



S-BOX
CHAMELEON™

**POP-UP SOCKETS
FOR INTERIOR DESIGN**





CAUTION: To Reduce the Risk of Electric Shock
Use only Indoors

DANGER: Risk of Electric Shock, Unit Shall be
Connected to a GFCI Receptacle or connected to
a GFCI branch circuit.

**Suitable for installation in a kitchen or
bathroom counter top surface**

CAUTION: Pour réduire le risque d'utilisation de
chocs électriques uniquement à l'intérieur

DANGER: Risque de choc électrique, unité doit
être connecté à un réceptacle GFCI ou connecté
à un circuit de branche GFCI.

**Convient à l'installation dans une cuisine ou
salle de bains comptoir surface supérieure.**

S-BOX™

POP-UP SOLUTIONS



2-PORT POP-UP SOCKET BOX MINI-TR CHAMELEON MODEL



CUTTING INSTRUCTIONS AND INSTALLATION GUIDE

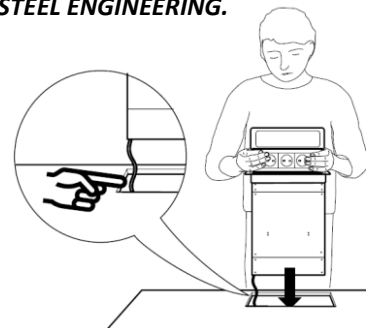
WE RECOMMEND THAT ALL 'CUT-OUT' PROCESSES
AND/OR ANY 'CUSTOM TOP' FABRICATION SHOULD BE
DONE BY YOUR SPECIALIST WORKTOP PROVIDER

The S-Box™ Chameleon TR Models are specifically designed for installation at exactly -20mm (13/16") below surface - for an invisible and camouflaged location in the Counter.

This enables pop-up sockets to remain hidden from view until they are required!



All S-Box™ Chameleon units drop into position from above.
No fixings required. They are **SOLID STEEL ENGINEERING.**



This method involves:

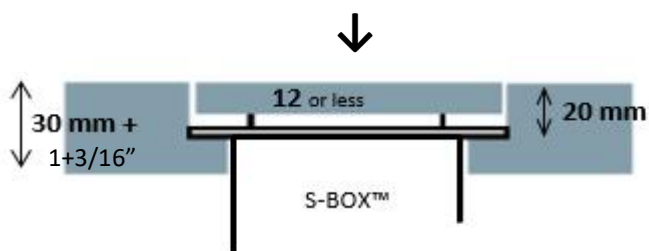
1. The installation of the main unit structure **at exactly 20mm (13/16") below the Counter-top on a rebate**, so that the product can then receive custom top – one that is duly flush with, and matching with its surroundings.
2. The creation of a Custom Top - **maximum 12mm (1/2")** - to place on the unit itself.

In worktop materials of **30mm (1+3/16")** thickness and above, the installation is achieved by sitting the unit's collar on a **true rebate** cut **within** the material itself.

For materials of **20mm or 12mm** thickness, installation is achieved by sitting the unit's collar on a **"false" rebate**. This is created by using a second/slave material immediately below.

SEE THRU-VIEWS and EXAMPLES BELOW (NB. REBATE IS ALWAYS 20mm)

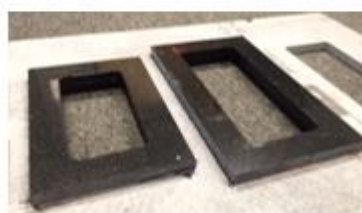
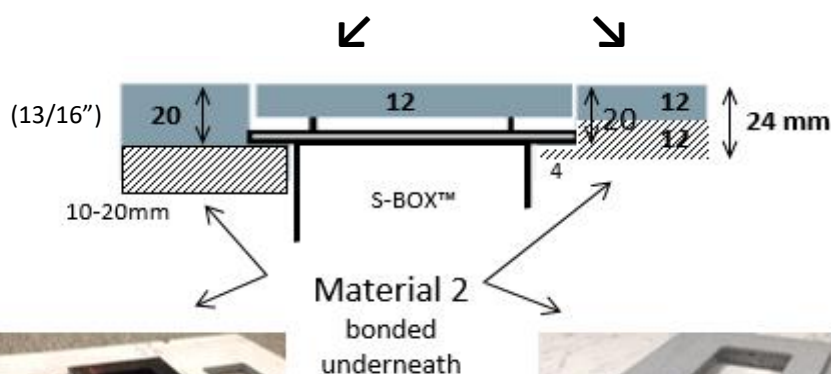
TRUE REBATE IN 30mm MATERIAL



