



Car Transporter



Car Transporter Semi Trailer

Two Axle / Six Car Capacity

Date introduced

July 30, 2024

Revolutionizing Car Transport

Efficiency, performance, and reliability redefined.

The 2-Axle Car Transporter Semi-Trailer is engineered to move vehicles with effortless precision, maximum safety, and intelligent adaptability. Whether it's a luxury sedan or a high-performance sports car, this trailer delivers a seamless transport experience, every time.

Chassis & Structural Integrity

Built for Strength. Designed for Longevity.

At its core, a high-strength S355J2+N steel chassis, hot-dip galvanized for exceptional durability. Advanced high-tech welding ensures a frame that is tough, yet lightweight, designed to handle the road with confidence.

Smart Hydraulic System

Effortless Adaptability. Maximum Control.

Experience seamless precision with advanced hydraulic technology. Advanced hydraulics deliver seamless precision with adjustable platforms, a 80-degree lift, powerful winches, and intuitive control for effortless operation.



Precision Engineering at Every Turn

Axles & Suspension: 10 Tonnes capacity TRAX, Gigant, Saf or BPW drum axles, air suspension, and International-compliant drum brakes for superior control.

Advanced Electrical System

Illumination. Safety. Connectivity.

- Fristom LED Dynamic Stop Lights, 2x7-pin sockets, and NATO-standard 24V connectivity.
- Smart signaling system, including rear safety warning lamps and high-visibility LED indicators.
- Integrated night LED lighting, enhancing visibility in all conditions.

Intelligent Control Power Management

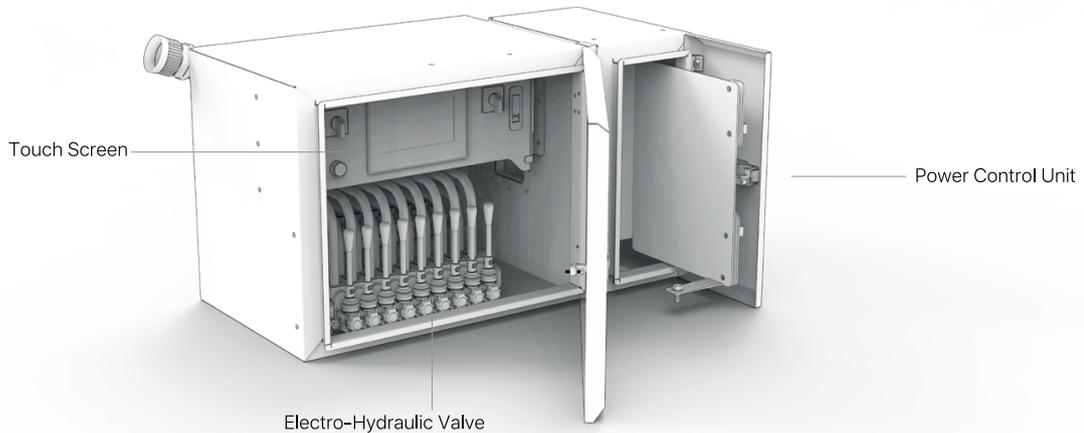
Precision Control. Seamless Operation.

- Bucher Powerpack 4.3kW system, featuring a 70L oil tank, PLC-controlled Tele-Radio remote, and intelligent hydraulic management.
- Seamless precision with STU Control Software. Effortless remote assistance, adaptive settings, and total control at your fingertips.

**Not just a trailer, an evolution in transport technology.
Built for strength. Engineered for precision. Designed for you.**

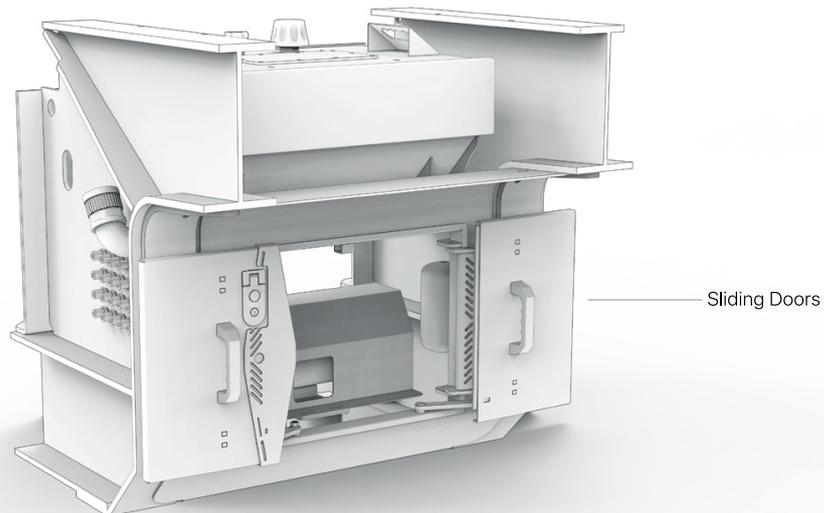


Innovation, reimagined.



Seamless Control. Ultimate Performance

A whole new user experience, redefined. Fully electronic hydraulic valve. Precision remote control. An intuitive touch display. All powered by an advanced Power Control Unit.

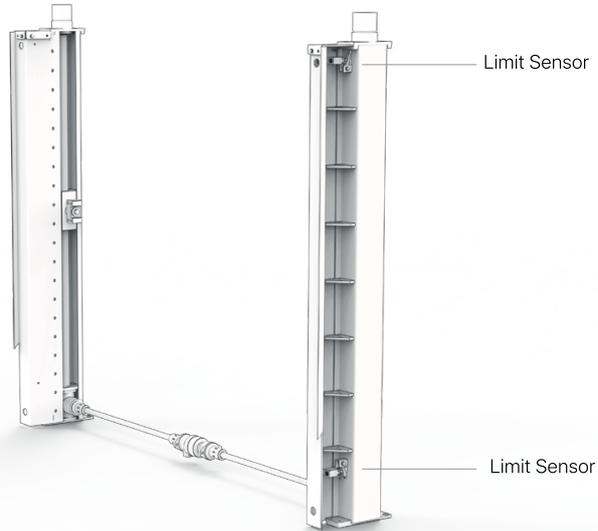


Slide. Access. Maintain.

Effortless access, anytime. The side-sliding power unit covers give you the space you need even when attached to a tractor. With the oil tank, filter maintenance, powerpack maintenance and connection hub all in one place, servicing has never been this easy.

