



# NOBLE TRUCK SHUTTERS

MANUFACTURE - INSTALLATION - REPAIRS

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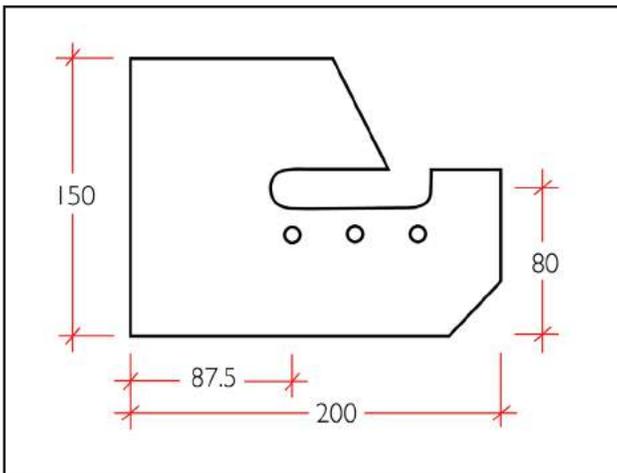
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## BRACKET, CORNER, TRACK & SEAL INFORMATION

Please see the “OUR PRODUCTS” page of this site for individual component measurements and shutter options.

### CAPSTAN TYPE BRACKETS

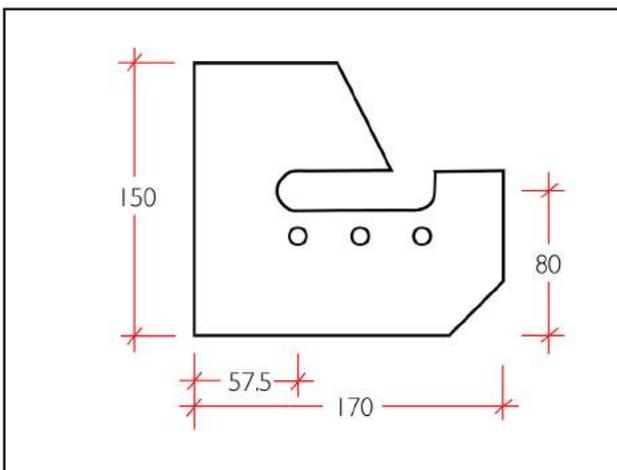
All capstan type brackets require a minimum of 50mm side room on each side of the opening. The capstan is fixed to the end of the shutter's axle and is bolted to the outside of the bracket.



#### STANDARD STEEL CAPSTAN BRACKET:

Used mainly in pantech truck bodies, this type of bracket is welded straight onto the vehicles steel body framework.

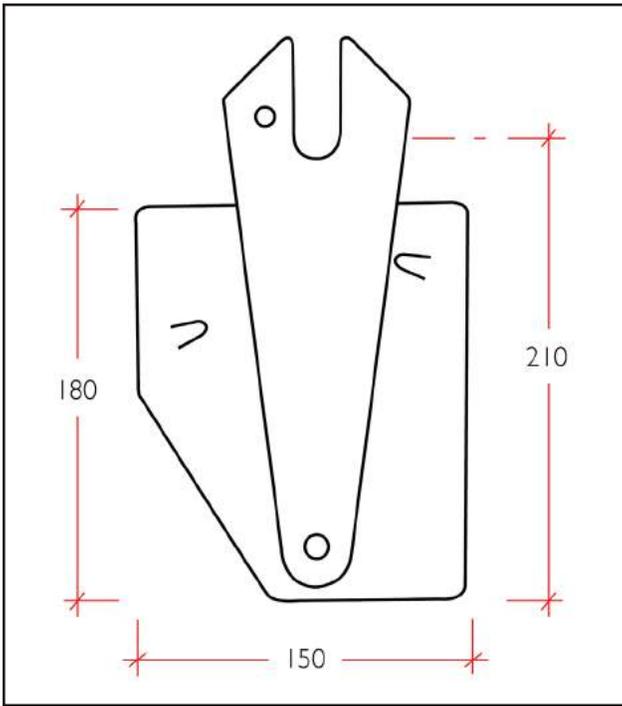
The shutter's 20mm axle drops into the slot and can be adjusted back and forth to correct centre position. When used on low shutters, it maybe necessary to trim the bracket by 20-30mm to decrease the shutter's centre.



