

NIVEK INDUSTRIES

PRODUCT CATALOGUE



The initial concept of TED was born when Kevin Cant, the founder of Nivek Industries, narrowly escaped serious injury in 2008 when the belly plate he was removing from a bulldozer slipped and fell. Kevin spent 3 years in the research, concept and design releasing the first TED prototype in 2011.

The design has undergone several upgrades and enhancements since its initial release and now boasts a whole range of attachments enabling it to make a fitter's maintenance job safer and physically less strenuous.

Designed by a fitter, for fitters TED is becoming widely respected as a necessary workshop and pit tool by both fitters and management at a rapidly growing rate in Australia and overseas.

Since 2011, Nivek has grown its range with the release of the Lift Assist-40 (LA40) in 2019, Big TED in 2023, Lift Assist 80 (LA80), BOB range and REX in 2024. With all of these products, Nivek Industries is a one stop shop for all your fitting, maintenance and hauling needs so you can finish each job safely every time.

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Tracked Elevating Device

Designed by a fitter for fitters, TED is the only remote controlled, all terrain, hydraulic jack on the market. Originally designed to removal belly guards safely, the TED is now a jack of all trades with over 40 maintenance enhancing attachments to perform a wide variety of tasks. Effortless, remote controlled operation keeps fitters out of the danger zone during critical lift and lowering stages of suspended load component removal and install. In addition to protecting against serious suspended load injuries, TED helps reduce workplace injuries such as chronic back problems and strain related injuries.

Page 6

Big TED

Big TED is a remote controlled, all terrain, scissor jack designed to support and lift loads of up to 3,000kgs ((6,610lbs). Big TED incorporates several user friendly features including a powered turntable, 80mm side shift, digital load display, AUX power for attachments and enhanced fault finding functionality. Effortless, remote controlled operation keeps fitters out of the danger zone, whilst still providing accurate movement, during critical lift and lowering stages and during suspended load component removal and install.

Page 42

Lift Assist 40

With six points of articulation and smart spring technology, the LA40 achieves a full range of horizontal and vertical movement. Apart from the obvious benefits to hand safety by reducing finger exposure to pinch points, the LA40 offers positive improvements to operator overall wellbeing through reduced manual handling and performance efficiency gains. The LA40 is compatible with the major pneumatic and hydraulic wrenches and drivers currently in the market.

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Lift Assist 80

The LA80 is designed to lift heavy components into place and hold them while being installed or removed. The LA80 is powered by two linear actuators resulting in smooth controllable movement with no bounce. With multiple points of articulation and modifiable setup, the LA80 allows for stable and precise alignment of components. By removing the requirement for maintenance personnel to have to lift and hold these heavy components in awkward positions, the LA80 enhances operator overall wellbeing through reduced manual handling.

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TED



Big TED



LA40



LA80

BOB 0.5T

The BOB 0.5T is a remote controlled, all terrain carrier designed to handle loads of up to 500kgs (1,100lbs). The dual 48V lithium batteries provide 4.6kWh of energy to the 3.5kW electric motor power unit, in turn driving the two independent hydraulic drive motors.

Built with rubber tracks, the BOB 0.5T will happily carry your load over any terrain to your required destination. By using the AUX power outlet, the BOB 0.5T can be fitted with custom made smart attachments to suit any customer requirements.

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BOB 1.5T

BOB 1.5T utilises the chassis, the reliable operating system and power train of the 0.5T BOB and replaces the rubber tracks with cast steel tracks to increase the load carrying capacity to 1,500kg (3,300lbs).

BOB 1.5T also maintains the innovative auxiliary system and smart attachment functionality, making it mobile powerhouse capable of undertaking any task.

Page 70

BOB 5T

BOB 5T is a remote controlled, all terrain carrier designed to handle loads of up to 5,000kgs (11,000lbs). Incorporating dual electric drive motors with a 14kWh battery supply, BOB 5T will carry your load over any terrain to your required destination.

BOB 5T can be fitted with custom made smart attachments to suit any customer heavy load carrying requirements. Smart attachments are controlled via the wireless remote control, allowing the operator to stand clear when in operation.

Page 74

REX

REX is a tough, compact, remote-controlled mini excavator. Incorporating a quick release hitch plate, operators can quickly and easily change from a bucket loader, to a trencher or to a hole digger to name a few. REX's hot-swappable battery system enables for a quick battery change resulting in continuous operation with minimal downtime. With a narrow body and low profile, REX can operate in confined spaces, under conveyor belts, in culverts or backyards with limited access.

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BOB 0.5T



BOB 1.5T



BOB 5T



REX

Tracked Elevating Device



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Tracked Elevating Device

Part No: TED-ASY-000-00

The Tracked Elevating Device, affectionately known as TED, was built primarily as a bulldozer belly plate jack. TED was designed to be low profile, self-propelled, remote controlled and all terrain.

The ability to lift heavy components, up to 800kg (1,760lbs), from underneath removes the suspended load hazard of many maintenance operations. The component can be pre-loaded onto TED, driven into position under the machine and then safely lifted into place and mounted, all via a remote control.

The remote-controlled operation allows maintenance personnel to distance themselves from load hazards during maintenance operations, particularly in the critical lowering phase of belly plate removal.

Having a TED on your worksite doesn't just safeguard your workers from potentially fatal suspended load crush injuries, it can also have a positive impact on fatigue prevention, reduce muscle strain injuries, and drastically improve efficiency across numerous repair and maintenance applications.

TED has a wide variety of attachments enhancing its capability to assist fitters working on haul trucks, bulldozers, grader cutting edges and more. For a full range of attachments and applications see the information enclosed below or for a custom attachment speak to the team at Nivek Industries.





RADIO CONTROLLED

TED is wirelessly controlled by a paired radio system operating within the 433-434MHz range on 1 of 32 different channels.



LOW PROFILE

With a compressed height of 315mm (12.5inch), TED will fit under most heavy bulldozers and then be driven out with the removed component on top.



ALL TERRAIN

TED's tracks allow travel over virtually any surface allowing deployment in the field saving a fortune on machinery transport and down time.



LIFTING CAPACITY

TED has been built with an impressive 800kg (1,760lbs) safe working load lifting capacity.



SELF PROPELLED

A 12V battery system powers TED's hydraulic drive motors and scissor cylinders via a 2kW DC motor/pump.

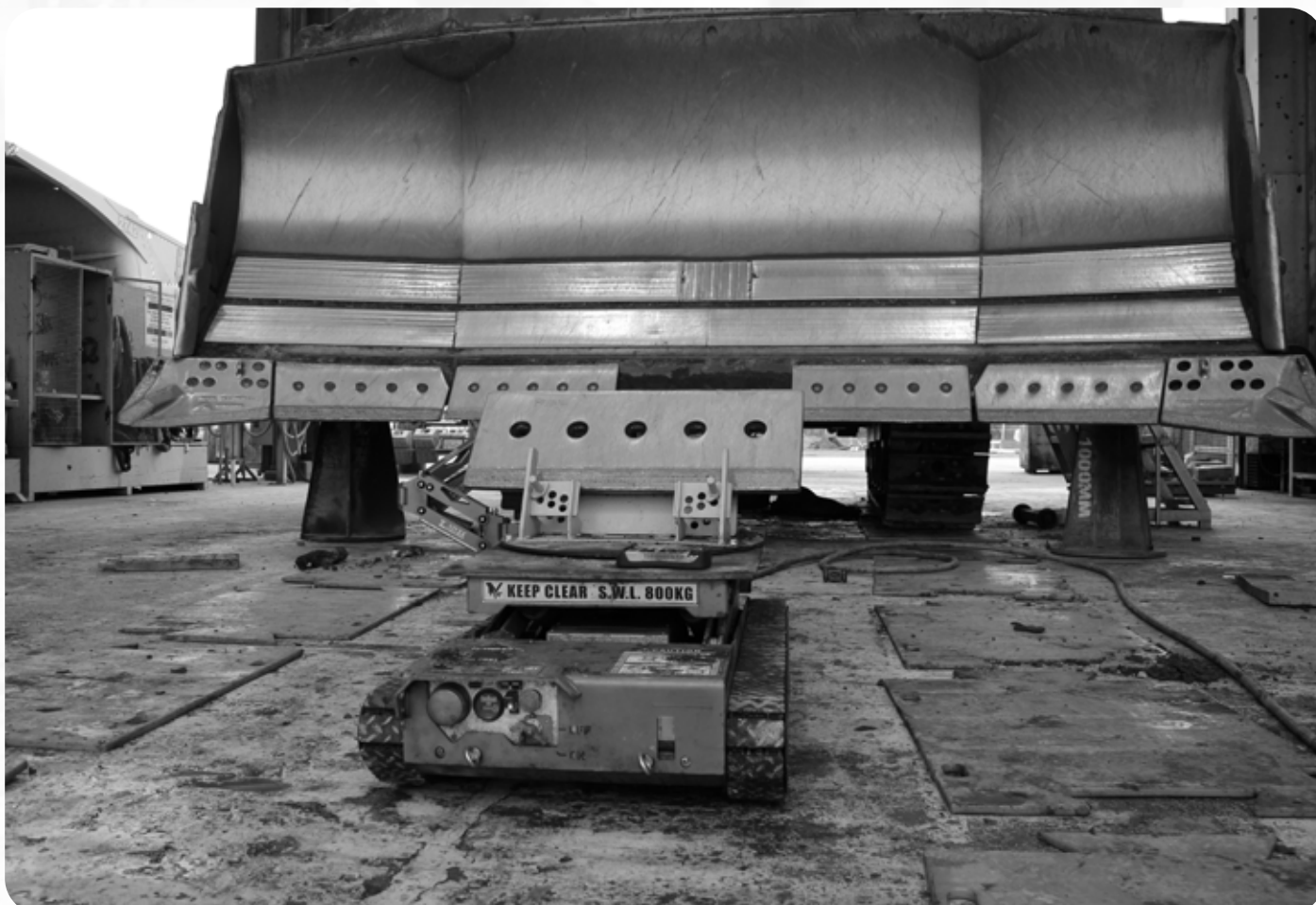


ADAPTABLE

TED has an extensive range of versatile attachments allowing operators to perform a variety of tasks safely and efficiently.

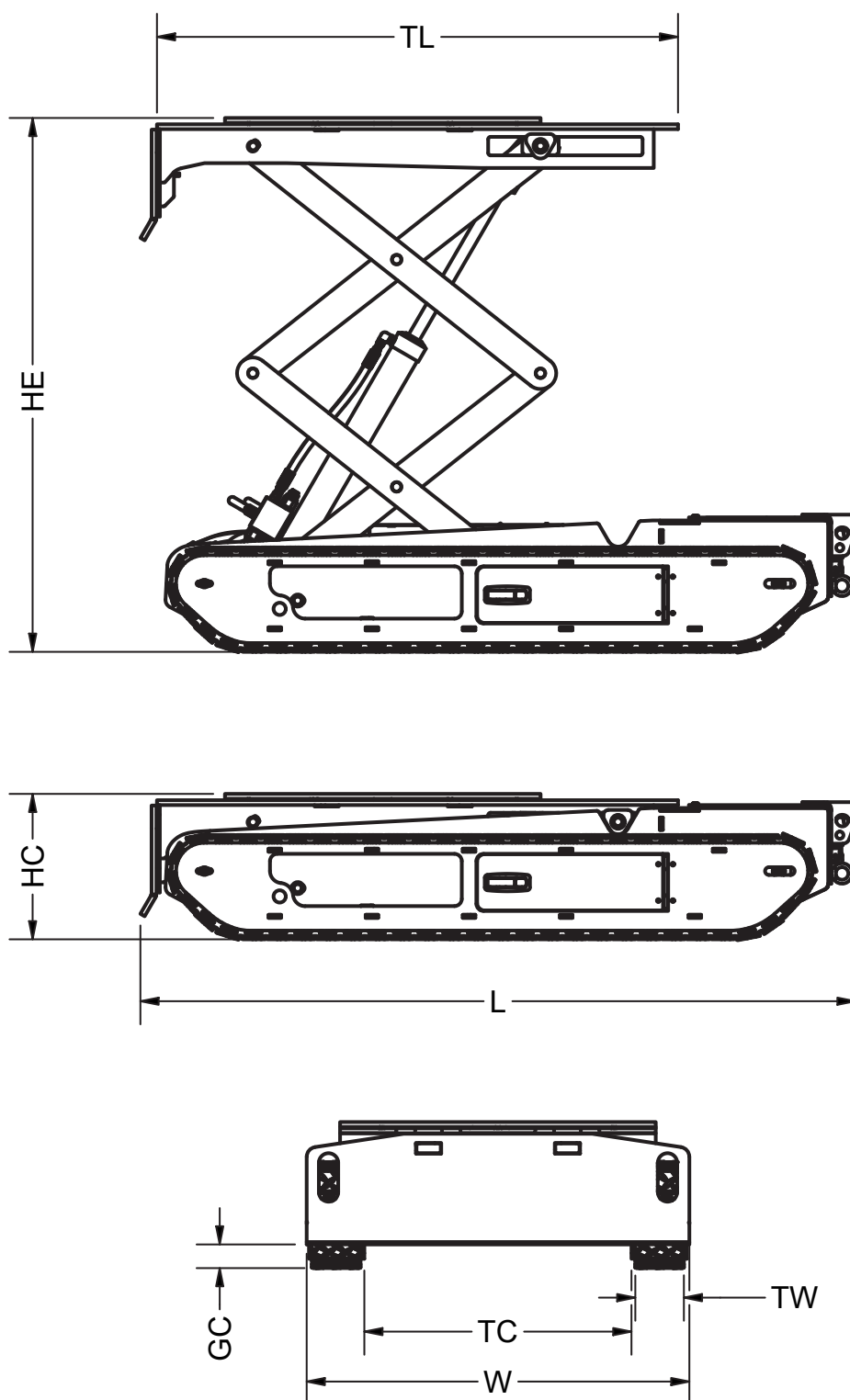
SPECIFICATIONS

Tare Weight (kg/lbs)	580 / 1,280
Safe Working Load (kg/lbs)	800 / 1,760
Ground Speed	Slow 0.7km/hr / 0.4MPH Fast 1.1km/hr / 1MPH
Drive Motors	Two HR-125 Hydraulic Motors 13.1 HP (continuous) SAE A Flange Mount, 1" Straight Woodruff key
Power Unit	Hydro-Tek Hydraulic Power Unit 12VDC, 2kW Motor 1.6cc Pump with 4L Tank
Battery System	12VDC 224AH Battery system Two 6VDC 224AH Deep-Cycle AGM batteries in series
Radio System	Magnatek MHR Radio Controller & Flexpro8 Transmitter (Paired system) 433-434Mhz operating frequency



DIMENSIONS (MM/INCH)

Length (L)	1,374 / 54.1	Table Length (TL)	1,073 / 42.25
Width (W)	778 / 30.6	Ground Clearance (GC)	65 / 2.55
Height Compressed (HC)	315 / 12.4	Track Clearance (TC)	550 / 21.65
Height Extended (HE)	1,172 / 46.15	Track Width (TW)	100 / 3.95



Extras / Upgrades

TED

Tracks

Part No: TED-DRV-001-00
Standard



Checker

The standard tracks for TED. As the name suggests, the cleat is made from checker plate.

Part No: TED-DRV-001-00(N)
Upgrade



Neoprene

For those floors that require a less harsh track, the cleats have been coated with neoprene to provide some cushioning.

Part No: TED-DRV-001-00(G)
Upgrade

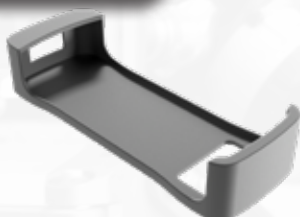


Grouser

If extra grip is required, the grouser track is perfect for providing additional pull in soft terrain or grip on icy surfaces.

Transmitter Parts

Part No: TED-ELE-019-04
Standard



Flexpro-8 Black Protector Cover

The Black Protector Cover comes standard with the Flexpro-8 Transmitter and will help protect the transmitter from small falls and general wear and tear.

Part No: TED-ELE-019-02
Accessory

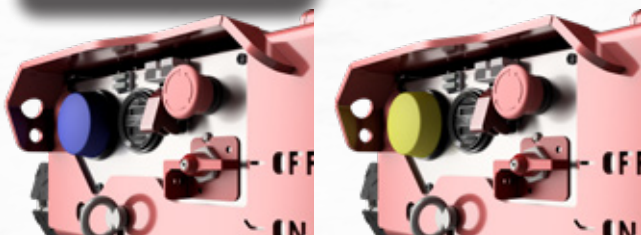


Extended Deadman Switch

The Extended Deadman Switch allows operators wearing gloves greater control of the switch when driving the machine.

Other

Part No: TED-ELE-007-XX
Option



Strobes

The strobe flashes when TED is powered on. A Blue ⁽⁰⁰⁷⁻⁰¹⁾ or Amber ⁽⁰⁰⁷⁻⁰²⁾ strobe can be fitted.

Part No: TED Sticker Kit (XX)
Option



Sticker Kits

Nivek offer customers the Sticker Kits in several languages including English Metric, English Imperial, Spanish and Chinese.

Batteries and Chargers



TED comes standard with two 6VDC Deep-Cycle AGM batteries wired up in series to produce a 12VDC battery system. For additional run time and battery life, TED can be upgraded to the 12VDC Lithium batteries wired up in parallel.

There is also a wide variety of chargers available to suit individual needs.