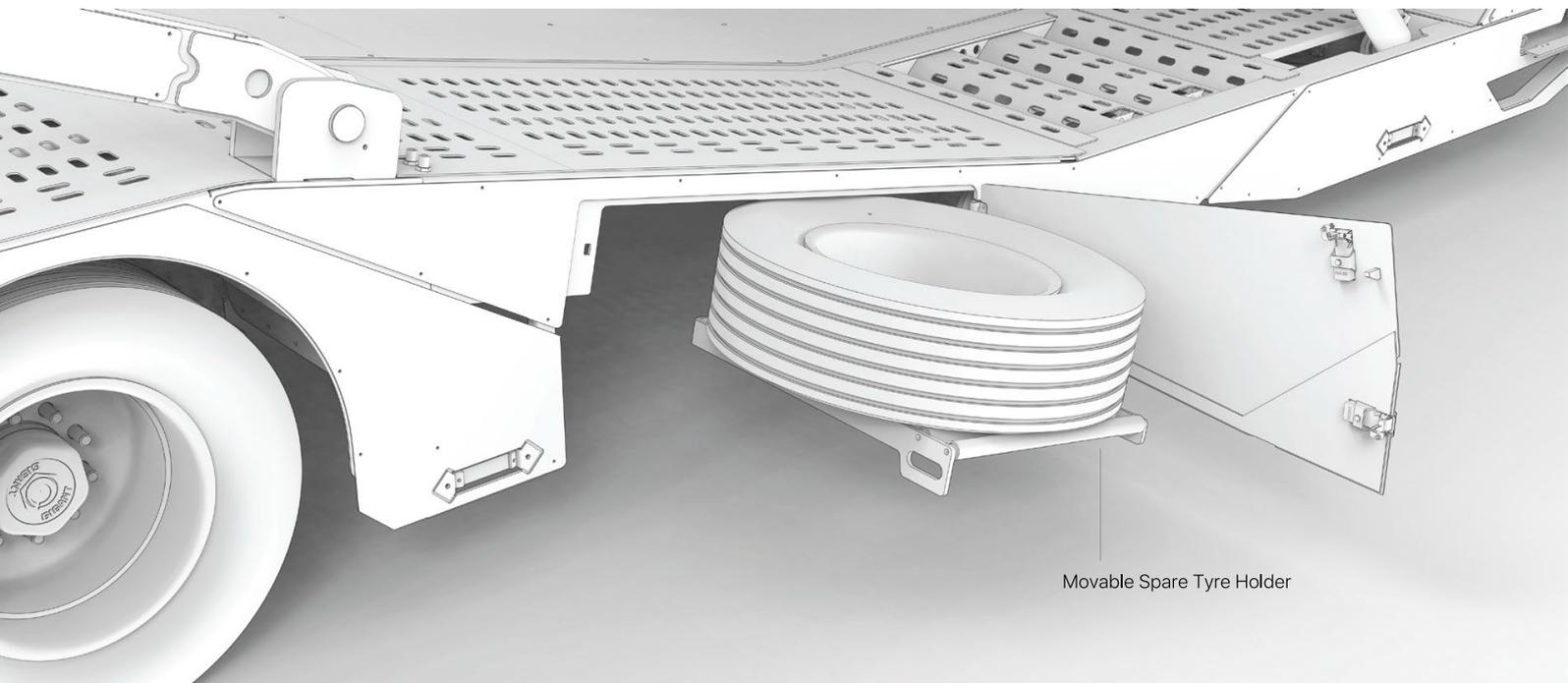


Innovation, reimagined.



Next-Level Safety. Zero Compromise.

Advanced electronic safety, built for protection. Your platforms and spindle system stay secure, shielded from strain and unexpected risks. Working for you, every second. So you can focus on what truly matters.

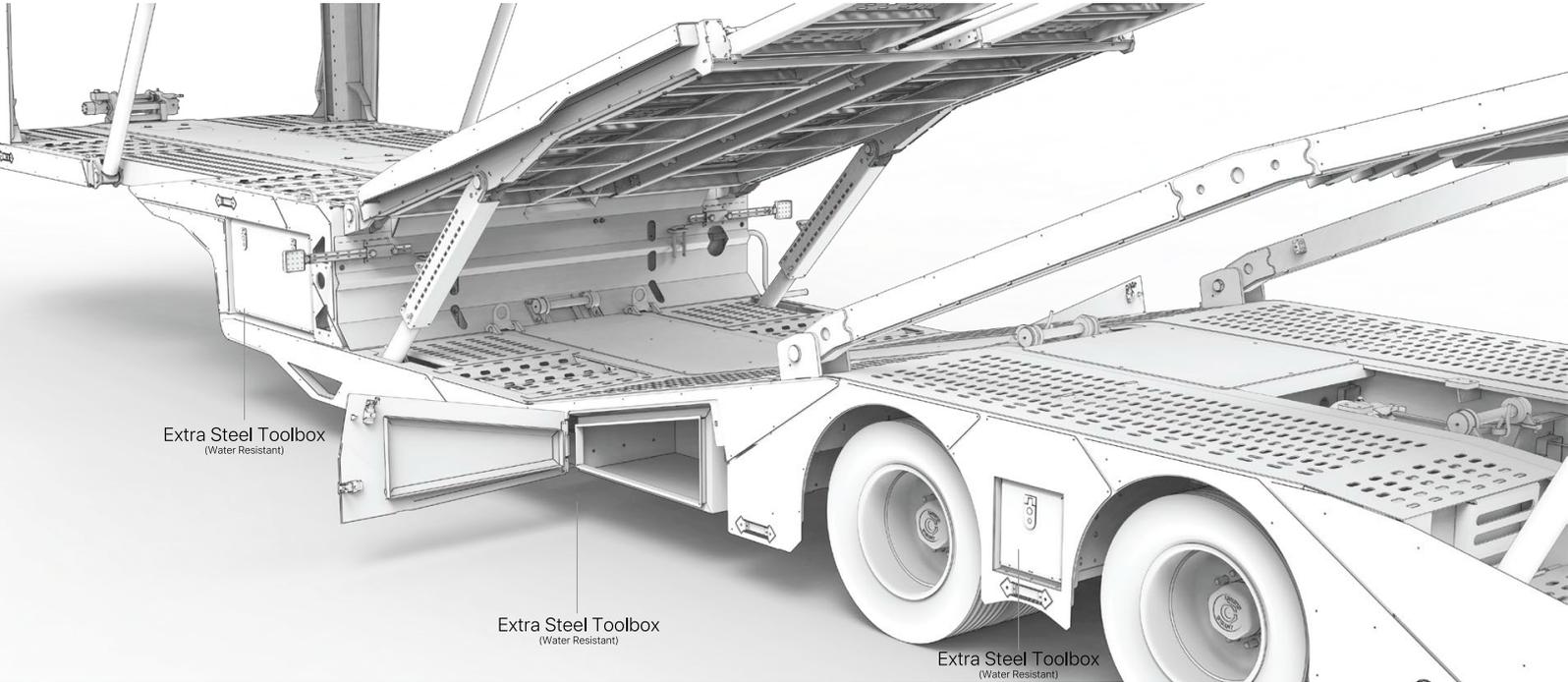


Always Within Reach

Changing a tire on tough roads? Now effortless. A seamlessly designed access panel and smart moving mechanisms ensure your spare tire is always within reach. Less effort, more comfort. Because every journey should be smooth.

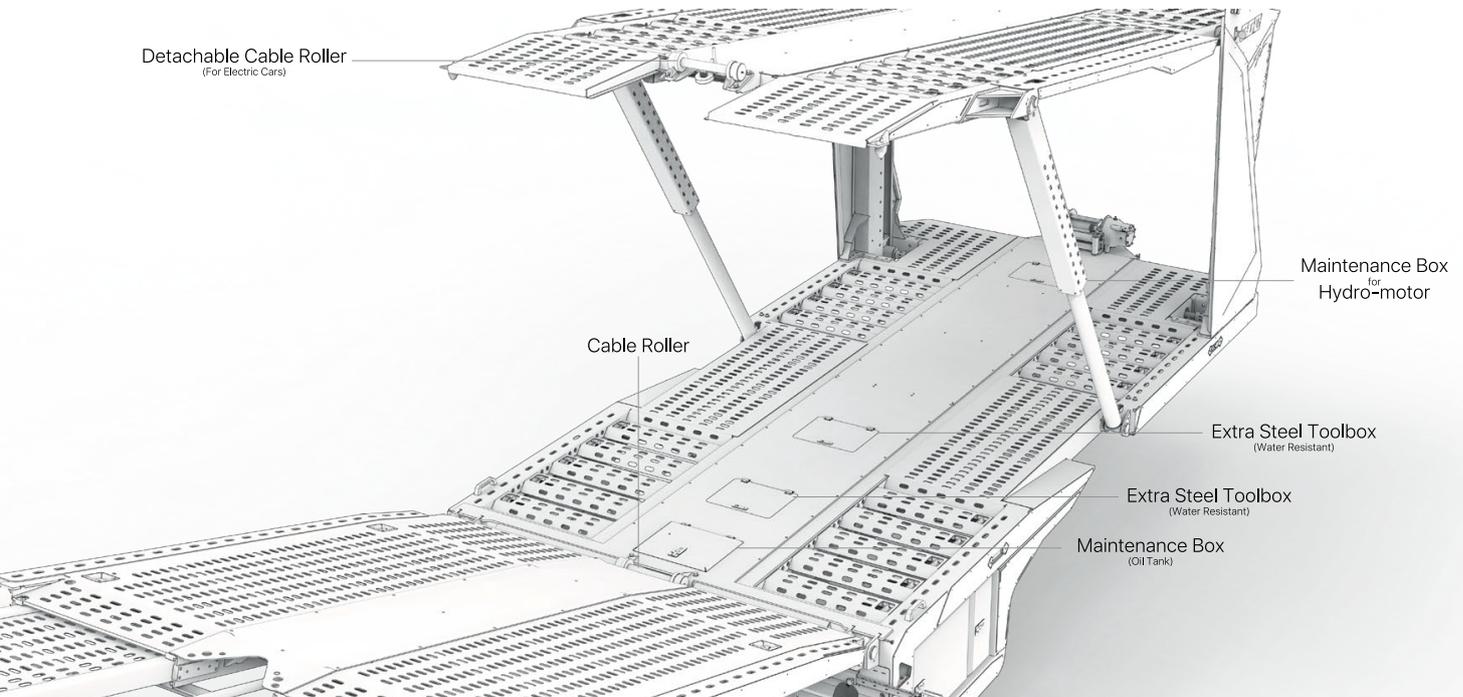


Innovation, reimagined.



