

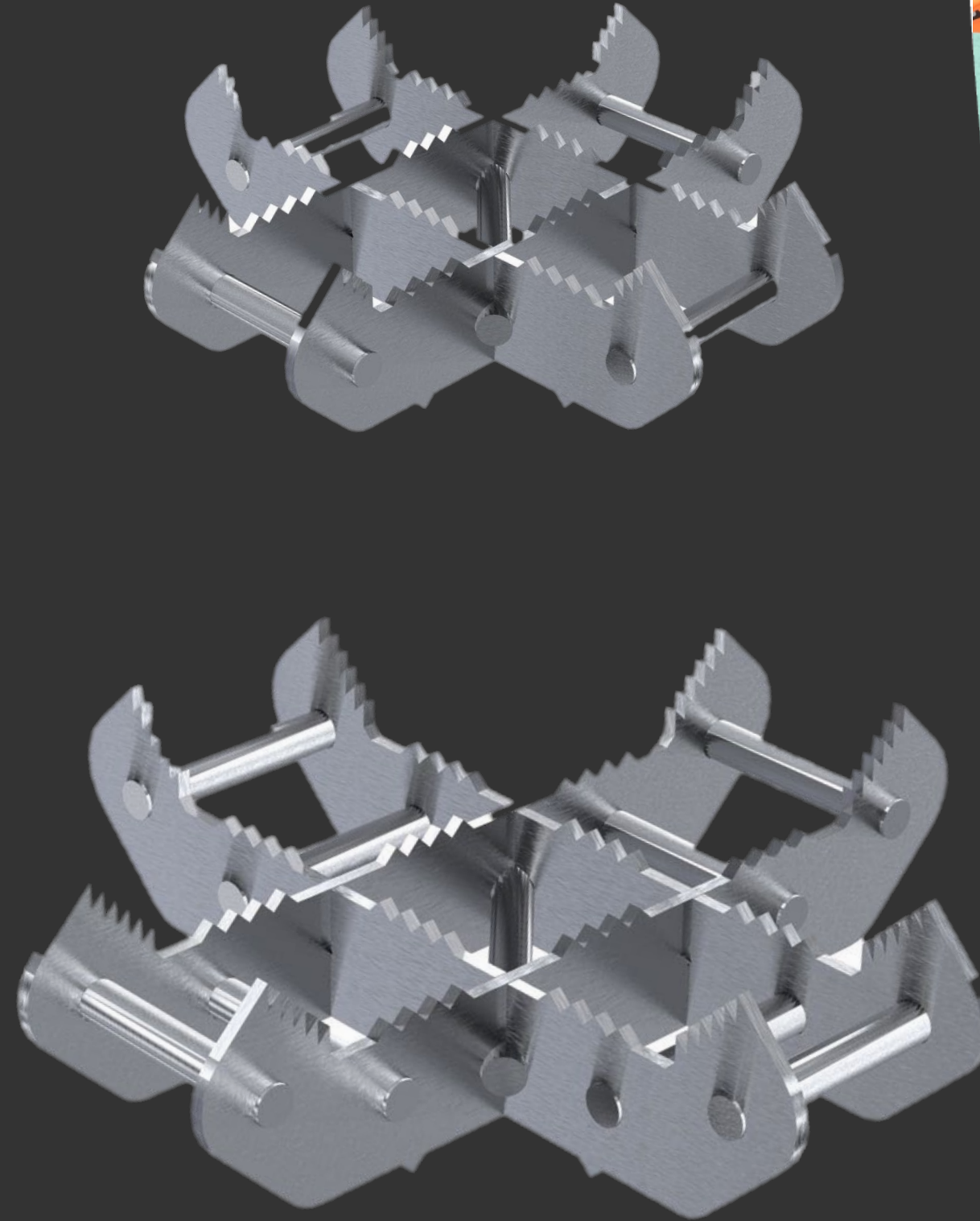
Cross Ram Support Set

Ram accessories

Cross Ram Support Set

Set composition

- The Cross Ram Support Set consists of:
 - 1 x model XRS01S Small
 - 1 x model XRS01L Large



Cross Ram Support Set

How does it work?

- Cross ramming is a technique to create space when parts of the vehicle are deformed and obstruct a safe patient extrication. With the help of a ram the car construction is pushed back into its original shape.
- The set of two supports helps you to distribute the force of the ram over a larger area and prevents it from pushing through the car construction.
- The Cross Ram Supports have a push-off bar in the centre on which the ram head can be placed.