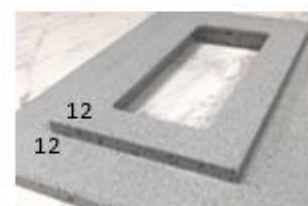
Rebate in 30mm GRANITE or QUARTZ



FALSE REBATE IN 20 or 12mm MATERIAL



False Rebate using 20mm QUARTZ



Rebate using 12 + 12mm CORIAN®



SO ANY S-BOX™ THAT IS TO BE INSTALLED INTO STONE IN ITS HIDDEN “CHAMELEON” MODE, NEEDS THE INVOLVEMENT OF THE STONE FABRICATOR AND HIS CUTTING TOOLS . . .

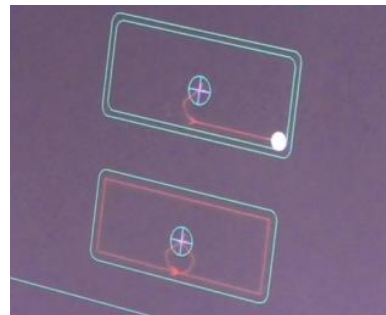


IN MATERIAL SUCH AS TIMBER, THIS CAN BE DONE BY HAND-TOOLS, BUT IN STONE MATERIAL (such as GRANITE/QUARTZ) AND IN MOST COMPOSITE MATERIALS, ALL PROCESSES ARE CARRIED OUT IN-FACTORY.

THIS IS THE SAME WAY THAT ANY STONE COUNTER IS PRE-CUT FOR THE SINK, THE FAUCETS, EXTRACTOR OR COOKER HOB.



THE CUTTING TOOLS (*TYPICALLY CROSS-CUTTER and CNC ROUTER*) ARE PROGRAMMED WITH THE DIMENSIONS REQUIRED.

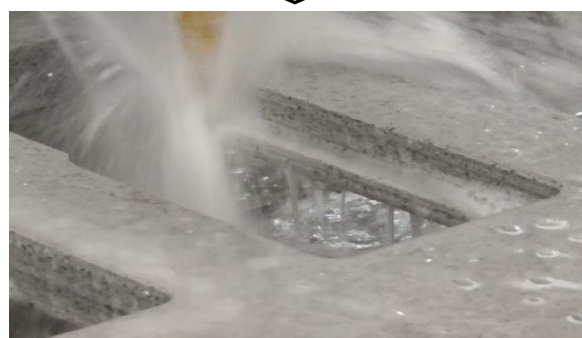


NB.
A ROUTER STARTS ITS CUTTING ROUTE FROM THE CENTRE POINT WHEN IT MACHINES OUT ANY HOLE.

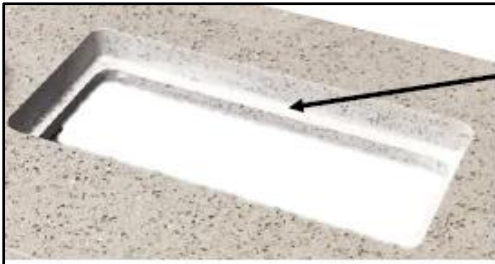


In 20mm material (or less) the hole will only be a full thru-cut one, with the rebate added later by using a second material underneath)

In the case of 30+mm material, machining will also include making the rebate for an S-Box™.



TO CREATE THE REBATE IN 30mm MATERIAL – THE ROUTER CARRIES OUT TWO PROCESSES:
THE FIRST IS A FULL THRU-CUT HOLE. THE SECOND IS TO GRIND OUT AN EXTRA 8mm, AT 20mm DEPTH.
THE CUSTOM TOP DIMENSIONS ARE 3mm SMALLER, TO PRODUCE A 1.5MM GAP TO ALL 4 SIDES.
THE KEY DIMENSIONS ARE SHOWN BELOW.



