

# PRO Series® THE NEXT GENERATION OF BATTERY HANDLING EQUIPMENT

## BATTERY TUGGER ELECTRIC



**PRO**SERIES®

BATTERY HANDLING EQUIPMENT

# BATTERY HANDLING EQUIPMENT

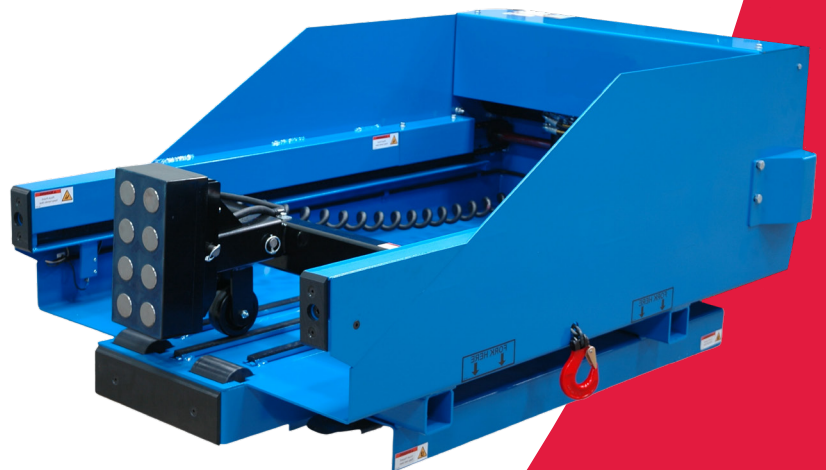
## BATTERY TUGGER ELECTRIC BATTERY HANDLING EQUIPMENT

The Battery Tugger Electric (BTE) battery handling equipment is the global standard in low-volume high-efficiency battery changing. The reliability, safety standards and changing efficiency are second-to-none and unrivaled in today's battery changing industry. All BTE battery handling equipment models are engineered with a fully welded, unibody construction and finished in premium acid-proof powder coat paint to ensure they'll be delivering reliable and effective battery changes for many years to come.

The BTE battery handling equipment series is fitted with our reliable 818kg electromagnetic extraction system that is used extensively on our man-aboard systems. The unit also uses a lead roller to ensure smooth and damage-free exchanges each time and offers optional battery guides to prevent smaller pallet truck batteries from tipping over. The BTE battery handling equipment uses a UHMW slide bed with lead entry rollers that secures the load for transfer without the need for additional safety locks, simply pull it into the compartment and travel to your destination.

## BENEFITS

- Powerful 818kg electromagnet extraction for safe, quick and reliable changes, with up to 2265kg battery capacity
  - Batteries on a slide strip bed
- Electric Drive Push Pull System with damage free circuit breaker system
  - Allows for maintenance free operation and reduces damage from misuse
- Operates on the trucks battery pack or industrial battery via a provided parallel jumper cable. Available in 12-24-36-48 volts (Standard voltage is 24 volts)
  - No additional power source required
- Durable Acid Resistant Powder-Coat Paint
  - Resists battery acid and other contaminants



# BATTERY HANDLING EQUIPMENT

## AVAILABLE OPTIONS

### Mounting Options

Part #	Description
BT-Pedestal	Tugger Pedestal Mounting Spacer (Other than standard height of 50.8mm)
BT-QC-PT	Quick Clamp (Pallet Truck)
BT-QC-FT	Quick Clamp (Fork Lift Truck)
BT-QC-PT-D	Quick Clamp (Pallet Truck)
BT-4WAY	4-Way Fork Pockets (for pallet truck side mount)

### Carriage Frame Options

Part #	Description
BT-CL	Custom Length Battery Tugger
BT-HS	High sides, extra height added to the shell
BT-FP-3.5	88.9mm deep Fork Pockets
BT-FP-2	50.8mm Deep Fork Pocket
BT-SM-FT	Side Mount w/ remote pendant & chain (pallet truck mnt)
BT-SCC 2'	152.4mm Safety Chain with Clevis (for truck mount)
BT-FDBR	Battery Tugger Fold Down Bed Raisers
BT-DIA	Aluminum Drop-in Beds
BT-SG	Safety Gate Bolt-On (Bar option)
BT-SC-ARM	Safety Chain - Tugger Arm
BT-SC	Safety Chains (for truck mount)
BT-BG	Battery Guide
BT-BGF	Fold-down Battery Guide
BT-OHG	Over Head Guard Entry System

### Arm Options

Part #	Description
BT-AEX	Tugger Arm Extension (with tugger order)
BTS-AEX	Tugger Arm Ext. Stepped (BTS - With tugger order)