Features & Benefits

Cross Ram Support Set – Features/Benefits

Even distribution of the ram force

- Designed for even distribution of the ram force
 - The Cross Ram Supports spread the load on the material surface, caused by the ram, over a larger area
 - This prevents the ram from pushing through car (interior) parts, such as door cards, seat fabric, roof panels and B-pillars



Cross Ram Support Set – Features/Benefits

Maximum grip on car interior surfaces

- Grip teeth on both sides of the Cross Ram Supports
 - To provide maximum grip on car interior surfaces
 - To provide optimum stability and grip during cross ramming



Cross Ram Support Set - Features/Benefits

Maximum safety

- Clear labels with safety warnings and instructions for correct use of the Cross Ram Supports.
 - To help you work safer and easier.
 - Example: If during the operation the angle between the ram and the Cross Ram Support exceeds 45° , the operation must be interrupted immediately. Reposition to a correct angle – see safety label.



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XRS01S
Capacity 98.1kN / 22,054 lbf
Art. No. 151.001.161



Cross Ram Support Set - Features/Benefits

Optimum visibility

- Clear zinc plated steel surface
 - Durable and corrosion resistant
 - Good visibility on dark dashboard surfaces and during rescue operations at night

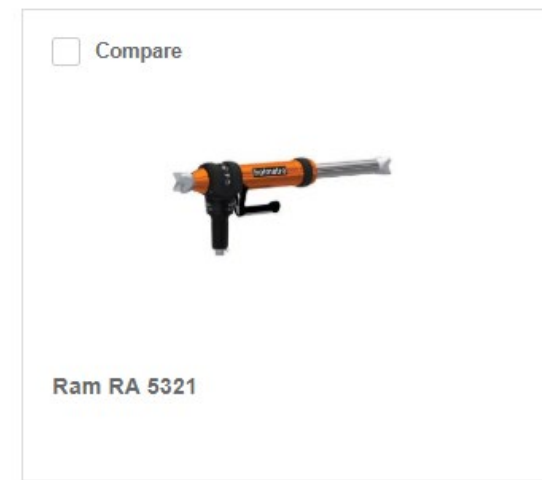
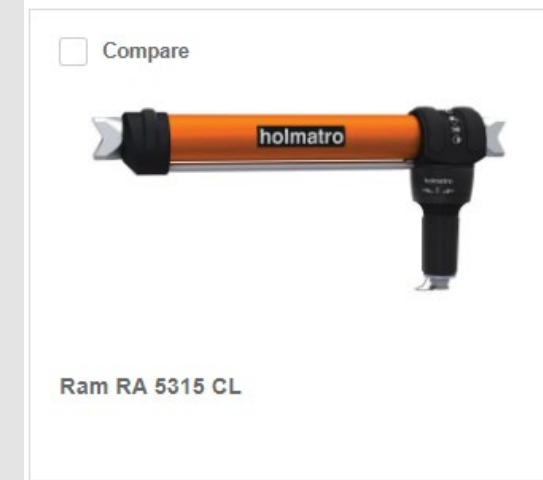
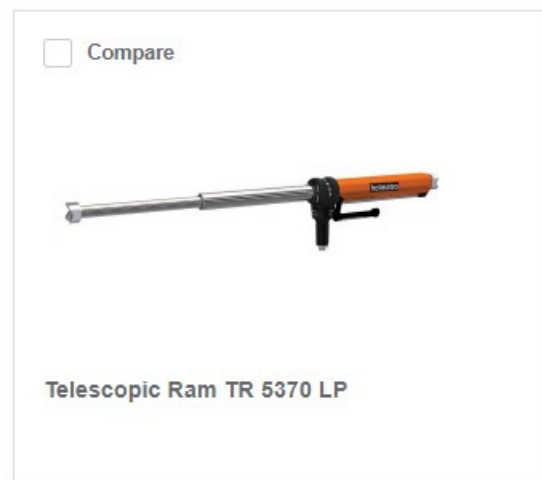
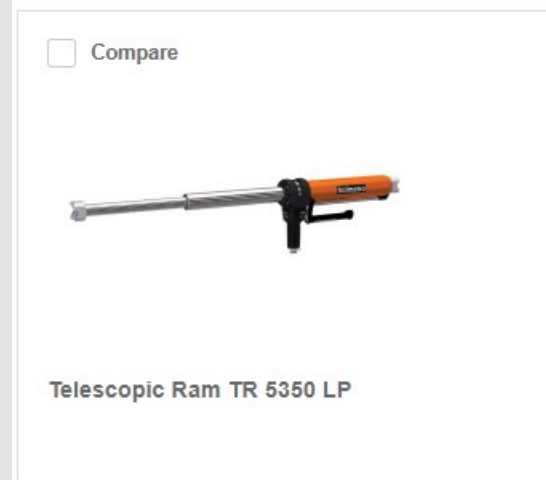
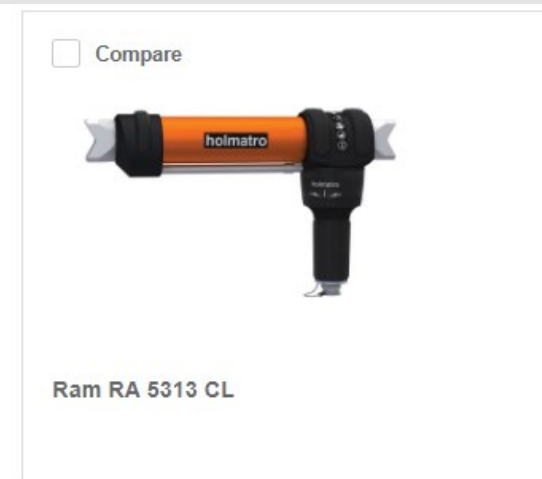
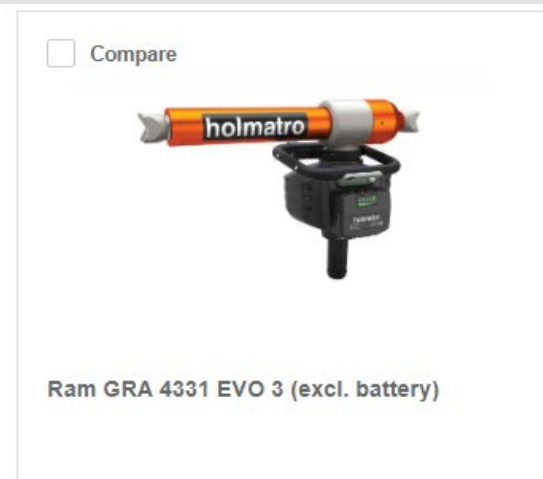
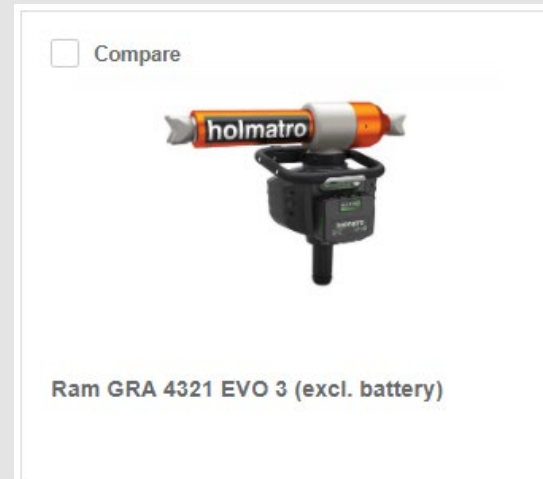
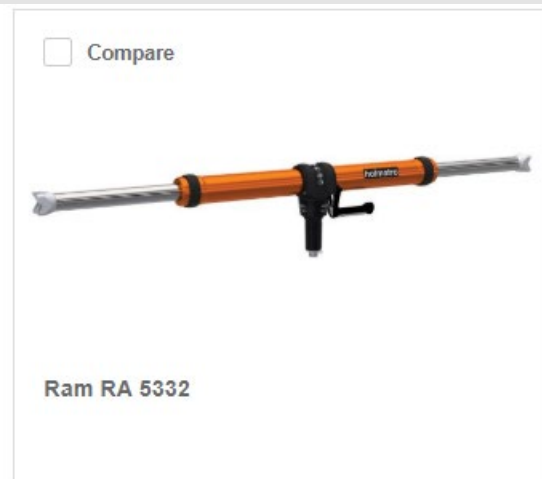
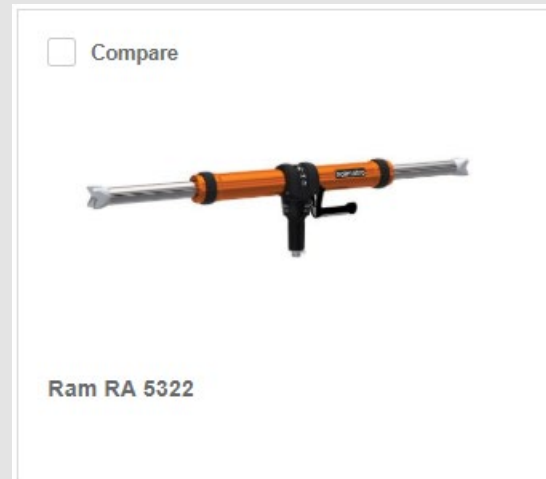