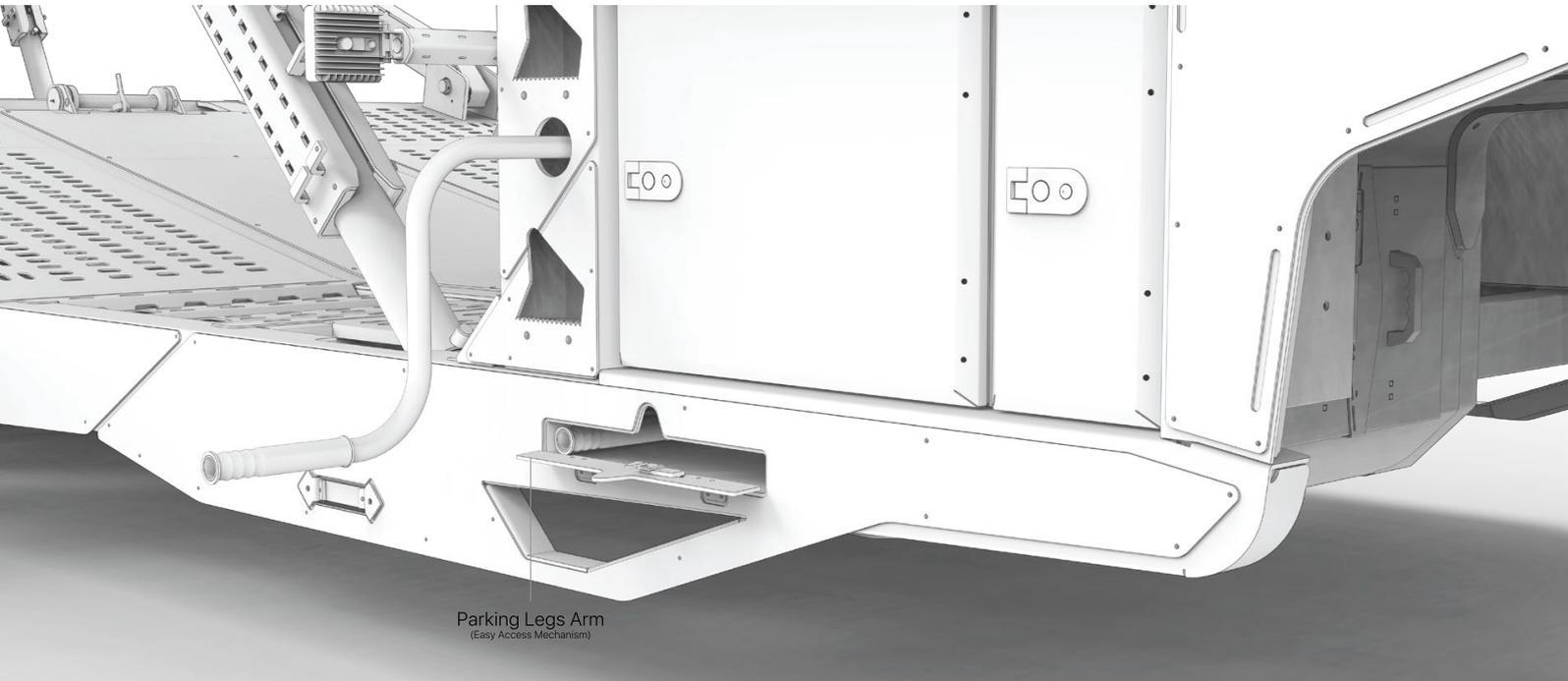
Tough. Reliable. Always Ready.

Secure. Durable. Always Ready. Water-resistant steel storage keeps your essentials safe in any condition.



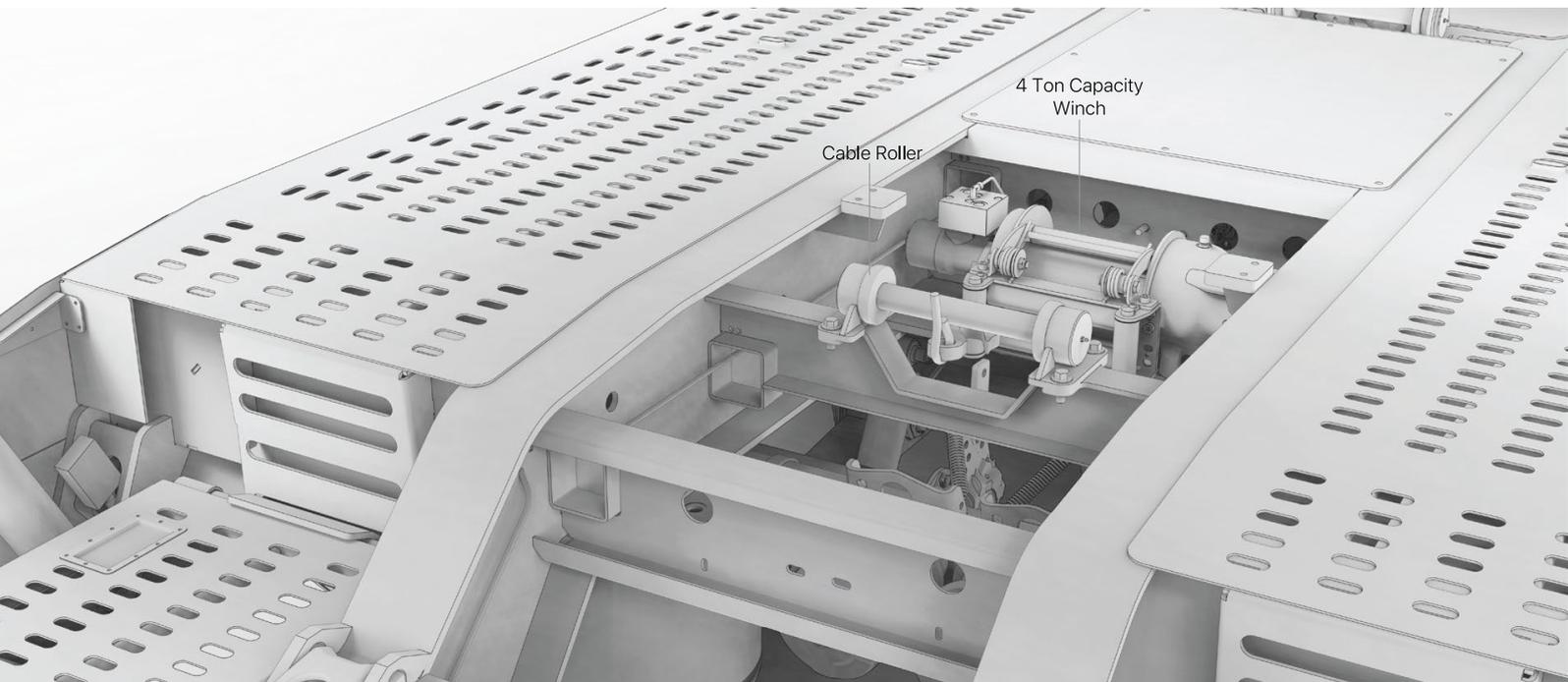


Innovation, reimagined.



Precision in Every Move

Smart details that make a difference. The parking leg lever locks into place securely when not in use. And thanks to the automatic push mechanism, releasing it feels effortless, maybe even a little satisfying.

