

CAR-O-LINER®

bench rack

BENCHRACK™
EFFICIENCY AT ITS BEST

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The unsurpassable **BenchRack** combines drive-on convenience with an hydraulic lift and removable ramps. Add to this the tilt feature, which makes loading easier when approach space is limited, and you have the most versatile repair bench on the market. You will be able to

repair each collision damaged vehicle that enters your shop, from slight cosmetic work to full-frame repairs. The **BenchRack** systems are designed for any type of unibody or full frame vehicle, from small cars to light trucks, vans and SUVs.

THE BEST FIT FOR YOUR SHOP

DRIVE ON RAMPS

The drive-on ramps also act as drive-off stops when the lift is raised

TILT FEATURE

Easy loading when space is limited

WHEELS FREE

Removable ramps allow for better access to the vehicle

4200KG (9200LB)

Repair any car, SUV, or light truck

3 LENGTHS

Choose between 5.0, 5.5 and 6.3m (196, 216 and 248in)

COMFORTABLE HEIGHT

From 400-1190mm (16-47in), technicians can always work at a comfortable height



SIMULTANEOUS MULTIPLE PULLING

Add an optional extra draw aligner and you get double the pulling power - 360° around the vehicle!

RACK UP YOUR PRODUCTIVITY

AND BODY SHOP PROFITS

A TRULY UNIVERSAL AND VERSATILE ADDITION TO ANY BODYSHOP — THE **BENCHRACK™** SYSTEMS ARE DESIGNED TO HOLD AND LIFT VIRTUALLY ANY TYPE OF UNIBODY OR FULL FRAME VEHICLE, FROM SMALL CARS TO LIGHT TRUCKS, VANS AND SUVs.

EFFICIENCY AT ITS BEST

With **BenchRack**, you may lift the vehicle when loaded on the ramps or lift the frame on lifting pads leaving the wheels and wheel wells free. All service and repair operations can be performed quickly and effectively using a single setup. You avoid the unnecessary interruptions that arise when moving the car between different work stations for steps such as disassembly, alignment, welding, sanding and filling.

SIMULTANEOUS, MULTIPLE PULLING CAPABILITIES

Our powerful 10-ton draw aligners, featuring state-of-the-art hydraulics and can pull from almost any angle, 360° around the vehicle. Use one or two as needed and you'll finish your repair work in no time!

SAFETY AND ACCESSIBILITY

BenchRack systems increase not only the productivity of your equipment, but also of your technicians. Assisted by the integrated lift, technicians will always work at the most comfortable height. A generous amount of space between the vehicle and bench offers greater accessibility to underbody work. Our special cam locks make it easy to lock **BenchRack** components onto the bench ensuring secure mounting of the vehicle.

BENCHRACK™ SETS A NEW STANDARD FOR UNIVERSAL REPAIR BENCHES. DESIGNED TO MORE EFFECTIVELY MAKE HIGH QUALITY REPAIRS.