Application

Cross Ram Support Set – Features/Benefits

Compatible with all Holmatro Rams

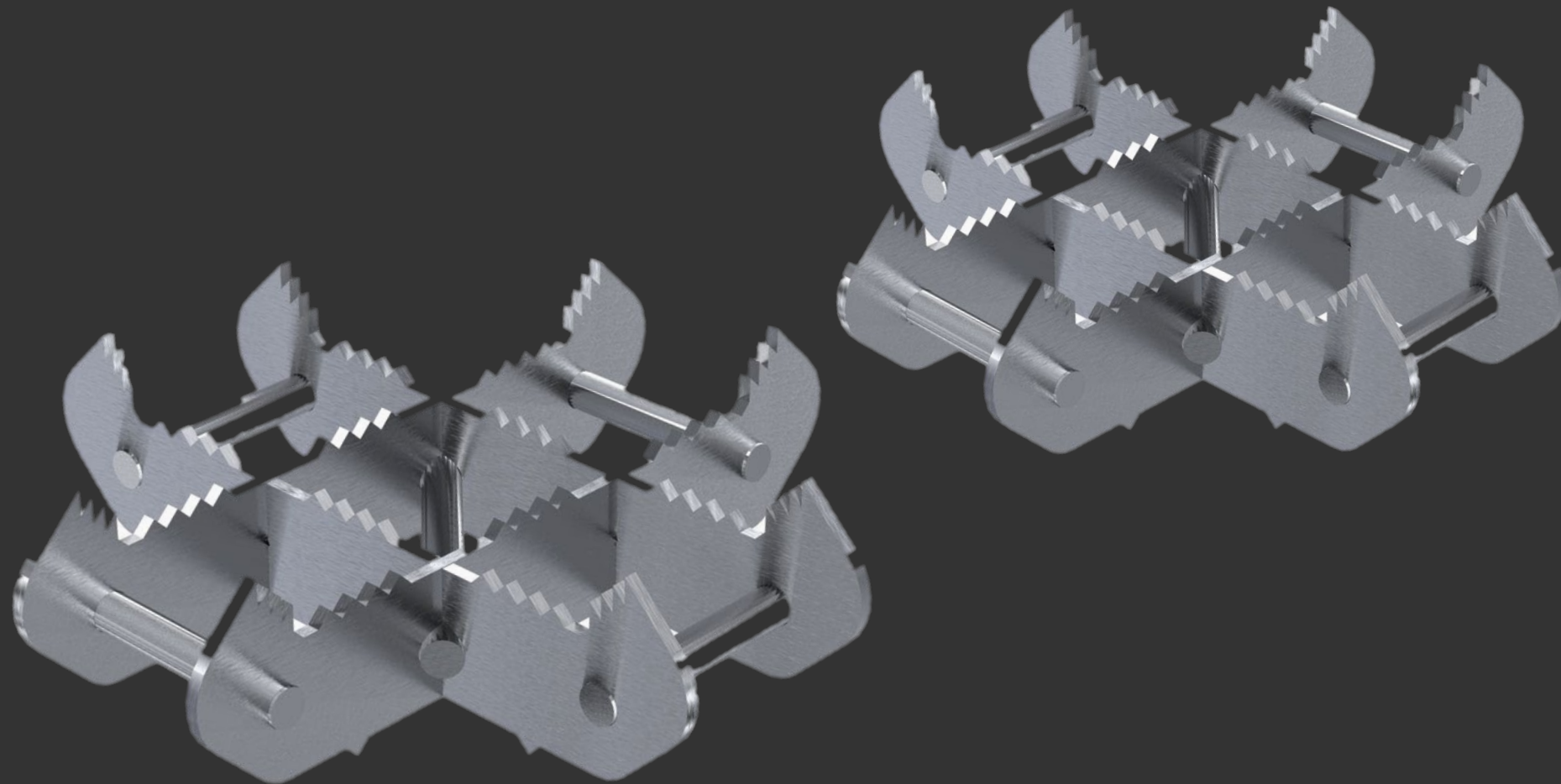
- Past and present models
- The longer ram models are preferred as they have enough stroke to push the vehicle construction back into its original shape.



Cross Ram Support Set - Application

In General

- The accessory is designed to help you push back the dashboard, the roof or the B-pillars, which have intruded the passenger cell as a result of a collision.
- The set can be applied on cars and trucks.



Cross Ram Support Set - Application

Warning

- The Cross Ram Support set is intended for use in vehicles only!
 - The item is not intended as a lifting device.
 - A safety warning label is attached to each Cross Ram Support.

