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Evo-Chev

Passive chevron system

PassiveSAFE[®]

Rebounds on impact and fully compliant
to BS EN 12767:2019

An award winning chevron system, robust and easy to install

The Evo-Chev passive chevron system is the safer and more resilient alternative to traditional sign plate. Designed to be installed on roundabouts, verges and sharp corners the Evo-Chev will effectively warn motorists of the hazard. Crash friendly and resilient, this revolutionary chevron system will rebound to vertical following an impact to continue to warn other road users. The Evo-Chev system is fully TSRGD compliant to be used on UK highways.

- Full 360° impact resilience
- Easy installation
- Durable and economical
- Motorcycle friendly
- TSRGD compliant
- Passively safe to BS EN 12767:2019



Roundabouts, Sharp bends and Low-level



The Queensway roundabout in Liverpool, is a great example of the versatility of the Evo-Chev system. Offering a low-level blade configuration makes for improved visibility while navigating the roundabout. These particular Evo-Chevs were also installed with NAL sockets and adaptor plates, meaning the whole roundabout can be cleared in minutes when access is needed.

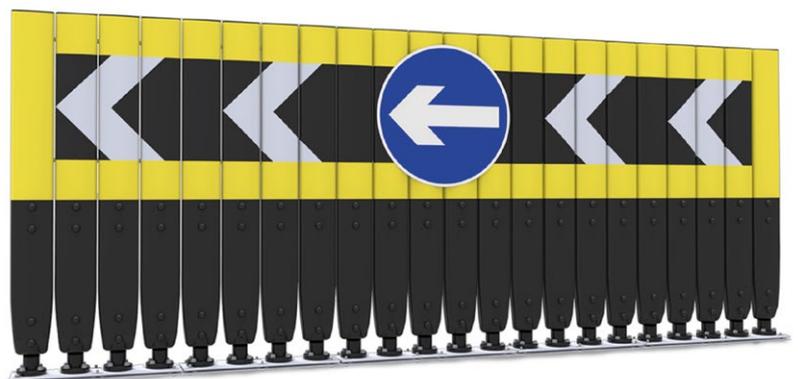
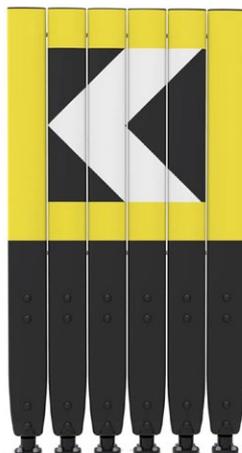
The A30 Evo-Chev is another bespoke low-level example, on a high speed dual carriageway. It is placed at a tight left hand bend where vehicle speed needs to drop dramatically to turn safely. Whilst giving road users plenty of warning of the sharp turn with the bright chevrons, it was designed to be low-level to help the visibility of road users making their way back onto the dual carriageway.



Chevron and sign options

The Evo-Chev is a very versatile system that lends itself to a variety of locations. Each Evo-Chev system is purpose built for the location, allowing for bespoke heights, widths and markings.

Below are the some of the most popular options: plain black with a white chevron, a chevron with an additional yellow border or a system for a roundabout with the added D606 'Go left' arrow for traffic direction.



360 Degree Impact Resilience

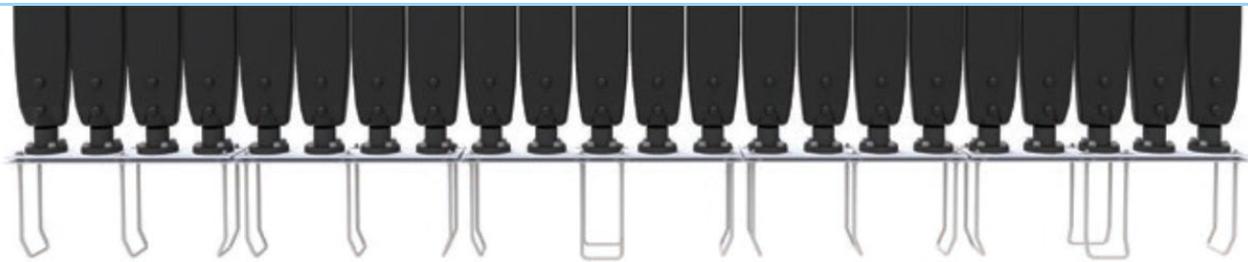
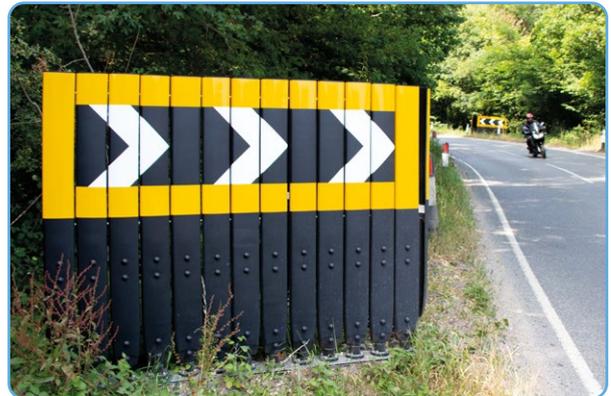
We've designed, and tested the Evo-Chev chevron system to withstand impacts from all angles. Most impacts will occur on the face of the system, but it's good to know that in the event of something different the Evo-Chev has been tested to be resilient. We know that it can be difficult to remove a vehicle from behind other rebound chevron systems, this is not the case with the Evo-Chev. Forwards or backwards, impact or recovery the Evo-Chev will rebound to an upright position.

