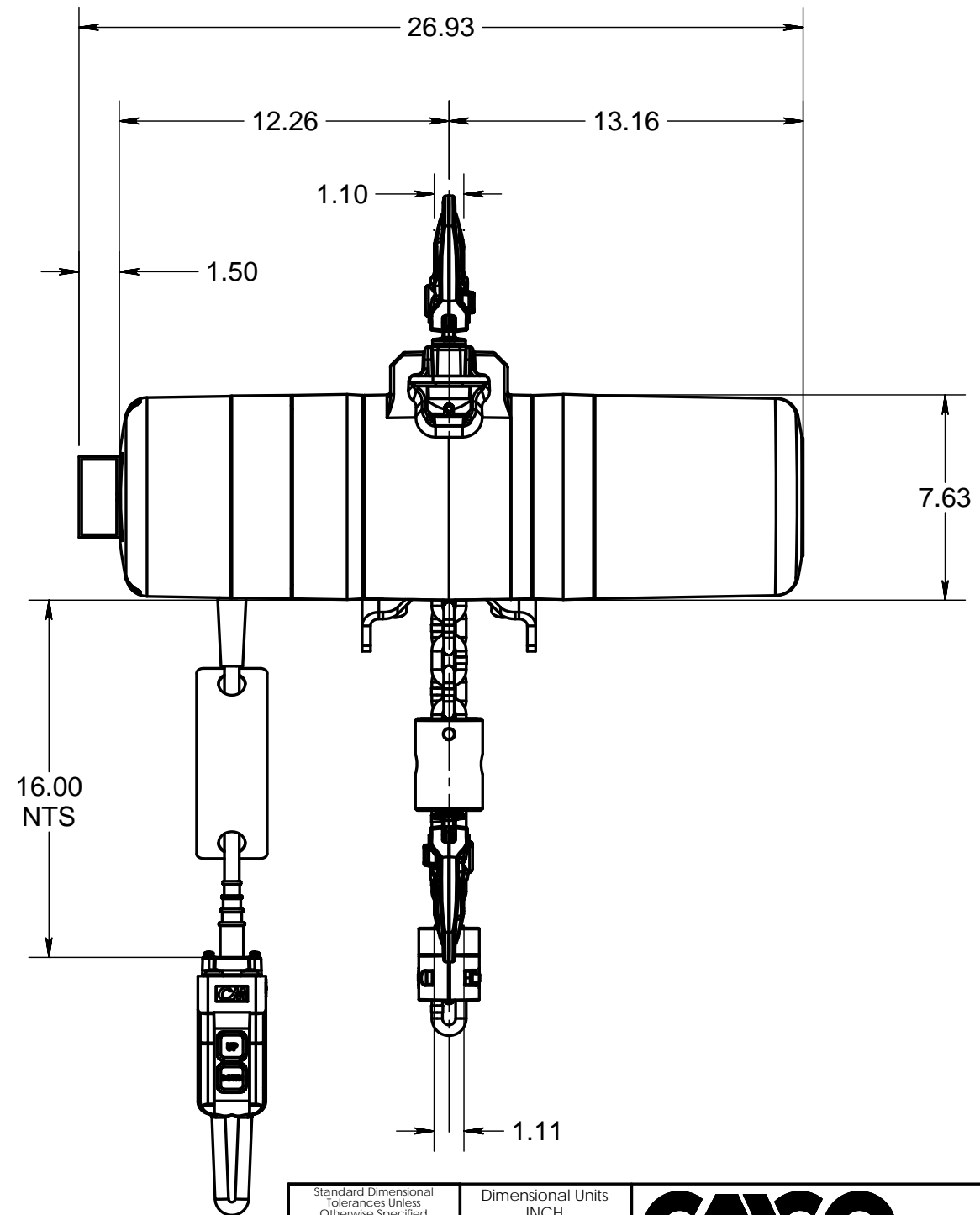




Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

Format Number:
B 1f-13131

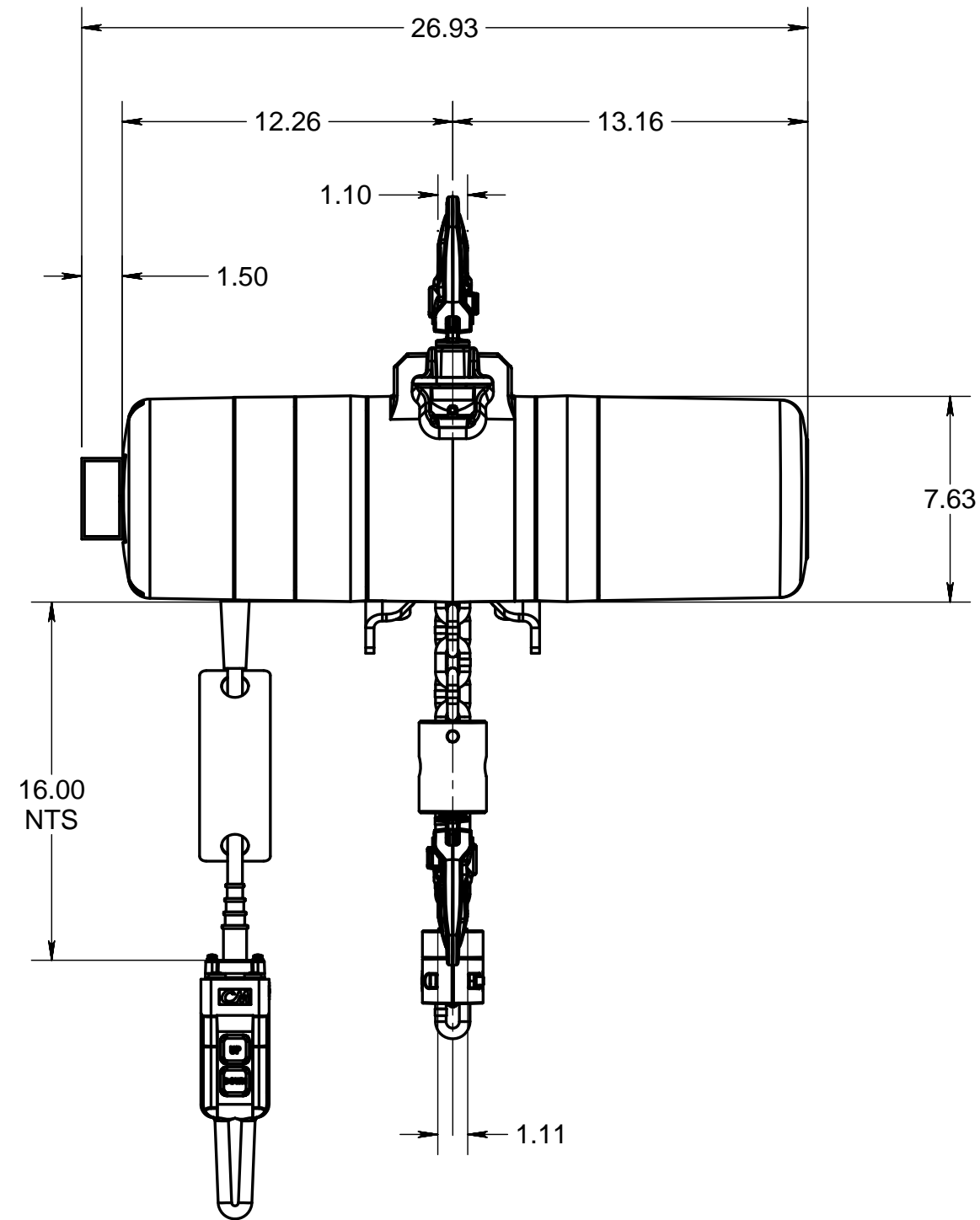
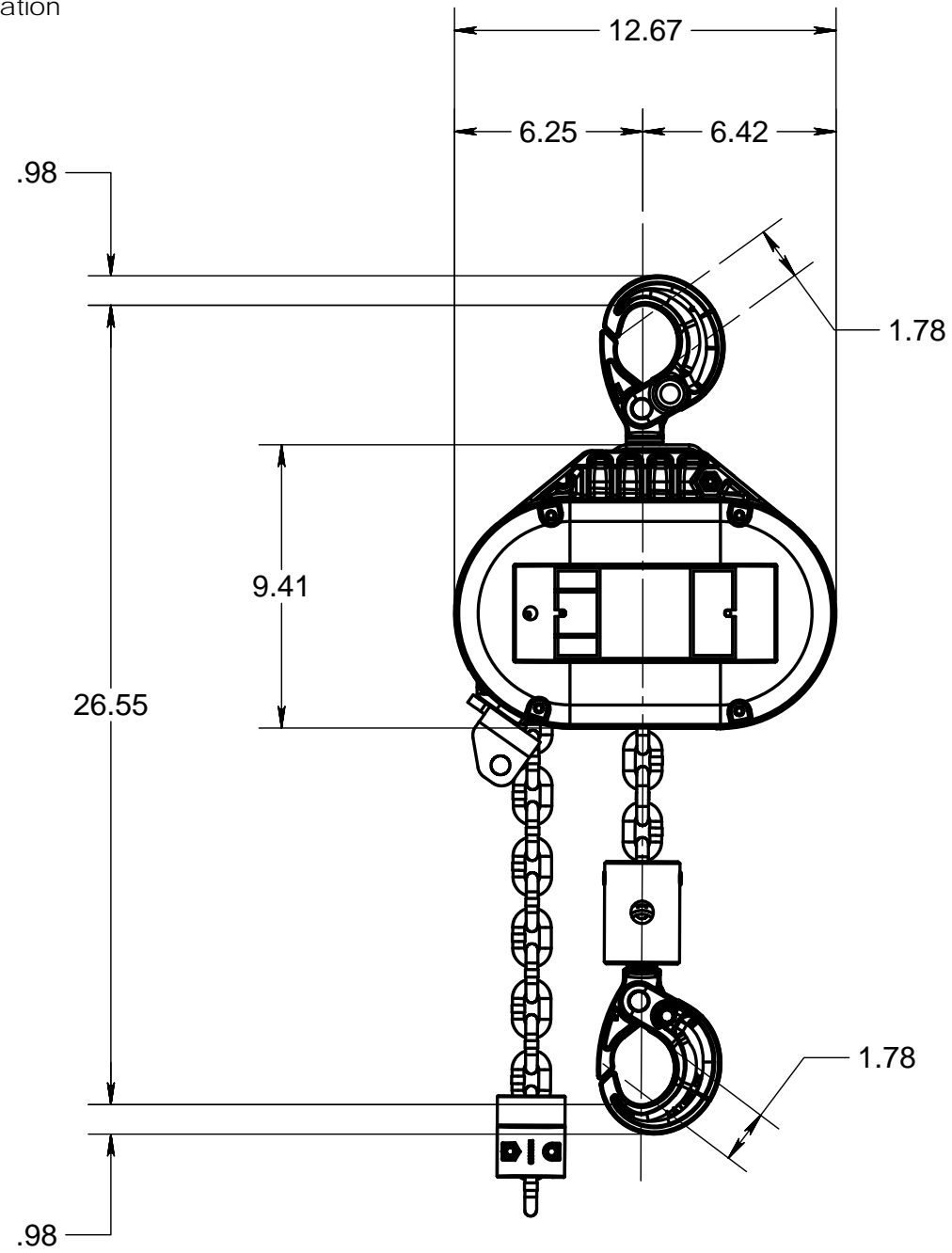
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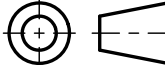
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION	Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
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X	± .020	± .025					
.XX	± .010	± .015					
.XXX	± .005	± .010					
Ang	± 0°30'	± 0°30'					
Material:					Description: LODESTAR MODEL RRS W/RIGID LATCHLOK HOOK INDUSTRIAL-VFD		
Standard:							
Material No:							
Modeled:	9/24/2014	MSR					
Drawn:	9/24/2014	MSR					
Approved:	9/24/2014	MSR					
Design Authority:		Damascus		Format B	Number: 1F-13132	Sheet 1 / 1	
Original project:		CAD Data					
Original scale:		1:6					