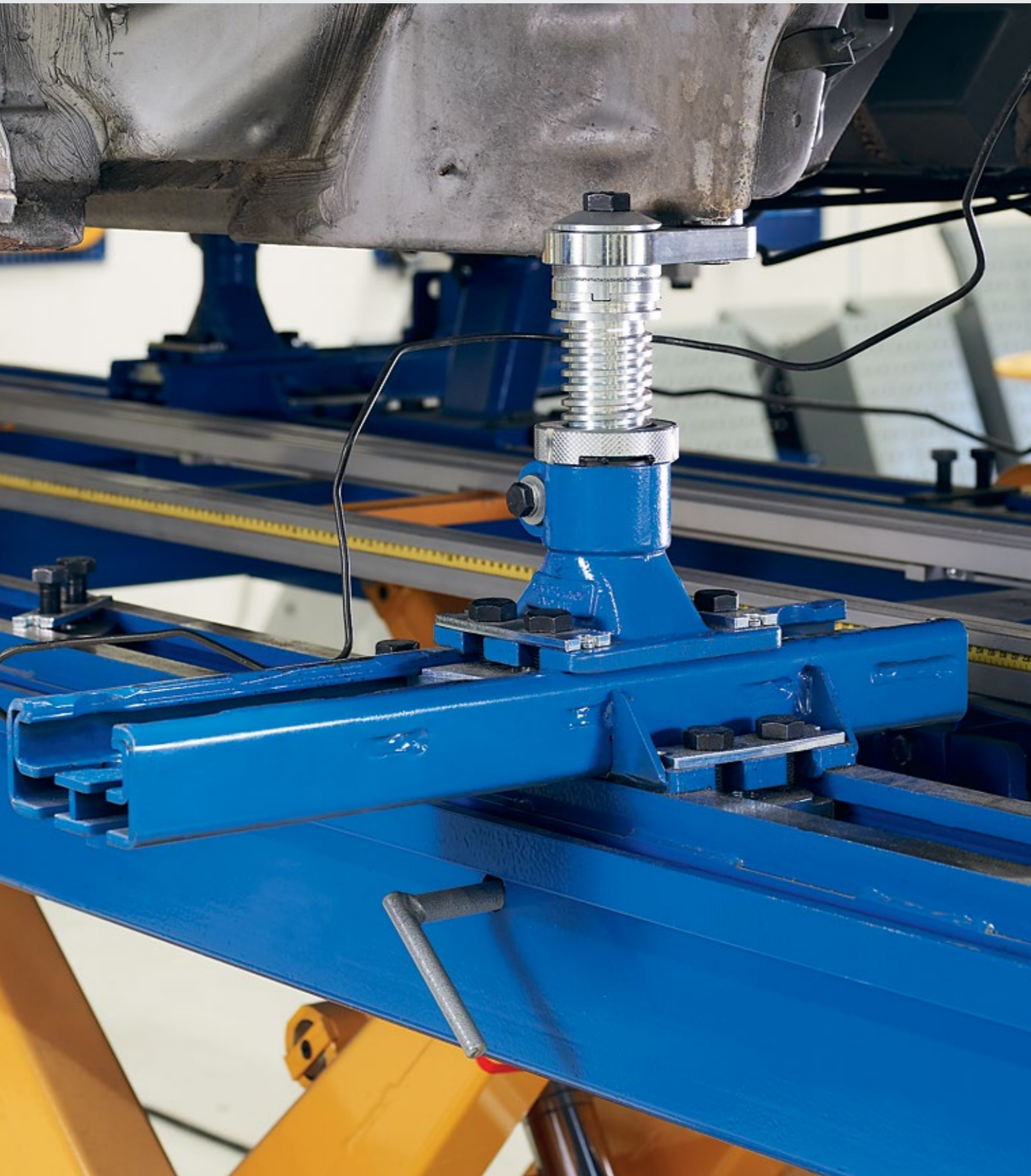


FEATURES AND BENEFITS

- **FOUR LENGTHS** — with four lengths (4.2, 5.0, 5.5 and 6.3m) you can choose the perfect BenchRack for your shop
- **10-TON DRAW ALIGNER** — powerful draw aligning with pulling from almost any angle, 360° around the vehicle, add a second (optional) for double pulling power
- **REMOVABLE RAMPS** allow easy access all around the vehicle
- **FLEXIBLE INSTALLATION** - pit or fixed mountings that meet the needs of all workshop sizes
- **EXCLUSIVE PILLAR JACKS** and threshold (rocker) supports make mounting of vehicles fast, safe and easy
- **ACCURATE REAL-TIME MEASURING** when used with the **Car-O-Tronic® Vision2 X3** and **Car-O-Data®** measuring system
- **EFFECTIVE ANCHORING & HOLDING** with the **EVO™** universal system, no specific vehicle fixtures required
- **TRUCK CLAMPING** accessories provide strong, no-slip, safe holding
- **OEM APPROVED** meeting a majority of equipment manufacturer's requirements/approvals

EVO™ SYSTEM

DESIGNED TO OPTIMIZE YOUR PERFORMANCE



IT'S THE FIGURES ON THE BOTTOM LINE THAT MATTER. THAT'S WHY EVO IS DESIGNED TO OPTIMIZE YOUR PERFORMANCE.

By adding any of Car-O-Liner's **EVO** systems for anchoring and holding you get a flexible system with few components, but multiple possibilities, and with holding power that far exceeds pulling requirements.

With three configurations, the modular **EVO** system easily evolves into a variety of possibilities for addressing your repair needs.

These universal kits work for every vehicle year, brand and model saving you the cost of expensive specific equipment.

The **EVO** systems work superbly on their own, but to achieve maximum benefit they can be integrated with the **Car-O-Tronic** electronic measuring system and **Vision2 X3** software package. You'll have the best solution for rapid results and premium quality from diagnosis and repair to final check and documentation.