#### ALUMINIUM CAPSTAN BRACKET:

This bracket is usually welded into large toolboxes. Note that the centre is smaller than the equivalent steel bracket, as it is designed for smaller rolling type shutters.

It is also 1mm thicker than the steel bracket, for strength and longevity.



## STEEL SWING BRACKET:

Truck shutters need a header panel which will be at least 50mm lower than the bottom of the rolled up diameter when the shutter is in the fully opened position. If a header is too small for a shutter, it will create an excessive gap and deflection between the shutter curtain and the header when the shutter is in the closed position.

When a large header cannot be achieved, swing brackets are necessary. As the shutter is pulled down to the closed position, the mounting position (or centre) of the shutter will pivot toward the header, decreasing the gap and minimizing deflection.

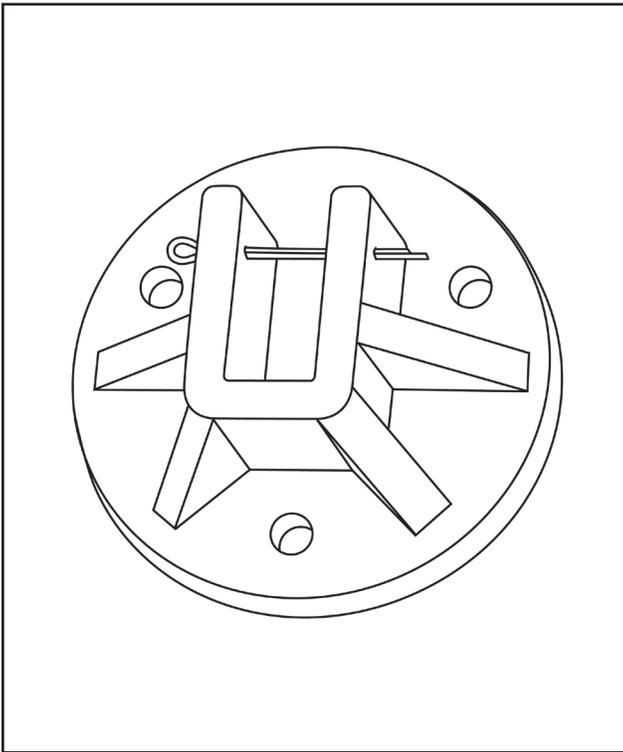
When installing swing brackets, you must remember to situate the swinging arm on the outside of the fixed plate so that the capstan on the end of the shutter's axle does not interfere with the fixed plate.

## SQUARE END TYPE BRACKETS

In the event that an opening does not have 50mm of side room available, square end brackets are needed to mount the shutter. Instead of a capstan set up, the end of the axle is squared off and slots into a 'U' shaped cup or boss bracket which can be mounted to the side wall of the vehicle body. A safety split pin is fitted above the shutter's axle after the shutter is positioned into the brackets.

It is recommended to have at least 25mm of side room so that the complete shutter can be dropped straight into the brackets. Less than 25mm of side room will make installation more complicated due to the axle not protruding an adequate distance out of the side of the shutter's curtain. In this instance, the curtain will interfere with the square end brackets.

In the case of less than 25mm of side room on each side of the opening, the shutter's curtain will need to be split into sections before installation and slid back together at intervals whilst applying tension. More tension will need to be applied to the shutter each time a section is added.