BATTERY SYSTEM						
Part Number	Type	Voltage	Qty	Layout	System (kwh)	Runtime (~hrs)
DC224-6	AGM	6	2	Series	2.6	1-2
512-LBAT-12-100	Lithium	12	2	Parallel	2.4	2-3
CHARGER						
Part Number	Type	Voltage (Input)	Voltage (Output)	Amps	IP67 Rating	Recharge time (~hrs)
SEC-1230UL	AGM	120	12	30		8
BCS-A1220	AGM	240	12	20		10
BCS-WSC-1250	AGM	240	12	50		4.5
IPC-1225-A-NIV	AGM	240	12	25	Y	9
IPC-1225-L-NIV	Lithium	240	12	25	Y	9
BCS-AL 1220	Lithium	240	12	20		10

Haul Truck Maintenance

Steer Cylinder Cradle

Part No: TED-ATT-005-01-X



The Steer Cylinder Cradle is designed to support steer cylinders and other cylindrical components during removal and installation.

The Steer Cylinder Cradle can be mounted onto any of the adaptor modules for greater alignment of components.

There are currently three different sizes, small (TED-ATT-005-01-S) with a total height of 145mm, medium (TED-ATT-005-01-M) at 175mm and large (TED-ATT-005-01-L) at 200mm.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	16kg / 36lbs
Dimensions (LxWxH)	570 x 340 x 200mm 22.4 x 13.4 x 7.9inch

APPLICATIONS

- Tie Rods
- Steer Cylinders



Sump Tray

Part No: TED-ATT-014-00

The Sump Tray is used primarily with either the Low Profile Pivot Table or Slope Jig to alter the table angle and can be used as either a flat tray or with a 45mm (1.8inch) edge around the frame.



APPLICATIONS

- Sumps
- Bulky Items

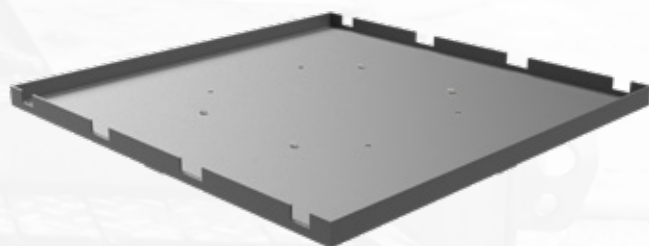
SPECIFICATIONS

Safe Working Load	200kg / 440lbs
Attachment Type	Turntable
Tare Weight	43kg / 95lbs
Dimensions (LxWxH)	122 x 62 x 50mm 4.8 x 2.4 x 2inch

Sound Suppression Tray

Part No: TED-ATT-028-00

The Sound Suppression Tray has been specifically designed to assist in the removal and installation of sound suppression panels.



APPLICATIONS

- Sound Suppression Plates
- Bulky Items

SPECIFICATIONS

Safe Working Load	200kg / 440lbs
Attachment Type	Turntable
Tare Weight	51kg / 113lbs
Dimensions (LxWxH)	1,100 x 1,100 x 500mm 43.3 x 43.3 x 19.7inch

Strut Spindle Cap Tool (SSCT)

Part No: TED-ATT-025-00



Strut Spindle Caps of various sizes can be safely removed and replaced using the SSCT. The three (3) threaded bolts offer width and angle adjustment to accommodate varying strut spindle caps.

The SSCT is designed to take the weight of the strut spindle cap and removal tool only. The strut itself must be supported as per manufacturers specifications.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	25kg / 56lbs
Dimensions (LxWxH)	550 x 550 x 600mm 21.7 x 21.7 x 23.6inch

APPLICATIONS

- Strut Spindle Caps
- Shim Adjustment

Brake/Steer Pump Tool

Part No: TED-ATT-044-00



The Brake/Steer Pump Tool can be manually pivoted +/- 5 degrees to allow for spline alignment and incorporates an interchangeable pump mounting weldment allowing operators to use the tool for various pumps.

SPECIFICATIONS

Safe Working Load	200kg / 440lbs
Attachment Type	Turntable
Tare Weight	53kg / 117lbs
Dimensions (LxWxH)	585 x 500 x 491mm 23.1 x 19.7 x 19.4inch

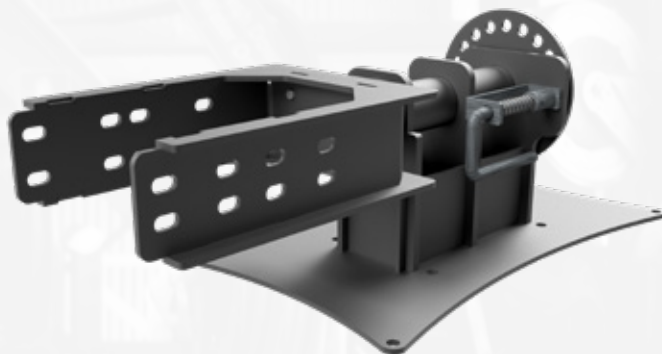
APPLICATIONS

- Komatsu 830E and 930E

Transmission Pump Tool

Part No: TED-ATT-036-00

The Transmission Pump Tool can be rotated manually and incorporates an interchangeable mounting weldment allowing operators to use the tool for various pumps.



APPLICATIONS

- 793 Transmission Pumps

SPECIFICATIONS

Safe Working Load	200kg / 440lbs
Attachment Type	Turntable
Tare Weight	26kg / 58lbs
Dimensions (LxWxH)	770 x 340 x 276mm 30.4 x 13.4 x 10.9inch

A Frame Pin Tool

Part No: TED-ATT-045-00

The A Frame Pin Tool carries the pin and mounting blocks used to secure the A Frame to the chassis.

When the A Frame Pin Tool is mounted on the turn table and combined with the Low Profile Pivot Table (Page 18), operators can line up the pin and mounting blocks for installation or removal while eliminating the risk created with unsecured and suspended loads.

With an interchangeable pin crown, we can supply you with the right tool for the job.



APPLICATIONS

- A frame pin replacement on CAT 777, 783 and 793.

SPECIFICATIONS

Safe Working Load	200kg / 440lbs
Attachment Type	Turntable
Tare Weight	68kg / 150lbs
Dimensions (LxWxH)	400 x 1230 x 508mm 15.7 x 48.4 x 20inch

Steering Arm Tool

Part No: TED-ATT-043-XXX



The Steering Arm Tool has been specifically designed to assist in the removal and installation of various Komatsu and CAT Steering Arms. Due to the weight of the attachment, it has been designed to be forkliftable even when loaded.

Being of a modular design, the base can be fitted with various crowns suitable for Komatsu 830E, 930E & 960E and CAT 793F trucks.

Nivek Industries is capable of designing additional steering arm crowns should you require a different model.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	See table for weights
Dimensions (LxWxH)	See table for dimensions

APPLICATIONS

Komatsu 830E, 930E, 960E and CAT 793F Steering Arms.

BASE AND CROWNS

Picture	Specifications	
	Name	Steering Arm Base
	Part No	TED-ATT-043-000-00
	Tare Weight	100kg / 220lbs
	Dimensions (LxWxH)	1,085 x 650 x 183mm 43 x 26 x 7inch
	Name	Komatsu 830E
	Part No	TED-ATT-043-007-00
	Tare Weight	17kg / 38lbs
	Dimensions (LxWxH)	400 x 400 x 216mm 16 x 16 x 8.5inch
	Name	Komatsu 930E
	Part No	TED-ATT-043-004-00
	Tare Weight	25kg / 56lbs
	Dimensions (LxWxH)	400 x 400 x 353mm 16 x 16 x 14inch
	Name	Komatsu 960E
	Part No	TED-ATT-043-006-00
	Tare Weight	24kg / 53lbs
	Dimensions (LxWxH)	400 x 400 x 291mm 16 x 16 x 14inch
	Name	CAT 793F
	Part No	TED-ATT-043-008-00
	Tare Weight	65kg / 144lbs
	Dimensions (LxWxH)	470 x 1098 x 693mm 19 x 44 x 27.5inch

Bulldozer Maintenance

TED

Belly Plate Stand (Legs)

Part No: TED-ACC-001



This set of four sturdy stands will support the load of a belly plate up to 800kgs (1,760lbs), freeing TED up to continue with other jobs. Once the legs are securely attached to the removed belly plate, lower TED down and leave the belly plate to be supported by the Belly Plate Stand.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Accessory
Tare Weight	24kg / 53lbs
Dimensions (LxWxH) (Each Leg)	914 x 150 x 100mm 31.9 x 5.2 x 3.5inch

APPLICATIONS

Used to support removed belly plates.



Track Roller Carrier

Part No: TED-ATT-010-00

The Track Roller Carrier's intended purpose is to aid in the removal and replacement of track rollers, lowering the manual handling component and removing the need for placing hands in harm's way.

When used by itself the Track Roller Carrier has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).



APPLICATIONS

- CAT D-9, D-10 & D-11 Dozers
- Komatsu tracked loaders and dozers
- Small civil excavators, diggers and loaders

SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	15kg / 34lbs
Dimensions (LxWxH)	670 x 410 x 135mm 26.4 x 16.1 x 5.3inch

Front Belly Plate Cradle

Part No: TED-ATT-023-00

The Front Belly Plate Cradle is designed to support the Front Belly Plate of D-11 dozers at the right angle for safe removal and transportation.

The raised platform provides additional stability for the belly plate by holding it horizontal and allows it to be rotated on the turntable which allows it to be maneuvered between the ripper tyne and the tracks.



APPLICATIONS

Safely remove and replace front belly plates on D-11 Dozers.

SPECIFICATIONS

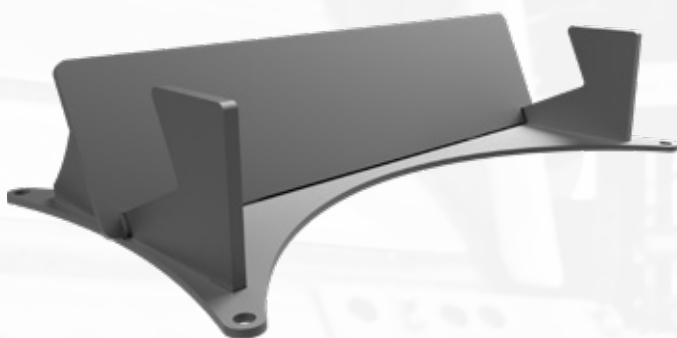
Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	13kg / 29lbs
Dimensions (LxWxH)	745 x 335 x 90mm 29.3 x 13.2 x 3.5inch

Cutting Edge Maintenance

TED

Cutting Edge Tool

Part No: TED-ATT-006-01



The Cutting Edge Tool is used to lower manual handling on CET maintenance. Rest the CET due for removal in the Cutting Edge Tool and lift or lower into place via TED's remote control operation.

The Cutting Edge Tool can be mounted onto any of the adaptor modules for greater alignment of components.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	10kg / 23lbs
Dimensions (LxWxH)	570 x 340 x 200mm 22.4 x 13.4 x 7.9inch

APPLICATIONS

- CAT Dozers up to D-11
- Komatsu Dozers
- Rubber tyred Dozers

Double Sided Cutting Edge Tool

Part No: TED-ATT-020-00



The Double Sided Cutting Edge Tool is designed to aid in routine CET maintenance, the Double Sided Cutting Edge Tool allows operators to remove, clean, turn and re-install the CET.

The Double Sided Cutting Edge Tool can be mounted onto any of the Adaptor Modules for greater alignment of components.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	21kg / 47lbs
Dimensions (LxWxH)	570 x 450 x 160mm 22.4 x 17.7 x 6.3inch

APPLICATIONS

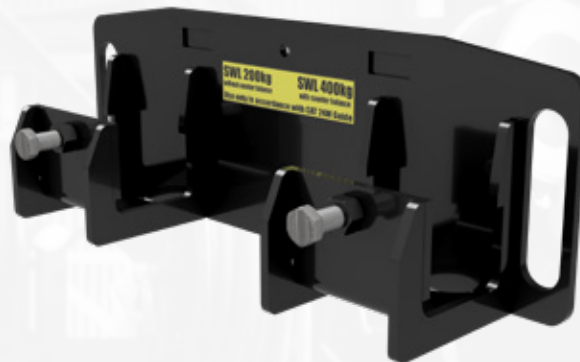
Maintain and rotate cutting edges up to 800kg (1,760lbs).

Grader Cutting Edge Tool

Part No: TED-ATT-021-00

The Grader Cutting Edge Tool can be utilised to take the weight of the CET from a variety of graders. The attachment is fitted with two (2) adjustment bolts which can be tightened to assist in stabilising the CET during transit and installation.

When used by itself the Grader Cutting Edge has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).



APPLICATIONS

- CAT Graders all sizes up to 24M
- Komatsu Graders
- John Deere Graders

SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	21kg / 47lbs
Dimensions (LxWxH)	650 x 150 x 240mm 25.6 x 5.9 x 9.4inch

Corner Cutting Edge Tool (CCET)

Part No: TED-ATT-024-00

The CCET is fully adjustable making it perfect for corner CET. Operators can adjust the support pins in any combination of holes to achieve an angle of up to +/- 10 degrees. The CCET also has two retaining bolts which can be used to support different CET thicknesses.

The CCET works best when combined with the Low Profile Pivot Table allowing it to be aligned with the angle of the CET being removed/installed.



APPLICATIONS

- CAT Dozers up to D-11
- Komatsu Dozers
- Rubber tyred Dozers

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	21kg / 47lbs
Dimensions (LxWxH)	560 x 335 x 210mm 22 x 13.2 x 8.3inch

Adaptor Modules

TED has a range of adaptor modules that can be used with various attachments to enhance their functionality and performance. Below is a table of compatible configurations.

For detailed specifications for each adapter module, please refer to its corresponding section.

ADAPTER MODULE CONFIGURATIONS

Attachment	Type		Adapter Modules						
	Table	Front	Low Profile Pivot Table	Slope Jig	Forward Shift	Side Shift	Extension Block	Elevated Table	Counter Balance
O - Optional R - Recommended E - Essential									
Steer Cylinder Cradle	Y		O	O	O	O	O	O	
Sump Tray	Y		R	R					
Sound Suppression Tray	Y		O	O					
Strut Spindle Cap Tool	Y							O	
Brake/Steer Pump Tool	Y						O	R	
Transmission Pump Tool	Y			O	O	O		O	
A Frame Pin Tool	Y		E						
Steering Arm Tool	Y								
Track Roller Carrier		Y							R
Front Belly Plate Cradle	Y								
Cutting Edge Tool	Y		O		O	O	O		
Double Sided Cutting Edge Tool	Y		O		O	O	O		
Grader Cutting Edge Tool		Y							R
Corner Cutting Edge Tool	Y		E		O	O	O		
Universal Mounting Plate	Y		O	O	O	O	O	O	
Tyre Handler		Y							R
Stand Locating Tool		Y							R
Front Jib		Y							E
Boomerang Stand		Y							R
Fork Tynes		Y							E

Low Profile Pivot Table (LPPT)

Part No: TED-ATT-030-00



The LPPT is perfect for supporting components on an angle and works in conjunction with other turntable mounting attachments such as the Sump Tray and Cutting Edge Attachments.

The LPPT is capable of fine adjustment +/- 15 degrees and provides fitters with superior flexibility and control.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	22kg / 49lbs
Dimensions (LxWxH)	565 x 335 x 115/160mm 22.3 x 13.2 x 4.6/6.3inch

APPLICATIONS

Best used in conjunction with:

- Corner Cutting Edge Tool
- Sump Tray
- Sound Suppression Tray

Slope Jig

Part No: TED-ATT-041-00



The Slope Jig was designed to be used primarily with the Universal Mounting Plate to allow operators to undertake tasks where the intended job is at an angle. Component specific attachments can also be bolted directly onto the Slope Jig.

The Slope Jig can support loads of up to 800kg (1,760lbs) and can be manually adjusted to achieve angles from 0 to 45 degrees.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	28kg / 62lbs
Dimensions (LxWxH)	600 x 335 x 95/450mm 23.6 x 13.2 x 3.8/17.7inch

APPLICATIONS

Used in conjunction with the Universal Mounting System for safer, easier removal and replacement of:

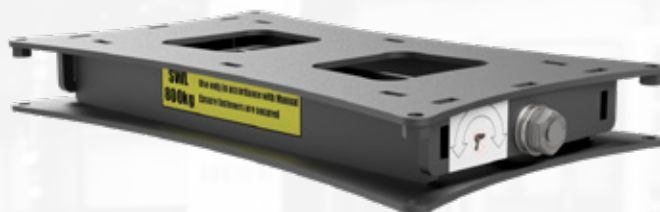
- Y-Links on CAT Trucks
- Steering Arms on CAT Trucks
- LeTourneau Ball Caps

Forward Shift

Part No: TED-ATT-032-00

The Forward Shift module attaches to the turntable and allows operators to mount various other component specific attachments onto it.

The module can be manually adjusted +/- 40mm (1.6inch) forwards or rearwards allowing operators greater control when lining up components during installation.



APPLICATIONS

Best used in conjunction with the Side Shift, Pivot Table and Universal Mounting System to assist with:

- Fitment of hydraulic pumps

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	24kg / 53lbs
Dimensions (LxWxH)	565/650 x 335 x 70mm 22.3/25.6 x 13.2 x 2.8inch

Side Shift

Part No: TED-ATT-035-00

The Side Shift module attaches to the turntable and allows operators to mount various other component specific attachments onto it.

The module can be manually adjusted +/- 50mm (2inch) sideways allowing operators greater control when lining up components during installation.



APPLICATIONS

Best used in conjunction with the Forward Shift, Pivot Table and Universal Mounting System to assist with:

- Fitment of hydraulic pumps

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	25kg / 56lbs
Dimensions (LxWxH)	565 x 335/380 x 70mm 22.3 x 13.2/15 x 2.8inch

Extension Block

Part No: TED-ATT-012-00



The Extension Block mounts directly onto the TED Turntable allowing operators to achieve an additional 300mm (11.8inch) of reach per block and up to a maximum of two blocks or 600mm (23.6inch).