2-PORT MINI TR

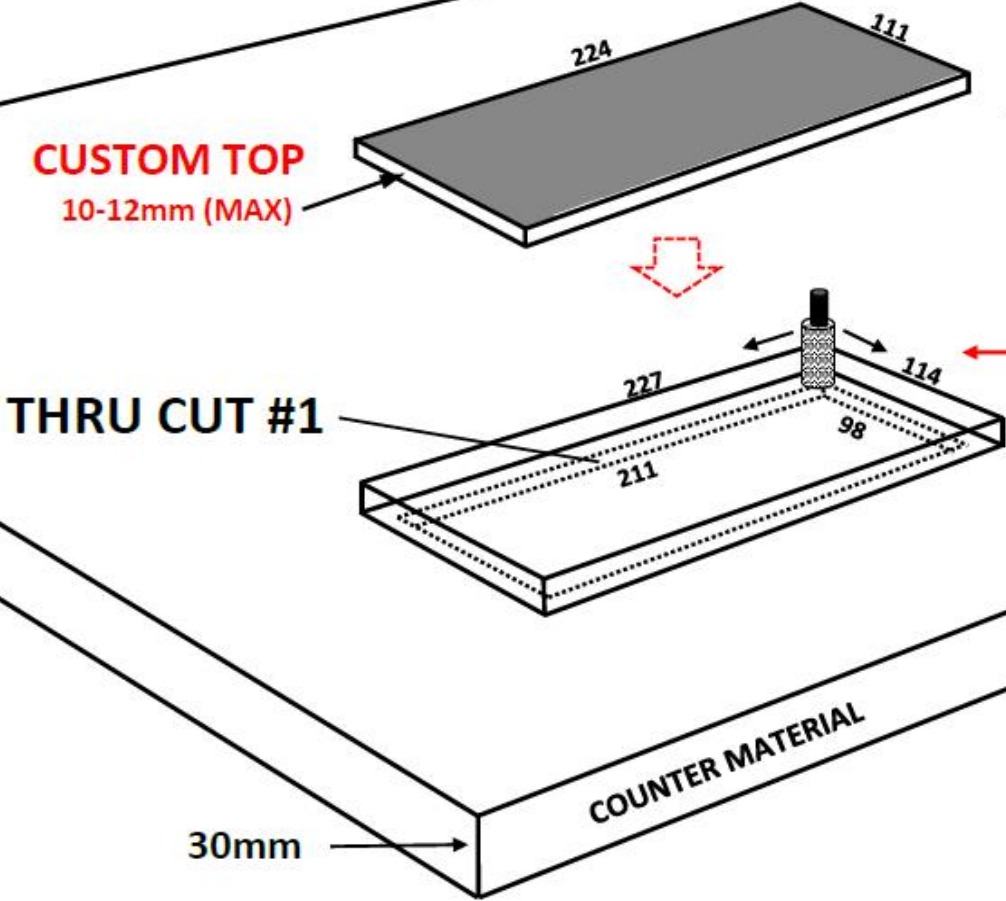
“TRUE” REBATE FOR INSTALLING
AN S-BOX™ CHAMELEON UNIT IN
30mm COUNTER-TOP

KEY DIMENSIONS

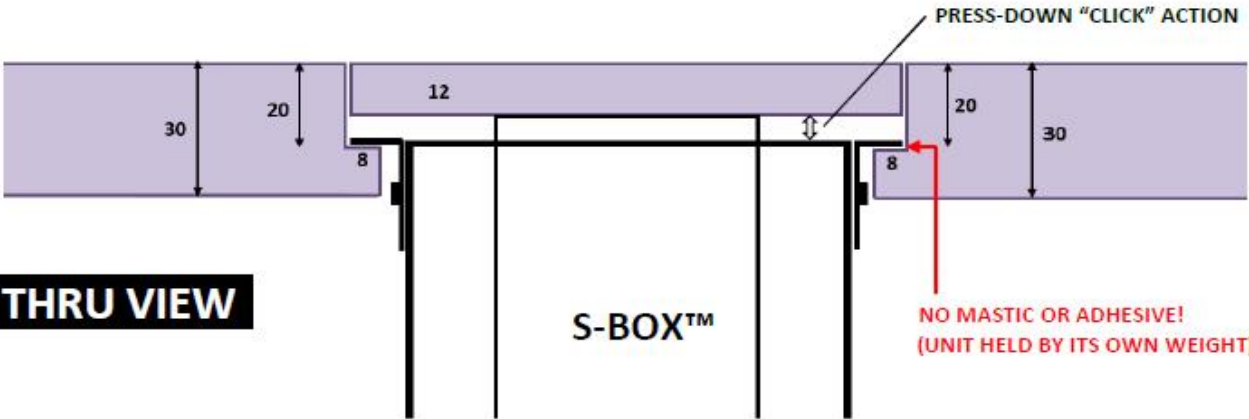
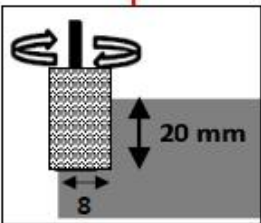
NB. THIS DIAGRAM DOES NOT SHOW RADIUS
CORNERS FROM CUTTING PROCESS OR TOOLS,
BECAUSE THEY CAN BE ANY RADIUS PREFERRED.
(as long as custom top fits inside radius of Routed-hole)