**NYLON SQUARE END BOSS:**

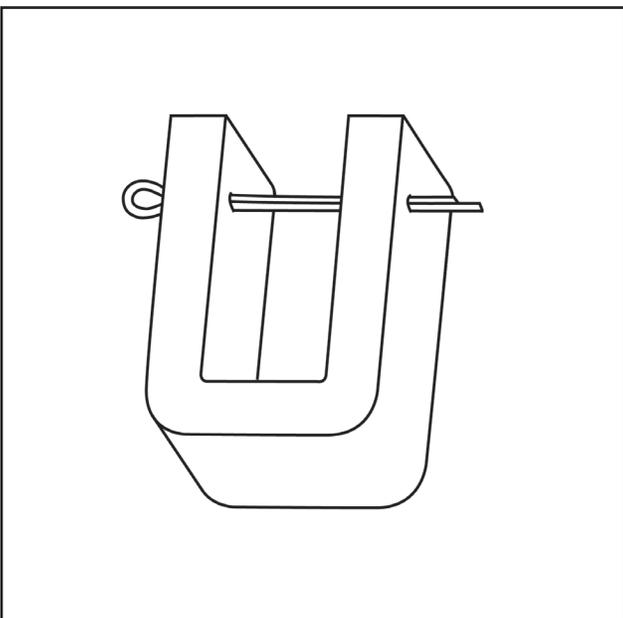
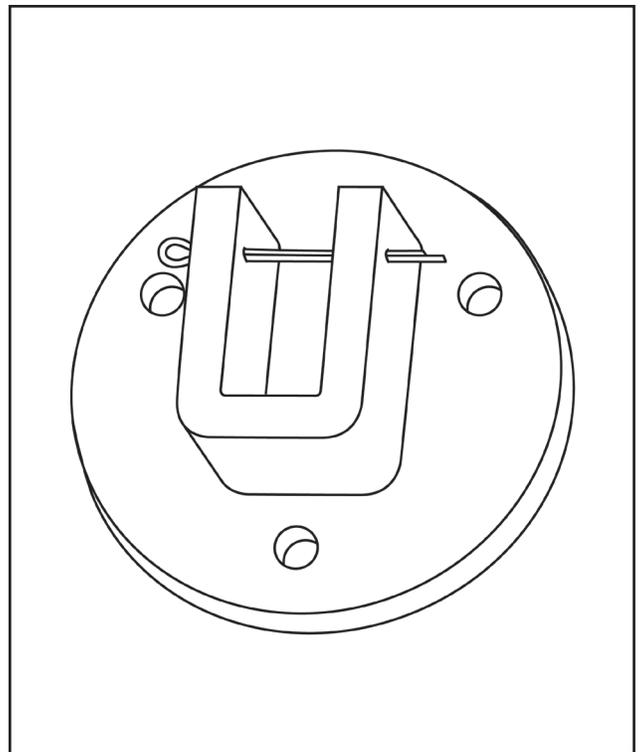
Easily rivetted or bolted to the side wall of the body or toolbox, it has 3 x 6.5mm holes moulded into an 8mm thick backing plate. It also has a centre hole so that your centre measurement mark for the axle can be seen.

The disk measures 75mm, the same diameter as the spring assisted roller.

**STEEL SQUARE END BOSS:**

Easily rivetted or bolted to the side wall of the body or toolbox, it has 3 x 6.5mm holes laser cut into the 3mm thick backing plate.

The disk measures 75mm, the same diameter as the spring assisted roller.