Other turntable attachments can then be mounted on top.

SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	18kg / 40lbs
Dimensions (LxWxH)	565 x 335 x 300mm 22.3 x 13.2 x 11.8inch

APPLICATIONS

Commonly used in conjunction with:

- Steer Cylinder Cradle
- Slope Jig
- Pivot Table
- Sump Tray

Elevated Table

Part No: TED-ATT-033-00



The Elevated Table provides operators with an additional 600mm (23.6inch) of reach whilst not compromising stability.

The Elevated Table has its own built in turntable which other attachments can be bolted onto.

SPECIFICATIONS

Safe Working Load	650kg / 1,430lbs
Attachment Type	Turntable
Tare Weight	144kg / 318lbs
Dimensions (LxWxH)	1080 x 650 x 630mm 42.6 x 25.6 x 24.9inch

APPLICATIONS

To be used with Hoist Pump and Steering Pump. Other attachments can be mounted on the top.

Counter Balance

Part No: TED-ATT-018-00

The Counter Balance is designed to be mounted onto the back of the table therefore increasing the lifting capacity of the front attachments. The Counter Balance comes with removable legs allowing for quick mounting and removal.



APPLICATIONS

Commonly used in conjunction with:

- Adjustable Fork Tynes
- Grader Cutting Edge
- Track Roller Carrier
- Tyre Handler

SPECIFICATIONS

Safe Working Load	N/A
Attachment Type	Table
Tare Weight	235kg / 518lbs
Dimensions (LxWxH)	845 x 400 x 245mm 33.3 x 15.8 x 9.7inch





General Purpose Tools

TED

Dozer Blade

Part No: TED-ATT-002-01



The Dozer Blade comes standard with every TED and is primarily used to clear a level working area allowing for a stabler and therefore safer operation.

When the blade is fitted in the bottom mounting port it will just touch the ground when TED is fully compressed, perfect for pushing debris off concrete floors.

SPECIFICATIONS

Safe Working Load	N/A
Attachment Type	Front
Tare Weight	15kg / 34lbs
Dimensions (LxWxH)	787 x 85 x 225mm 31 x 3.4 x 8.9inch

APPLICATIONS

- Clear a level working area
- Clearing debris
- Generally pushing stuff around

Tyre Handler

TED-ATT-016-00



The Tyre Handler is designed to support tyres during removal and installation on a range of vehicles. The top arm lengths can be adjusted to hold the tyre securely in place. Each arm is fitted with a roller, enabling the tyre to be rotated for ease of lining up bolt holes.

When used by itself the Tyre Handler has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).

SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	40kg / 89lbs
Dimensions (LxWxH)	1450 x 505 x 555mm 57.1 x 19.9 x 21.9inch

APPLICATIONS

Use to assist with installation and removal of tyres on:

- Water Carts & Service Trucks (size dependent)
- Road Trucks
- Utes and Passenger vehicles

Stand Locating Tool

Part No: TED-ATT-003-01

The Stand Locating Tool has been designed to move stands around under machinery removing the manual handling element, and removing the need for fitters to be under suspended loads whilst placing stands.

When used by itself the Stand Locating Tool has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).



APPLICATIONS

Safely position various types of stands under suspended loads.

SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	8kg / 18lbs
Dimensions (LxWxH)	350 x 390 x 155mm 13.8 x 15.4 x 6.2inch



Front Jib

Part No: TED-ATT-031-00



Move heavy awkward loads from above with the handy multi-purpose Jib. The Jib has three (3) extension settings which can be adjusted by simply removing the adjustment bolt, sliding the extension arm to the desired position and refasten the bolt through the appropriate hole.

When used by itself the Front Jib has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).

SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	20kg / 44lbs
Dimensions (LxWxH)	580-780 x 500 x 250mm 22.9-30.1 x 19.7 x 9.9inch

APPLICATIONS

Lift a wide variety of awkward loads:

- Irregular shaped items
- Mechanical Components

Boomerang Stand

Part No: TED-ATT-034-00



Designed to assist in moving Boomerang Stands into position. The attachment has been designed to carry the Boomerang Stand in three different positions to allow operators to place the stands up against a wall or obstacle.

When used by itself the Boomerang Stand has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).

SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	46kg / 102lbs
Dimensions (LxWxH)	760 x 500 x 250mm 30 x 19.7 x 9.9inch

APPLICATIONS

Removal and replacement of Boomerang Stands without manual handling.

Fork Tynes

Part No: TED-ATT-022-00

The Adjustable Fork Tynes have been designed to assist in the movement of a variety of stands, tooling and mechanical components in tight low spaces without the need for manual handling. The tynes width can be manually adjusted quickly up to a separation of 445mm (17.6inch).

When used by itself the Adjustable Fork has a SWL of 200kg (440lbs), however if used with the TED Counter Balance (Page 28) the SWL can be increased to 400kg (880lbs).



APPLICATIONS

Move around without manual handling:

- Stands
- Irregular shaped tooling
- Pallets
- Mechanical Components

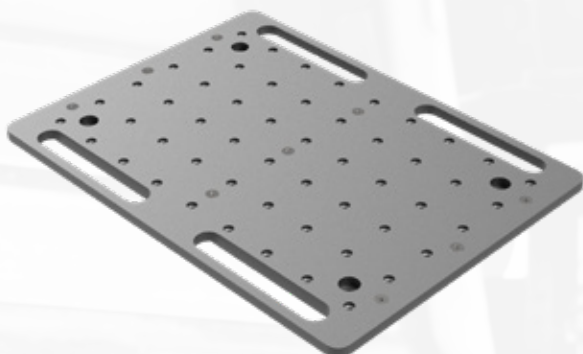
SPECIFICATIONS

Safe Working Load	400kg / 880lbs
Attachment Type	Front
Tare Weight	47kg / 104lbs
Dimensions (LxWxH)	845 x 800 x 360mm 33.3 x 31.5 x 14.2inch



Universal Mounting Plate

Part No: TED-ATT-038-00



The Universal Mounting Plate was designed to allow operators to arrange different types of support frames in a multitude of configurations depending on the task they wish to perform.

The Universal Mounting Plate has a series of M12 screw points laid out in a 6x9 grid at 75mm (3inch) spacing, allowing operators to fix the brackets on either orientation.

The Universal Mounting Plate can be mounted onto any of the adapter modules.

SPECIFICATIONS

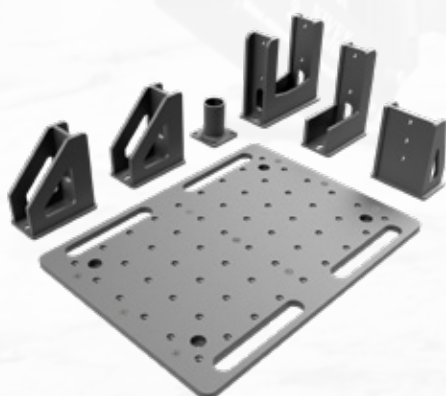
Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	37kg / 82lbs
Dimensions (LxWxH)	700 x 520 x 22mm 27.6 x 20.5 x 1inch

APPLICATIONS

Can be setup to support a wide variety of oddly shaped components. See descriptions in the support frames table for ideas on how to utilise the Universal Mounting System.

Universal Mounting System

Part No: TED-ATT-039-00



The support frames can be combined with tie down points (e.g. M12 eyebolt) to effectively support and secure all sorts of different shaped loads.

Included in package:

- 1x Universal Mounting Plate
- 4x V-Frame
- 1x Circle Frame
- 2x U-Frame
- 2x L-Frame
- 3x Stopper Frames

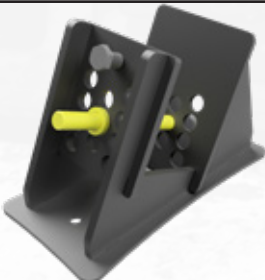
SPECIFICATIONS

Safe Working Load	800kg / 1,760lbs
Attachment Type	Turntable
Tare Weight	See table for weight
Dimensions (LxWxH)	See table for dimensions

APPLICATIONS

Can be setup to support a wide variety of oddly shaped components. See descriptions in the support frames table for ideas on how to utilise the Universal Mounting System.

SUPPORT FRAMES

Picture	Specifications		Description
	Name	U-Frame	The U-Frame can be utilized to capture a component within the 160mm / 6.3inch wide cradle. Suitable for applications where the component is long and relatively skinny with a flat bottom.
	Part No	TED-ATT-039-01	
	Tare Weight	9kg / 20lbs	
	Dimensions (LxWxH)	265 x 105 x 256mm 10.5 x 4.2 x 10.1inch	
	Name	L-Frame	Two L-Frames can be used where the component is more than 160mm in width, or a single L-Frame if the component is an irregular shape.
	Part No	TED-ATT-039-02	
	Tare Weight	6kg / 14lbs	
	Dimensions (LxWxH)	185 x 105 x 256mm 7.3 x 4.2 x 10.1inch	
	Name	Stopper Frame	The Stopper Frames can be arranged as required and will act as a barrier to limit any movement from the component.
	Part No	TED-ATT-039-03	
	Tare Weight	5kg / 12lbs	
	Dimensions (LxWxH)	115 x 160 x 206mm 4.6 x 6.3 x 4.2inch	
	Name	Circle Frame	The Circle Frame has a diameter of 60mm and can be used to hold components with holes or circular edges in place.
	Part No	TED-ATT-039-04	
	Tare Weight	2kg / 5lbs	
	Dimensions (LxWxH)	100 x 100 x 106mm 4 x 4 x 4.2inch	
	Name	V-Frame	Two V-Frames can be used together to support cylindrical items. They can be spaced close together or further apart depending on the diameter of the component.
	Part No	TED-ATT-039-05	
	Tare Weight	6kg / 14lbs	
	Dimensions (LxWxH)	185 x 100 x 206mm 7.3 x 4 x 8.2inch	
	Name	CET Frame	The CET frame can be used to support various styles of cutting edges in place of the standard cutting edge attachments detailed on Page 22.
	Part No	TED-ATT-042-00	
	Tare Weight	10kg / 23lbs	
	Dimensions (LxWxH)	325 x 165 x 210mm 12.8 x 6.5 x 8.3inch	

Storage and Transport

TED

TED's Home

Part No: TED-ACC-003-00



Keep TED and attachments neatly stored away in TED's Home. TED's Home has tie down points and forklift guides to allow users to transport the whole system if required.

The attachment storage system allows easy access and secure fixing points for multiple TED attachments. There is an upper shelf where users can store attachments and a hanging frame for turntable mounted attachments.

SPECIFICATIONS

Safe Working Load	1,100kg / 2,420lbs
Attachment Type	Accessory
Tare Weight	150kg / 330lbs
Dimensions (LxWxH)	1,570 x 950 x 1,215mm 61.9 x 37.5 x 47.9inch

APPLICATIONS

- Storage of TED
- Storage of TED Attachments
- Forkliftable

Attachment Stand

Part No: TED-ACC-005-00



With the ever increasing range of TED attachments, additional storage space is required. The TED Attachment Stand is a sturdy, adjustable shelf designed to store multiple attachments.

The stand is flat pack in design and the three (3) upper shelves can be installed at 150mm (5.9inch) increments. The stand also comes with side mounting brackets, which can be used to store the Universal Table, Track Roller Carrier and the Stand Locating Tool.

SPECIFICATIONS

Safe Working Load	200kg / 440lbs (per shelf)
Attachment Type	Accessory
Tare Weight	260kg / 574lbs
Dimensions (LxWxH)	1,300 x 700 x 1,510mm 51.2 x 27.6 x 59.5inch

APPLICATIONS

- Bulk storage of TED Attachments

TED Sleeping Bag

Part No: TED-ACC-002-00
Small

The TED Sleeping Bag is a durable throw over cover to keep the workshop dust and grime off your TED. The large TED Sleeping Bag is big enough to cover the entire TED home to keep not only TED clean, but all the attachments stored on the home as well.

Made from a durable canvas, the Sleeping Bags not only keep the dust and grime off TED, but they are also water resistant and will protect TED from potential water damage.

Part No: TED-ACC-002-01
Large



APPLICATIONS

- Protect TED from dust and debris when not in use

SPECIFICATIONS

Attachment Type	Accessory
Dimensions (LxWxH) Small	1,900 x 1180 x 400mm 74.8 x 46.5 x 15.8inch
Dimensions (LxWxH) Large	1,900 x 1180 x 1,215mm 74.8 x 46.5 x 47.9inch



Pit Rescue Trailer

TED-ACC-004-00

Nivek's Pit Rescue Trailer is built in-house and is made handle the toughest of haul roads and meet or exceed mine site requirements. Ideal for contractors working on multiple sites. It is the perfect way to transport TED from workshop to pit, or site to site.

With a 1.6T rated axle, Landcruiser 5 stud tyres (spare included) and a frame constructed from 50x50x3mm Square Hollow Section and 3mm mild steel plate for the floor and walls, the Nivek Pit Rescue Trailer is extremely durable. The frame has been powder coated throughout to ensure it is protected from the elements and will remain in good condition for many years.

A spring assisted tail gate can be pulled down to become an access ramp for TED, allowing it to be unloaded and loaded independently. The ramp has built in guide rails and anti-slip coating to assist operators when driving up the ramp.

Attachment storage pockets have been built into the frame allowing operators to store and transport the required attachments to the job site. A heavy-duty cargo net is also provided to ensure the attachments stay in the trailer during transport.





PAYLOAD CAPACITY

With a GVM of 1,600kg, the trailer has a maximum payload capacity of 900kg, allowing it to carry TED and several of its attachments.



RAMP

A spring assisted tailgate becomes a ramp, allowing operators to unload and load TED quickly, safely, and independently.



TOUGH

With a 1.6T axle, Landcruiser 5 stud tyres, 3mm thick steel throughout, the Pit Rescue Trailer has been built to handle the harshest of conditions.



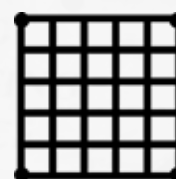
SUPPORT LEGS

Two support legs are installed on the rear to support the trailer when loading/unloading TED.



STORAGE COMPARTMENTS

Eight easily accessible storage pockets are available for operators to store and transport attachments or tools.



CARGO NET

With multiple tie down points the 1 Tonne, heavy duty cargo net is easy to fit and will secure all loads during transport.

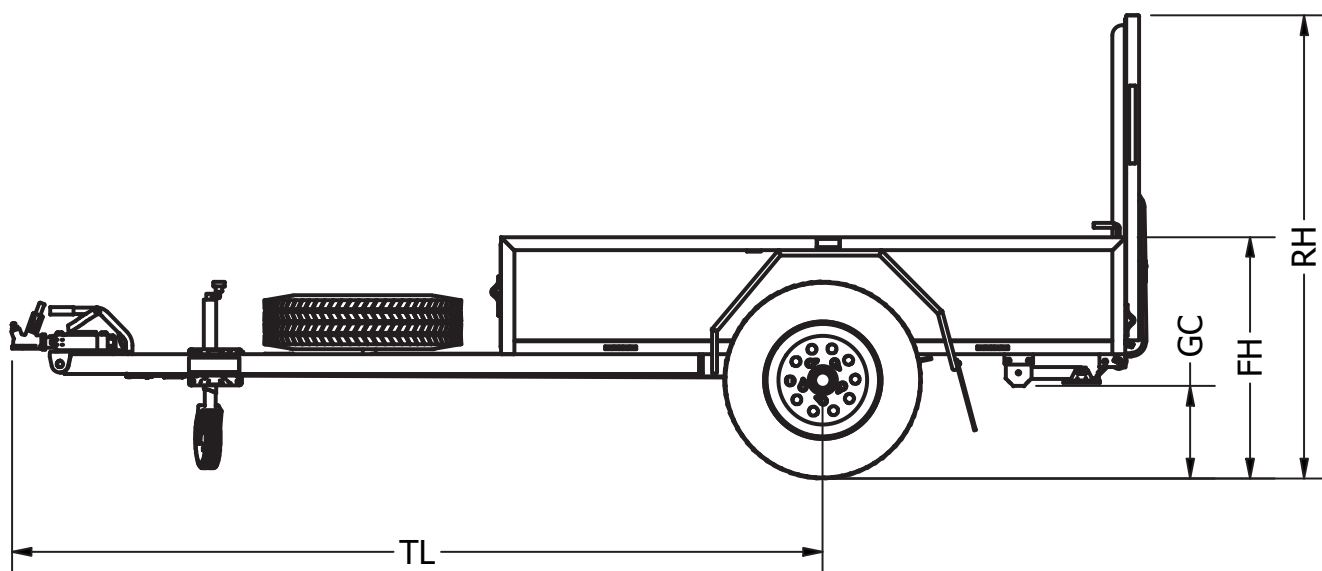
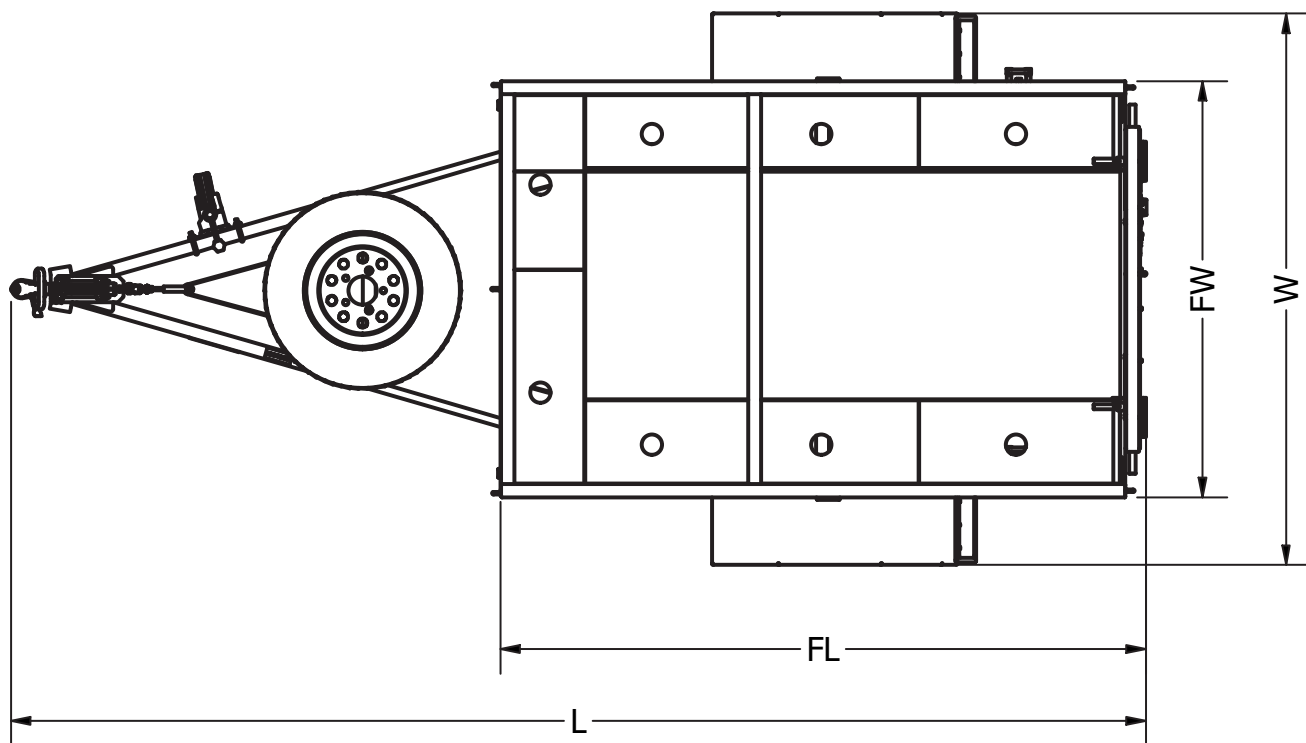
SPECIFICATIONS