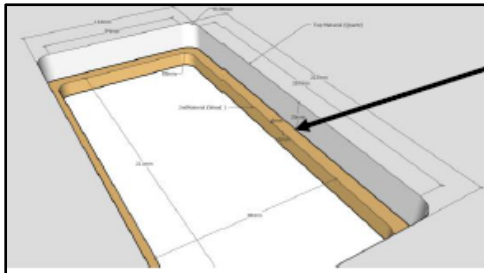
Matching thin stock or Sliced
down from Offcut material ↓



ROUTED EXTRA
8mm ALL ROUND
at 20mm depth



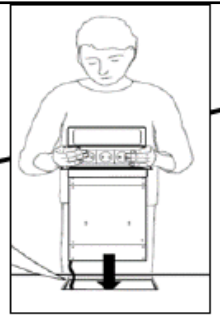
TO CREATE THE REBATE WITH 20mm MATERIAL, REQUIRES THE USE OF A SECOND/'SLAVE' PLATE.
 THE DIFFERENCE BETWEEN THE UPPER HOLE DIMS, AND THOSE OF THE SLAVE, CREATES THE REBATE.
 CUSTOM TOP DIMENSIONS ARE 3mm SMALLER, TO PRODUCE A 1.5MM GAP TO ALL 4 SIDES.
THE KEY DIMENSIONS ARE SHOWN BELOW.



"FALSE REBATE" FOR INSTALLING AN
 S-BOX™ CHAMELEON UNIT IN 20mm
 (3/4") QUARTZ COUNTER-TOP

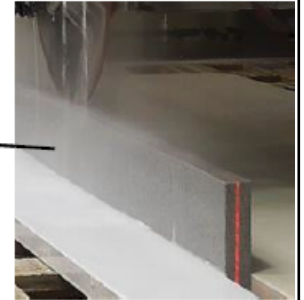
KEY DIMENSIONS

NB. THIS DIAGRAM DOES NOT SHOW RADIUS
 CORNERS FROM CUTTING PROCESS OR TOOLS,
 BECAUSE THEY CAN BE ANY RADIUS PREFERRED.
 (as long as custom top fits inside radius of Cut-hole)



2-PORT MINI TR

Matching thin stock or Sliced
 down from Offcut material



CUSTOM TOP
 10-12mm (1/2") MAX

CUT-OUT HOLE

COUNTER MATERIAL

20mm (3/4")

"FALSE REBATE" PLATE
 BONDED UP TO COUNTER MATERIAL
 (S-BOX™ COLLAR SITS ON THIS)

12mm (1/2")
 (or any suitable
 off-cut material
 between 10-20mm)

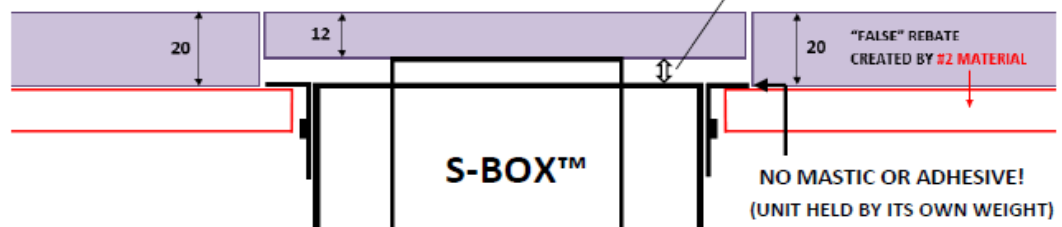
330mm (12")