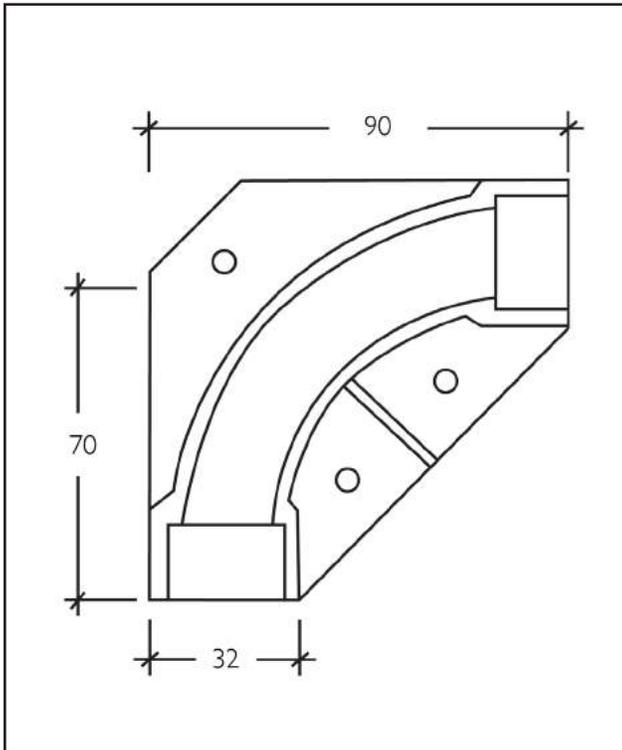


**SQUARE END CUP BRACKET:**

If a steel frame or sheeting has been used for the body of the vehicle, then the square end cup bracket can be welded directly to the body. Made from folded 25x5mm mild steel flat bar.

The axle of the shutter is cut to the measurement between the walls of the body or toolbox (less 5mm).

## NYLON CORNER



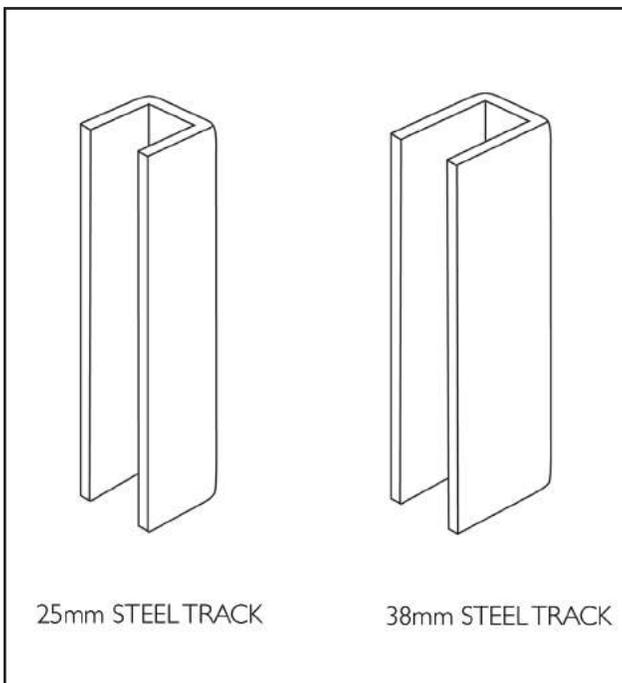
### NYLON CORNER:

When a sliding shutter is supplied, it will come with nylon corners as a standard. These are affixed to the corners of a toolbox before the 25mm tracks are inserted into the two moulded sockets.

Nylon Corners create a smooth 90 degree, 75mm diameter bend that the shutter's curtain can travel along.

They are also used in toolboxes for small rear mounted rolling type truck shutters. A header of only 100mm is required to hide the Nylon Corners and the radius turn of the shutter.

## TRACKS & SEALS



### 25mm & 38mm STEEL TRACKS:

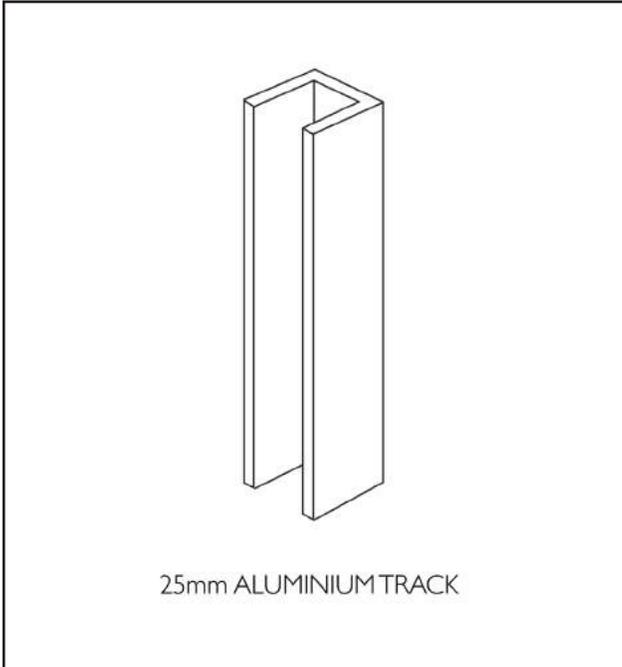
Used on pantech trucks and steel framed toolboxes, steel tracks are usually welded straight to the frame work of the vehicle. They are more durable than aluminium tracks and therefore are suited to larger shutters where forklifts are prone to bumping the sides of the truck.