Tare weight (kg/lbs)	660 / 1,456
Payload (kg/lbs)	940 / 2,073
GVM (kg/lbs)	1,600 / 3,528
Brake System	Lockable mechanical brake
Wheel	Landcruiser 5 stud rim 227/75 R16 Tyres
Spring	Leaf Spring
Tow Hitch	Trailer Coupling Plated (Ball Hitch) 2,000kg rating
Ramp	Spring assisted tailgate with spring loaded latches
Cargo Net	1,000kg / 2,200lbs rated cargo net



DIMENSIONS (MM/INCH)

Length (L)	4,360 / 171.7	Frame Length (FL)	2,480 / 97.7
Width (W)	2,120 / 83.5	Frame Width (FW)	1,600 / 63
Ramp Height (RH)	1,780 / 70.1	Ground Clearance (GC)	355 / 14
Frame Height (FH)	925 / 36.5	Length to Tyre (LT)	3,120 / 122.9



Big TED



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Big TED

Part No: BTD-ASY-000-00

Big TED is a larger version of the TED and shares many of the same characteristics. Big TED was primarily designed to lift weights that were above the SWL of TED yet still maintain a low profile and manoeuvrability.

Capable of lifting loads of up to 3,000kgs (6,614lbs) to a height of 1,600mm (63inch), Big TED can be utilised to lift heavy loads that were beyond his little brother's capacity. The increase lifting capacity is accomplished via a robust scissor lift mechanism powered via two hydraulic cylinders which provide ample power and reliability.

Operated by a joystick activated wireless remote control, Big TED can achieve even greater precision during its movement. The joystick is fully proportional allowing operators to easily control the speed and direction of Big TED.

The power system comprises of a 24V, 448Ah rechargeable battery system allowing runs times of up to two hours. A 40Amp charger comes standard with every purchase and will have Big TED fully charged overnight.

The drive system is powered by two independent 3.5kW infinite control electric motors providing sufficient torque to carry the heaviest of loads around the workshop and gradients of up to five degrees. Not only are the drive motors powerful, but they are also extremely responsive allowing operators to control Big TED to within a millimetre of travel.

Several user-friendly features including a powered turntable, +/- 40mm side shift, digital load display, and AUX power for attachments providing operators with a fully controllable system.





RADIO CONTROLLED

Big TED is wirelessly controlled by a paired radio system operating at 2.4GHz.



FUNCTIONALITY

Big TED has been built with a powered turntable, table side shift, load cells, tilt sensor, to provide operators greater control and useful feedback.



ALL TERRAIN

Big TED's tracks allow travel over virtually any surface allowing deployment in the field saving a fortune on machinery transport.



LIFTING CAPACITY

Big TED has been designed with an impressive 3,000kg (6,614lbs) safe working load lifting capacity.



POWER SYSTEM

A 24V battery system powers Big TED's two independent 3.5kW infinite control electric motors.

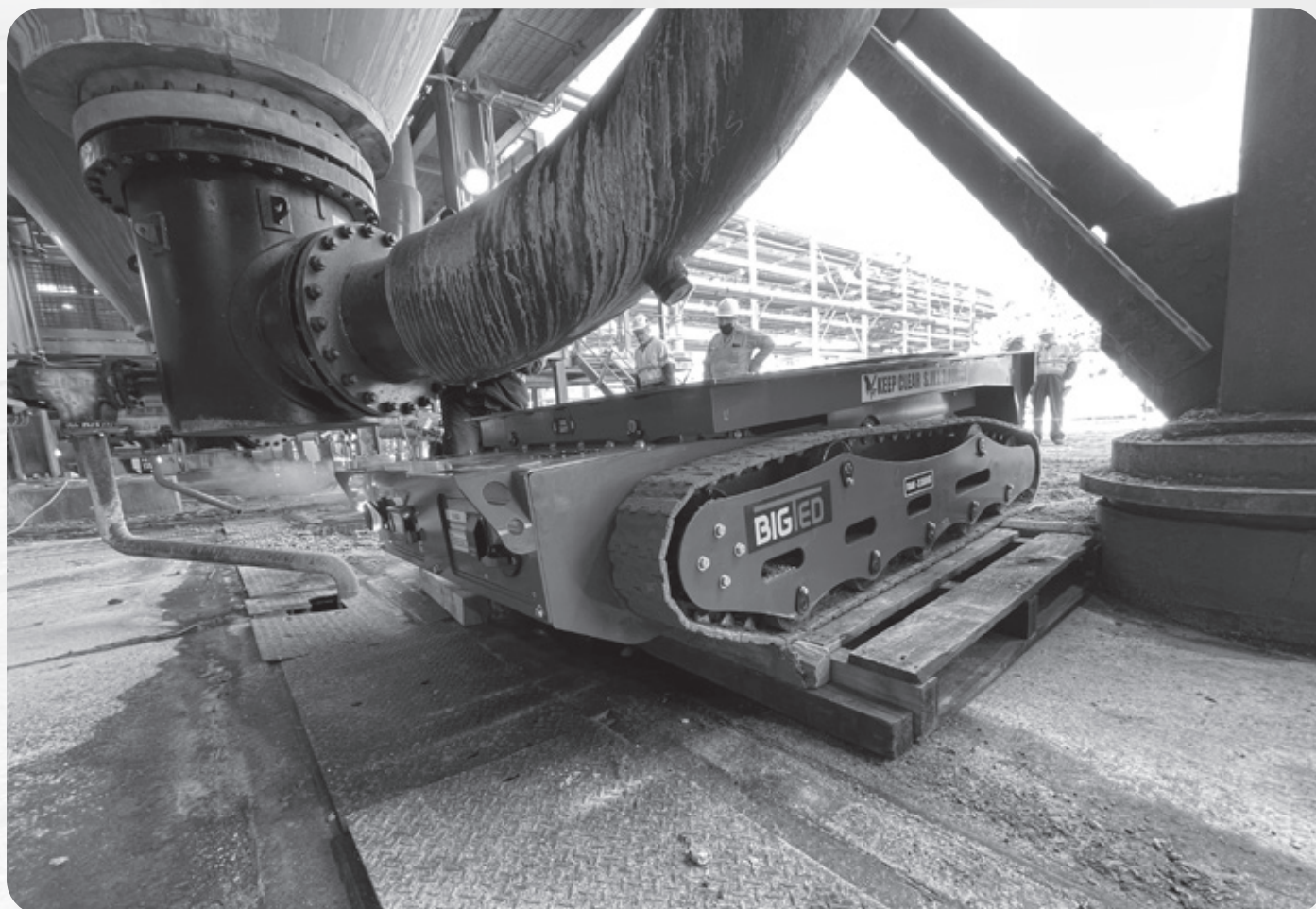


ADAPTABLE

Versatile attachments can be mounted to the Big TED turntable or table front allowing operators to perform a variety of tasks.

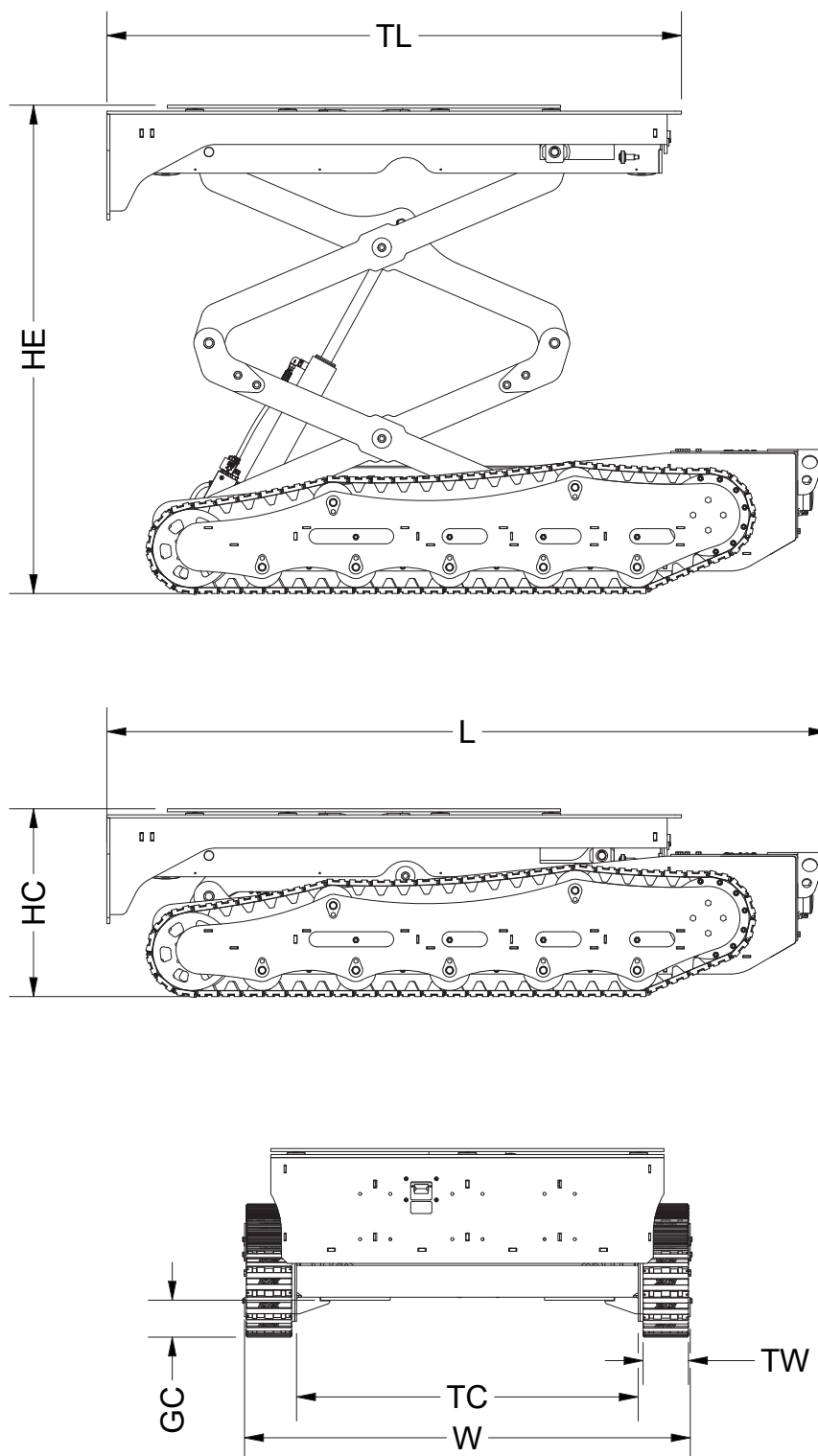
SPECIFICATIONS

Tare weight (kg/lbs)	2,600 / 5,732
Safe Working Load (kg/lbs)	3,000 / 6,614
Ground Speed	Proportional control Maximum speed 3km/hr (1.8m/h)
Drive Motors	Two (2) 24VDC Brushless electric drive motors and motor controllers 3.5kW with 51:1 Inline gearbox Electromagnetic brake
Power Unit	24VDC, 2kW Motor Dual 1.0cc Pumps with 4L (1gal) Tank
Hydraulic Cylinders	Two (2) Hydraulic Cylinders 3" Bore 1.5" Rod 480mm Stroke
Battery System	24VDC 448Ah Battery system Eight (8) 6VDC 224AH Deep-Cycle AGM batteries
Radio System	Scanreco G3B Remote Control System G3 Receiver CANOpen Unit & Transmitter Mini Joystick (Paired System) 2.4Ghz operating frequency
Slew Drive	24VDC 19.8rpm 40Nm Planetary Reducer Motor 47:1 Worm Drive
Actuators	Two (2) 24VDC Electric Linear Actuators 16.9kN rated force 80mm stroke, 5mm/s speed

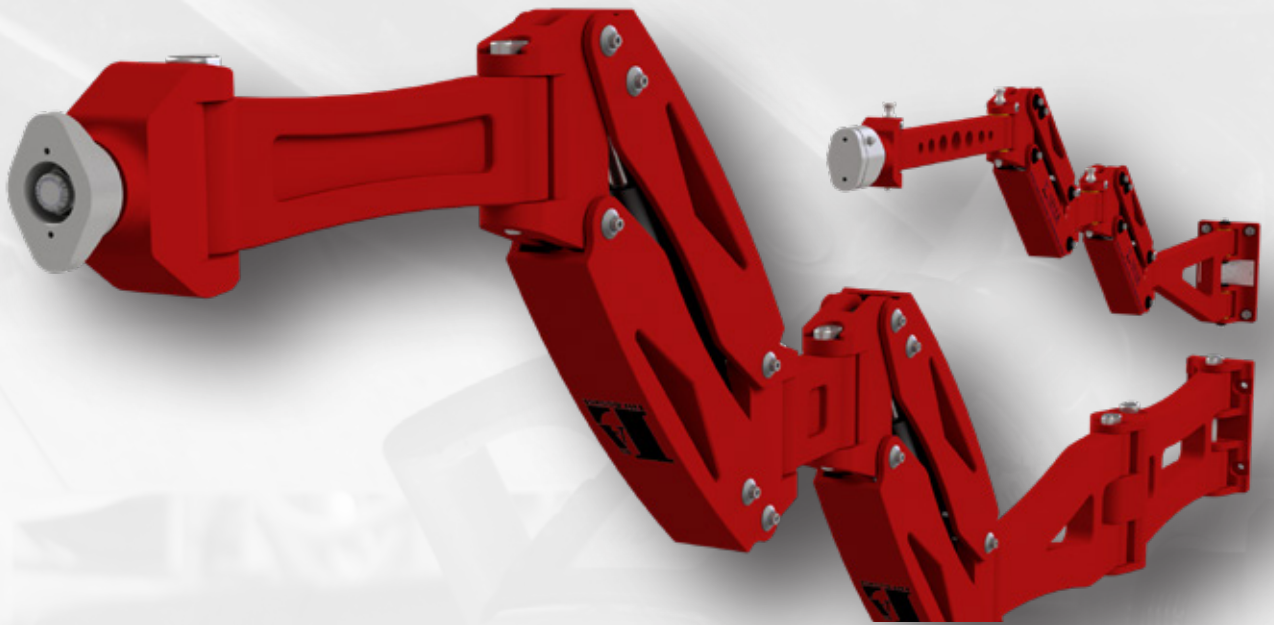


DIMENSIONS (MM/INCH)

Length (L)	2,385 / 93.9	Table Length (TL)	1,900 / 74.8
Width (W)	1,475 / 58.1	Ground Clearance (GC)	122 / 4.8
Height Compressed (HC)	621 / 21.5	Track Clearance (TC)	1,130 / 44.5
Height Extended (HE)	1,615 / 63.6	Track Width (TW)	150 / 5.9