200mm (8")

211

98

PRESS-DOWN "CLICK" ACTION



THRU VIEW

S-BOX™

NO MASTIC OR ADHESIVE!
 (UNIT HELD BY ITS OWN WEIGHT)

IF TOP MATERIAL IS 12mm THICKNESS, THE SLAVE MATERIAL SHOULD BE 18-20mm AND REQUIRES ITS OWN SHALLOW REBATE TO CREATE A TOTAL REBATE OF 20mm.

"FALSE REBATE" FOR INSTALLING AN S-BOX™ CHAMELEON UNIT IN 12mm (1/2") COUNTER-TOP MATERIAL

2-PORT MINI TR

KEY DIMENSIONS

NB. THIS DIAGRAM DOES NOT SHOW RADIUS CORNERS FROM CUTTING PROCESS OR TOOLS, BECAUSE THEY CAN BE ANY RADIUS PREFERRED. (as long as custom top fits inside radius of Cut-hole)

Matching thin stock or Sliced down from Offcut material



CUSTOM TOP
12mm (1/2")

CUT-OUT HOLE

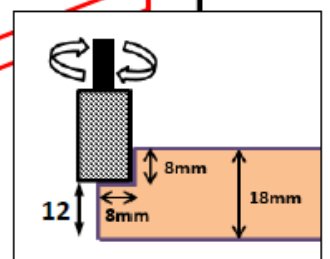
COUNTER MATERIAL

12mm (1/2")

"FALSE REBATE" PLATE

BONDED UP TO COUNTER MATERIAL
(S-BOX™ COLLAR SITS ON ITS REBATE)

**ROUTED 8mm
x 8mm REBATE**



18-20mm

200mm (8")

330mm (12")

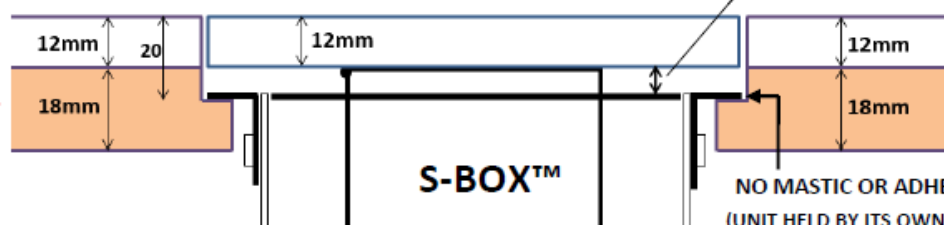
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THRU VIEW

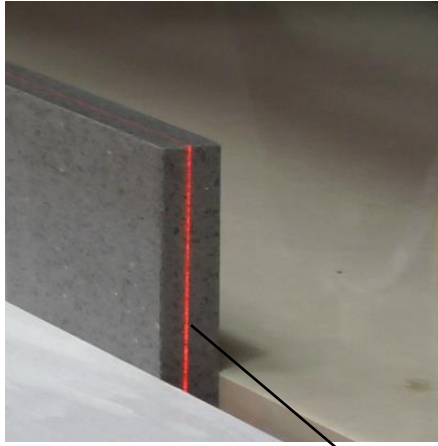


S-BOX™

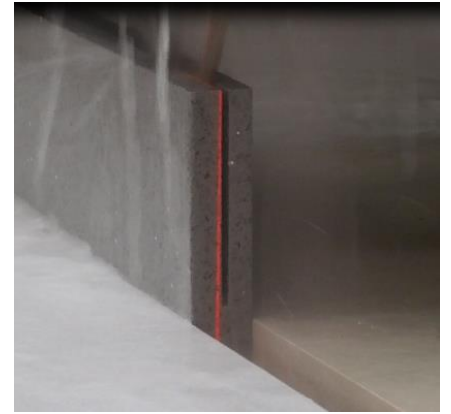
PRESS-DOWN "CLICK" ACTION

NO MASTIC OR ADHESIVE!
(UNIT HELD BY ITS OWN WEIGHT)

THE 12mm CUSTOM TOP



THE S-BOX™ CUSTOM TOP (12mm MAX) IS MADE BY 'SLICING' AN OFF-CUT PIECE OF THE COUNTER MATERIAL . . .
.. OR CAN BE MADE FROM 12mm MATCHING STOCK.



