

# TMAX™

Aluminum  
Service Bodies



Combining the proven strength of the Torq-Isolator system with tried and true design and construction techniques and history of success with both steel and aluminum service bodies to give the market the TMAX™ Aluminum Series of mechanic bodies.

Designed and Manufactured By



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

# STELLAR® TMAX™ ALUMINUM BODIES

The TMAX Aluminum Series is the latest evolution in mechanic service bodies by Stellar Industries. This new series combines the proven crane carrying reliability of the Stellar® Torq-Isolator torsion box with its long standing success in aluminum service bodies. Only Stellar has the unique historical core competencies to successfully bring these two metals together in one mechanics service body.



Since 1993, Stellar has been the industry leader in aluminum tire service bodies to North America's fleet, agriculture, and off-the-road tire service markets. The commitment to building lightweight, yet robust aluminum tire service bodies has allowed Stellar to become the #1 supplier of tire service trucks in North America.

In 2000, Stellar introduced its mechanic service body in the T1, T2 and T3 versions. It featured the revolutionary Torq-Isolator crane compartment and torsion box. The Torq-Isolator crane compartment provides the proven benefit transferring all of the forces of the crane to the chassis frame and stabilizer legs, not through the sidepack compartments.

Stellar also introduced aluminum double-panel doors to the market in 2011. This advancement proved that aluminum construction could be both lightweight yet durable when utilizing superior design and construction techniques.

Now, in 2017, Stellar is combining the proven strength of the Torq-Isolator system with tried and true design and construction techniques and history of success with both steel and aluminum service bodies to give the market the TMAX™ Aluminum Series of mechanic bodies. The steel Torq-Isolator crane compartment and torsion box divert the crane loading forces away from the advanced aluminum sidepacks and tasks them with simply carrying the tools and equipment inside.

The aluminum side-pack design features 1/8" high strength aluminum floors and walls. Stellar has the experience with aluminum construction to properly form, connect, weld, and support each compartment to maximize strength and tool storage capabilities.

The TMAX Aluminum body also features the industry's first aluminum extrusion compartment top. The extruded top is formed of high strength aluminum and features two built-in accessory mounting rails that eliminate the need to drill holes in the compartment tops to mount equipment. The advent of the built-in accessory mounting rails make mounting and relocating accessories a breeze. This rail system also greatly reduces the chance of water intrusion into the compartments. The extruded top also incorporates wire harness channels inside the compartments for easy installation and to keep wires out of the way.

## Stellar TMAX™ Aluminum Weight Comparison

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TMAX 1-11 Aluminum:

Weight – 3,050 lbs

780 lbs less than comparable body with steel side packs and aluminum doors

980 lbs less than comparable body with steel side packs and doors

TMAX 2-11 Aluminum:

Weight – 3,695 lbs

865 lbs less than comparable body with steel side packs and aluminum doors

1,065 lbs less than comparable body with steel side packs and doors

TMAX 2-14 Aluminum:

Weight – 3,980 lbs

1,110 lbs less than comparable body with steel side packs and aluminum doors

1,440 lbs less than comparable body with steel side packs and doors

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The Best Features in the Industry are Standard on Every Stellar® Model TMAX™ 1 & TMAX™ 2 Aluminum Service Body.

- Extruded top with accessory mounting rail.
- The crane pedestal / compartment is constructed of steel material capable of handling the robust lifting capacity of Stellar cranes, including Stellar® CDTplus™ equipped cranes. This provides the same storage space as other non-reinforced compartments.
- The rotating masterlock system soundly secures each door, and accepts your padlock of choice to protect your valuable tool supply.
- Exterior mounted light box provides maximum protection for the lights yet minimizes intrusion into the compartments.
- Grab handle assists in safety while climbing up and down.
- Slide out step.
- Workbench surface bumper, with recess for pintle hitch.



Stainless steel billet style hinge has hidden fasteners and a rugged 5/16" stainless steel rod. All combined to stand up to years of heavy use.



3-Point compression latches positively compress compartment weather strip for weather tightness while allowing easy access.



Double spring over center door closures on all vertical doors keeping door in positive open or closed position.



Heavy-duty aluminum drawer system. Rated to hold up to the rigors of heavy-duty use. 500 lb capacity drawer slides and hardware, carry a full lifetime warranty.