Both sizes are available in galvanised 2.5mm material and the 25mm type are also available in zinc anneal for easy welding and painting. If damaged, this type of track can usually be easily repaired by re-straightening and welding.

## ALUMINIUM TRACKS:

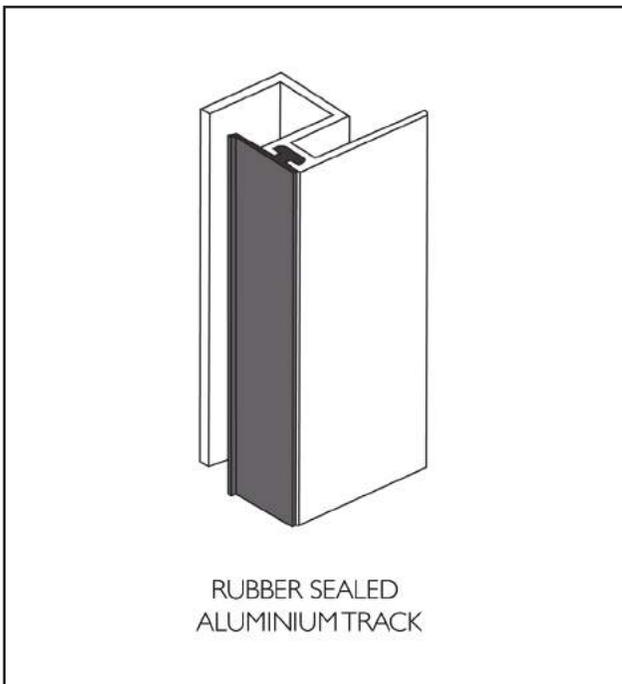
Drill and countersink holes in the rear of the channel so that fixing screws or rivets do not interfere with the operation of the shutter.

Be sure not to drill and countersink holes where the bottom rail will sit at the top of the tracks when in the fully opened position and where the bottom rail locking bar holes will need to be drilled near the bottom.



### 25mm STANDARD ALUMINIUM TRACKS:

When using smaller shutters or toolbox shutters, aluminium tracks are sufficient and are available in mill and anodised finish. Although they can be welded to the toolbox, rivets or screws are generally used so that any accidental future shutter damage can be easily accessible and repaired without cutting into the toolbox.