THE CIRCULAR SAW FOLLOWS A LASER LINE, AND CAREFULLY CUTS THE THICK MATERIAL DOWN INTO THE 12mm THICKNESS REQUIRED. THIS IS DONE IN A SERIES OF 8-10 PASSES TO ENSURE THE INTEGRITY OF THE STONE.

CROSS-CUTTING CREATES THE FINAL SIZE
.READY FOR THEIR CORNERS TO BE ROUNDED

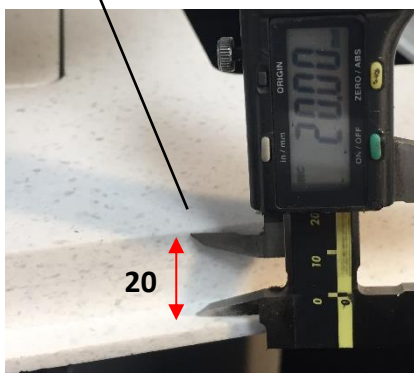


THE CORNERS ARE TYPICALLY DONE BY HAND TO ENSURE THAT THE CUSTOM TOPS WILL NEATLY MARRY WITH THE INTERNAL RADIUS OF THE HOLES. THE EXPERIENCE AND SKILL OF THE WORKTOP SUPPLIER ENSURES THAT EVERYTHING WILL FIT BEAUTIFULLY ON SITE.



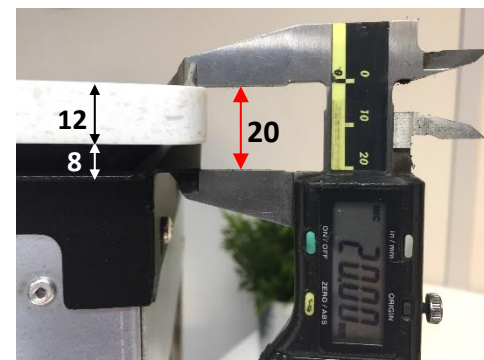
WITH HOLE AND TOP NOW READY, THE COUNTERTOP CAN GO TO SITE . . .
FOR THE S-BOX™ UNIT TO BE INSTALLED! 😊

THE 20mm REBATE



ON SITE CROSS-CHECK

THE S-BOX™ COLLAR IS ADJUSTABLE TO ENSURE THAT THE UNIT (AND ITS TOP) FIT INTO THE 20mm REBATE



Please set this (if necessary) before installation

ON SITE WEIGHT ADJUSTMENT

ALL S-BOX™ UNITS FEATURE A PATENTED & ADJUSTABLE “ZERO-ENERGY” LIFT SYSTEM

This is actually a counterbalance, operating in its own lift-shaft, and which is released to work by way of the catch. Based on the weight of the custom top material, and before the unit is installed into its rebate, this counterbalance will require subtraction or addition of weight for the individual unit to operate correctly.

To do this, place the Custom Top temporarily on top of the box >

Then open the front plate as shown below: ↓

Info:

These fixings are
T20 star screws >



You MUST now add the required amount of extra weight into the weight tray, to establish the “lift” for your Top’s particular density (ahead of it being added more permanently later).

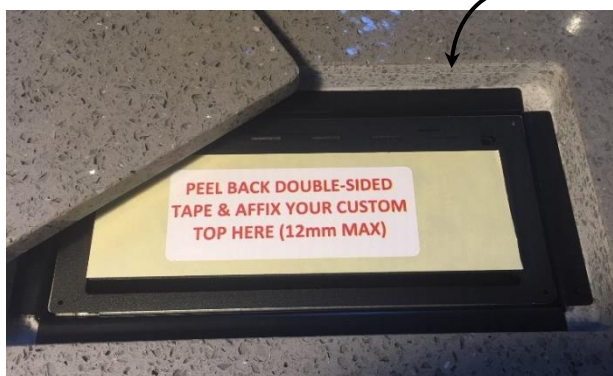


ADDITIONAL COUNTERWEIGHTS HAVE BEEN PROVIDED, SO THAT THE PARTICULAR DENSITY OF ANY 12mm “CUSTOM TOP” MATERIAL CAN BE OFFSET TO MAINTAIN THE UNIT’S SELF-LIFT.