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ECN	Rev.	Description of change	Date	By	

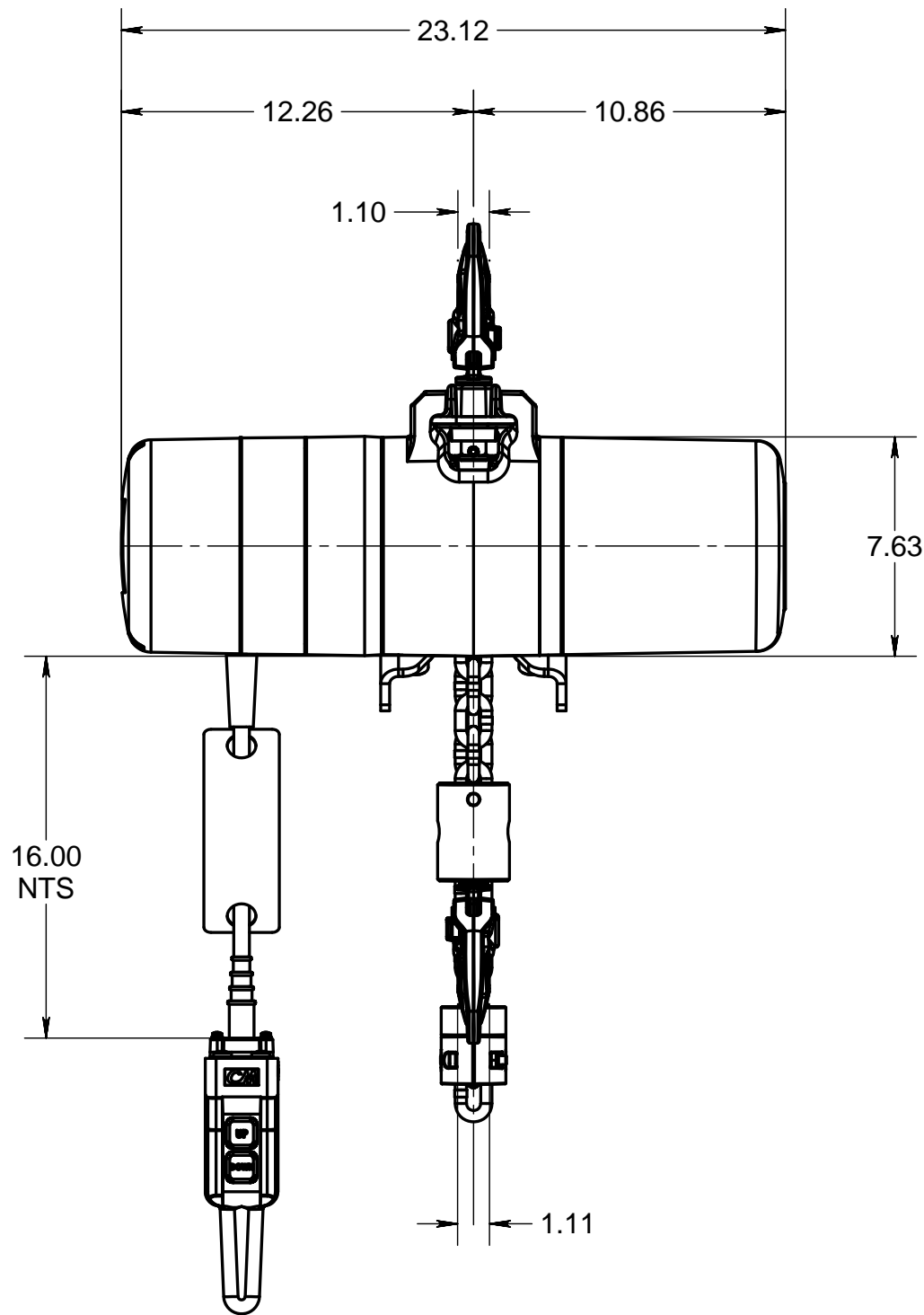
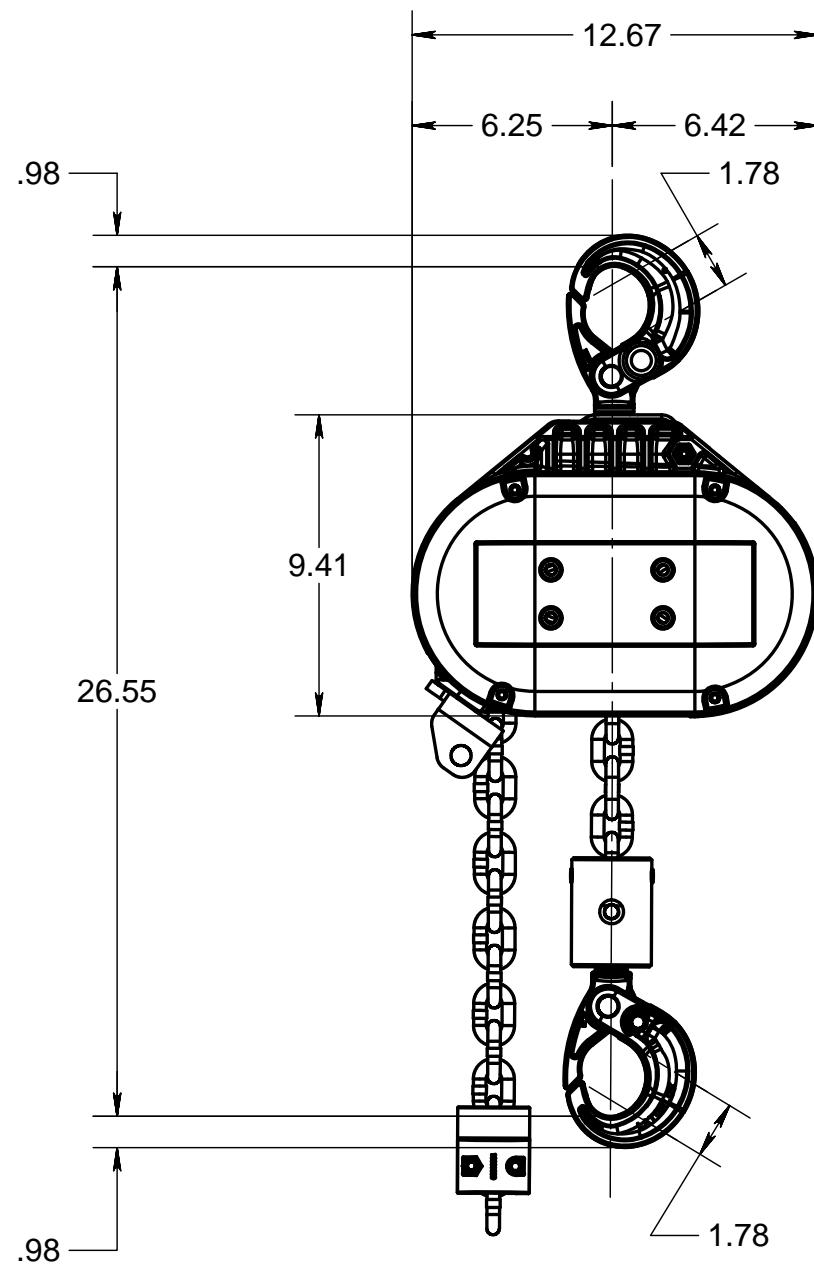
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
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.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
Standard:				
Material No:				
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Drawn:		9/26/2014	MSR	
Approved:		9/26/2014	MSR	
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Hoist & Rigging - Americas
Amherst, NY USA