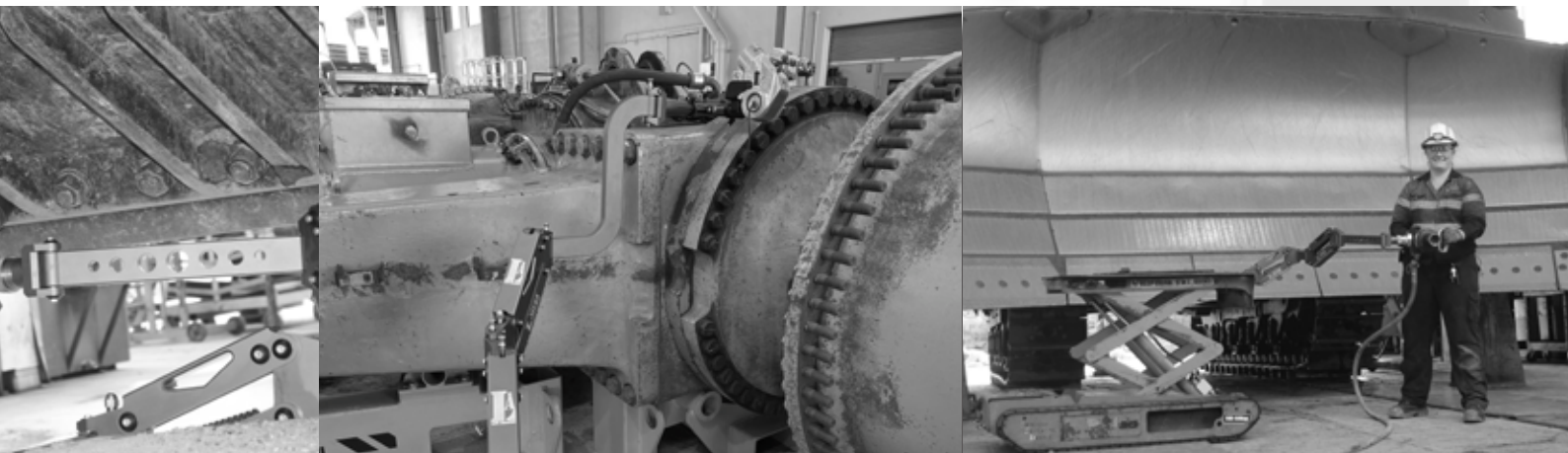


Lift Assist



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LA 40

Part No: AGA-ARM-100-000

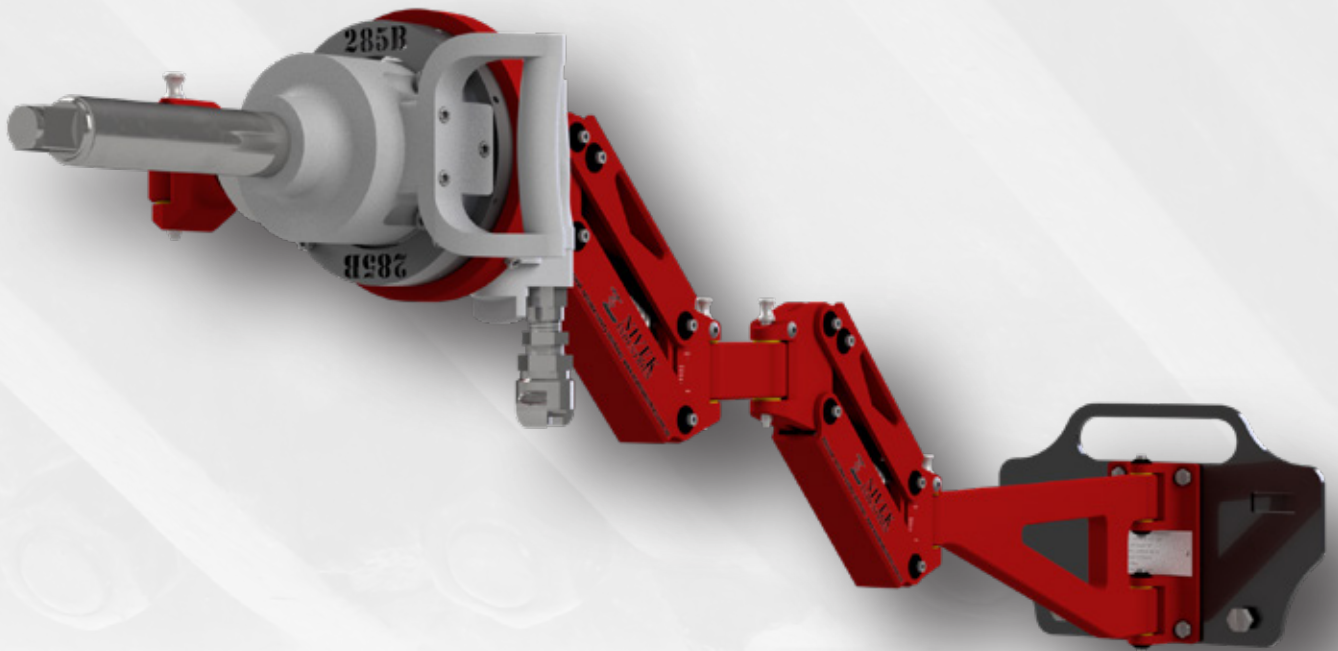
The LA40 is a simple and safe to operate lifting arm designed to support heavy tooling during operation. With a total lifting capacity of 40kg (89lb), the LA40 can greatly reduce worker fatigue when utilising heavy tools.

The LA40 is comprised of two spring cases to provide the lifting ability, and a quick release swivel point to allow quick and easily tool mounting and manipulation. These are connected by various extension arms via five quick release pins resulting in a modular system that can be easily assembled and reconfigured depending on the task.

With six points of articulation and smart spring technology, the LA40 achieves a full range of horizontal and vertical movement. Apart from the obvious benefits to hand safety by reducing finger exposure to pinch points, the LA40 offers positive improvements to operator overall wellbeing through reduced manual handling.

A simple mounting plate design allows the LA40 to be mounted on a variety of platforms, including TED.





FLEXIBILITY

The multiple articulation points of the LA40 provides operators full degree of movement, allowing access to hard to reach places.



RELIABILITY

No electric or air power required for operation, made with durable components for the Mining Industry.



PRACTICAL

The smart spring design supports the weight of tooling allowing operators to easily position and hold during operation.



LIFTING CAPACITY

The LA40 is able to support tools up to a maximum weight of 40kg (89lbs).



TOOLING

Multiple tools can be set up with the quick release system, allowing operators to quickly and easily change tools.



ADAPTABLE

The LA40 can be set up in a wide range of configurations allowing operators to setup the arm to suit individual requirements.

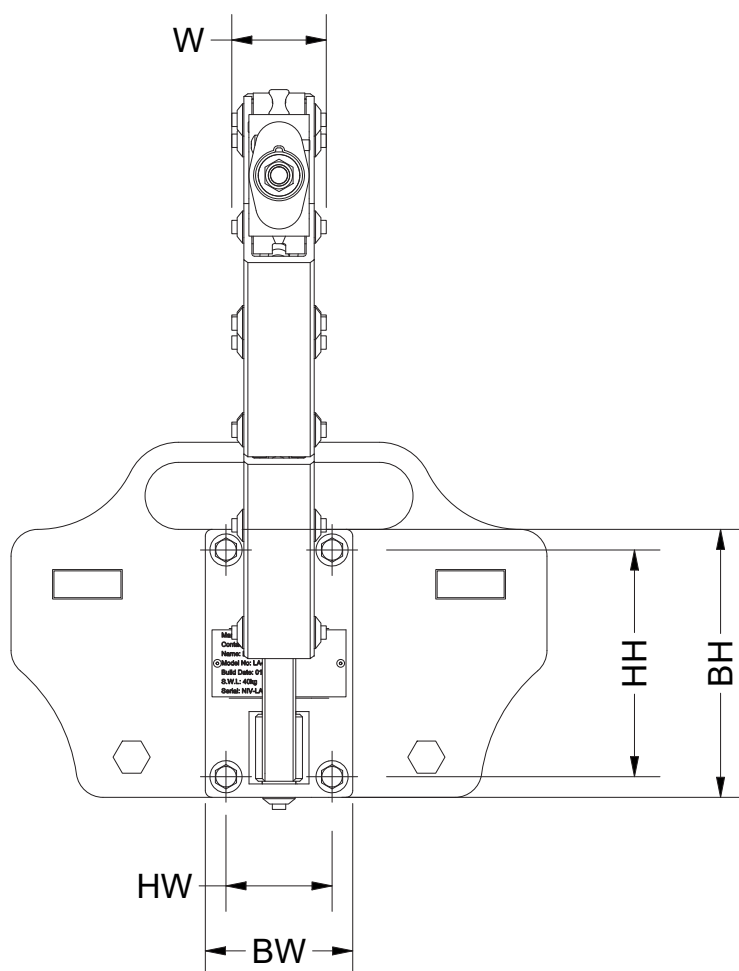
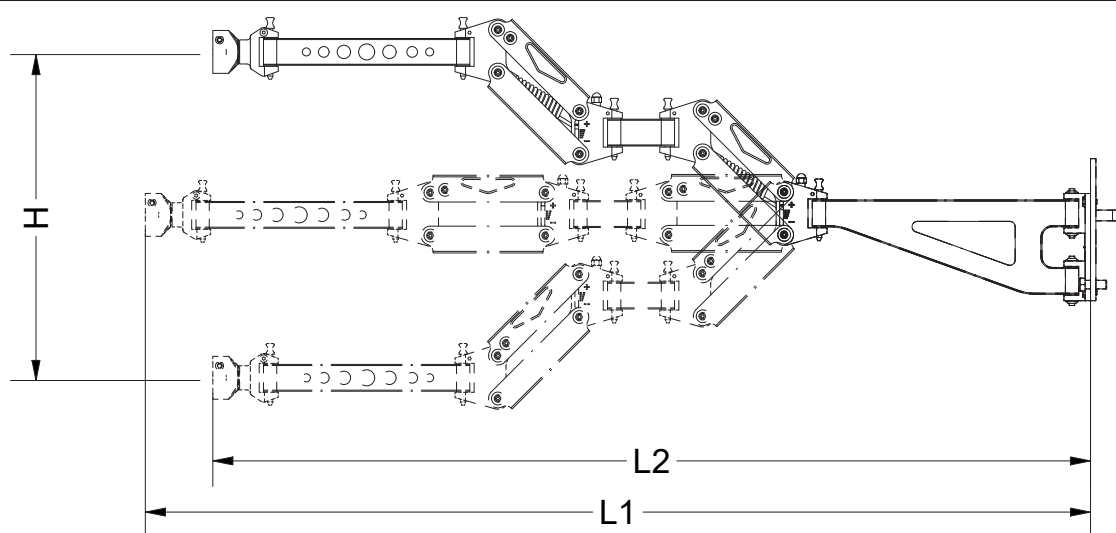
SPECIFICATIONS

Tare weight (kg/lbs)	20 / 45
Safe Working Load (kg/lbs)	40 / 89
Material	Aluminum frame with stainless steel pins
Assembly	Each section is joined together via a quick release pin allowing for quick assembly and disassembly
Degrees of movement	Six points of articulation, smart spring system, and a swivel head, provides complete freedom of movement.
Adjustment	Each spring section has a spring tension adjustment bolt allowing the operator to calibrate the LA40 spring tension to suit the tool being utilised.
Mounting	Using the mounting bolt hole pattern (see dimensions) the LA40 can be mounted to any suitably rated surface. A TED mounting plate is provided as standard with every LA40.
Tool Mounting	Each LA40 is fitted with a Quick Release tool mounting system. Operators select the appropriate bracket from the library, bolt it to a spigot (if required) and insert it into the quick release mechanism.



DIMENSIONS (MM/INCH)

Length (L1)	1,760 / 69.3	Base Width (BW)	110 / 4.4
Length (L2)	1,630 / 64.2	Base Height (BH)	200 / 7.9
Width (W)	70 / 2.8	Mounting Hole (HW)	79.2 / 3.2
Height Range (H)	600 / 23.6	Mounting Hole (HH)	169.2 / 6.7



Extras / Upgrades

Accessories

Part No: AGA-ARM-100-017
Accessory



S-Bend

The S-Bend extension arm allows the operator to gain an additional 350mm (13.8inch) of vertical reach.

Part No: AGA-ARM-100-014-06
Accessory



Norbar Attachment

The Norbar attachment mounts straight into the quick release housing and allows operators to connect to the Norbar gimble mount.

Quick Release

Part No: AGA-ARM-100-014-00
Standard



Quick Release

The Quick Release system comes standard with any new LA40 purchase and includes one spigot. The Quick Release system allows operators to quickly change out tools.

Part No: AGA-ARM-100-014-05
Accessory



Male Spigot

The Male Spigot is the mounting point for several of the tool brackets and being relatively low profile can physically remain on the tool without getting in the way.

Gimble Attachments

Part No: AGA-GIM-100-00
Accessory



Large Gimble

The Large Gimble has an inner diameter of 150mm (5.9inch) and can be utilized to provide a tool rotation which can be useful for lining up socket heads.

Part No: AGA-GIM-100-00(S)
Accessory



Small Gimble

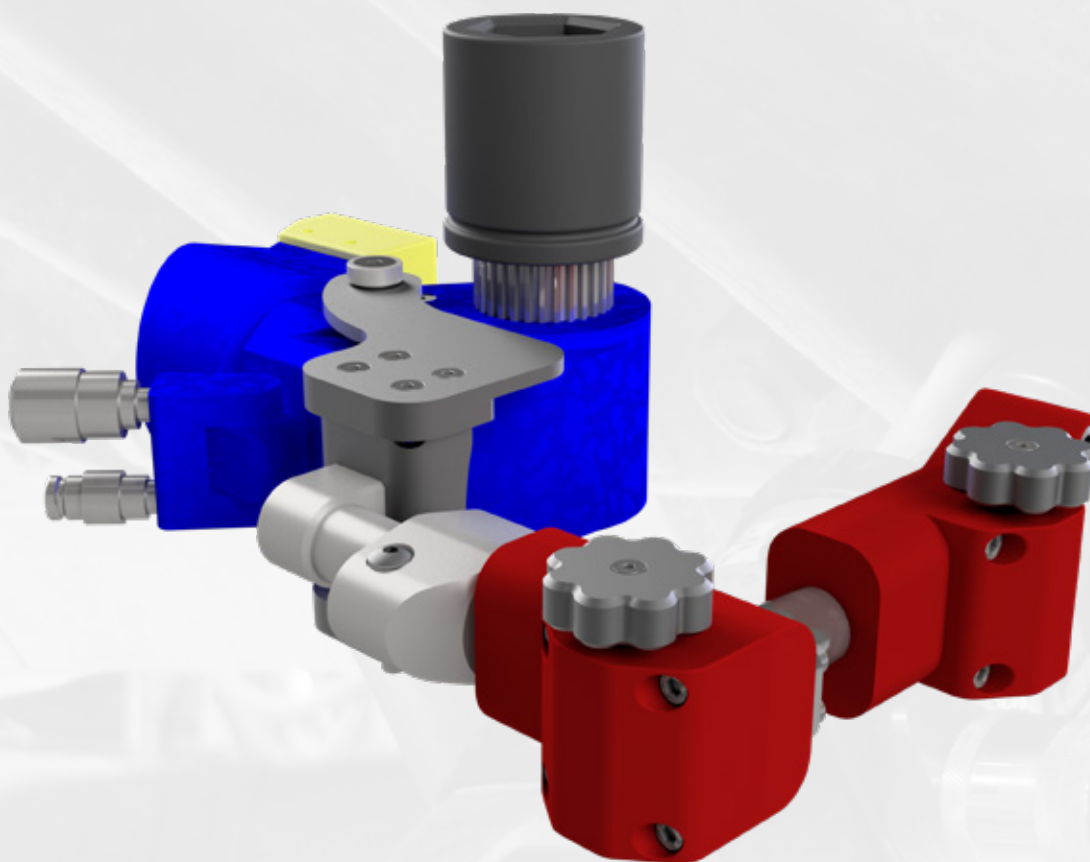
The Small Gimble has an inner diameter of 100mm (4inch) and can be utilized to provide a tool rotation which can be useful for lining up socket heads.

Tool Brackets

Tool Brand	Tool Type	Model	Part Number (Mounting Type)	Bracket
Ingersoll Rand	Impact Driver	285B	LA40-MB-IR-GIM-285B (Gimble)	
		285B	LA40-MB-IR-MS-285B (Male Spigot)	
		2850MAX	LA40-MB-IR-QR-285MAX (Quick Release)	
		2925BTi	LA40-MB-IR-QR-2925BTi (Quick Release)	
		3955BTi	LA40-MB-IR-GIM-3955BTi (Gimble)	
		3955BTi	LA40-MB-IR-MS-3955BTi (Male Spigot)	
RAD	Pneumatic Torque Wrench	25GX	LA40-MB-RAD-MS-25GX (Male Spigot)	
		34GX	LA40-MB-RAD-MS-34GX (Male Spigot)	
NOTE: If the required tool is not listed, please contact Nivek Industries and we will be happy to design and make a suitable bracket.				

Hydraulic Torque Wrench Attachment

Part No: AGA-ARM-100-030-00



Lift Assist

The Hydraulic Torque Wrench attachment was designed to hold the tool in place allowing the operator to control it from a distance to eliminate the risk of oil injection and hand crushing injuries. A single operator can position the tool as required, step back and then control the wrench from a safe distance.

With the two points of articulation the operator can orientate and then hold the tool in any position to perform any required task safely.

The Hydraulic Torque Wrench attachment can easily be fixed to the LA40 arm via the quick release pin.