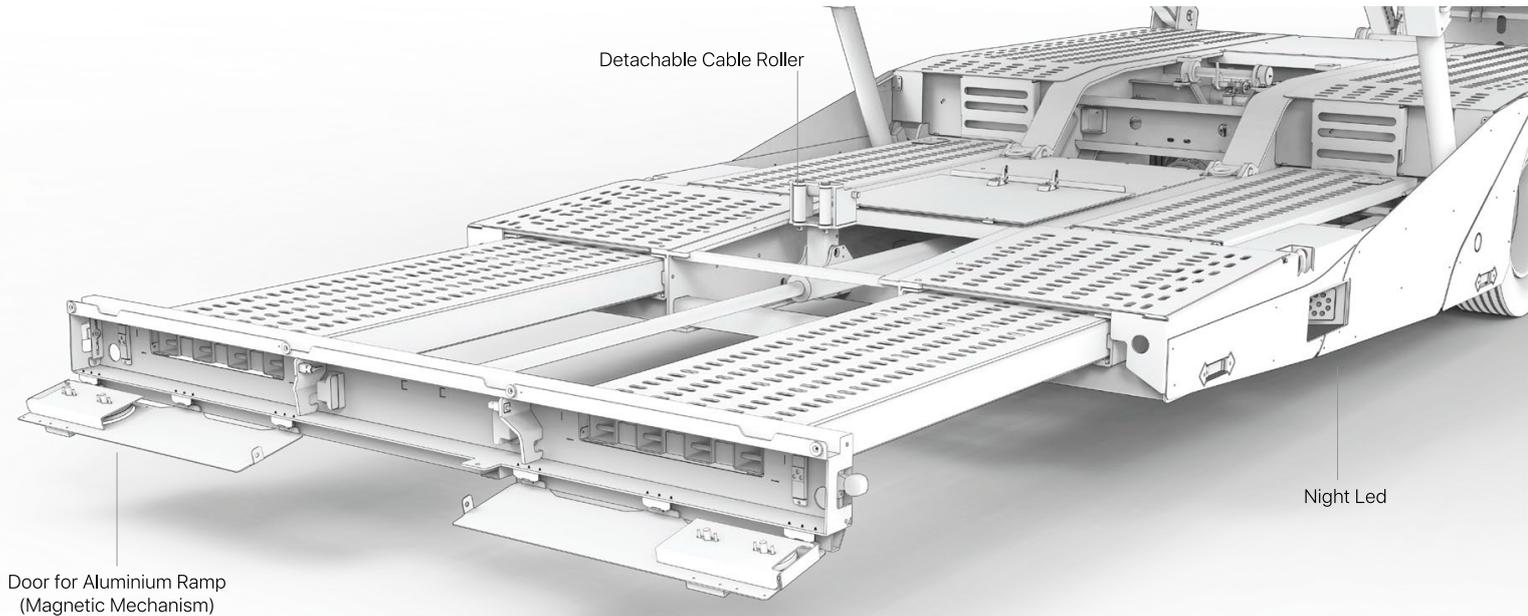


Load with Confidence. Work with Ease.

With bearing-equipped rope guides and powerful hydraulic winches at the front and rear, getting your vehicles onto the trailer is nearly effortless. Save time. Work smarter. Let innovation move you forward.

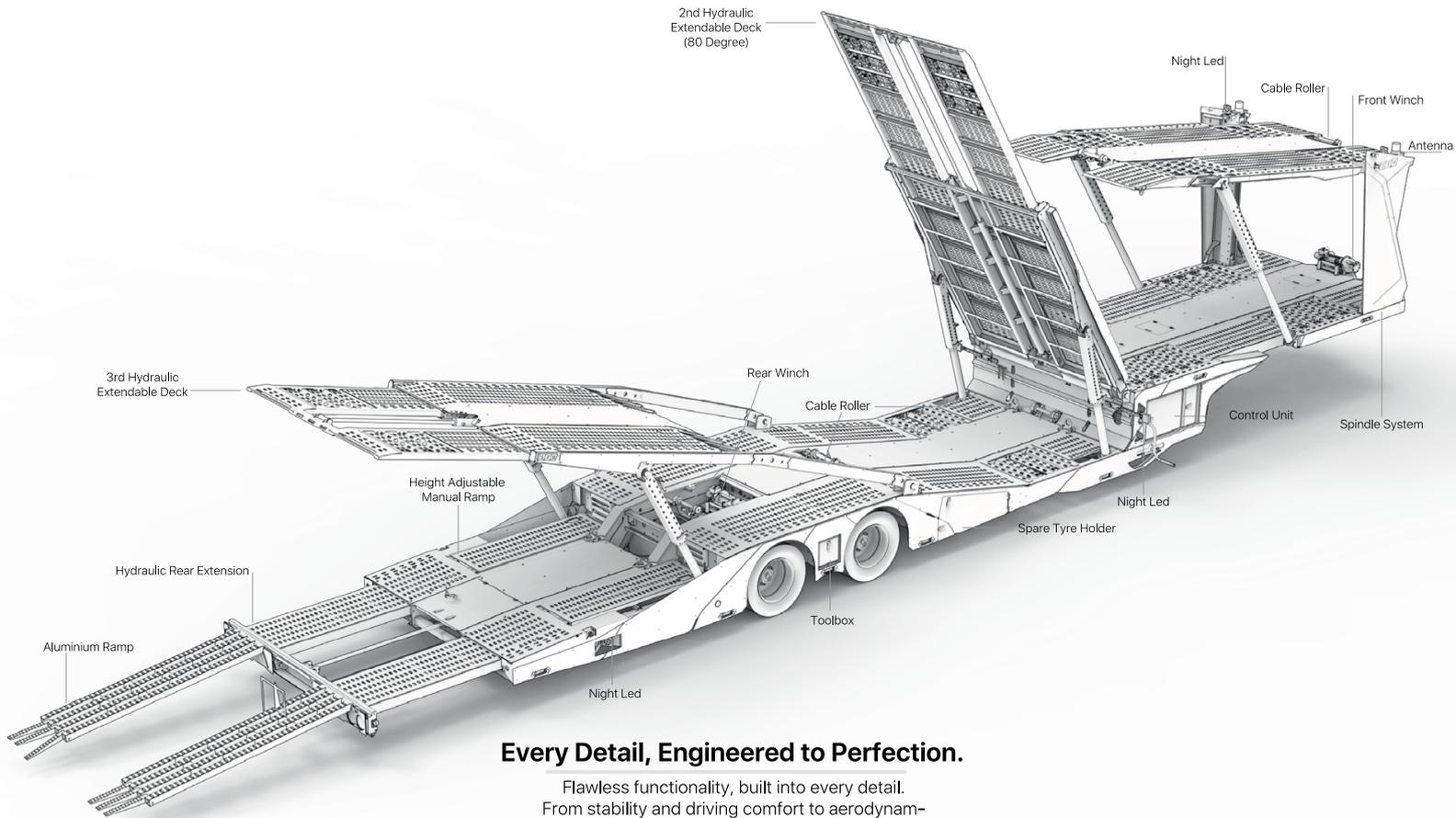


Innovation, reimagined.



Smarter Solutions. Smoother Workflow.

Smart features. Effortless operation. Magnetic rear ramp covers open smoothly, while adjustable winch rope guides ensure precision. Powerful lighting illuminates every workspace for night operations. And with intelligent add-ons designed to anticipate your needs, everything is right where you need it—before you even ask.