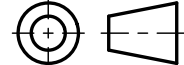
Format	Number:	Sheet 1/1
B	1F-13136	


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Amherst, NY USA



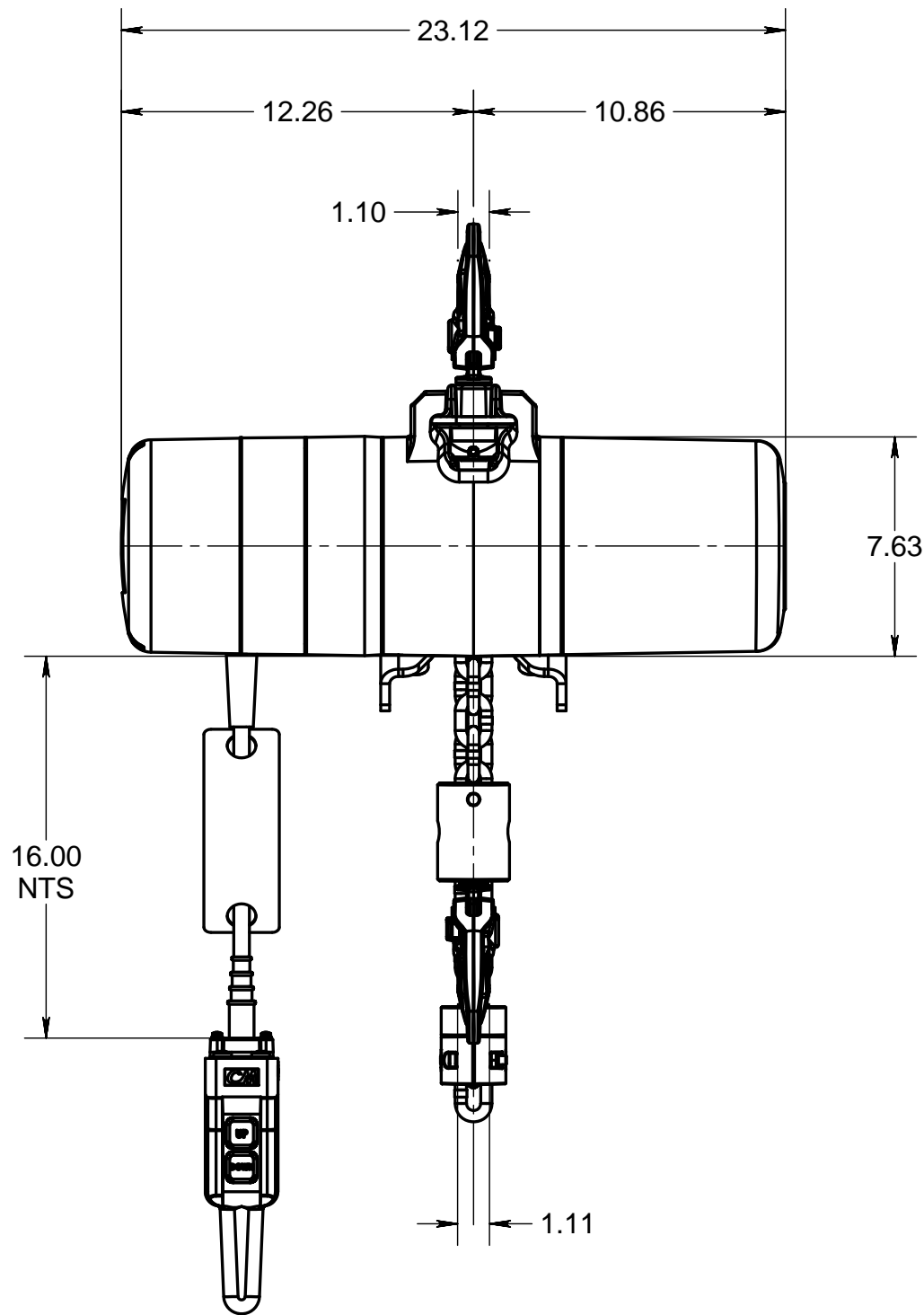
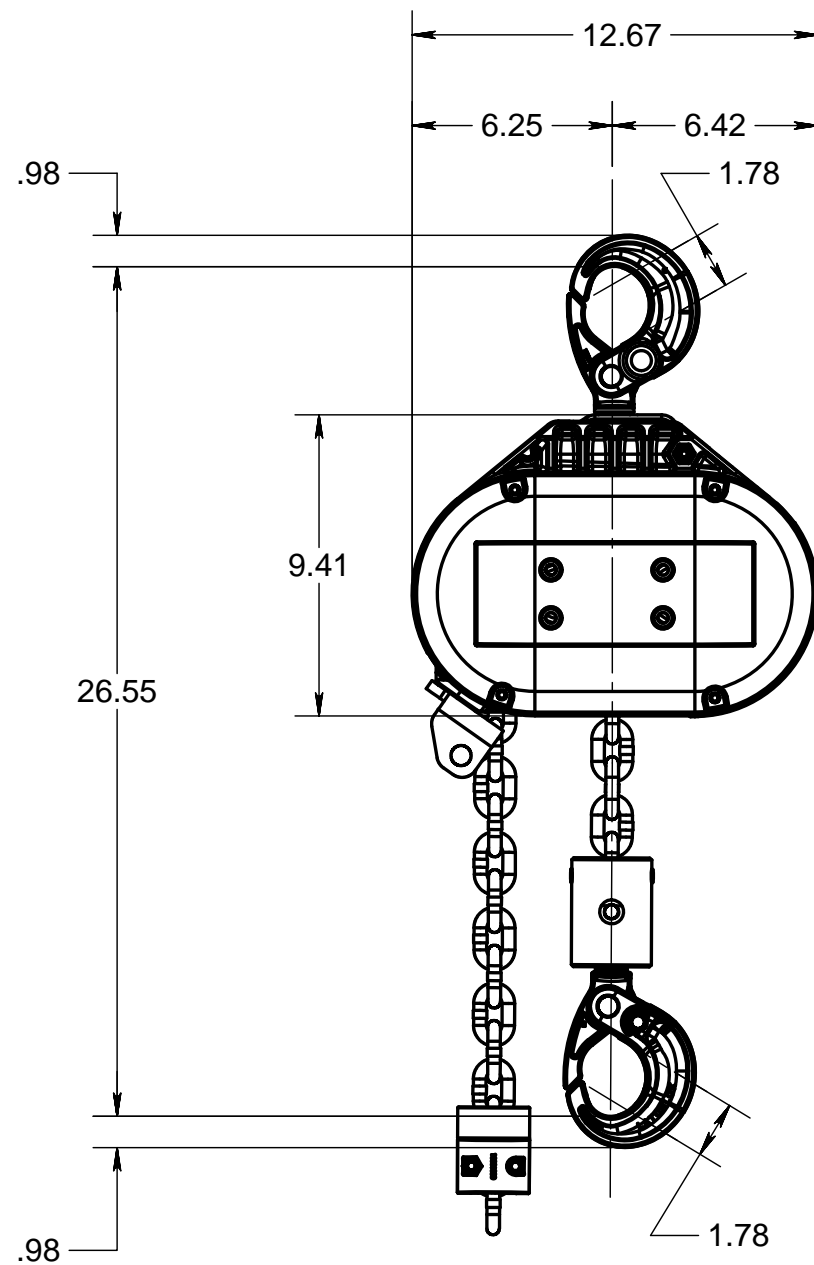
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ECN	Rev.	Description of change	Date	By	

Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
	0" to .60"	Over .60"		Third Angle Projection	
.X	± .020	± .025			
.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
Material:					
Standard:					
Material No:					
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Drawn:		9/26/2014	MSR		
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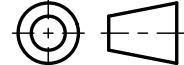
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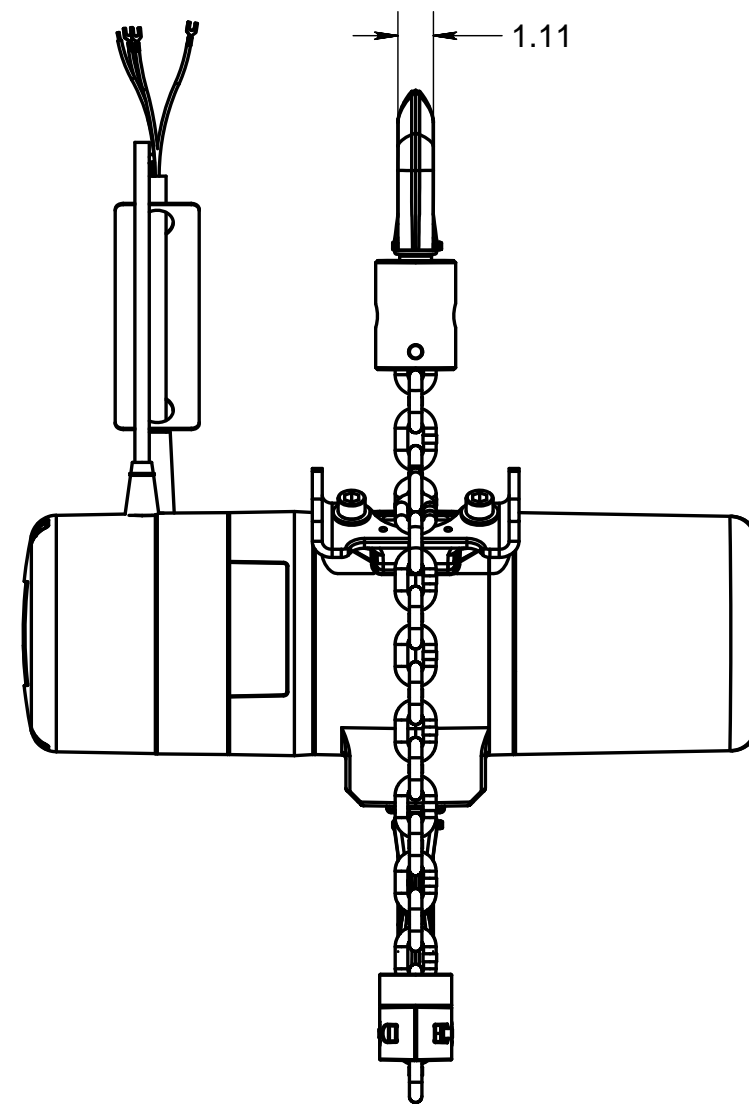
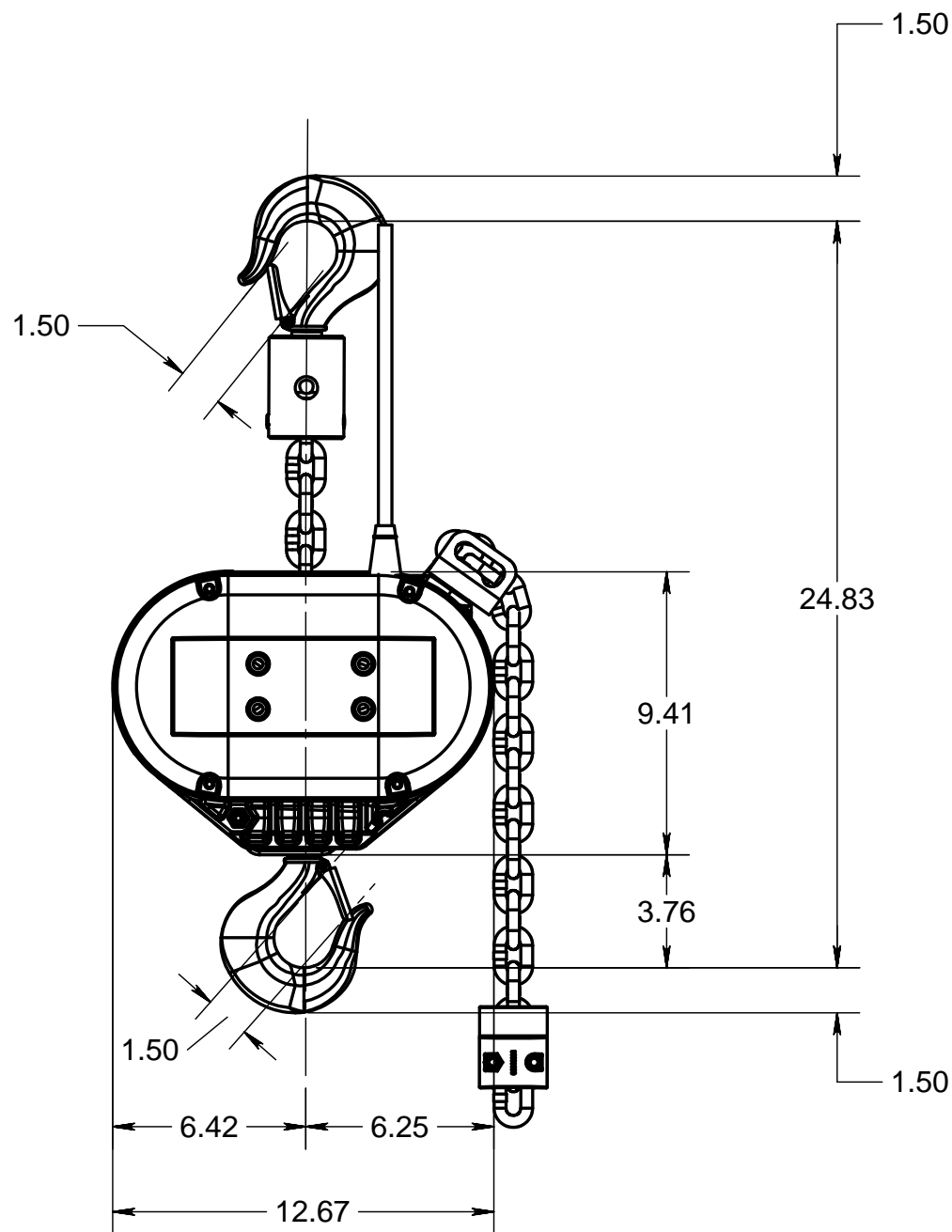
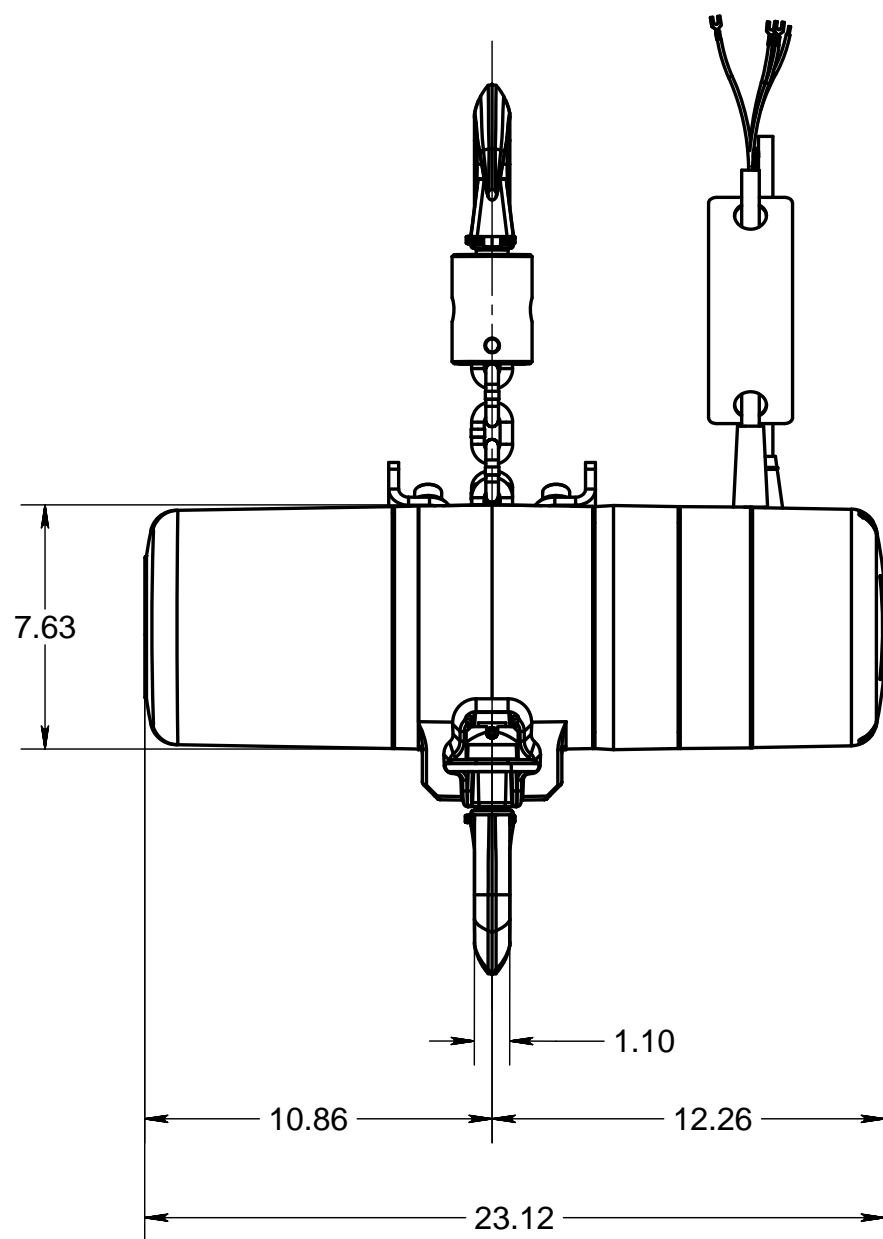
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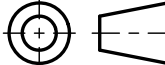
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
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.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
Material:					
Standard:					
Material No:					
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Drawn:			9/26/2014	MSR	
Approved:			9/26/2014	MSR	
Design Authority:			Damascus		
Original project:			CAD Data		
Original scale:			1:6		


		Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
Description: LODESTAR MODEL RRS W/RIGID LATCHLOK HOOK			
Format	Number:		Sheet
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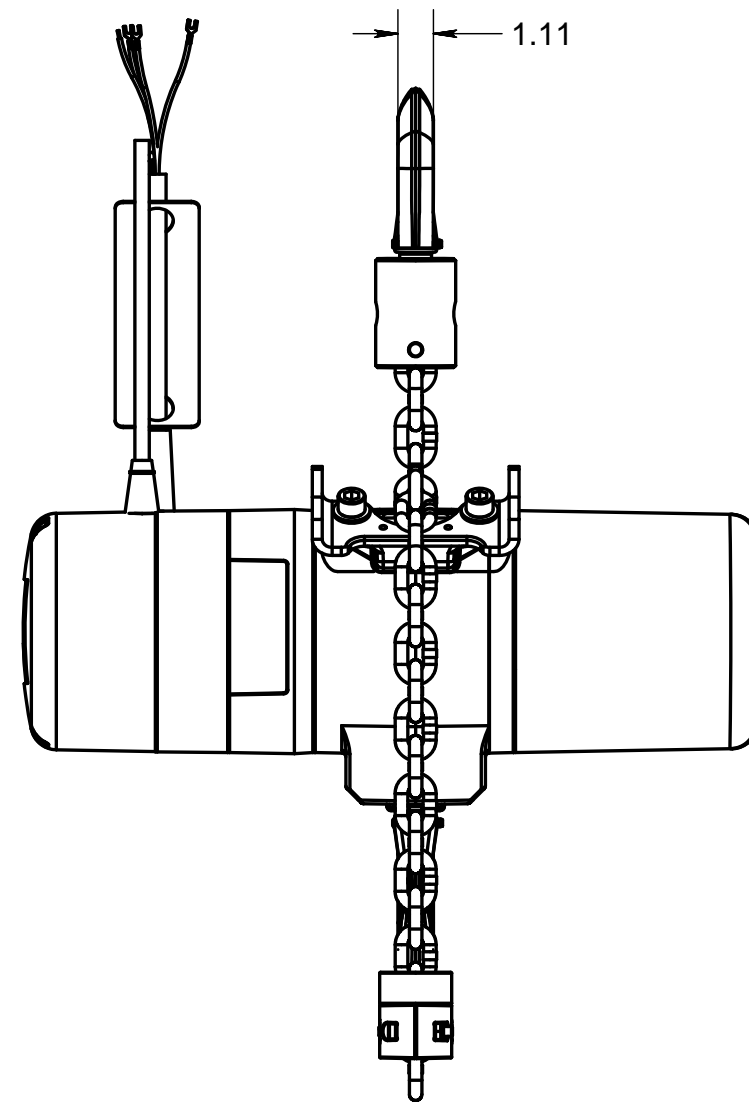
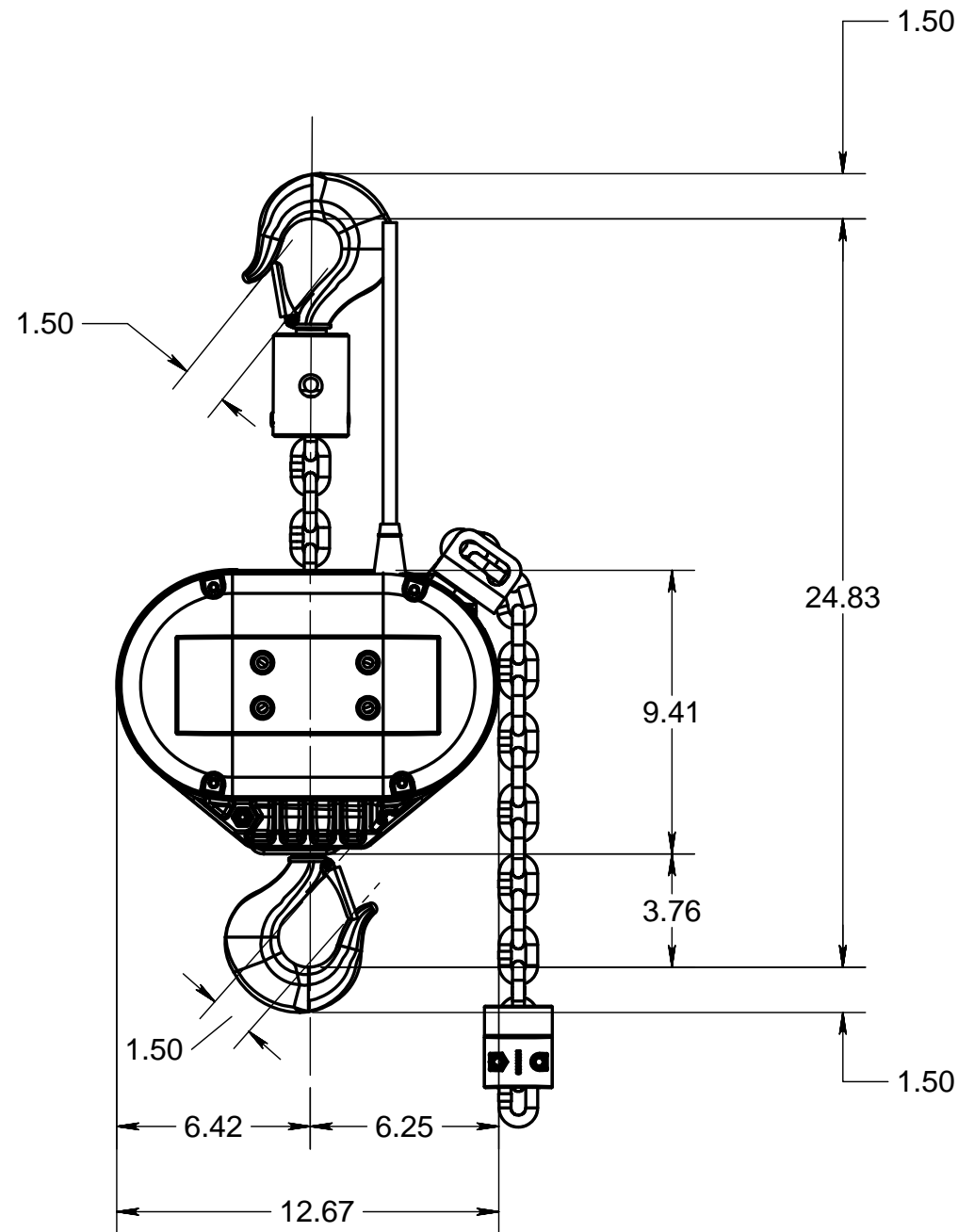
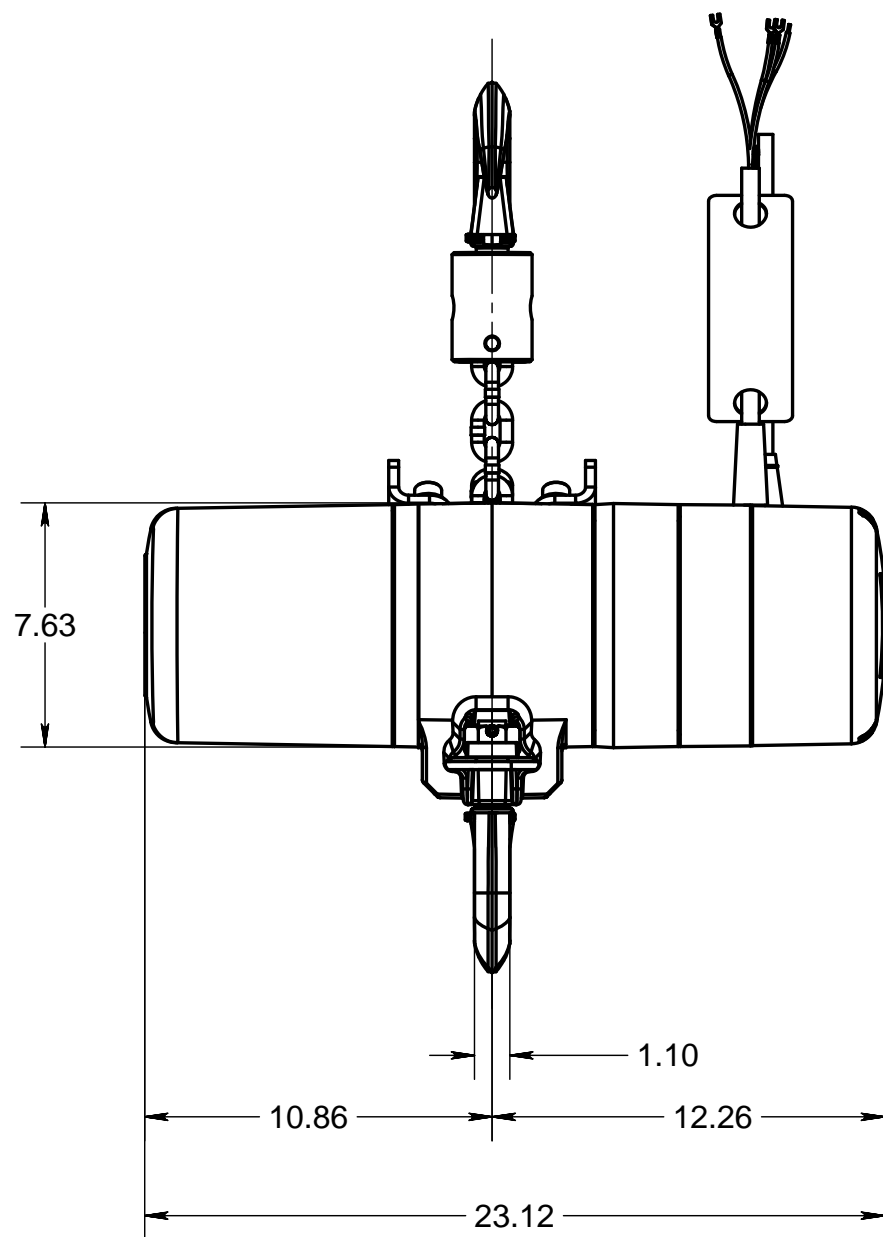
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
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.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
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Material No:				
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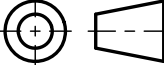
 COLUMBUS MCKINNON CORPORATION		Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
Description: LODESTAR MODEL RRS W/RIGID LATCH TYPE HOOK ENTERTAINMENT		Format B	
Number: 1f-13139		Sheet 1/1	