Use the support in vehicles only.
Position it between weak structure and ram's griphead.
Deformation load = 98.1 kN / 22,054 lbf

Gebruik de steun alleen in voertuigen.
Plaats deze tussen zwakke constructie en kruiskop van ram.
Vervormingsbelasting = 98.1 kN / 22,054 lbf

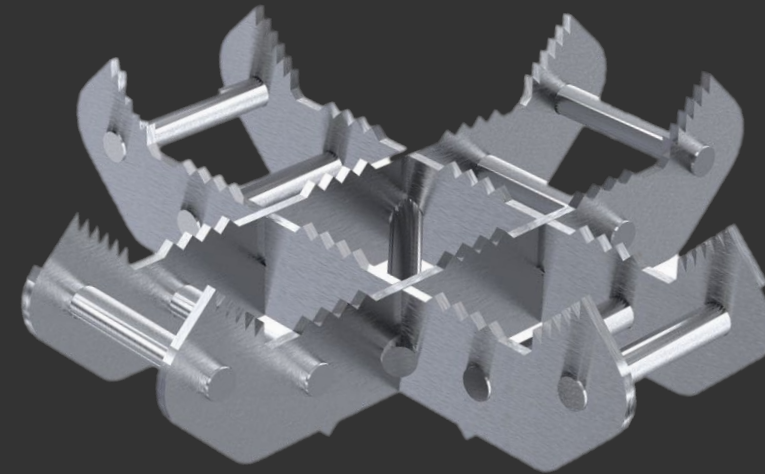
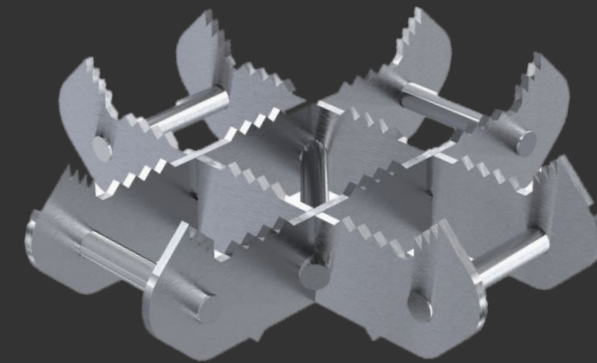
Utilisez le support seulement dans les véhicules.
Placez-le entre une construction fragile et la tête du vérin.
Force de déformation = 98.1 kN / 22,054 lbf

Verwenden Sie die Stütze nur in Fahrzeugen. Bitte zwischen schwache Konstruktion und Spannkopf Rettungszylinder positionieren. Verformungskraft = 98.1 kN / 22,054 lbf



Dashboard push: Cross Ram Support Installation

- The smaller support XRS01S is designed to push against the car's dashboard and roof.
- The larger support XRS01L is meant to be positioned on the rear seat of a car.



Make sure the ram does not touch the centre console to prevent the ram from slipping



Dashboard Push: Installation of the Second Ram

- Position the ram diagonally in the door aperture and open it so that it remains in position.
- Open the ram in the middle of the car until the force is around 20% of the total force required for the dash push.
- Follow the movement with the ram in the door aperture. The ram in the door should generate 80% of the total force needed.
- Keep operating the central ram and the “door opening ram” alternately until enough space is created to neutralize the patient’s entrapment.



Dashboard Push: Back Seat Strength

- The back seat of a car is relatively weak. For this reason, the larger Cross Ram Support is used on the back seat to create as large a surface for load distribution as possible.
- Whether or not the back seat can handle the load depends on the correct distribution of that load in the door aperture (80%) and the central ram (20%).
- The higher the central ram can be positioned on the back seat, the more force will be directed straight to the dashboard.



Cross Ram Support Set – Application

B-Pillar / Side Wall Push

- The Cross Ram Support Set can also be used to push back the B-pillars or side wall of a deformed car or truck.



B-Pillar / Side Wall Push: Installation

- The B-pillars are the strongest parts of a car's side wall and your best option if you need to perform a side wall push. If possible, install the ram with the Cross Ram Supports between and against the two B-pillars.
- If there is an obstruction between the two B-pillars, for instance a trapped person or a car seat, you can alternatively use the lower sill area (rocker channel) on the opposite side of the car.
- If that is unavailable too, the middle of a door can also be used to push back a B-pillar on the other side of the car. Keep following the movement of the door and make sure the door stays in position during the operation.



Cross Ram Support Set – Application – Roof Push

Roof Push: Installation

- The Cross Ram Support Set can also be used to push back a car roof back to its original shape.
- The teeth ensure maximum grip on the fabric.



**You can count on us,
for life**