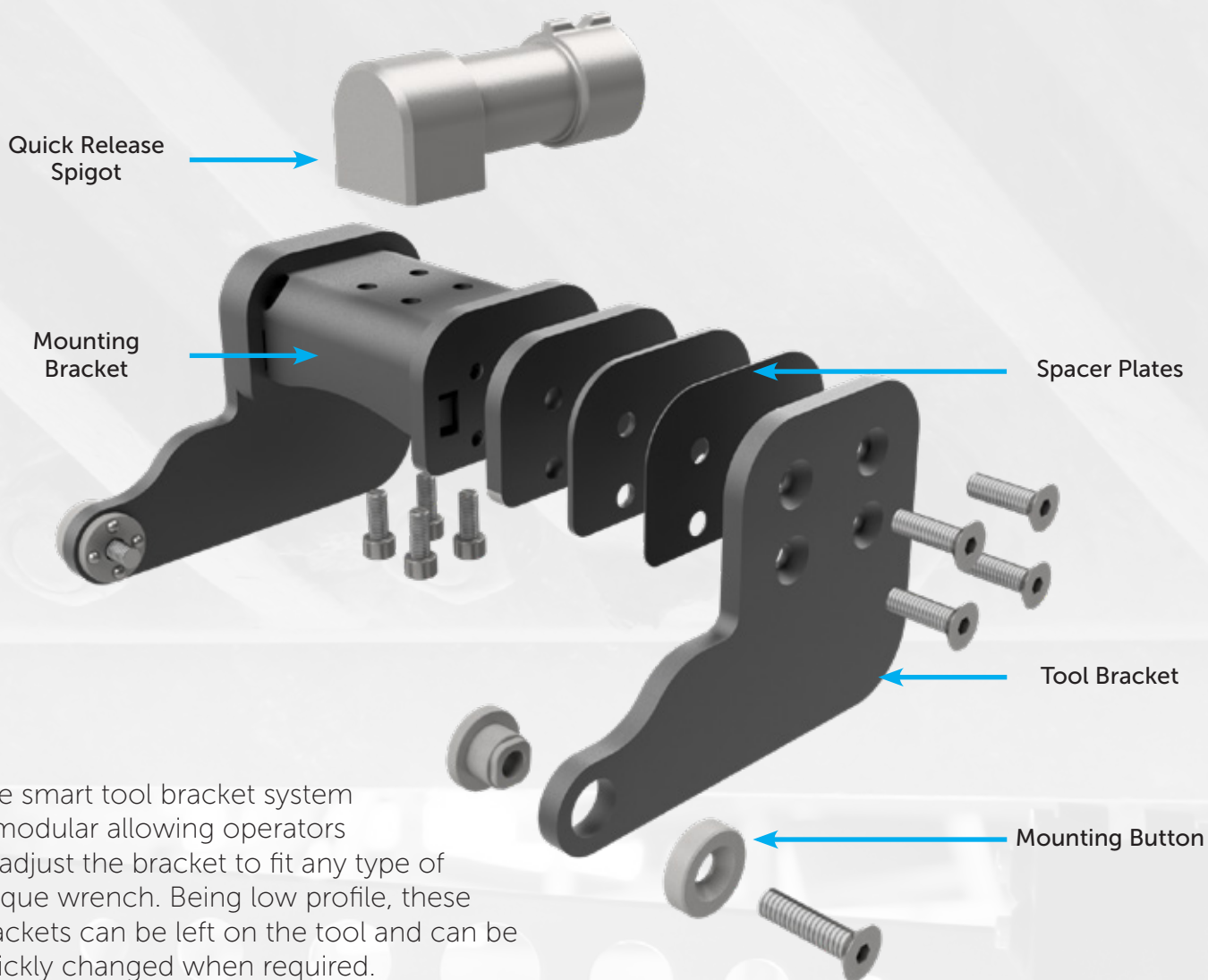
APPLICATIONS

Can be setup to support a wide variety of hydraulic torque wrenches.

See tool bracket table to determine the required brackets for each type of tool.

SPECIFICATIONS

Name	Hydraulic Torque Wrench Attachment
Part No	AGA-ARM-100-030-00
Safe Working Load	32kg / 70lbs
Attachment Type	LA40
Tare Weight	8kg / 18lbs
Dimensions (LxWxH)	240 x 270 x 100mm 9.4 x 10.6 x 3.9inch
Included in package	1x Hydraulic Torque Wrench Attachment 1x Quick Release Male Spigot 1x Mounting Bracket (advise what size) 1x Set of spacer plates 1x Set of tool brackets (advise what type)



The smart tool bracket system is modular allowing operators to adjust the bracket to fit any type of torque wrench. Being low profile, these brackets can be left on the tool and can be quickly changed when required.



QUICK RELEASE BRACKET PARTS

Picture	Specifications		Description
	Name	Quick Release Spigot	The Mounting brackets attach to the Quick Release Spigot assembly then mounts to the Hydraulic Torque Wrench Attachment.
	Part No	AGA-ARM-100-030-09	
	Name	Mounting Bracket 45mm	The specific tool brackets bolt onto the Mounting Bracket. The Mounting Brackets come in different widths including 45, 60, 80 & 100mm. These allow operators to design the mounting assembly to fit any brand or size of tool. These assemblies are then bolted onto the Quick Release Spigot.
	Part No	AGA-ARM-100-031-S45	
	Name	Mounting Bracket 60mm	
	Part No	AGA-ARM-100-031-S60	
	Name	Mounting Bracket 80mm	
	Part No	AGA-ARM-100-031-S80	
	Name	Mounting Bracket 100mm	
	Part No	AGA-ARM-100-031-S100	
	Name	Spacer 0.5mm	
	Part No	AGA-ARM-100-031-03-0.5	
	Name	Spacer 2mm	To provide additional customization and limit the number of required mounting brackets, spacer plates are available in 0.5, 2 & 6mm thicknesses. These can be utilized in any combination to create a bracket the perfect width for the specific tool being used.
	Part No	AGA-ARM-100-031-03-2	
	Name	Spacer 6mm	
	Part No	AGA-ARM-100-031-03-6	
	Name	Hytorc Mounting Button D5	The Hytorc Mounting Buttons come in three different sizes depending on the bolt that is required to mount onto the tool. The mounting buttons comprise of a male and female part that allows the tool to pivot whilst in the bracket.
	Part No	AGA-ARM-100-032-HA-D5	
	Name	Hytorc Mounting Button D7	
	Part No	AGA-ARM-100-032-HA-D7	
	Name	Hytorc Mounting Button D10	
	Part No	AGA-ARM-100-032-HA-D10	
	Name	Enerpac Mounting Button M6	The Enerpac Mounting Buttons come in two different sizes depending on the bolt that is required to mount onto the tool. The mounting buttons comprise of a male and female part that allows the tool to pivot whilst in the bracket.
	Part No	AGA-ARM-100-032-EA-M6	
	Name	Enerpac Mounting Button M10	
	Part No	AGA-ARM-100-032-EA-M10	

TOOL BRACKETS

Brand	Model	Specifications		Picture
Hytorc	ICE 3	Bracket	AGA-ARM-100-031-I3-00	
		Button	Hytorc Mounting Button D5	
	ICE 5	Bracket	AGA-ARM-100-031-I5-00	
		Button	Hytorc Mounting Button D7	
	Avanti 3	Bracket	AGA-ARM-100-031-A3-00	
		Button	Hytorc Mounting Button D5	
	Avanti 5	Bracket	AGA-ARM-100-031-A5-00	
		Button	Hytorc Mounting Button D7	
	Avanti 8	Bracket	AGA-ARM-100-031-A8-00	
		Button	Hytorc Mounting Button D7	
	MXTP 3	Bracket	AGA-ARM-100-031-MP3-00	
		Button	Hytorc Mounting Button D7	
	MXTP 5	Bracket	AGA-ARM-100-031-MP5-00	
		Button	Hytorc Mounting Button D10	
	MXTP 10	Bracket	AGA-ARM-100-031-MP8-00	
		Button	Hytorc Mounting Button D10	
Enerpac	S1500	Bracket	AGA-ARM-100-031-EPS1500-00	
		Button	Enerpac Mounting Button M6	
	S6000	Bracket	AGA-ARM-100-031-EPS6000-00	
		Button	Enerpac Mounting Button M10	
	S3000	Bracket	AGA-ARM-100-031-EPS3000-00	
		Button	Enerpac Mounting Button M6	
	S11000	Bracket	AGA-ARM-100-031-EPS11000-00	
		Button	Enerpac Mounting Button M10	
	W2000	Bracket	AGA-ARM-100-031-EPW2000-00	
		Button	Enerpac Mounting Button M6	

NOTE: If the required tool is not listed, please contact Nivek Industries and we will be happy to design and make a suitable bracket.

LA 80

Part No: AGA-ARM-80-100

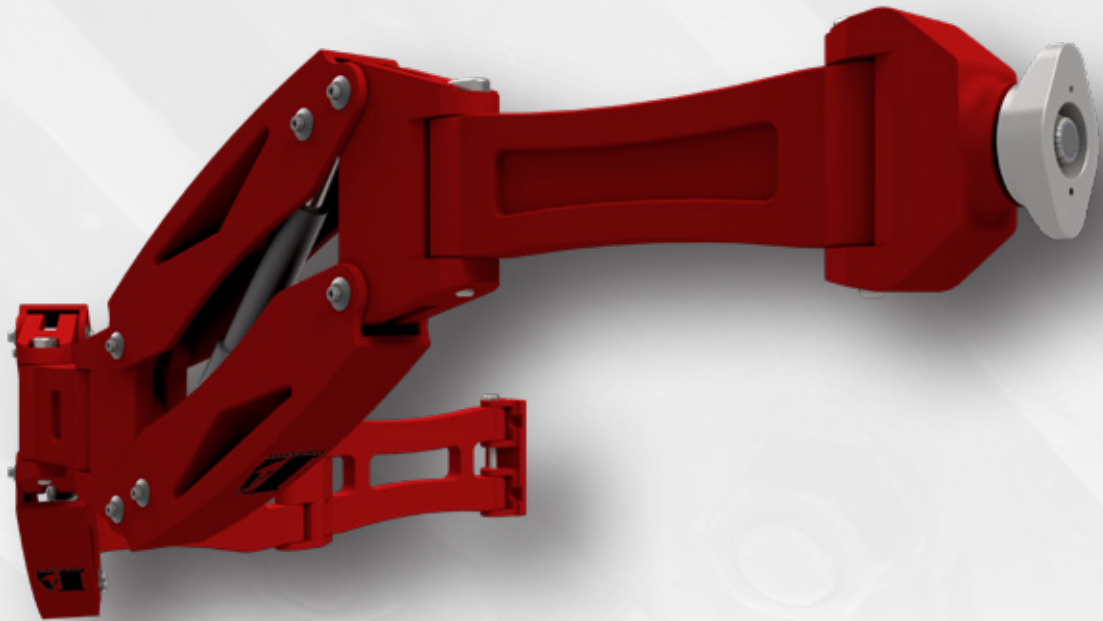
The LA80 is a powered lifting arm designed to support heavy loads up to 80kg (176lb). Designed to lift heavy components into place and support them while being installed or removed.

Powered by two linear actuators the LA80 arm has smooth controllable movement with no bounce. The six points of articulation allow the operator to manoeuvre the load to the desired location quickly and easily.

By removing the requirement for maintenance personnel to have to lift and hold heavy components in awkward positions, the LA80 enhances operator overall wellbeing through reduced manual handling and increases workplace efficiency.

The LA80 can be mounted in dedicated work stations or on Nivek Industries Big TED mounting plate.





FLEXIBILITY

The multiple articulation points and extensibility of the LA80 provides operators with full 360 degree movement and powered lifting, allowing access in hard to reach places



RELIABILITY

Made with durable components for the mining industry.



PRACTICAL

Linear actuators, support the weight and flexible movement allowing operators to easily position and support heavy objects.



LIFTING CAPACITY

Support tools or loads up to a maximum weight of 80kg (186lb).



TOOLING

The quick release mechanism allows operators to quickly and easily change tools.



ADAPTABLE

The LA80 can be set up in a wide range of configurations allowing operators to customise the arm to suit individual requirements and situations.

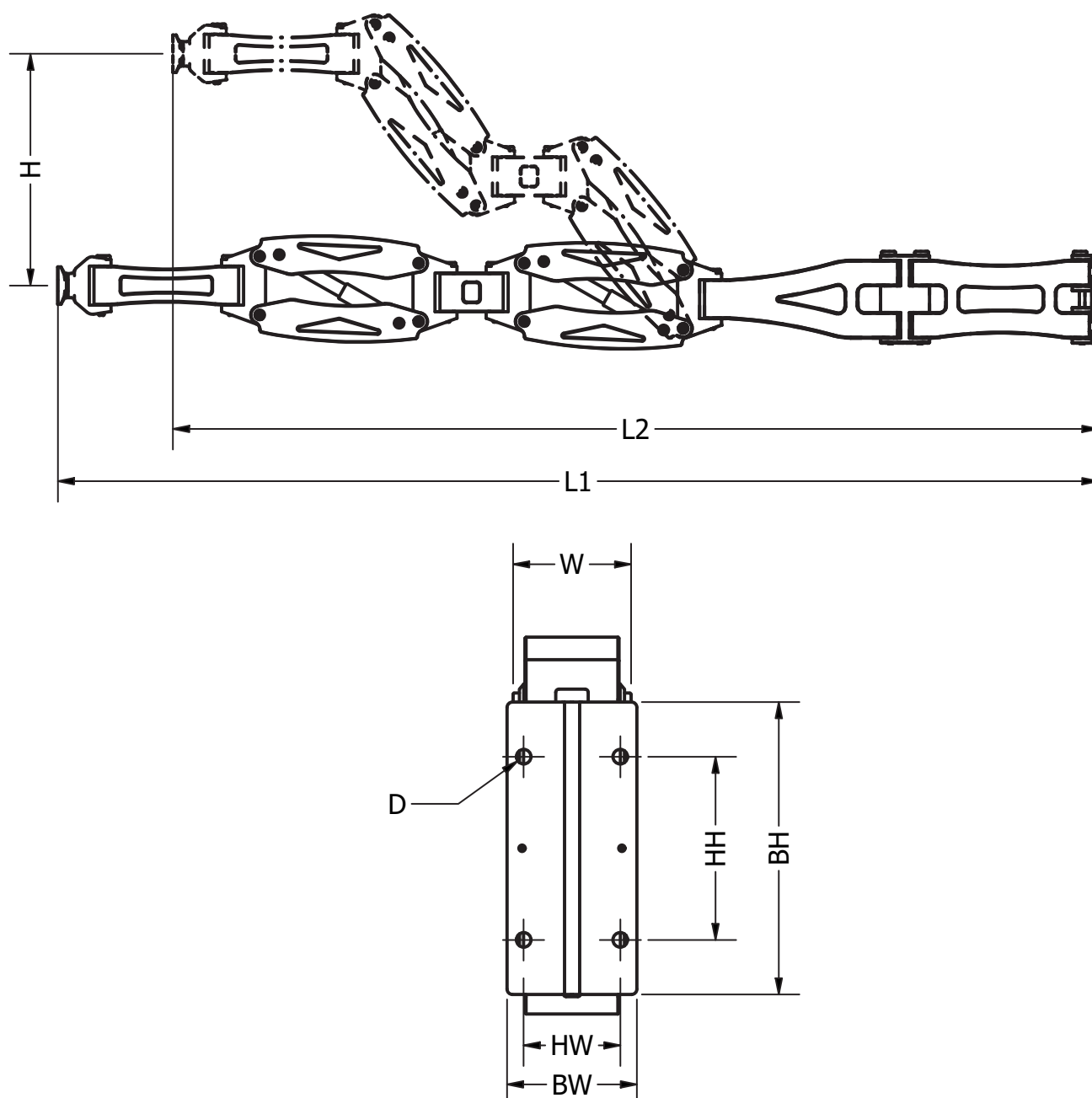
SPECIFICATIONS

Tare weight (kg/lbs)	20 / 45
Safe Working Load (kg/lbs)	80 / 176
Material	Aluminum frame with stainless steel pins
Assembly	Each section is joined together via a screw in pin allowing for quick assembly and disassembly
Degrees of movement	Six points of articulation and a swivel head, provides complete freedom of movement.
Actuators	Two 24V 8,000N independant linear actuators allow for highly controllable lift.
Mounting	Using the mounting bolt hole pattern (see dimensions) the LA80 can be mounted to any suitably rated surface.
Tool Mounting	The LA80 can be fitted with a variety of tool holders or cradles to allow operators to securely hold components while being maneuvered into place.