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Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH		
	0" to 60"	Over 60"	 Third Angle Projection		
.X	± .020	± .025			
.XX	± .010	± .015			
.XXX	± .005	± .010			
Ang	± 0°30'	± 0°30'			
Material:			Modeled:	10/1/2014	MSR
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Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

Description:
LODESTAR MODEL RRS
W/SWIVEL LATCH TYPE HOOK
ENTERTAINMENT

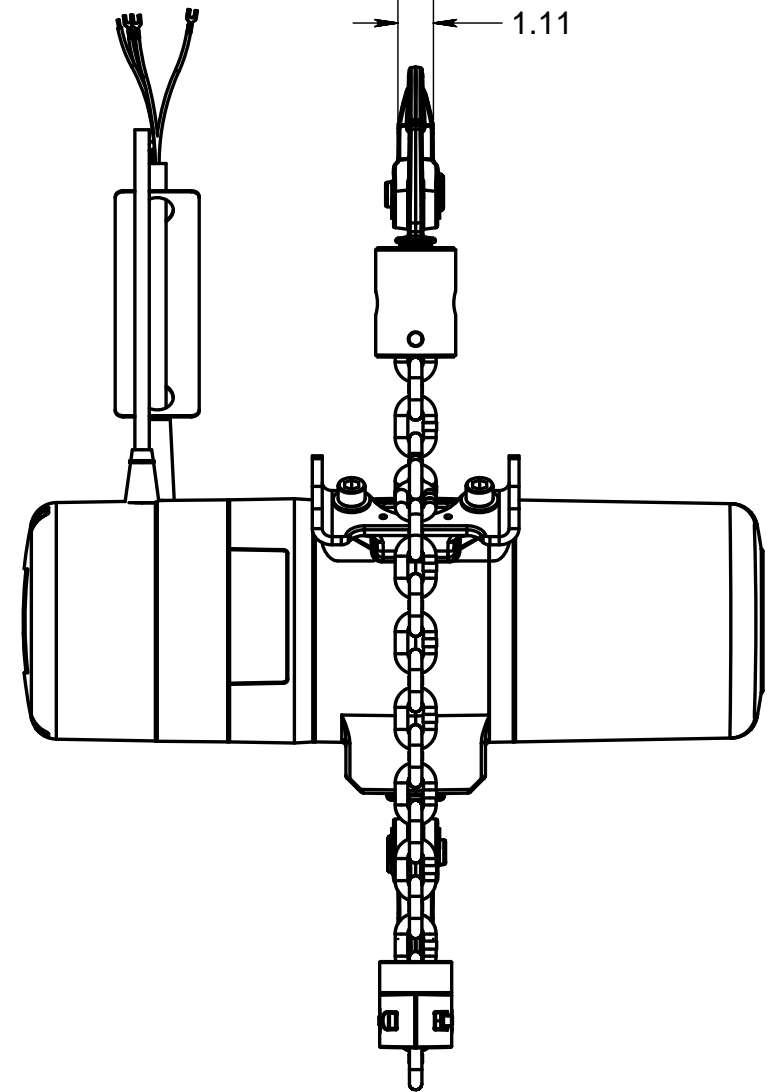
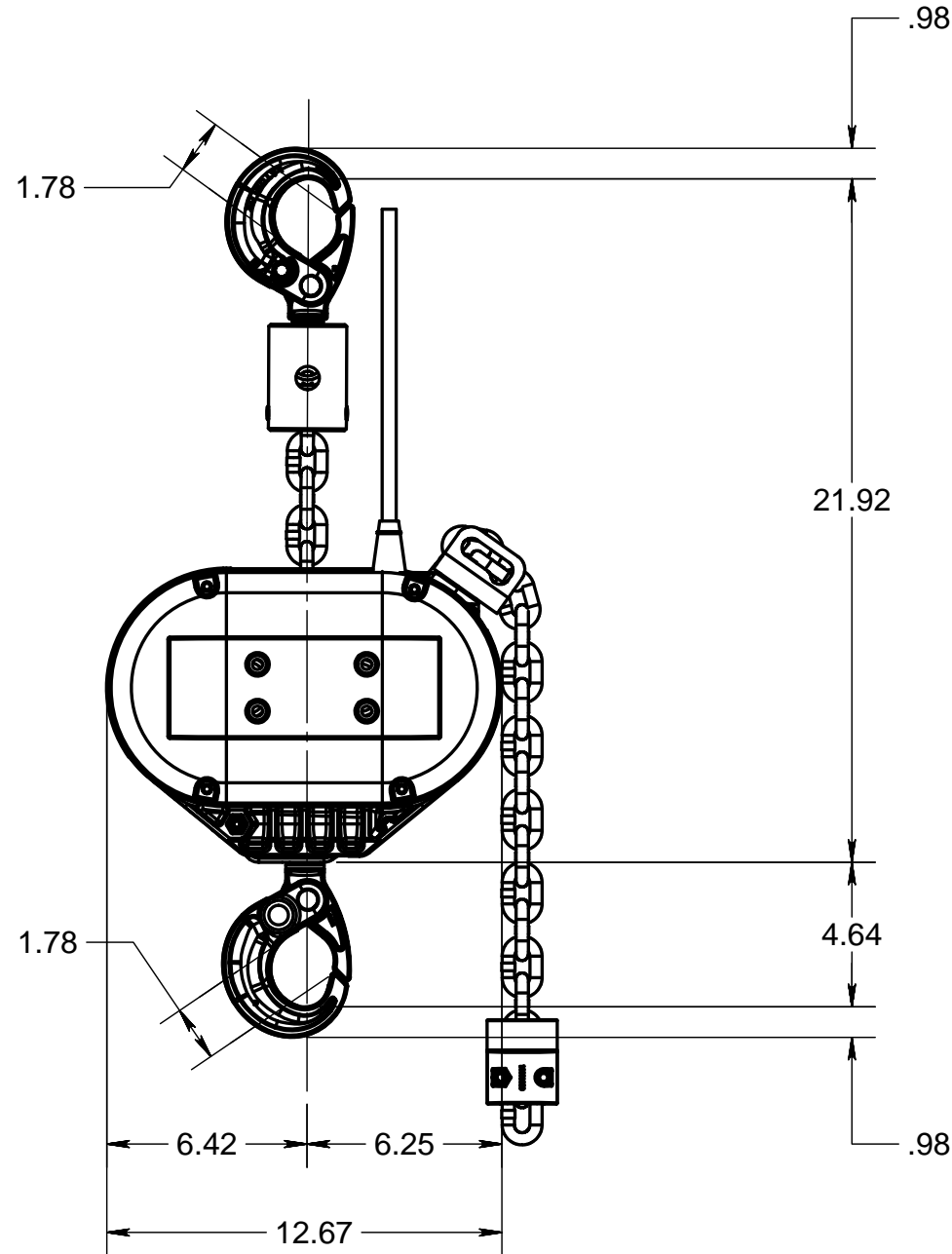
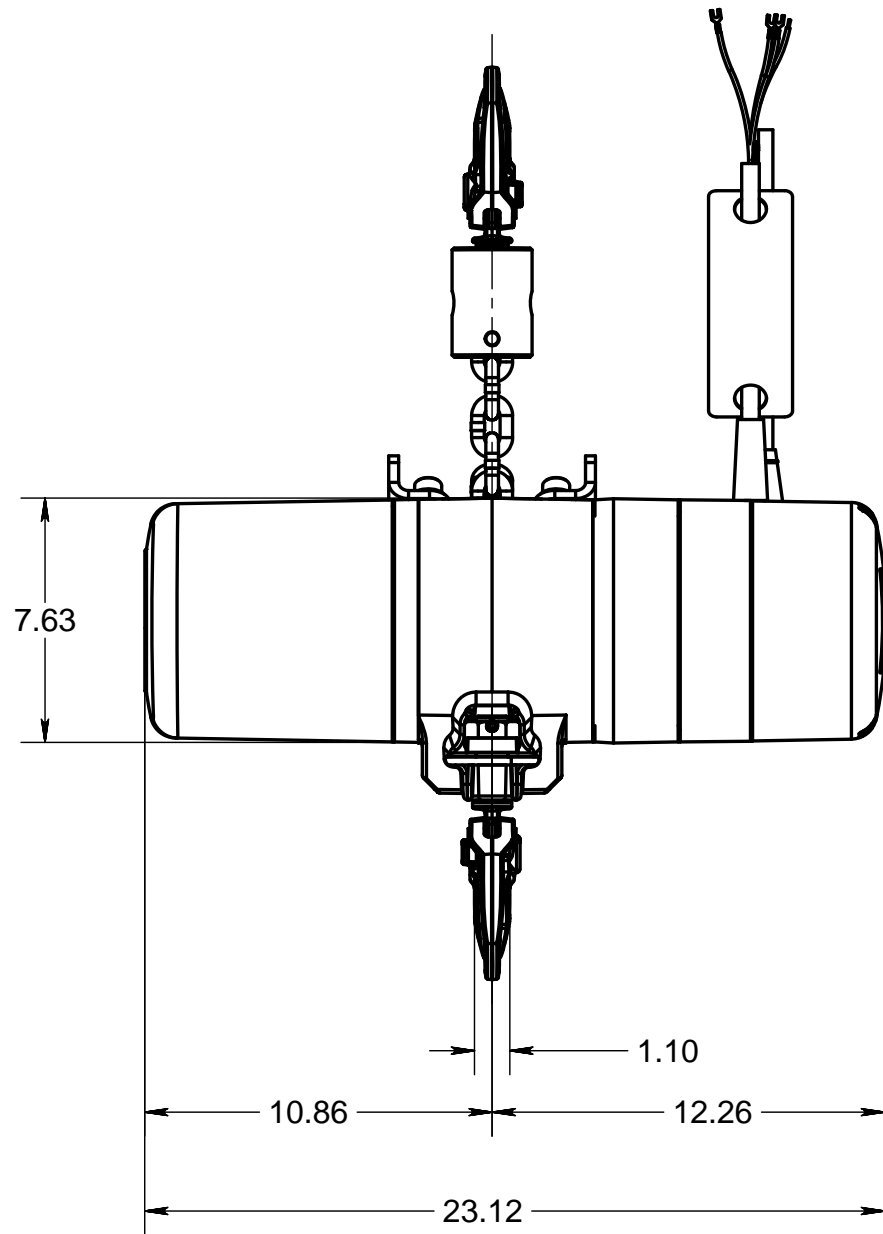
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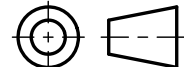
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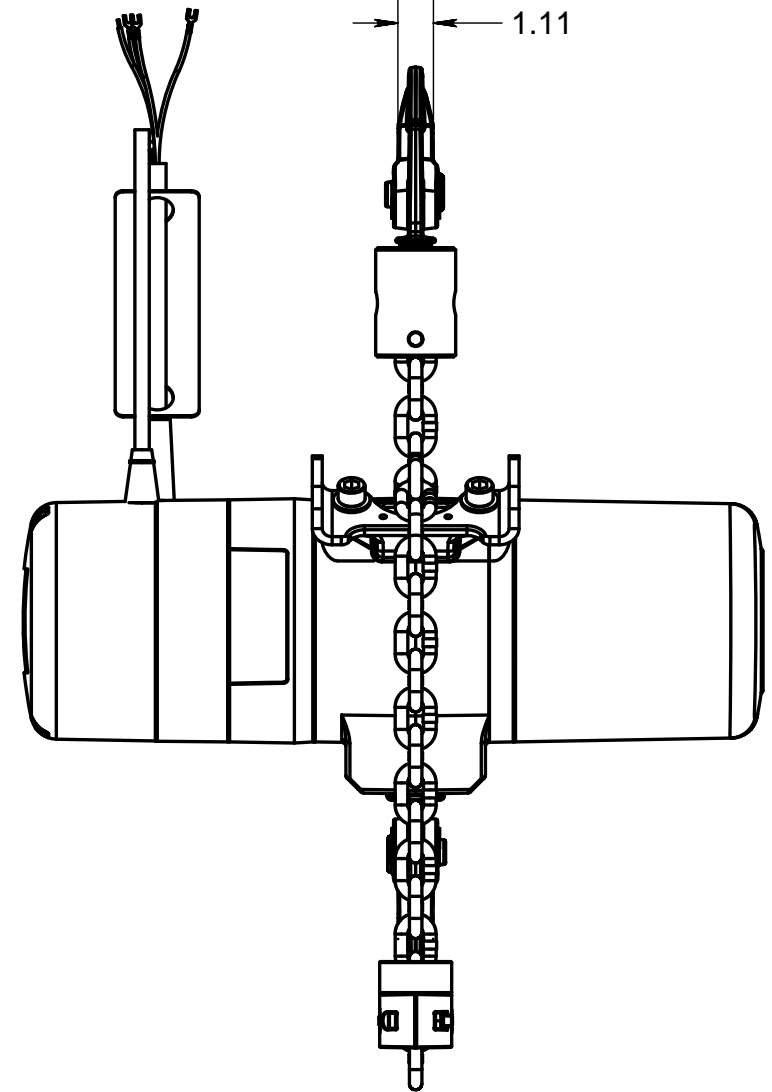
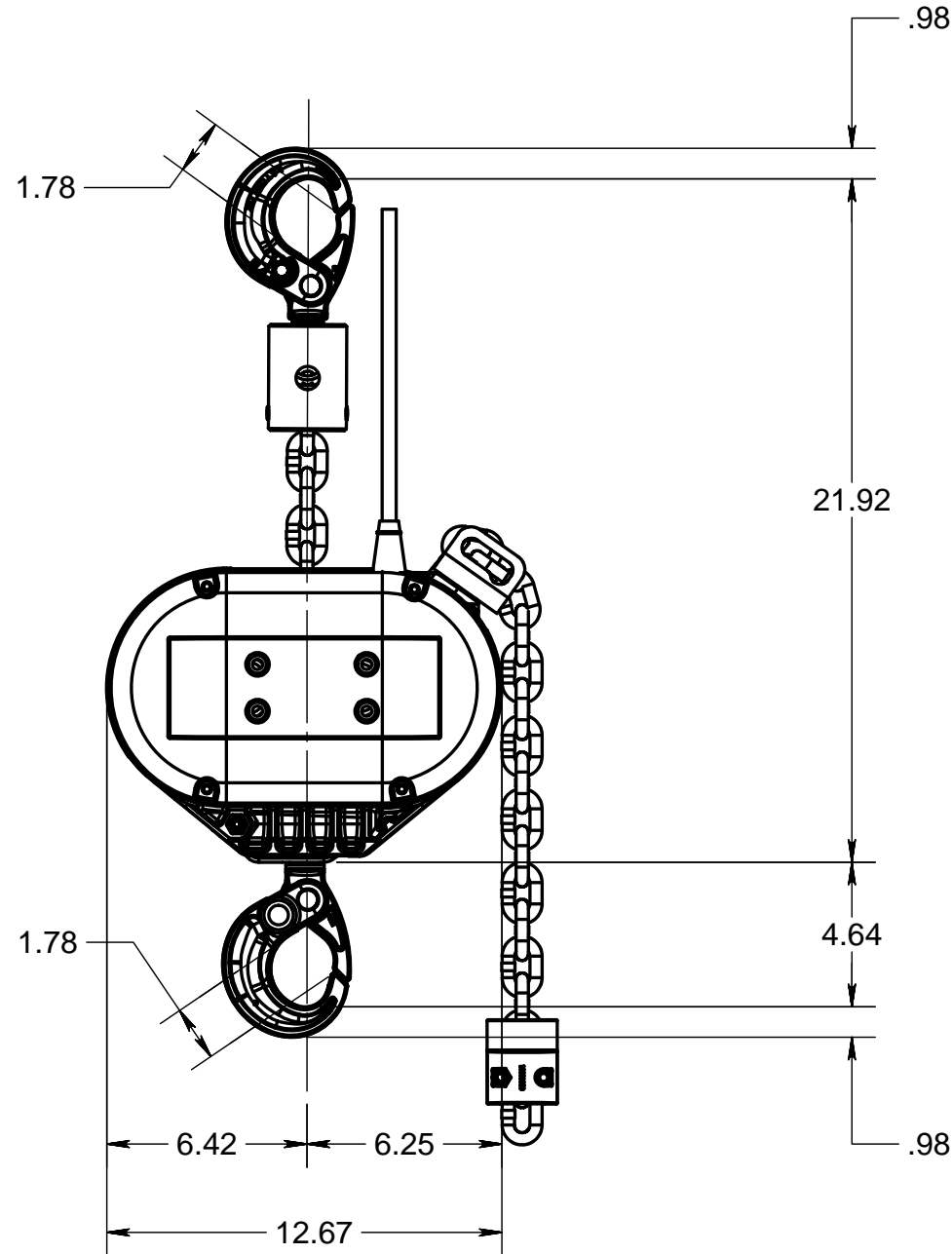