SAVE STRUCTURAL REPAIR TIME WITH EVO

TRANSFORM HOURS INTO EARNINGS

A leading body shop focuses on craftsmanship, equipment and design when it comes to aligning and repairing modern vehicles. That's why Car-O-Liner offers **EVO** - a universal system that can handle every imaginable anchoring and holding situation. **EVO** is a system in three parts with few components and where each component can be assembled with the others in a multitude of configurations.

The **EVO** systems work superbly on their own, but to derive maximum benefit they can be integrated with the **Car-O-Tronic** electronic measuring system and **Vision2 X3** software package. You'll have the best solution for rapid results and premium quality from diagnosis and repair to final check and documentation.

EVO™ 1 OPTIMIZES YOUR PERFORMANCE

EVO 1 Basic Anchoring System contains an optimal number of components offering a wide variety of configurations. It is a system made for easy and speedy holding and anchoring, without extra fixtures.

EVO 1 INCLUDES

- Three towers
- Multipurpose clamp
- Track plates
- Adapter with bushings
- Chain holder
- Torque bar

EVO™ 2 MORE OPTIONS FOR AN OPTIMIZED PROCESS

EVO 2 Extended Anchoring, is an evolution of **EVO 1**, allowing you to more easily tackle advanced repairs by providing additional equipment for anchoring, holding and side support further optimizing your process.

EVO 2 INCLUDES

- Two extra towers and track plates
- Special tools for rear axle bracket
- Torque bar extensions and adjustable holders

MAXIMUM PROFIT WITH EVO™ 3

EVO 3 is made for building a fixture to hold new body parts in place when welding and bonding. When combined with **EVO 1** and **EVO 2**, and supported by the **Car-O-Tronic Vision2 X3** electronic measuring system, the equipment works on all vehicle models.

EVO 3 INCLUDES

- Adjustable fixture heads
- Lockable universal joints
- Lock handle
- All-purpose mini clamp for frame rails
- Inner fenders and strut towers

HANDLE EVERY ANCHORING, HOLDING AND FIXTURING WITH EVO™ SYSTEM.

PRECISE INFORMATION

REAL-TIME MEASURING PROCESS WITH CAR-O-TRONIC®



CAR-O-TRONIC® VISION2 X3

Car-O-Tronic is the fastest, most accurate and easiest to use 3D measuring system on the market. The sensor-equipped measuring slide allows the operator to manage the entire measuring process without the need to be at the computer. Delivering data in real-time, it is the most advanced system for upper and lower body measuring.

ACCELERATE YOUR BODY SHOP RESULTS BY COMBINING ANY CAR-O-LINER ALIGNMENT BENCH WITH CAR-O-TRONIC® VISION2 X3. YOU'LL HAVE THE BEST SOLUTION FOR RAPID, ACCURATE AND PREMIUM QUALITY REPAIRS.

THE MOST EFFICIENT AND ACCURATE DAMAGE REPAIR SYSTEM

Car-O-Tronic communicates wirelessly with the **Vision2 X3** software. This photo-based and user-friendly platform, when used together with **Car-O-Data**, the world's largest vehicle measurement database, allows you to work quickly and accurately.

Vision2 X3 presents an intuitive workflow that guides the entire repair process and performs automatic centering, measuring and documentation. Its user-friendly, easy-to-learn interface allows technicians to measure damaged vehicles quickly and accurately. All these features working together contribute to reduced cycle times and more efficient diagnosis.

Combine any Car-O-Liner alignment bench with **Car-O-Tronic Vision2 X3** and **Car-O-Data** to ensure that the vehicle is returned to your customer meeting OEM

standard conditions. Reinforce the trust in your body shop with quality, timely repairs that generate more business.

THE VAST MAJORITY OF VEHICLES ON THE ROAD TODAY CAN BE FOUND IN CAR-O-LINER'S DATABASE.

With crucial measurement references available at your fingertips, this is guaranteed to be a profitable addition to your business. New and updated vehicles models are continuously measured by our international team of experienced engineers who are supported by virtually every major vehicle manufacturer around the world.

DECREASE CYCLE TIMES — INCREASE REPAIR QUALITY AND PROFITS

With our comprehensive measuring data you will see an immediate improvement in the level of quality your technicians put into every diagnosis, which in turn gives shorter cycle times and raises your shop's bottom line.