Note: With every inch of arm length added you will lose battery length capacity in the carriage

### Electrical Options

Part #	Description
BT-VSJ	Variable Speed Joystick
BT-VS	Variable Speed Pot
BT-MAG-003	Upgrade to 10-pole magnet
BT-12V	Tugger Voltage 12 V (other than 24)
BT-36V	Tugger Voltage 36 V (other than 24)
BT-48V	Tugger Voltage 48 V (other than 24)
BT-MV2	Multi Voltage BT/BTS (24V & 36V)
BT-MV3	Multi Voltage BT/BTS (24V, 36V & 48V)
BT-MOL	Lamp Indicator (Magnet Light-On)
BT-ESTOP	Emergency Stop Button (Mounted to Controls)
BT-BEEP	Magnet On - Beep
BT-SM-PT	Side Mount w/ remote pendant & chain (pallet truck mnt)
BT-OBPS	On Board Power Supply (BATTERIES NOT INCLUDED)
BT-ASL	Amber Strobe Light
BT-LAS	Laser Alignment System
BT-ECON	Battery Tugger Euro Connectors (2 male 2 female per unit)

[www.enersys.com](http://www.enersys.com)

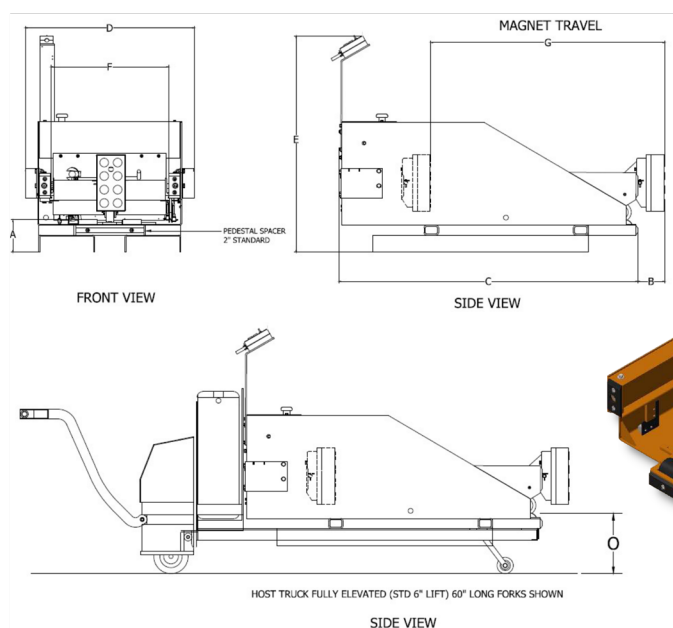
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# BATTERY HANDLING EQUIPMENT

## BASIC DIMENSIONS

		BTE-24	BTE-30	BTE-36	BTE-42	BTE-48
A	Minimum roll-out height (with no pedestal)*	4.625 in/118 mm				
	Minimum roll-out height with standard pedestal*	6.625 in/169 mm				
B	Magnet Reach w/ 152mm Arm (draw bar fully extended)	3.5 in / 89 mm				
	Magnet Reach w/ 203mm Arm (draw bar fully extended) (Option)	5.5 in / 140 mm				
C	Overall Length	STD - 63 in / 1600 mm      CL - 71 in / 1804 mm				
D	Overall Width (in/mm)	34.5/876	40.5/1029	46.5/1181	52.5/1334	58.5/1486
E	Overall Height	44.125 in / 1121 mm				
F	Battery Compartment Width (in/mm)	24/610	30/762	36/914	42/1067	48/1219
G	Magnet Travel (draw bar fully retracted)	STD - 42 in / 1067 mm      CL - 50 in / 1270 mm				
H	Maximum Battery Length w/ 152mm Arm	STD - 43 in / 1093 mm      CL - 51 in / 1296 mm				
	Maximum Battery Length w/ 203mm Arm (Option)	STD - 41 in / 1042 mm      CL - 49 in / 1245 mm				
If a Safety Gate option is fitted, all maximum battery lengths will be reduced by 1.25 in / 32 mm						
I	Maximum Battery Width (in/mm)	23/584	29/737	35/889	41/1041	47/1194
J	Minimum Battery Width	6 in / 152 mm				
K	Minimum Battery Height	13 in / 331 mm				
L	Maximum Battery Height	32 in / 813 mm				
M	Minimum Required Pallet Truck Fork Length	48 in / 1220 mm				
N	Extraction Height, Mounted on Standard Pallet Truck + Standard 120mm Lift	11.378 in / 289 mm				