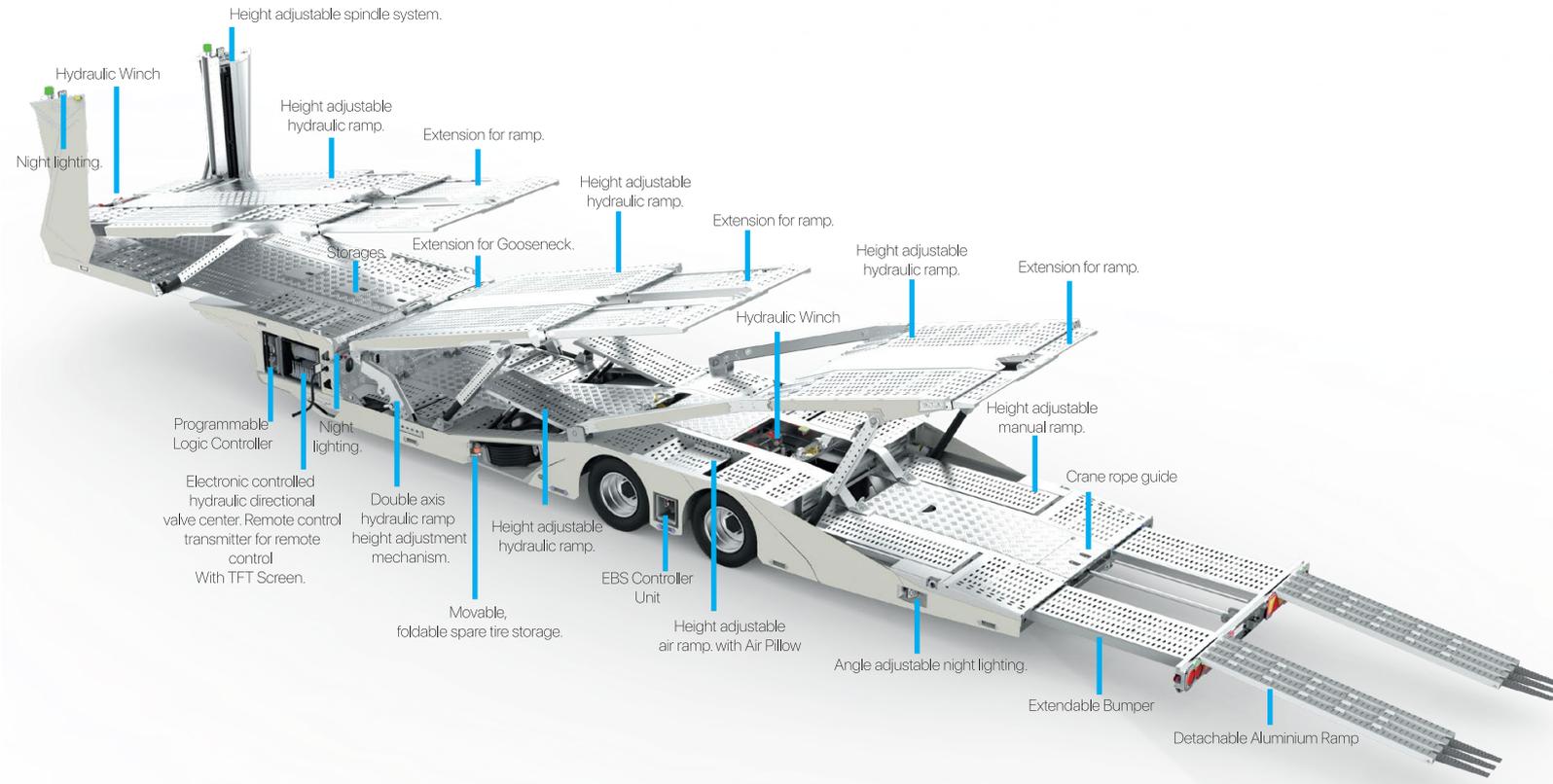


Every Detail, Engineered to Perfection.

Flawless functionality, built into every detail. From stability and driving comfort to aerodynamics and seamless loading, technology is at the heart of every move.

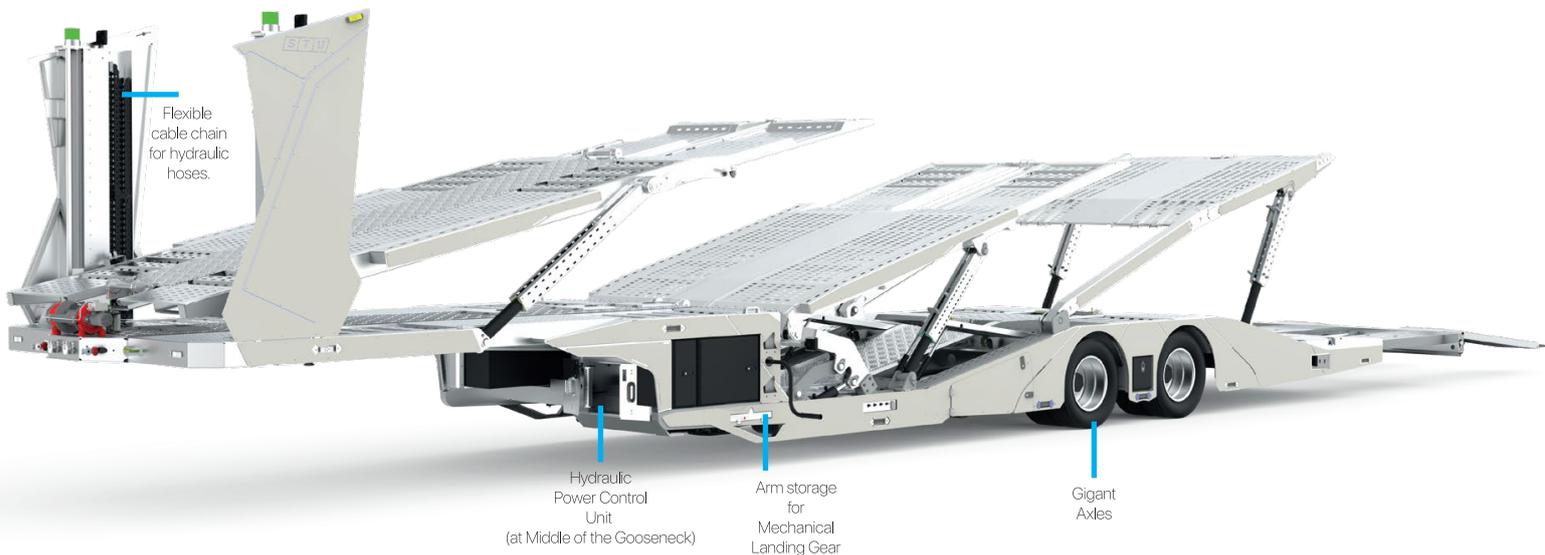


Options? You've got them.



Your needs. Your vision. Your way. The perfect vehicle, tailored just for you.

Your imagination is the only limit. Customization and options are always here for you—ready to adapt, evolve, and become exactly what you envision. Just share your needs, your dreams, and we'll turn them into reality. The perfect vehicle, built just for you, exactly the way you want it.



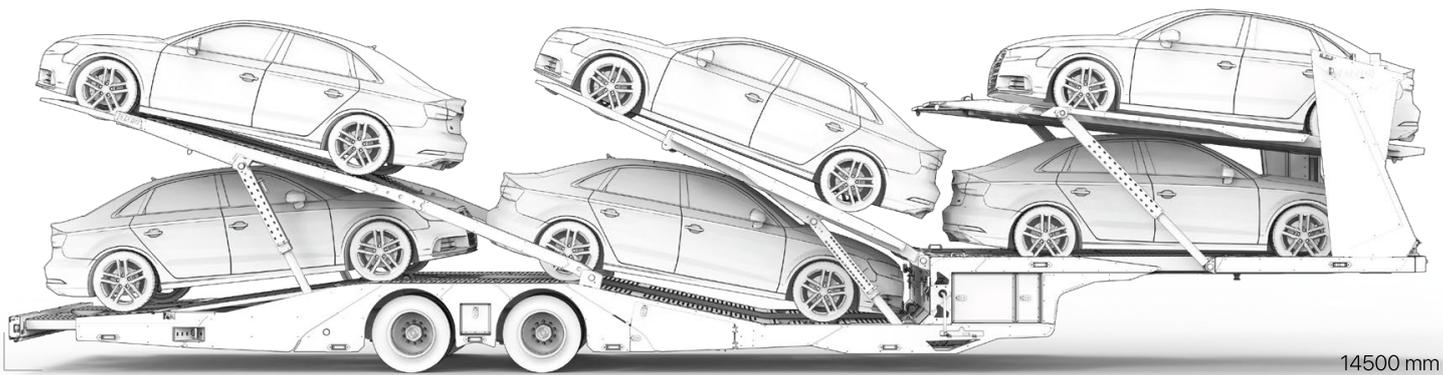


Any segment. Any vehicle.
Or maybe... all of them.