• The Stellar TMAX Aluminum mechanic service body uses a roller type boom support that mounts to the accessory mounting rail. The roller boom support helps to center the crane boom when stowing.

• Bodies are finished with two-part polyurethane enamel.

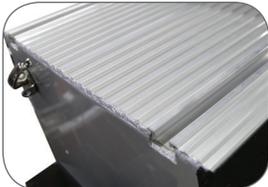
• For reduced truck weight and added corrosion protection, the doors are made of 5000 series aluminum and feature a two-panel design with a mechanically and chemically bonded internal hat channel to offer ultimate strength and greater resistance to bending.

• Side packs are constructed of 1/8" aluminum with highly engineered forming, welding, connecting and supporting techniques to give superior tool carrying capability.

• Every Stellar mechanic service body features our Torq-Isolator crane support design and isolates the crane compartment from the rest of the side pack. Lifting stresses are transferred to the stabilizers and box-type subframe, not the compartment doors.



Encased in a nylon braided loom, the standard electrical wiring harness used by Stellar covers all functions, and features the use of weather-tight connectors. Wiring is labeled every 6 inches for identification



Side pack tops utilize the Stellar exclusive extruded aluminum top. It has two accessory mounting rails to eliminate drilling and makes mounting and relocating accessories easy and secure.



Full width longbar storage compartment integrated into the rear workbench bumper. Removable vise pedestal is standard.



1/8 inch aluminum double panel tailgate with hinged arm brackets to provide a stout working surface.

# STELLAR® TELESCOPIC SERVICE CRANES



- Planetary winch provides up to 60' per minute single line speed.
- Hexagonal booms are stronger and eliminate boom flex and side to side movement.
- 2-stage hydraulic extensions, **No** manual extensions (Optional on 3315 - 6521, standard on 7621 and up).
- 21' to 30' of hydraulic reach depending on model.
- Dual acting counter balance valves integrated into cylinders.
- Quick release stow hook.
- External wear pads. No pulling the boom section out to replace the pads.
- Up to 400° power rotation.
- Market leading boom articulation. The Stellar CDTplus cranes offer -10 degrees to +80 degrees. This gives the operator both easy reach for snatch block stowing and the best ability to load items onto the load bed.
- Proportional and multifunctional radio remote control, provides ultimate control of crane, without cumbersome cords. (Pendant control back-up cord is provided)



## Stellar® CDTplus™ (Crane Dynamics Technology Plus™)

A proprietary collection of revolutionary features that includes a two-way communication and feedback feature, a crane boosting feature, and an enhanced safety-monitoring feature.



- The CDTplus™ system is the first radio transmitter in the industry to offer real time capacity feedback to the operator. Using a unique 2-color LCD screen, the Stellar® CDTplus™ handheld remote will show actual load, reach, angle and also additional reach possible with the current load.

- Through the use of proprietary technology, the Stellar® CDTplus™ system can also allow operators who exceed standard capacity to productively operate through that situation by increasing crane capacity to 118% of its normal operating capacity for a short period of time.
- Stellar® CDTplus™ equipped cranes feature an enhanced safety system. If a device intended to monitor the capacity of the crane operates incorrectly, the crane will put itself into safe mode. Safe mode will allow the operator to work with the crane at a reduced speed until the safety device is in proper working order.



## Stellar® E-Link Control System

The Stellar® E-Link Control system is a robust design meant to handle the rigors our industry demands. It also offers a multi-color backlit design for easy viewing in low light conditions, and is IP67 rated to resist dust and moisture interference.

(Available with Stellar® CDTplus™ only on cranes 7621 and larger)



## Flip Sheave with Bar Style Activation

The standard two-part line position allows for better cable location when making lifts at a high boom angle, such as loading into the truck bed. It keeps the wire rope further from the boom and prevents rubbing.

The new Flip Sheave low profile position, designed for the single-part line configuration, is beneficial when lifting something in a tight location, such as inside a cab or under a hood. The low profile configuration creates more room to lift the load and position loads in limited height areas.

Available on telescopic crane models 7621 and up.