Real world tested

The motivation behind all passively safe products is better safety for the driver. Traffic products are not indestructible and it is impossible to guarantee performance in every impact. However, we have carried out both scientific and real-world tests in accordance with BS EN 12767 and achieved the highest safety rating.

Motorcycle friendly

The Evo-Chev is a modern take on the traditional steel structure that holds up other chevrons. The greatest advantage to motorcyclists is that there are no rigid steel posts in the TMP system. Therefore when a vehicle impacts the Evo-Chev each blade folds down at the base to let the vehicle pass through, returning to an upright position to warn the next drivers. The way the Evo-Chev yields to impact means the motorcyclists will not suffer the same injuries as they would have from hitting a solid unyielding wall of steel.



Installation options

We developed the Evo-Chev to be fast and efficient to install. Reducing the installation time reduces the risk to the installation team as well as reducing traffic management costs. The system is delivered in sections, each containing numbered blades already mounted to the base plate. The base plate simply bolts on to the foundation plate that was set in concrete earlier.

The Evo-Chev can be installed using 50x50 retention sockets, for easy removal, or even retro-fitted into Glasdon Chevroflex Ultra™ foundations. Fast replacements and retro fits without excavation works, make the Evo-Chev a truly remarkable product.

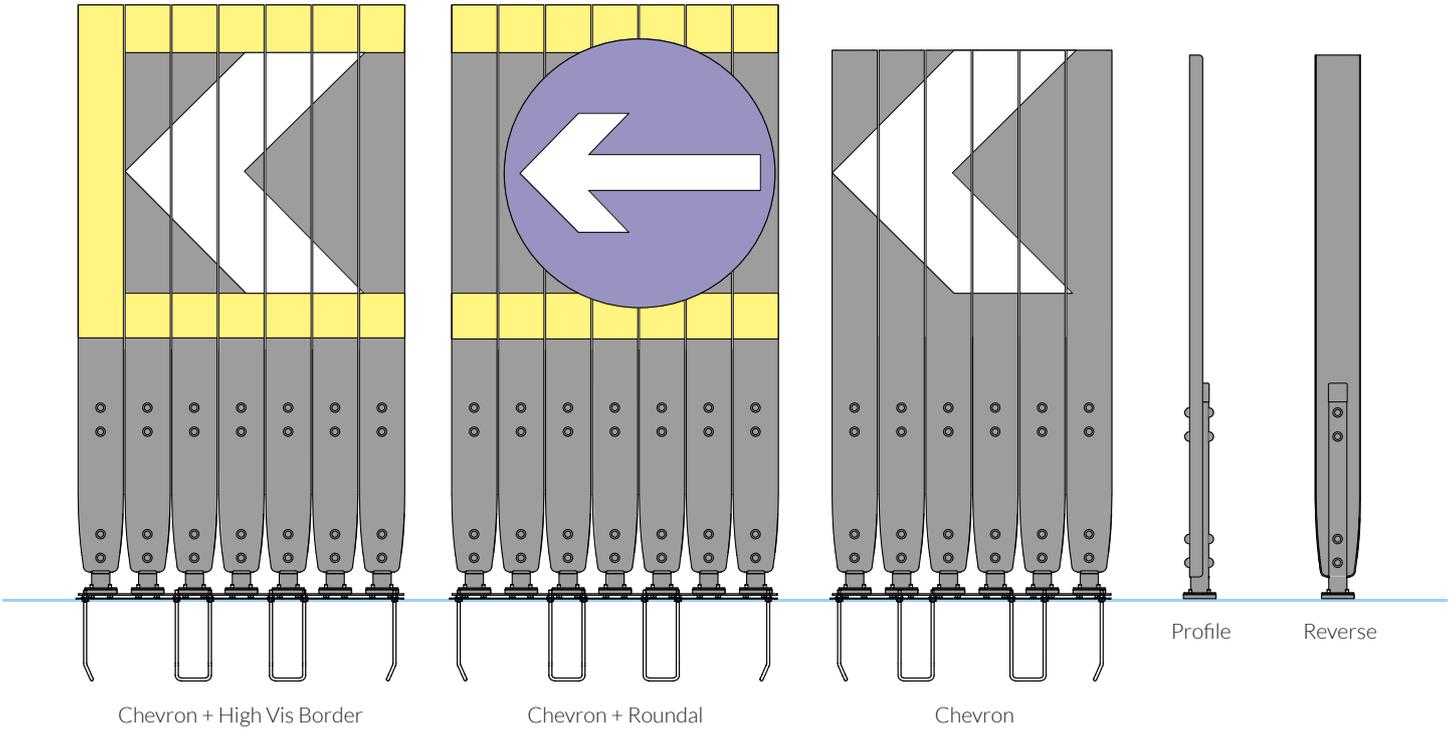


Retro-fit base



Installation options

Specifications



Material	High density polyethylene
Colour	Black
Corrosive Resistance	SP1/SP2
Installation Options	Foundation cage or 50x50 retention socket
Reflective Material	3M
Chevron sizes	400mm/600mm/800mm with or without borders.
D606 traffic sign	600-1200mm diameters
Orientation of chevron	Left or Right
BS EN 12767:2007	100:NE:4
BS EN 12767:2019	100-NE-A-R-NS-MD-0 70-NE-A-R-NS-MD-0 50-NE-A-R-NS-MD-0
Recyclable	Yes



Manufactured in house

Evo-Chev systems are pre-built for easy installation, and labelled to show exactly in which order to be positioned. For extra ease they are placed on pallets in the correct order. TMP build products to last and meet your specific needs, all the materials are selected for optimum impact performance to suit all seasons in the UK.