Segment - C

Medium Family Car

Audi A3 Sedan



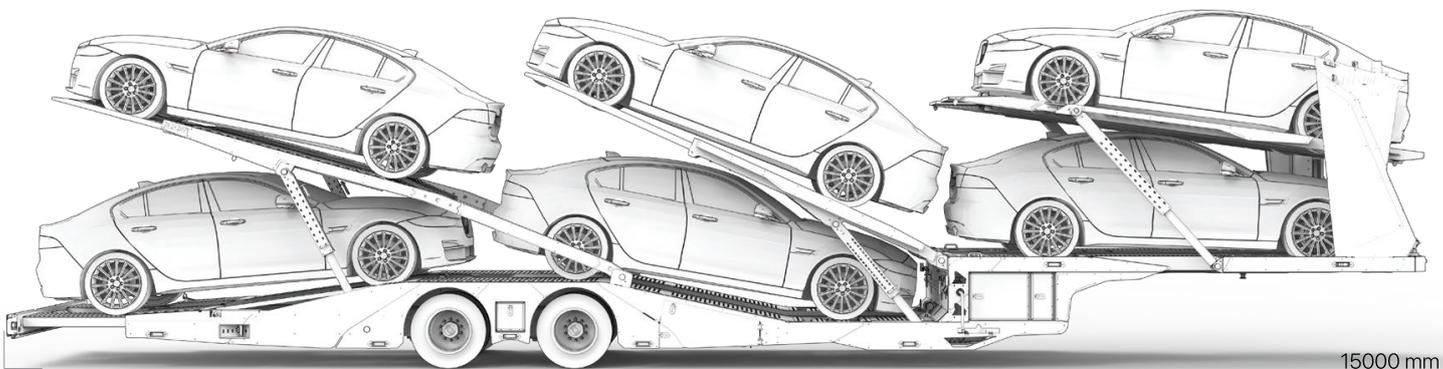
14500 mm

3730 mm

Segment - D

Medium Executive Car

Jaguar XE



15000 mm

3800 mm

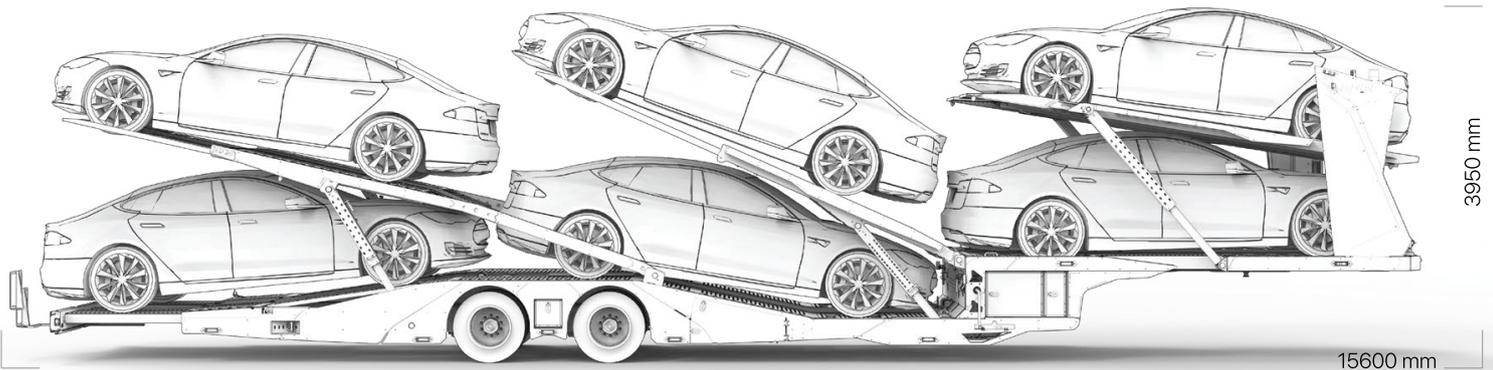


**Any segment. Any vehicle.
Or maybe... all of them.**

Segment - E - Electric Car

Executive Car

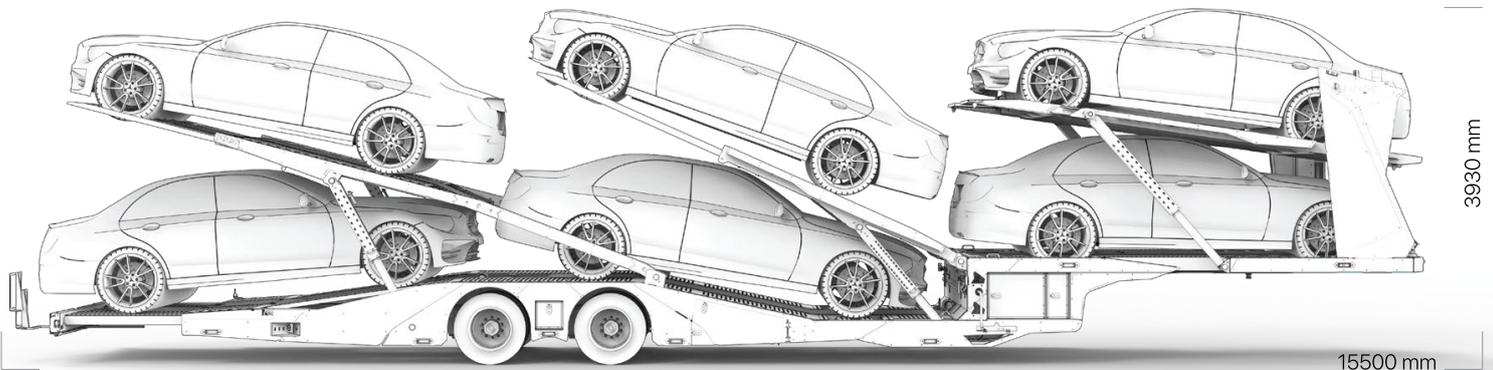
Tesla Model S



Segment - E

Executive Car

Mercedes E200



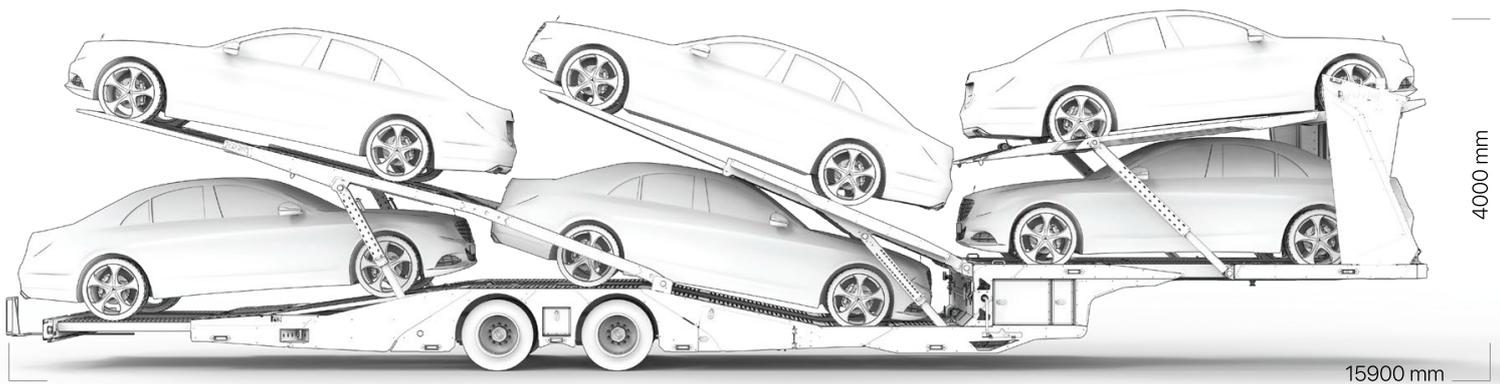


Any segment. Any vehicle.
Or maybe... all of them.