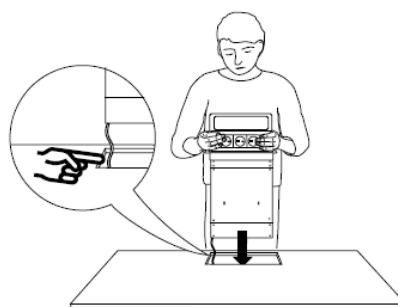
PLEASE ADD WEIGHT AS FOLLOWS
12mm CORIAN® = 0-2 additional weights
12mm QUARTZ = 4-7 additional weights
12mm GRANITE = 6-10 additional weights

Refasten Door when you have completed this

You can now introduce the S-Box™ unit into its rebated hole.



NB. If your Top is lightweight material (such as Timber) there are weight strips that can be removed from the weight tray instead.

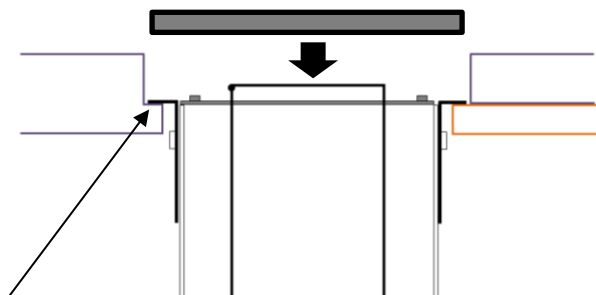


↑ For tight or even nil-radius corners the black mounting collar should be used on its own.

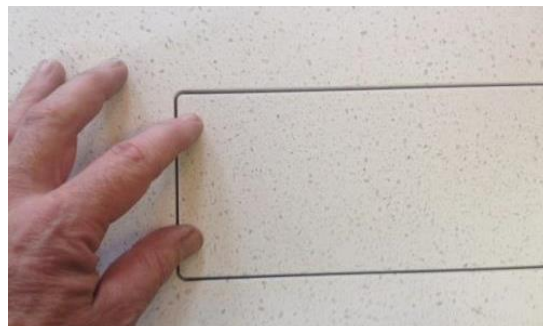
↓ For larger radius corners, an optional drop-in steel cover is supplied.



After ensuring that the Top is clean, dry and free from dust, peel back the tape and place the custom top into position. Press it firmly home. Allow 12hrs for adhesive to bond and cure.



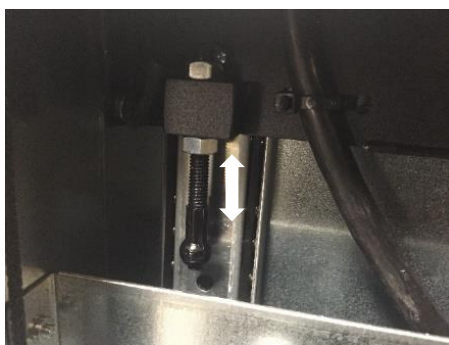
FOR STONE (GRANITE and QUARTZ) MATERIAL PLEASE ADD 3-4 OF SPOTS OF MASTIC FOR EXTRA ADHESION



*** DO NOT USE ANY MASTIC OR ADHESIVE HERE. UNIT MUST BE REMOVEABLE IF REQUIRED. IT USES ITS OWN WEIGHT FOR STABILITY.**

Any final “fine-tuning” of levels, if still required, can be achieved by adjusting the internal catch’s male ball position, so that in the closed (*catch-engaged*) position, the Custom Top and the adjacent surface are perfect.