FEATURES AND BENEFITS

- **SENSORS IN EACH JOINT** deliver real-time data three times/second
- **WIRELESS** means no targets or lasers
- **PRECISE 3D MEASUREMENTS** for all under and upper body locations for accurate repairs
- **CAR-O-DATA COMPATIBLE** so you can quickly find comprehensive vehicle measurement data
- **PHOTO-BASED IMAGES** offer easy point identification
- **VISION2 SOFTWARE** contains information on EVO™ anchoring systems to speed up your repairs
- **INFO CENTER** for online software/data updates, news, support and interactive training
- **OEM APPROVED** ensures repairs meet a majority of OEM requirements/approvals

“HOLD ON TO MORE BUSINESS”

PRODUCT INFORMATION

AND TECHNICAL DATA

STANDARD COMPONENTS

BENCHRACK 5500 CLASSIC

ITEM	PART NO.	QTY.
B83 Alignment Bench BR5500 with Lift	34640	1
B323 Ramp Kit BR5500	31934	1
D16 Draw Aligner	30346	1
B61 Bench Parts BR Standard	30948	1
B633 Pillar Jack Kit	34014	1
EVO1 Basic	35413	1
D164 Cylinder & Pump for D16	44450	1
Power Unit, Hydraulic Oil. See Power Unit	-	-

BENCHRACK 5500 STANDARD

ITEM	PART NO.	QTY.
B83 Alignment Bench BR5500 with Lift	34640	1
B323 Ramp Kit BR5500	31934	1
D16 Draw Aligner	30346	1
B61 Bench Parts BR Standard	30948	1
B633 Pillar Jack Kit	34014	1
EVO1 Basic	35413	1
EVO2 Extension	35419	1
EVO3-1 Additional Kit	35420	1
D164 Cylinder & Pump for D16	44450	1
Power Unit, Hydraulic Oil. See Power Unit	-	-

OPTIONAL ACCESSORIES

BASE FRAME

ITEM	PART NO.	QTY.
B16 Alignment Bench BR5000 w Lift	34639	1
B83 Alignment Bench BR5500 w Lift	34640	1
B84 Alignment Bench BR6300 w Lift	33907	1

RAMPS

ITEM	PART NO.	QTY.
B320 Ramp Kit BR5000	30984	1
B323 Ramp Kit BR5500	31934	1

OPTIONAL ACCESSORIES

Ramps (Cont.)

ITEM	PART NO.	QTY.
B328 Ramp Kit BR5500 Wide	33989	1
B325 Ramp Kit BR6300 Wide	33990	1

POWER UNIT

ITEM	PART NO.	QTY.
T611 Power unit, 400V 3ph 50Hz + T655 Hydraulic oil	35879	1
T612 Power unit, 200V 3ph 50Hz + T655 Hydraulic oil	35880	1
T613 Power unit, 220V 3ph 50Hz + T655 Hydraulic oil	35881	1
T614 Power unit, 110V 1ph 60Hz + T655 Hydraulic oil	35882	1
T615 Power unit, 220V 1ph 60Hz + T655 Hydraulic oil	35883	1

D16 DRAW ALIGNER

Part No. 30346

D164 CYLINDER & PUMP FOR D16

Part No. 44450

DRAW ALIGNER ACCESSORIES

ITEM	PART NO.	QTY.
D90 Down Pull for D16	30412	1
T35 Chain Kit, 10 ton	35889	1

B61 BENCH PARTS BR STD.

Part No. 30948

ITEM	QTY.
B39BR	4
B626	8
B106	4
B23	1
B46	1

OPTIONAL ACCESSORIES

BENCH PARTS

ITEM	PART NO.	QTY.
B633 Pillar jack kit	34014	1
T62 Air-Jack K22	30600	1
B57 Roll Stop / Loading Trolley	30872	1

EVO SYSTEMS

ITEM	PART NO.	QTY.
EVO1 Basic	35413	1
EVO2 Extension	35419	1
EVO 3 Universal Fixture	35719	1
EVO3-1 Additional Kit	35420	1

B73 BASIC TRUCK CLAMPING

Part No. 35890

ITEM	QTY.
B250	2
B260	2
B213	2
B250-E1	4
B250-E2	4
B260-E4	4
B260-E5	4
B156-A2	2
B156-A5	2
B156-A6	2
B156-A10	2
B156-A14	2
B250-H1	2
B250-H4	4
B250-G1	2
Nut	4
Spacer	4
B156-B3	2
B156-B5	2
B156-B6	2
B156-B10	2
B156-B11	2

OPTIONAL ACCESSORIES

B73 BASIC TRUCK CLAMPING (cont'd)