Segment - F

Luxury Car

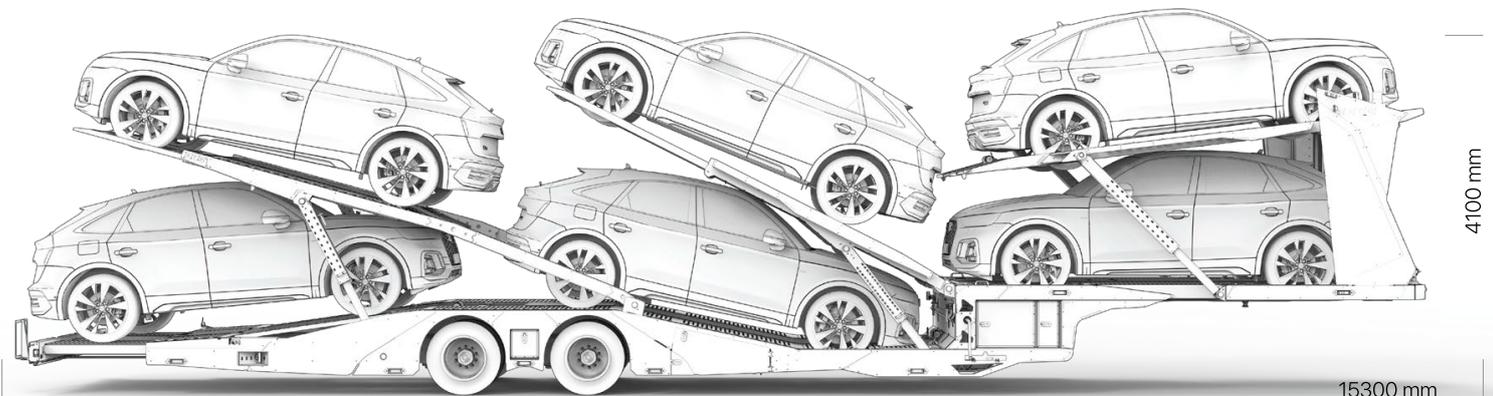
Mercedes S600



Segment - J

Medium SUV

Audi Q5



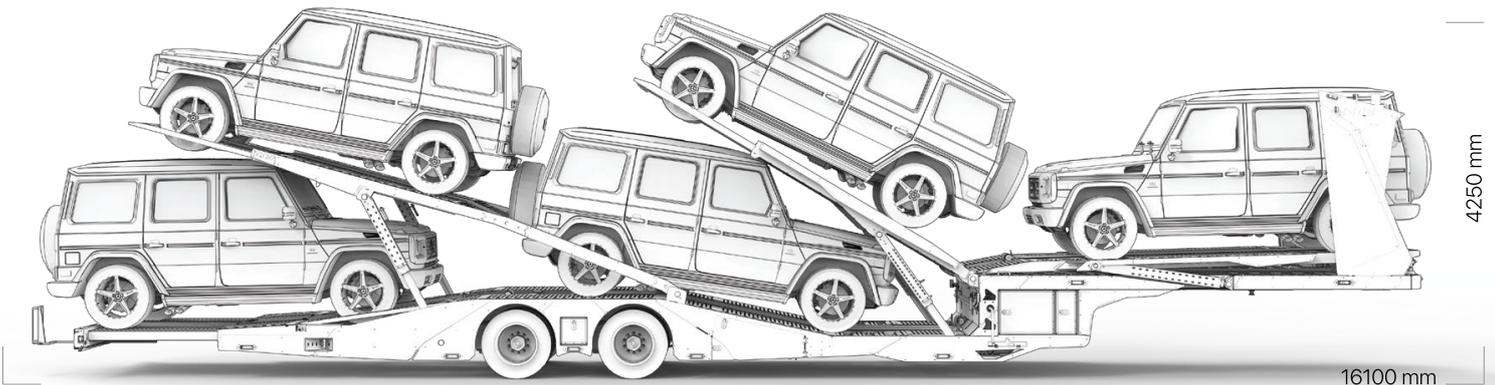


**Any segment. Any vehicle.
Or maybe... all of them.**

Segment - J

Large SUV

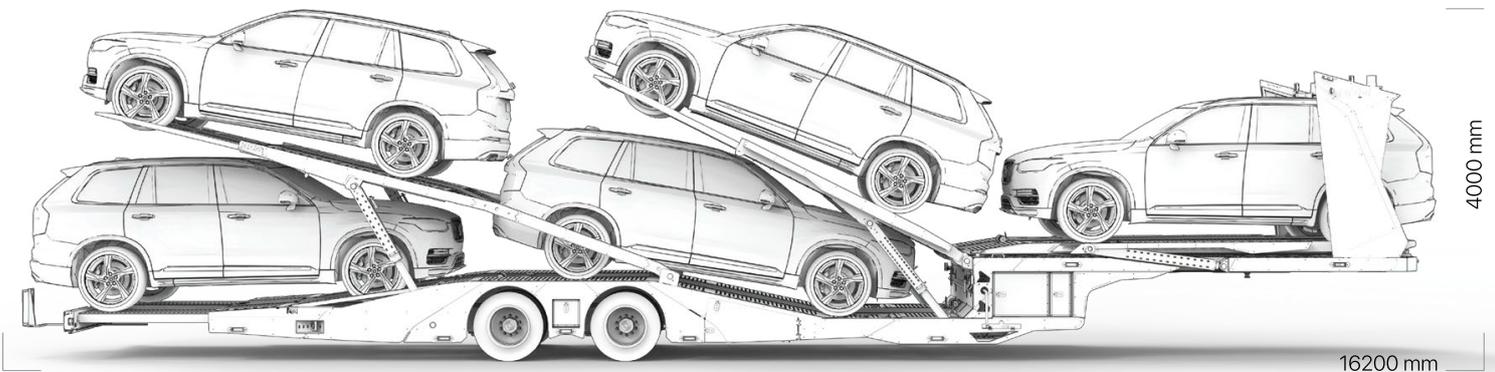
Mercedes AMG G63



Segment - J

Large SUV

Volvo XC90



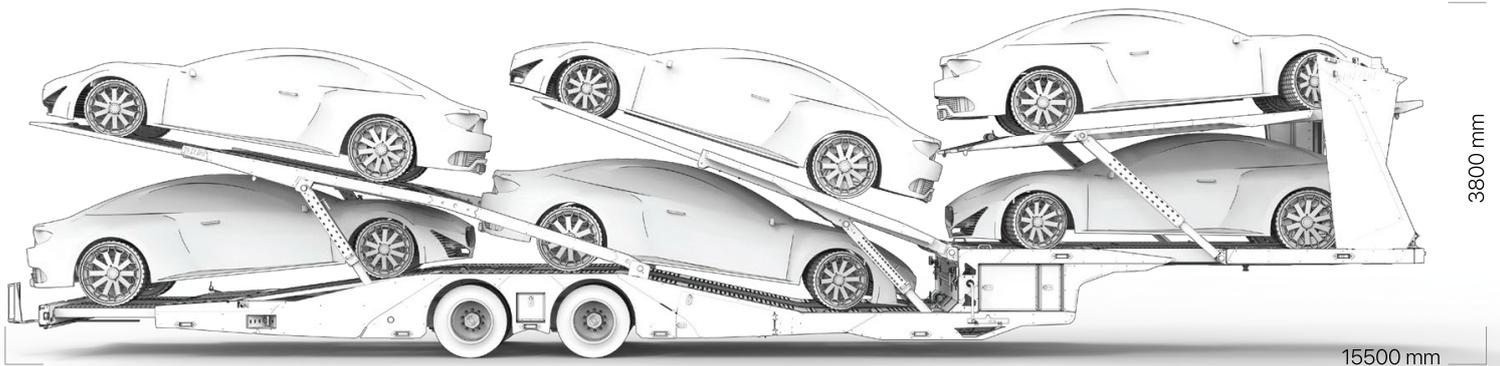


Any segment. Any vehicle.
Or maybe... all of them.

Segment - S

Sports Car

Maserati GranTurismo

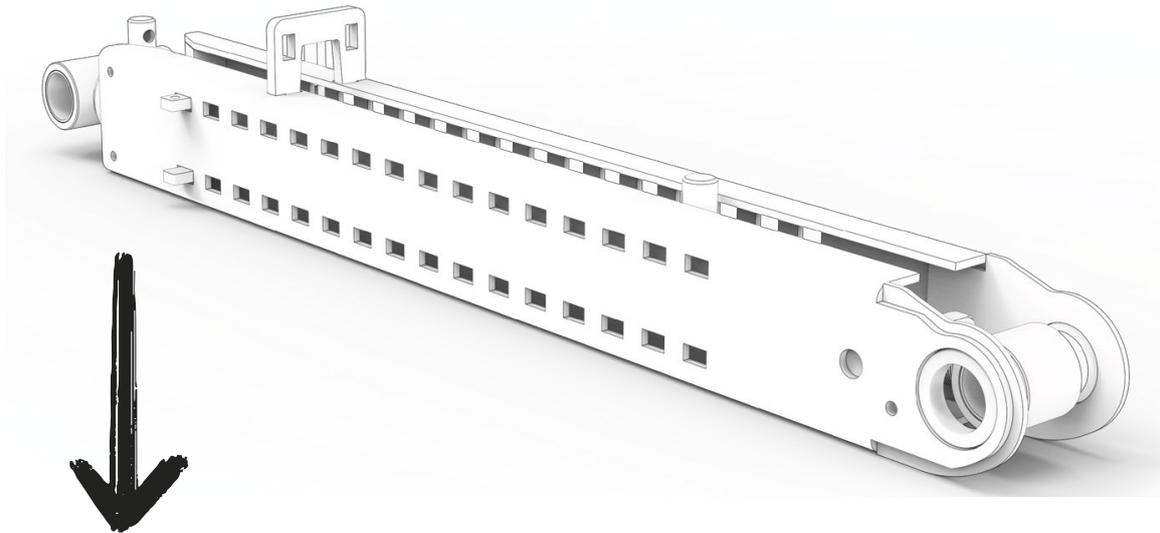




What's New On Your Trailer?