By twisting the threaded ball part, and holding the top nut, the position of the ball can be raised or lowered by the tiniest of amounts. This can be found inside the base unit. ↓

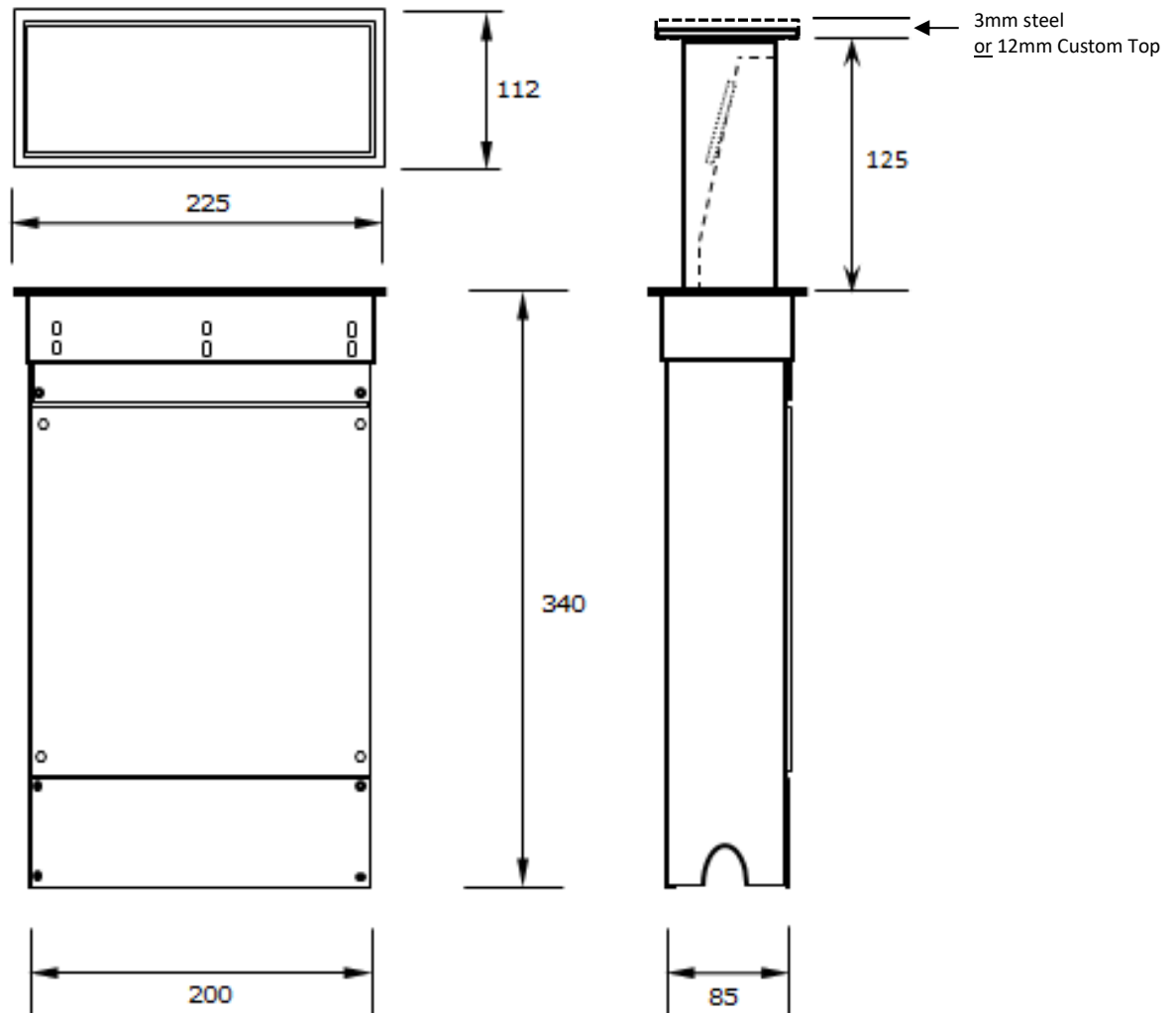


**Please Note: All electrical connections for the Power Box units must be carried out by a fully Qualified Electrician to Local Code.
(Connection is either directly into a GFCI outlet, or wired into a GFCI circuit)**

S-Box™ is a registered trademark of Cardinal IP Limited
The S-Box™ product innovation is protected by Patents - registered to Cardinal IP Limited

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PRODUCT DIMENSIONS



**WE RECOMMEND THAT ALL 'CUT-OUT' PROCESSES
AND/OR ANY 'CUSTOM TOP' FABRICATION SHOULD BE
DONE BY YOUR SPECIALIST WORKTOP PROVIDER**



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