ITEM	QTY.
M20 Nut	2
Washer	2
Screw M20x220	4
Screw M20x320	2

B730 TRUCK CLAMPING

Part No. 35891

ITEM	QTY.
B250	2
B260	2
B213	2
B250-E1	8
B250-E2	8
B260-E4	4
B260-E5	4
B156-A2	2
B156-A3	2
B156-A5	2
B156-A6	2
B156-A10	2
B156-A14	2
B250-H1	4
B250-H3	2
B250-H4	2
B250-H6	4
B250-G1	4
B250-G2	2
B156-C1	2
Nut	4
Spacer	4
B156-B1	2
B156-B3	2
B156-B5	2
B156-B6	2
B156-B10	2
B156-B11	2
M20 Nut	2
Washer	2

PRODUCT INFORMATION

AND TECHNICAL DATA

OPTIONAL ACCESSORIES

B730 TRUCK CLAMPING (cont'd)

ITEM	QTY.
Screw M20x220	4
Screw M20x320	4

B340BR BENCH MOUNTING

Part No. 35892

T10 UNIVERSAL PULLING HOOK

Part No. 34638

ITEM	QTY.
T10-1	1
T10-2	1
T10-3	1
T10-4	1
T10-5	1
T10-20	1

T11 ACCESSORIES FOR T10

Part No. 30541

ITEM	QTY.
T11-1	1
T11-2	1
T11-3	1
T10-5	1
T11-5	1

T70 PULL CLAMP KIT

Part No. 32000

ITEM	QTY.
T71	1
T72	1
T73	1
T815	1

OPTIONAL ACCESSORIES

TRANSPORT, TROLLEYS AND HOLDERS

ITEM	PART. NO.	QTY.
T67 Transport Wagon	34318	1
T61 Winch, complete	30970	1
T43 Roller Trolley	32081	4
T48 Support Ttand	30669	2
T53 Multi-pad, metal	30941	4
T63 Holder for Multi-pad, metal	30682	4

HYDRAULIC ACCESSORIES

ITEM	P. NO.	QTY.
T250 Cable Protection	31040	1
T251 Cable Protection 45°	33286	1

TECHNICAL DATA

LIFTING PLATFORM	
Length	5000, 5500, 6300mm (165, 196, 216, 248in)
Width	1170mm (46in)
Max. length with draw aligner	Bench length + 1120mm (44in)
Max. width with draw aligner	2295mm (90in)
Width (with ramps attached)	2020mm standard ramps 2240mm wide ramps (78,52 88in)
Min. height	400mm (15,75in)
Max. height (floor to top of platform)	1190mm (46,85in)
Work area size with draw aligner on both sides	3415mm ² (5293in ²)
Total weight, lift and work platform	950 - 1300kg (2094 - 2866lb)
In-ground capability	Yes
Tilt feature	Yes
Loading angle	Bench 2,6° Driving ramps 12°
Lift capacity (max. vehicle weight)	4200kg (9259lb)
Lift capacity (in-ground max. vehicle weight)	4200kg (9259lb)
HYDRAULICS	
Pulling force (per draw aligner)	10 tons
Hydraulic pressure (max)	700 bar
POWER UNIT	
Hydraulic pressure	210 bar
Air connection pressure	max 10 bar
Sound level	Below 70 dB(A)
Electrical cable length	4m (157in)
Hydraulic hose length	7m (275in)
Cable to control box	10m (394in)
Power	3 Ph, 50 Hz, 200/230/400 V 1 Ph, 60 Hz, 110/220 V



WE CARE ABOUT BODY SHOPS

EXCELLENCE. INNOVATION. PASSION.

CAR-O-LINER ACADEMY

We are a competence development partner for the automotive industry, our main objective is to improve quality, safety and profitability for body shops.

THE TRAINING YOU NEED



RIGHT PERSON



RIGHT TIME



RIGHT COURSE



RIGHT COMPLEXITY

We enhance our customer's abilities by identifying the real competence and development needed. Offering solutions to meet these needs and accelerate the business growth.

WE OFFER THE SOLUTION



WE IMPLEMENT THE TRAINING



WE FIX THE ROOT OF THE PROBLEMS



WE MEASURE RESULTS

CUSTOMER SUPPORT

The Car-O-Liner Group headquarters is located in Gothenburg, Sweden, with subsidiaries located in Norway, Germany, France, United Kingdom, Italy, China, India, United States, Thailand and the Middle East. Wherever you are, Car-O-Liner can provide customers with product information, training, support or data subscription/renewal.

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CAR-O-LINER®

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