DIMENSIONS (MM/INCH)

Length (L1)	3,203 / 126.1	Base Width (BW)	120 / 4.7
Length (L2)	2,848 / 112.1	Base Height (BH)	270 / 10.6
Width (W)	110 / 4.3	Mounting Hole (HW)	89.2 / 3.5
Height Range (H)	710 / 28	Mounting Hole (HH)	169.2 / 6.7
		Hole Diameter (D)	13.5 / 0.53



Beast Of Burden



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BOB 0.5T

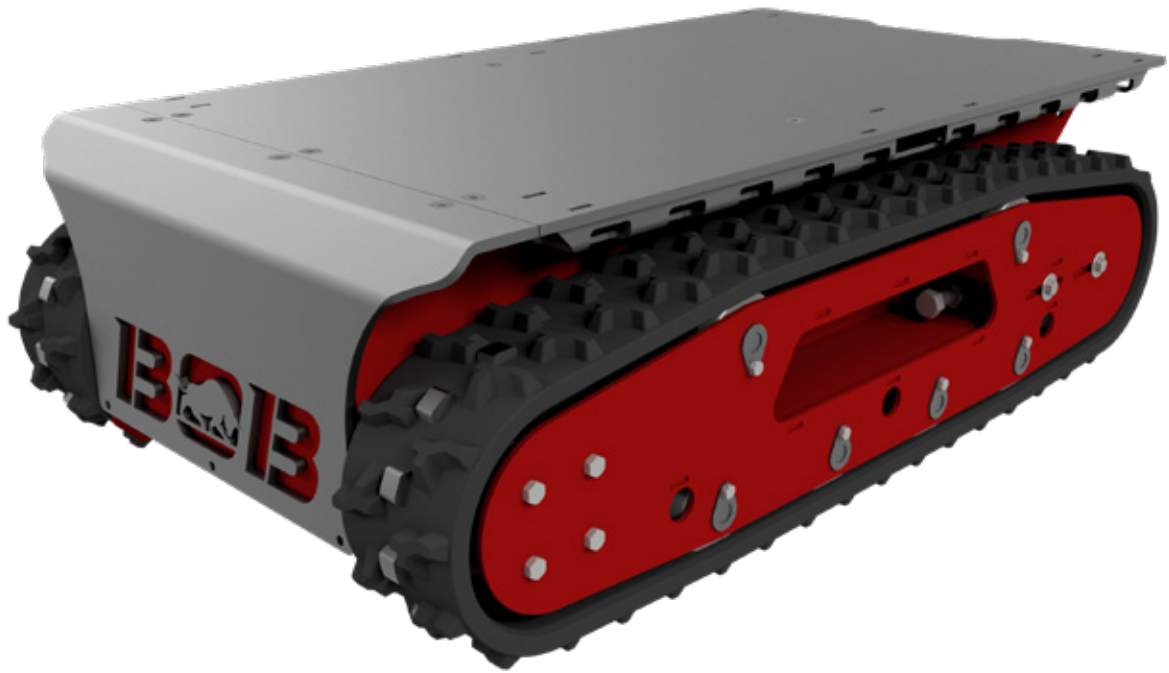
Part No: BOB-0.5T-
ASY-000-00

The BOB 0.5T is a remote controlled, all terrain carrier designed to handle loads of up to 500kgs (1,100lbs). BOB is designed to fit through a standard doorway, allowing it to be utilised where other machines cannot go, giving it access to confined spaces and/or rough and inclined terrain.

The dual 48V lithium batteries provide energy to the electric power unit in turn driving the two independent hydraulic drive motors. Built with rubber tracks, the BOB will happily carry your load over any terrain to your required destination.

By using the AUX power outlet, the BOB can be fitted with custom made smart attachments to suit any customer requirements. These smart attachments are controlled via the fully proportional wireless remote control joysticks, allowing the operator to stand clear when in operation, therefore greatly reducing the risk associated with moving heavy loads.





CONTROL SYSTEM

Wirelessly controlled by a paired Scanreco G3B remote control system operating at 2.4Ghz.



COMPACT

Designed to fit through a standard doorway, allowing it to be utilised where other machines cannot go.



ALL TERRAIN

Rubber tracks and electric drive system provides ample traction and enables operation in enclosed spaces.



CAPACITY

Built with an impressive 500kg (1,100lbs) all terrain safe working load capacity.



ENGINE

A 3.5kW 48V electric power unit driving two (2) hydraulic traction motors.



ADAPTABLE

A variety of powered or unpowered attachments allowing operators to quickly change attachments for a variety of tasks to be performed safely and efficiently.

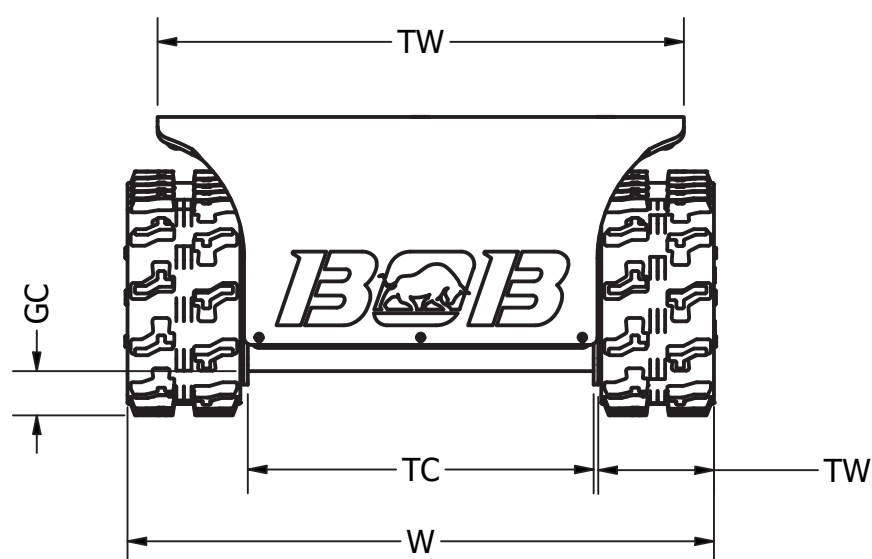
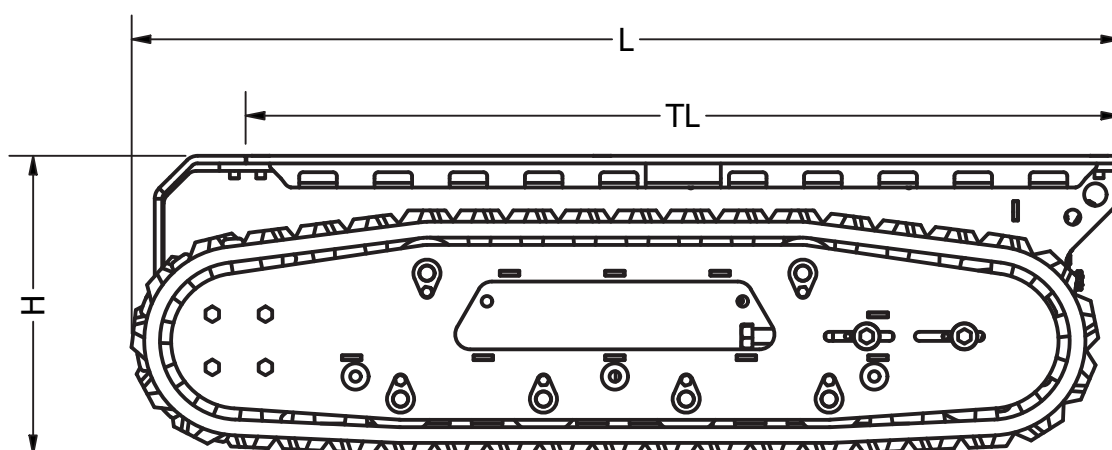
SPECIFICATIONS

Tare weight (kg/lbs)	580 / 1,279
Safe Working Load (kg/lbs)	500 / 1,100
Ground Speed	Proportional control. Maximum speed 2km/hr (1.25m/hr)
Battery System	Two (2) 48VDC lithium 45.5Ah batteries 4.6kWh battery system
Power Unit	3.5kW 48V Electric motor and pump
Drive System	Two (2) independent 100cc orbit motors, AGFO brake and R90 1:3 gearbox drive systems
Radio System	Scanreco G3B remote control system, 2.4Ghz operating frequency



DIMENSIONS (MM/INCH)

Length (L)	1,314 / 51.7	Ground Clearance (GC)	60 / 2.4
Width (W)	780 / 30.7	Track Clearance (TC)	460 / 18.1
Height (H)	400 / 15.7	Track Width (TW)	154 / 6.1
Table Length (TL)	1,163 / 45.8	Table Width (TW)	700 / 27.6



BOB 1.5T

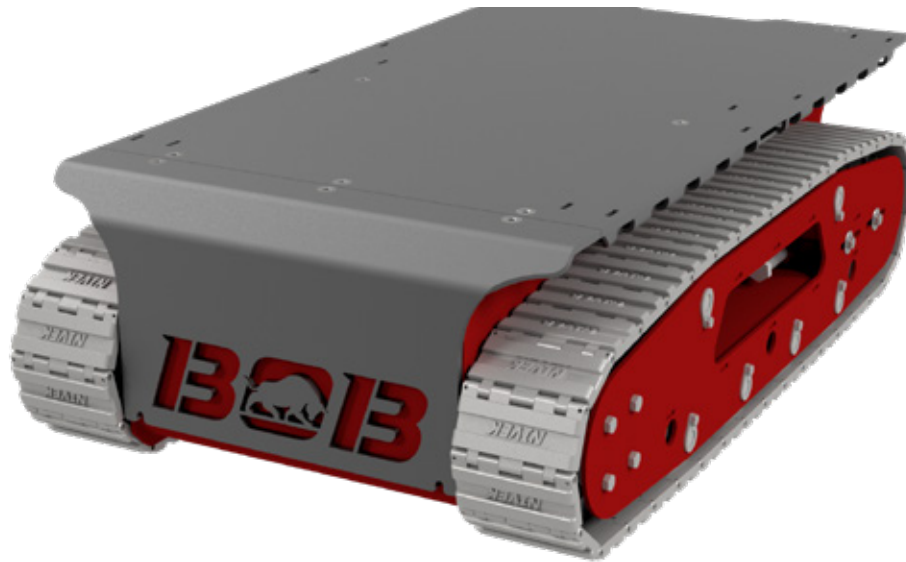
Part No: BOB-1.5T-ASY-000-00

BOB 1.5T is a remote controlled, all terrain carrier designed to handle loads of up to 1,500kgs (3,300lbs). BOB 1.5T is designed to fit through a standard doorway, allowing it to be utilised where other machines cannot go, giving it access to confined spaces and/or rough and inclined terrain.

The dual 48V lithium batteries provide energy to the electric power unit, which in turn drives two independent hydraulic drive motors. Built with steel tracks, the BOB will happily carry your load over any terrain to your required destination.

By using the AUX power outlet, the BOB 1.5T can be fitted with custom made smart attachments to suit any customer requirements. These smart attachments are controlled via the fully proportional wireless remote control joysticks, allowing the operator to stand clear when in operation, therefore greatly reducing the risk associated with moving heavy loads.





CONTROL SYSTEM

Wirelessly controlled by a paired Scanreco G3B remote control system operating at 2.4Ghz.



COMPACT

Designed to fit through a standard doorway, allowing it to be utilised where other machines cannot go.



ALL TERRAIN

Steel tracks and electric drive system provides ample traction and enables operation in enclosed spaces.



CAPACITY

Built with an impressive 1,500kg (3,300lbs) all terrain safe working load capacity.



ENGINE

A 3.5kW 48V electric power unit driving two (2) hydraulic traction motors



ADAPTABLE

A variety of powered or unpowered attachments allowing operators to quickly change attachments for a variety of tasks to be performed safely and efficiently.

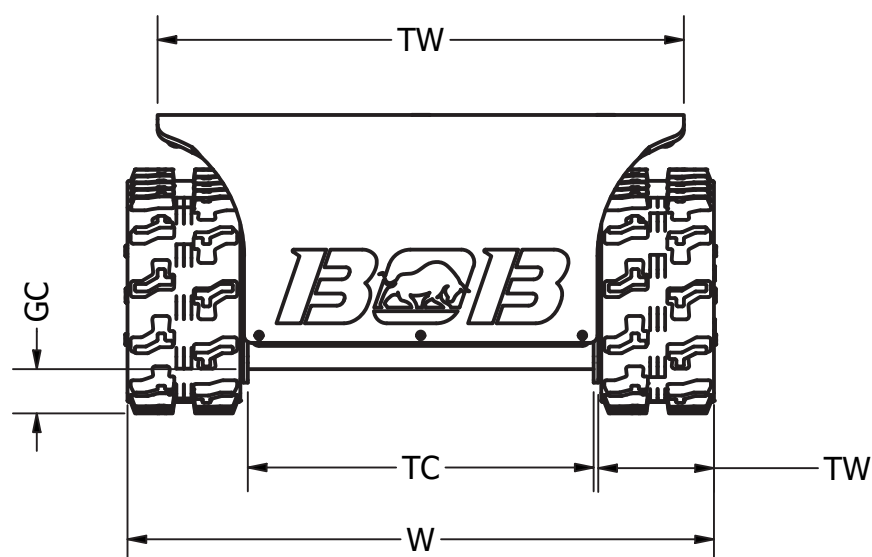
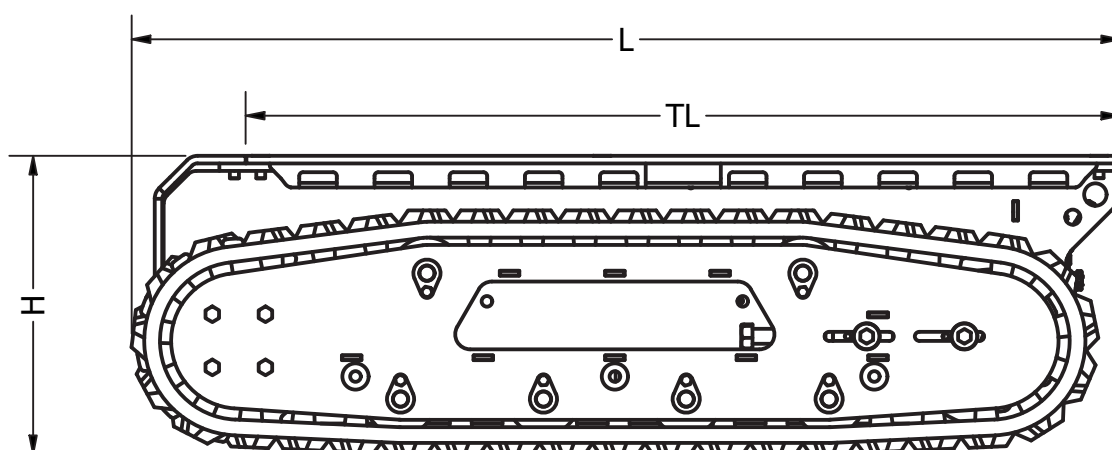
SPECIFICATIONS

Tare weight (kg/lbs)	680 / 1,500
Safe Working Load (kg/lbs)	1,500 / 3,307
Ground Speed	Proportional control. Maximum speed 2km/hr (1.25m/hr)
Battery System	Two (2) 48VDC lithium 45.5Ah batteries 4.6kWh battery system
Power Unit	3.5kW 48V Electric motor and pump
Drive System	Two (2) independent 100cc orbit motors, AGFO brake and R90 1:3 gearbox drive systems
Radio System	Scanreco G3B remote control system, 2.4Ghz operating frequency



DIMENSIONS (MM/INCH)

Length (L)	1,314 / 51.7	Ground Clearance (GC)	60 / 2.4
Width (W)	780 / 30.7	Track Clearance (TC)	460 / 18.1
Height (H)	400 / 15.7	Track Width (CW)	154 / 6.1
Table Length (TL)	1,163 / 45.8	Table Width (TW)	700 / 27.6



BOB 5T

Part No: BOB-5T-ASY-000-00

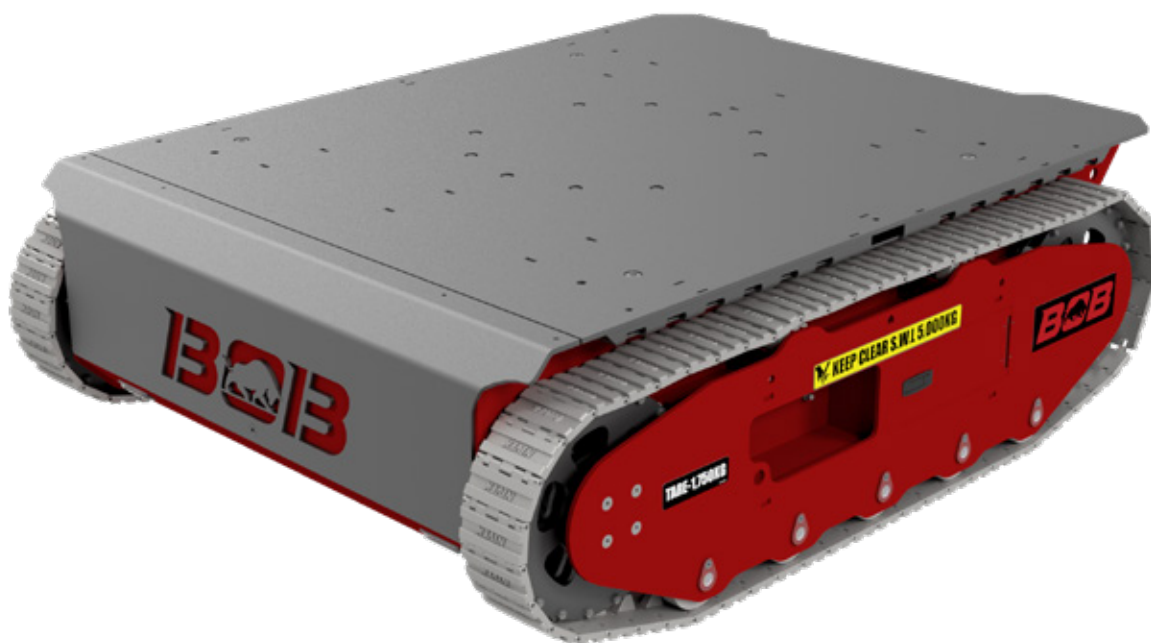
The BOB 5T is a remote controlled, all terrain carrier designed to transport loads of up to 5,000kgs (11,000lbs) over long distances.

The dual 48V electric drive motors and a massive 10kWh battery supply, means the BOB 5T will happily carry your heavy load over any terrain to your destination.

By using the AUX power outlet, the BOB 5T can be fitted with custom made smart attachments to suit any customer heavy load carrying, lifting or working requirements. These smart attachments are controlled via the wireless remote control, allowing the operator to stand clear when in operation, greatly reducing the risk associated with moving heavy loads.



BOB



CONTROL SYSTEM

Wirelessly controlled by a paired Scanreco G3B remote control system operating at 2.4Ghz.