Standard Position



Low Profile Position

## Available Cranes

Model	Crane Rating	Boom Length*	Max Reach*	Lifting Capacities	Power Supply
<b>4421</b>	16,000 ft-lbs (2.23 ton-m)	11' (3.35m)	21' (6.40 m)	4,000 lbs @ 4' (1,814 kg @ 1.22 m) 760 lbs @ 21' (345 kg @ 6.40 m)	PTO 3.0 gpm @ 2600 psi 12 volt power E/H (Optional)
<b>5521</b>	29,500 ft-lbs* (4.1 ton-m)	11' (3.35 m)	21' (6.40 m)	5,000 lbs @ 5' 10" (2,268 kg @ 1.78 m) 1,400 lbs @ 21' (635 kg @ 6.40 m)	PTO 8 gpm @ 2500 psi
<b>6521</b>	35,000 ft-lbs* (5.3 ton-m)	11' (3.35 m)	21' (6.40 m)	6,000 lbs @ 5' 10" (2,722 kg @ 1.78 m) 1,680 lbs @ 21' (762 kg @ 6.40 m)	PTO 8 gpm @ 3000 psi
<b>7621</b>	44,840 ft-lbs* (6.20 ton-m)	11' (3.35 m)	21' (6.40 m)	7,500 lbs @ 5'10" (3,402 kg @ 1.78 m)* 2,135 lbs @ 2' 1" (965 kg @ 6.40 m)*	PTO 8 gpm @ 3000 psi
<b>7630</b>	44,840 ft-lbs* (6.20 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	7,500 lbs @ 5' 10" (3,402 kg @ 1.78 m)* 1,490 lbs @ 30' (675 kg @ 9.14 m)*	PTO 8 gpm @ 3000 psi
<b>9621</b>	70,800 ft-lbs* (9.79 ton-m)	11' (3.35 m)	21' (6.40 m)	9,000 lbs @ 7' 10" (4,082 kg @ 2.39 m)* 3,365 lbs @ 21' (1,525 kg @ 6.40 m)*	PTO 8 gpm @ 2500 psi
<b>9630</b>	70,800 ft-lbs* (9.79 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	9,000 lbs @ 7' 10" (4,082 kg @ 2.39 m)* 2,360 lbs @ 30' (1,070 kg @ 9.14 m)*	PTO 8 gpm @ 2500 psi
<b>10621</b>	70,800 ft-lbs* (9.79 ton-m)	11' (3.35 m)	21' (6.40 m)	10,000 lbs @ 7' (4,536 kg @ 2.13 m)* 3,365 lbs @ 21' (1,525 kg @ 6.40 m)*	PTO 8 gpm @ 3000 psi
<b>10630</b>	70,800 ft-lbs* (9.79 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	10,000 lbs @ 7' (4,536 kg @ 2.13 m)* 2,360 lbs @ 30' (1,070 kg @ 9.14 m)*	PTO 8 gpm @ 3000 psi
<b>12621</b>	77,800 ft-lbs* (10.76 ton-m)	11' (3.35 m)	21' (6.40 m)	12,000 lbs @ 6.5' (5,443 kg @ 1.96 m)* 3,705 lbs @ 21' (1,680 kg @ 6.40 m)*	PTO 8 gpm @ 3000 psi
<b>12630</b>	77,800 ft-lbs* (10.76 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	12,000 lbs @ 6.5' (5,443 kg @ 1.96 m)* 2,590 lbs @ 30' (1,175 kg @ 9.14 m)*	PTO 8 gpm @ 3000 psi

\* With Stellar® CDT™ and CDTplus™ boost mode. See technical specification brochure or manual for each specific model.

## Stellar Exclusive Service Bodies

Model	GVWR	Crane Models	Cab to Axle	Length	Height	Comp. Depth	Floor Width
<b>TMAX1™ Aluminum</b>	16,000 – 19,500 (19.5 tire size)	4421, 5521, 6521, 7621, 7630	60"-84" (152-213 cm)	109"-133" (276-338 cm)	52" (132 cm)	22" (56 cm)	50" (127 cm)
<b>TMAX2™ Aluminum</b>	19,500 and up (22.5 tire size)	7621, 7630, 9621, 9630, 10621, 10630, 12621, 12630	84"-120" (213-305 cm)	133"-169" (338-429 cm)	60" (152 cm)	22" (56 cm)	50" (127 cm)

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