\* When fitted to a standard pallet truck with 86mm thick forks



# BATTERY HANDLING EQUIPMENT

## SPECIFICATIONS

		BTE-24	BTE-30	BTE-36	BTE-42	BTE-48
1	Maximum Load Capacity with 48" forks	3,000 lb / 1,361 kg				
2	Maximum Load Capacity with 60" forks	5,000 lb / 2,265 kg				
3	Electric Motor H.P.	1HP				
4	Battery Attachment Mechanism	Magnet				
5	System Voltage	12V / 24V / 36V / 48V				
6	Battery Connector	SB 175 Gray				
7	Standard Model Color (optional colors available)	Orange, Blue, Yellow, Red				
8	Push/Pull Drive Chain Size	#50				

## WEIGHTS

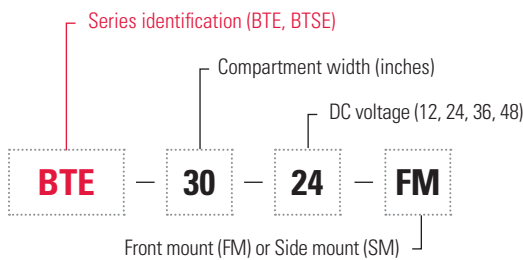
		BTE-24	BTE-30	BTE-36	BTE-42	BTE-48
0	Service Weight Excluding Pallet Truck and Battery	658 lb/298 kg	700 lb/317 kg	730 lb/331 kg	760 lb/344 kg	790 lb/358 kg

## PERFORMANCE

		BTE-24	BTE-30	BTE-36	BTE-42	BTE-48
P	Rated Draw Bar Pull (1/4" Plate)	1,800 lb / 818 kg				
Q	Arm Travel Speed	38 FPM / 11.5 m/min				

## MODEL/PART NUMBER BREAKDOWN

Example: BTE-24-24-FM



## BATTERY HANDLING EXPERTISE

Whatever the size of your battery fleet, PRO Series® battery handling solutions can help you streamline your battery changing operation with a safe, productive and cost-efficient system. From initial design, drawings and engineering through to complete installation and project management, PRO Series® battery handling solutions can support your operation with everything you'll ever need for effective battery charging and changing. Let us plan your success.

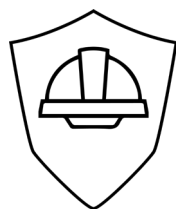
PRO Series® battery handling solutions include a range of systems and equipment that comply with health and safety regulations. Using the latest CAD software, we will design a system that matches the needs of your business. With PROSeries® battery handling solutions, you'll enjoy the highest degree of safety and ease of operation of any equipment available today – all backed by our skilled design and installation capabilities.

## OUR EXCLUSIVE PARTNERSHIP WITH CARNEY BATTERY HANDLING LTD

Since 1984, Carney Battery Handling Ltd has globally provided EnerSys® with turn-key battery room solutions, sharing our mission to innovate, design, and create quality critical battery room solutions as dedicated partners.

Our dependable alliance allows us to provide dedicated support, delivering tailored engineering and design individualized for every customer.

With an emphasis on quality and safety, all our equipment is rigorously tested for real-world environments ensuring its readiness to meet the demands of any application.



**COMMITTED TO QUALITY  
EVERYWHERE FOR EVERYONE.**

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# WHEREVER YOU DO BUSINESS, ENERSYS® CAN SUPPORT YOU WITH MOTIVE POWER ENERGY.

## ABOUT ENERSYS®

EnerSys, the global leader in stored energy solutions for industrial applications, manufactures and distributes energy systems solutions and motive power batteries, specialty batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide.

Energy Systems, which combine enclosures, power conversion, power distribution and energy storage, are used in the telecommunication, broadband and utility industries, uninterruptible power supplies, and numerous applications.

Motive Power batteries and chargers are utilized in electric forklift trucks and other industrial electric powered vehicles requiring stored energy solutions. Specialty batteries are used in aerospace and defense applications, large over-the-road trucks, premium automotive, medical and security systems applications.

EnerSys also provides aftermarket and customer support services to its customers in over 100 countries through its sales and manufacturing locations around the world. With the recent NorthStar acquisition, EnerSys has solidified its position as the market leader for premium Thin Plate Pure Lead batteries which are sold across all three lines of business.

More information regarding EnerSys can be found at [www.enersys.com](http://www.enersys.com).



**EnerSys EMEA**  
EH Europe GmbH  
Baarerstrasse 18  
6300 Zug  
Switzerland

**EnerSys Ltd (UK)**  
Oak Court, M60 Office Park,  
Wynne Avenue,  
Swinton,  
Manchester, M27 8FF

Please refer to the website address for details of your nearest EnerSys office: [www.enersys.com](http://www.enersys.com)

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