ENGINE

A 48V battery system powers BOB 5T's two independent 3.5kW infinite control electric motors



ALL TERRAIN

Steel tracks and electric drive system provides ample traction on most surfaces and enables operation in enclosed spaces.



CAPACITY

Built with an impressive 5,000kg (11,000lbs), all terrain, safe working load capacity.



FUNCTIONALITY

Designed to carry heavy loads long distances without needing to recharge. It can be deployed to the field to assist operators carrying heavy loads and serve as a mobile power unit for powered attachments.



ADAPTABLE

A variety of powered or unpowered attachments allowing operators to quickly change attachments for a variety of tasks to be performed safely and efficiently.

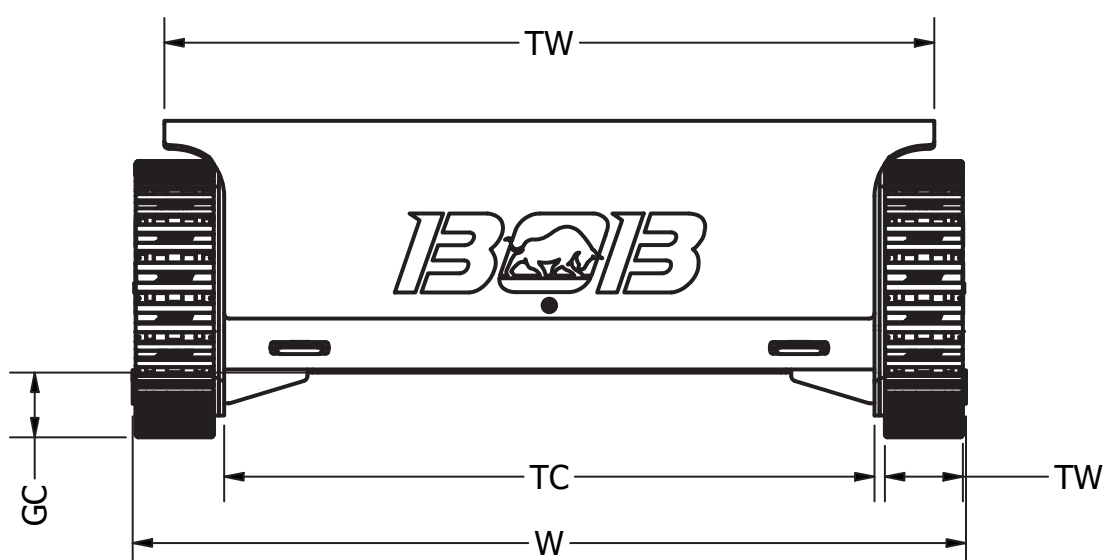
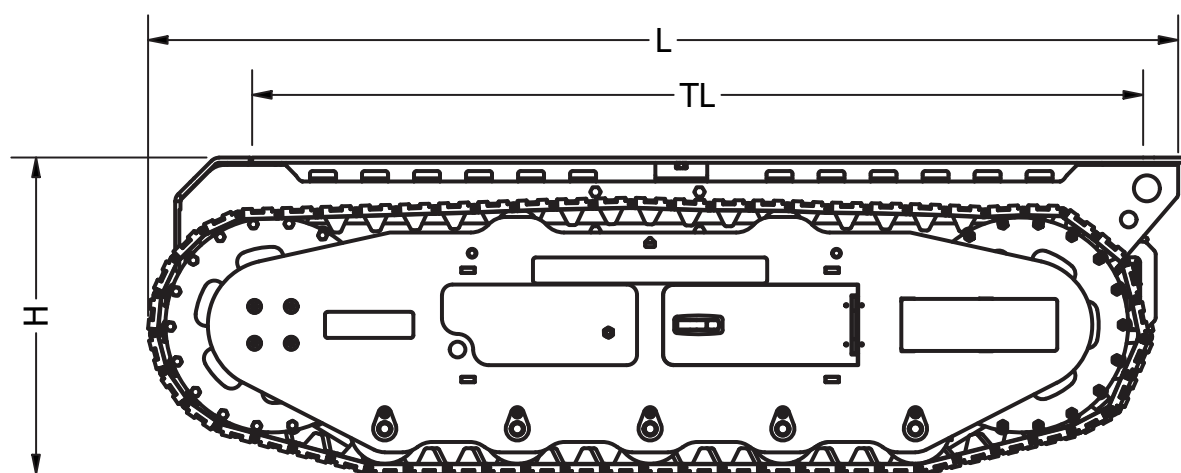
SPECIFICATIONS

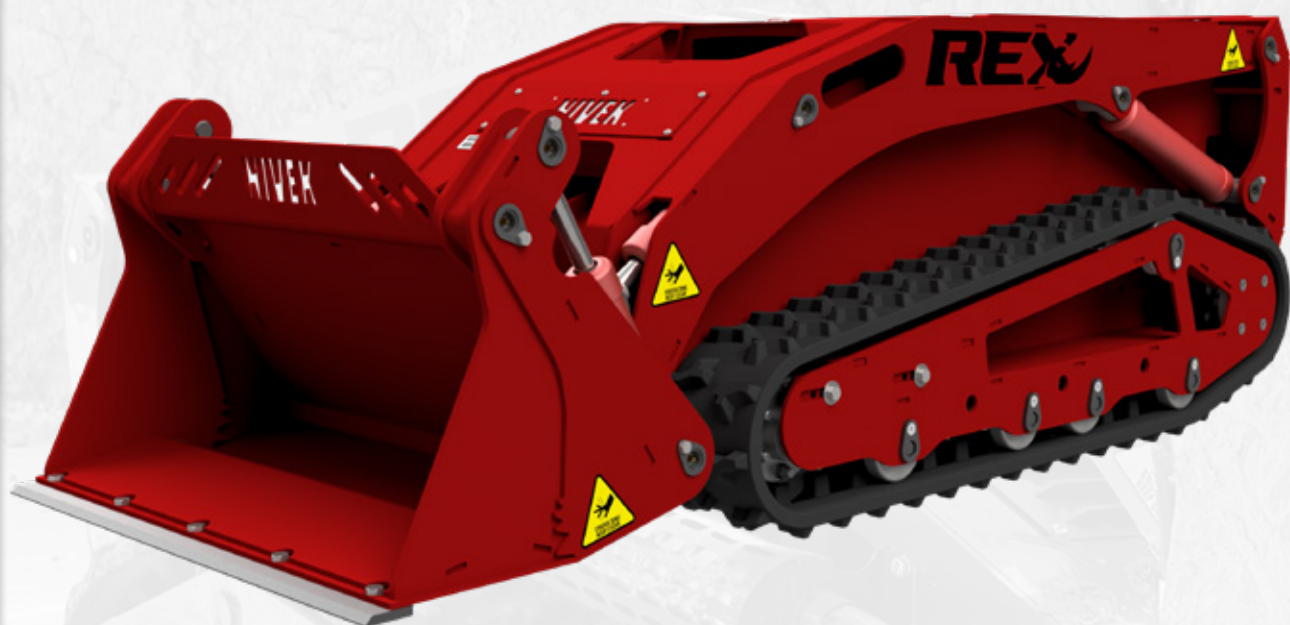
Tare weight (kg/lbs)	1,750 / 3,858
Safe Working Load (kg/lbs)	5,000 / 11,023
Ground Speed	Proportional control Maximum speed 5km/hr (3.1m/h)
Drive Motors	Two (2) 48VDC Brushless electric drive motors and motor controllers 3.5kW with 51:1 Inline gearbox, Electromagnetic brake
Battery System	10kWh battery system, upgradeable to 14kWh
Radio System	Scanreco G3B Remote Control System, 2.4Ghz operating frequency



DIMENSIONS (MM/INCH)

Length (L)	1,980 / 78	Ground Clearance (GC)	124 / 4.9
Width (W)	1,602 / 63.1	Track Clearance (TC)	1,250 / 49.2
Height (H)	608 / 23.9	Cleat Width (CW)	150 / 5.9
Table Length (TL)	1,712 / 67.4	Track Width (TW)	1,480 / 58.3





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REX

Part No: REX-ASY-000-00

The REX is an electric, remote controlled, all terrain mini-loader designed to access confined spaces and traverse rough and inclined terrain. Combine this with the rubber tracks and low centre of gravity and you have a true all-terrain machine, allowing operators to access areas other diggers cannot go.

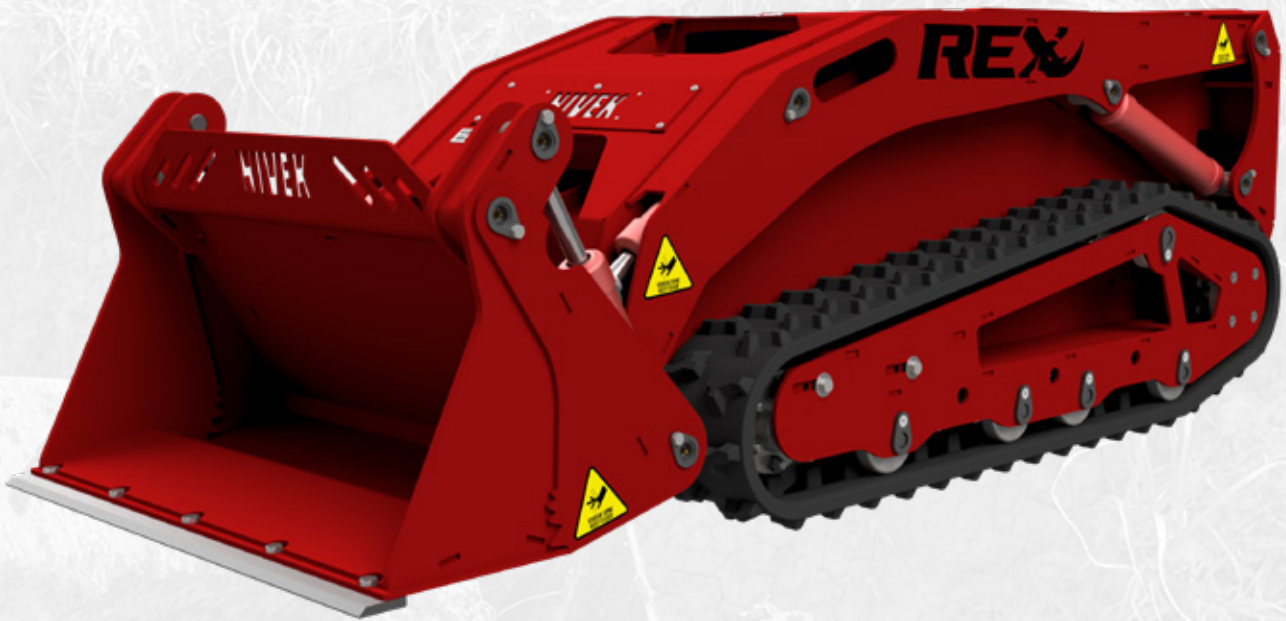
The REX's four 48V lithium batteries provide 9.6kWh of energy providing a run time at maximum power of 1.5 hours. Being hot-swappable, operators can quickly changeout the batteries and have REX operating continuously with minimal downtime.

The main electric power unit drives a triple pump system incorporating a dual transmission pump for superior drivability and a dedicated pump for hydraulic arm and auxiliary functions.

Fitted with an interchangeable 50L 4-in-1 bucket as standard, the REX can perform a multitude of tasks simply by changing attachments via the quick release couplers and locking handles swapping out the bucket for a trencher or auger.

Operated by a dual joystick wireless remote control, operators can manoeuvre REX into position and activate its arms simultaneously. The joysticks are fully proportional allowing operators to easily control the speed of REX and position of the arms accurately.





CONTROL SYSTEM

Wirelessly controlled by a paired radio system operating at 2.4GHz.



COMPACT

Designed to fit through a standard doorway, allowing it to be utilised where other machines cannot fit.



ALL TERRAIN

Rubber tracks and electric drive system provides ample traction on most surfaces and enables operation in enclosed spaces.



CAPACITY

Rated to handle an impressive 400kg (880lbs), providing operators with sufficient lifting capacity and pushing force.



HOT-SWAPPABLE BATTERIES

Hot-swappable batteries provide continuous operation with minimal downtime.



ADAPTABLE

REX's hitch plate allows operators to quickly change attachments letting them perform a variety of tasks safely and efficiently.

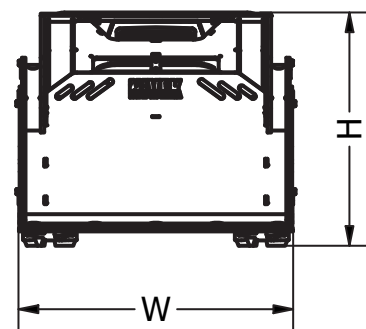
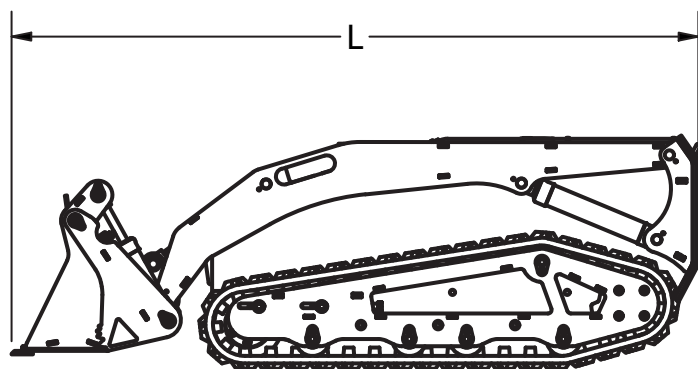
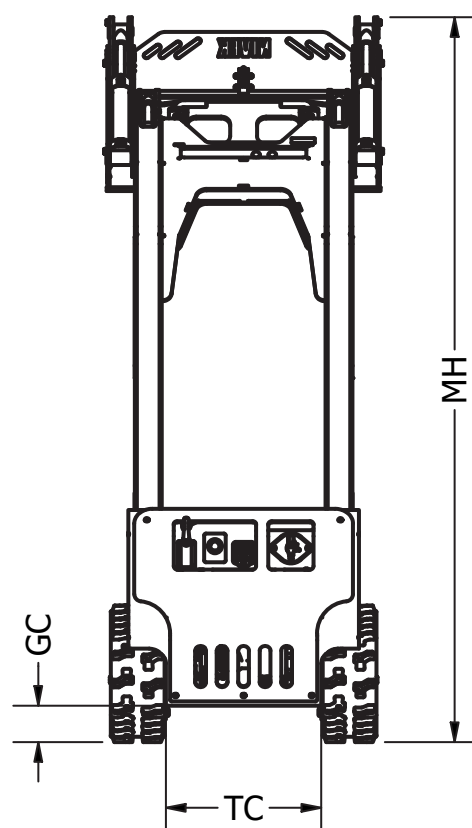
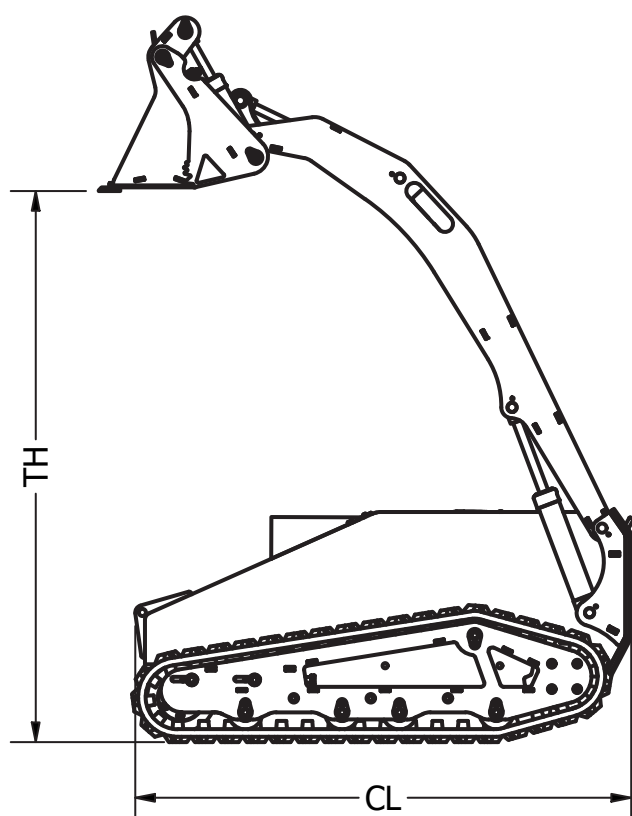
SPECIFICATIONS

Tare weight (kg/lbs)	650 / 1,433
Ground Speed	Proportional control Maximum speed 5kph (3.1mph)
Battery System	Four (4) hot-swappable 48VDC lithium 45.5Ah batteries 9.2kWh battery system
Power Unit	5.2kW 48V electric motor powering two (2) transmission pumps for drive and a dedicated pump for arm function and auxiliary
Drive System	Two (2) independent 100cc orbit motors, AGFO brake and R90 1:3 gearbox drive systems
Radio System	Scanreco G3B remote control system, 2.4Ghz operating frequency
Attachments	50L 4-in-1 bucket as standard Spring loaded locking handles and quick release hydraulic couplers for quick changeout of attachments



DIMENSIONS (MM/INCH)

Total Length (L)	1,915 / 75.4	Ground Clearance (GC)	100 / 3.9
Width (W)	766 / 30.2	Track Clearance (TC)	433 / 17
Height (CH)	650 / 25.6	Tipping Height (TH)	1,535 / 60.4
Chassis Length (CL)	1,382 / 54.4	Max Height (MH)	2,020 / 79.5





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