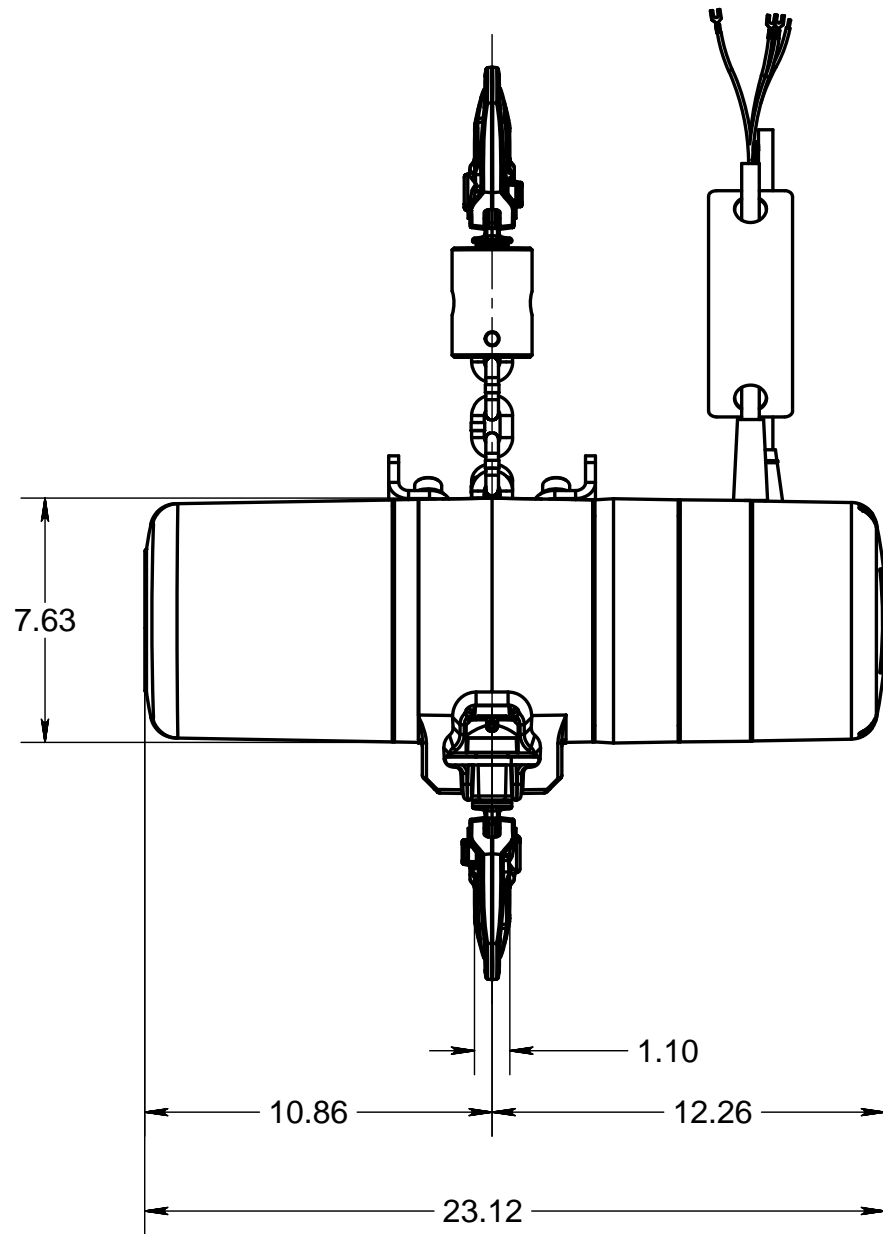
Standard Dimensional Tolerances Unless Otherwise Specified			Dimensional Units INCH	
	0° to 60°	Over 60°	 Third Angle Projection	
.X	± .020	± .025		
.XX	± .010	± .015		
.XXX	± .005	± .010		
Ang	± 0°30'	± 0°30'		
Material:				
Standard:				
Material No:				
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Drawn:		10/1/2014	MSR	
Approved:		10/1/2014	MSR	
Design Authority:		Damascus		
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Original scale:		1:6		

 COLUMBUS MCKINNON CORPORATION		Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
Description: LODESTAR MODEL RRS W/SWIVEL LATCHLOK HOOK ENTERTAINMENT			
Format	Number:		Sheet
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ECN	Rev.	Description of change	Date	By

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Standard Dimensional Tolerances Unless Otherwise Specified		Dimensional Units INCH		 COLUMBUS MCKINNON CORPORATION Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA				
	0° to 60°	Over 60°						
.X	± .020	± .025	 Third Angle Projection	Description: LODESTAR MODEL RRS W/RIGID LATCHLOK HOOK ENTERTAINMENT				
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.XXX	± .005	± .010						
Ang	± 0°30'	± 0°30'						
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Standard:								
Material No:								
Modeled:					10/1/2014			MSR
Drawn:					10/1/2014			MSR
Approved:			10/1/2014	MSR	Sheet 1/1			
Design Authority:			Damascus					
Original project:			CAD Data					
Original scale:			1:6					

ECN	Rev.	Description of change	Date	By



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