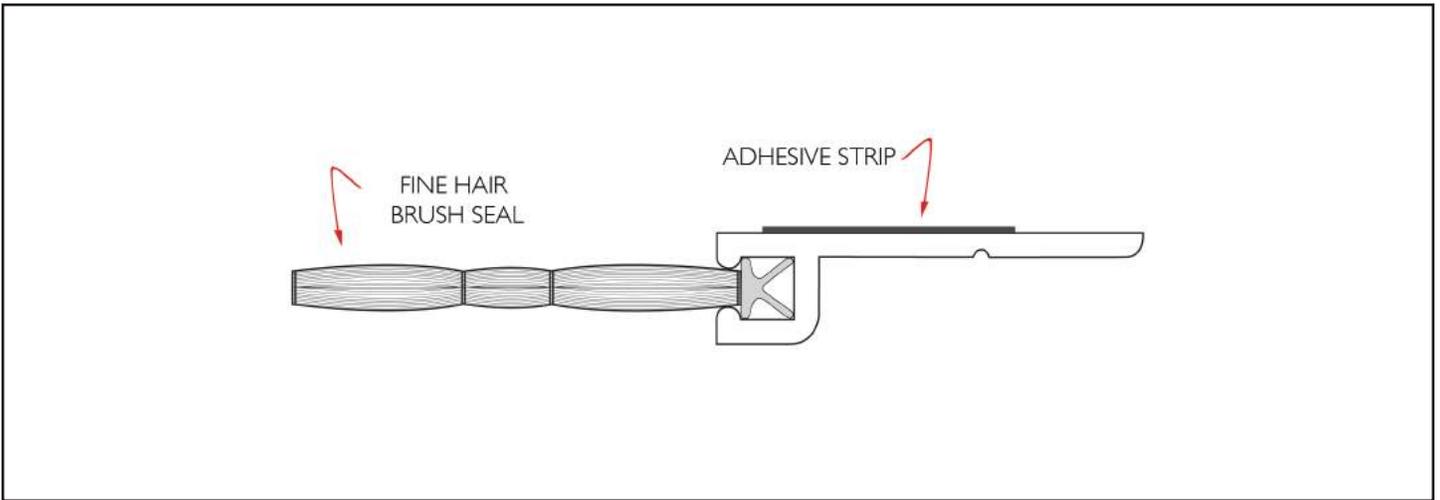


### RUBBER SEALED ALUMINIUM TRACKS:

Mostly used on smaller shutters or toolbox shutters within service vehicle bodies, rubber sealed aluminium tracks help to cut down on shutter rattle noise. They also keep out weather and dust.

They can also be used on larger shutters but will wear on the top lead in curl at a rate far quicker than steel tracks.

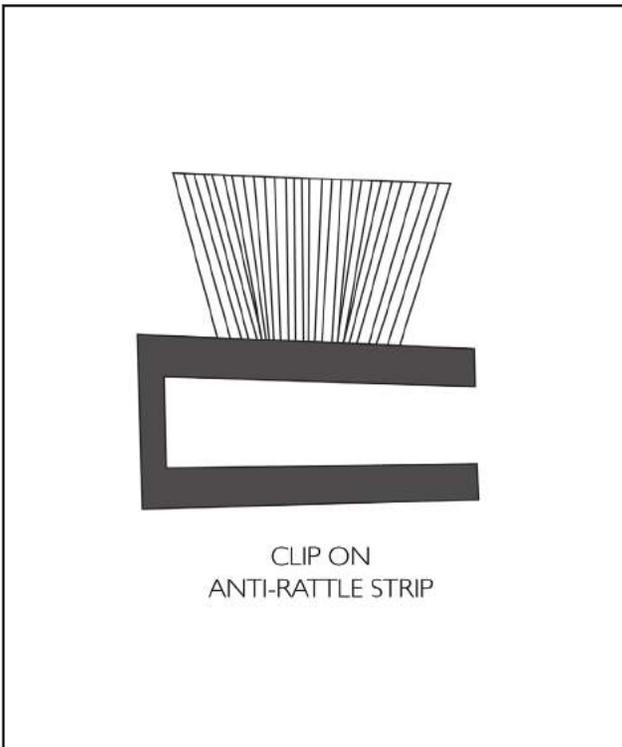
This type of track has a return that overlaps the face of the vehicle body by 15mm which is handy when sheeting is used to clad the vehicle body. The track forms a clean edge to the opening covering the edge of the sheeting.



### HEAD SEAL:

Fitted with a strong adhesive strip, this product can be fitted to the underside of the gutter folded into the header of the vehicle body. The fine brush seal reduces the chance of water and dust entering the vehicle between the header and shutter curtain.

When using the head seal, larger shutters must be installed well to minimize deflection. Otherwise the seal will not touch the shutter's curtain in the centre when the shutter is in the closed position. This is not an issue on smaller shutters as there is almost no centre curtain deflection.



### ANTI-RATTLE STRIP:

When using standard steel or aluminium tracks, a clip on anti-rattle strip can be fitted to the front leg of the track to help minimize the rattle of the shutter's curtain whilst the vehicle is in motion.

Although the anti-rattle strip fits tightly to the track, a small amount of adhesive within the clip on channel is recommended. But not so much that the strip cannot be easily removed and replaced.