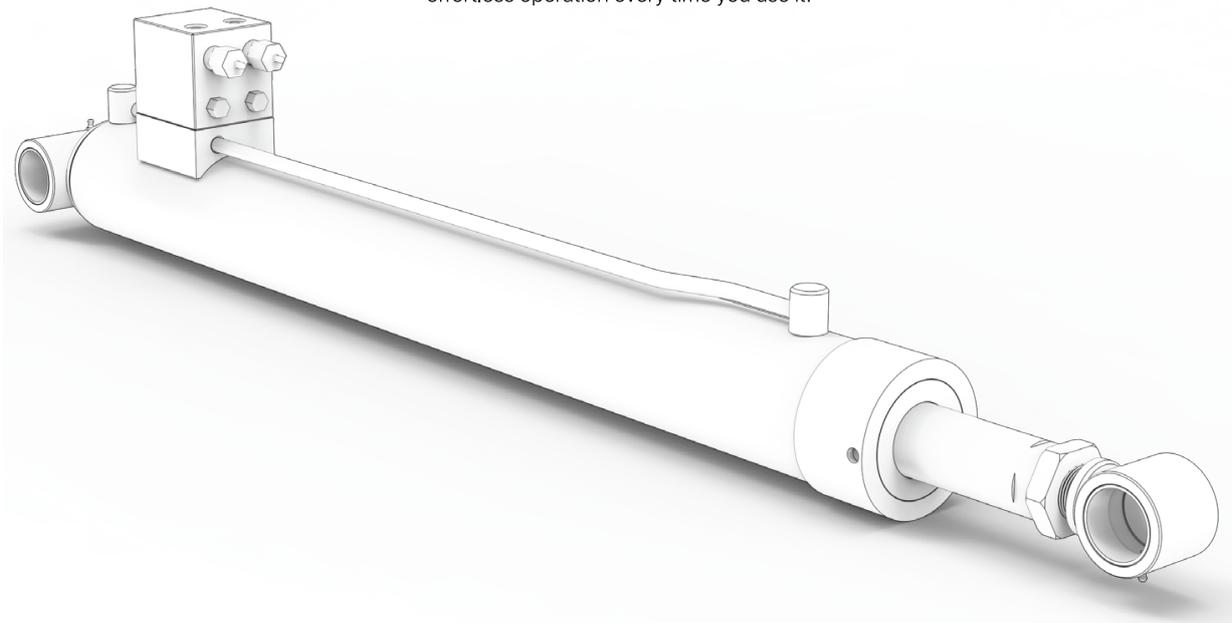
Refined. Enhanced. Elevated.

We revisited every detail, fine-tuned what mattered, and introduced thoughtful new capabilities designed to make your experience smoother, faster, and more intuitive.



We've upgraded the system for a smoother, safer experience.

Our mechanically-locked hydraulic cylinder has been replaced with a new dual-safety hydraulic valve architecture. The result: enhanced reliability, fewer manual steps, and a noticeably more effortless operation every time you use it.





What's New On Your Trailer?

Refined. Enhanced. Elevated.

We revisited every detail, fine-tuned what mattered, and introduced thoughtful new capabilities designed to make your experience smoother, faster, and more intuitive.



VEHICLE LIGHTING MANUFACTURER



Lighting, redefined.

Our previous Fristom trailer lighting system has been replaced with a full Aspöck lighting suite delivering improved durability, cleaner design, and brighter, more consistent illumination in every condition.



A quieter, cleaner, more confident hydraulic system.

With the shift from Rakorsan to Hansa-Flex fittings, every connection is now built to seal more securely and perform more consistently under real-world conditions.



Control, elevated.

Our GMS electro-hydraulic valves have been replaced with next-generation Walvoil units. Their compact architecture and exceptional stability work together to deliver a noticeably smoother, more refined operating experience.



Technical Specifications

Chassis

All trailers are designed in line with their intended use and carrying capacity, ensuring safe and reliable transport under demanding conditions.

Their structures incorporate high-strength cross members, manufactured using high-precision, high-tech welding systems for maximum durability.

We use S355J2+N or Strenx 700E (Specifications may vary depending on the project requirements.) quality steel throughout our production, and every chassis is fully hot-dip galvanised for long-term protection against corrosion and environmental wear.

Platforms

Deck 1

A height-adjustable moving platform operated by two hydraulic cylinders and supported by worm-screw spindle mechanisms integrated into the gooseneck.

Deck 2

Activated by two hydraulic cylinders and connected to the trailer's main chassis via an articulated linkage.

This deck also features a length extension for increased loading flexibility.

Deck 3

Similarly actuated by two hydraulic cylinders and articulated to the main chassis.

This deck is also equipped with an extension system to accommodate longer or oversized loads.

Bumper Extension

A 1,500 mm rear bumper that is deployed with hydraulic assistance.

Inner ramps are aluminium and manually extendable, designed for easy handling and smooth vehicle entry.

Capacity

Each platform provides an independent lifting capacity of 4,000 kg.

Trailer Technically Permissible Max Laden Mass : 32000 kg

Axles

Two 10-ton Gigant drum axles equipped with air springs, suspension units, and drum brakes. The system includes brake shoes and heavy-duty brake levers compliant with TSE standards.

Winch

Two hydraulic winches, each rated at 3,500 kg, equipped with 25 metres of steel rope, an integrated hydraulic safety valve, and emergency stop mechanisms.

King Pin and Landing Gear

OMS brand 2" king pin, manufactured in accordance with DIN 74080 and SAE standards.

Detachable from below and designed as an 8-bolt type. Supplied with E-certification.

OMS brand telescopic front landing legs, operating in parallel with dual-speed functionality.

Equipped with wide shoes and designed for heavy-duty performance: Static capacity: 50 tonnes - Dynamic capacity: 25 tonnes

Control

All hydraulic functions are operated via Tele-Radio wireless remote controllers.

Our proprietary control software, developed specifically for this vehicle, delivers a smoother, more intuitive operating experience.

The system is also equipped with a 7-inch display for real-time process monitoring and operational feedback.



Technical Specifications

Brake System

The trailer is equipped with a Wabco or Knorr-Bremse 2S-2M EBS configuration for enhanced braking performance and safety.

Braking Components

Automatic slack adjusters.

Brake chamber sizes: 24 × 30 and 24 × 30.

Air Tank Capacity

Air reservoir configuration: 80 L + 80 L + 1 L (filter tank).

Air Line Installation

Air pressure distribution is routed through plastic air hoses in 8 mm, 12 mm, and 15 mm diameters, with all connections made using high-quality bronze couplings.

LED Lighting System

The trailer is equipped with a complete ASPÖCK brand LED lighting set, including 15 pin sockets (24V) compliant with SAE standards. The system features dynamic LED rear stop lamps, side marker lights, brake safety warning lamps, and rear and side signal indicators.

Lighting Configuration

- 2 tail & stop combination lamps (red)
- 2 turn-signal combination lamps (orange)
- 1 licence plate lamp (white)
- 6 working LED lights for enhanced visibility during loading and operation
- Additional 2 × 7-pin electrical socket (Optional)

NATO Electrical Interface

A 24V / 200A NATO socket and a NATO spring cable provide secure high-current electrical connection between the truck and the trailer.

Accessories and Details

- Document box
- Central control panel
- Emergency brake system
- 2 × Wheel chocks
- 8 × Lashing rings
- 26 Metal tyre stoppers
- 6 × Steel toolboxes

Hydraulic Power Unit

Bucher brand powerpack, 4.3 kW motor with a 70-litre oil tank, equipped with an electronic oil-level sensor.

Two sensors mounted on the first platform provide maximum and minimum position feedback.

Wear & Motion Components

- All articulated joints are fitted with IGUS TX1 fibre bushings (Germany), ensuring long service life with zero greasing requirements.
- All platform extensions slide on polyamide sheets for smooth and maintenance-free operation.

Additional Equipment

- Left-side sliding spare tyre box
- Aluminium rear ramp for lightweight and durable loading performance
- All bearings in the moving assemblies are sourced exclusively from Germany or Japan manufacturers.