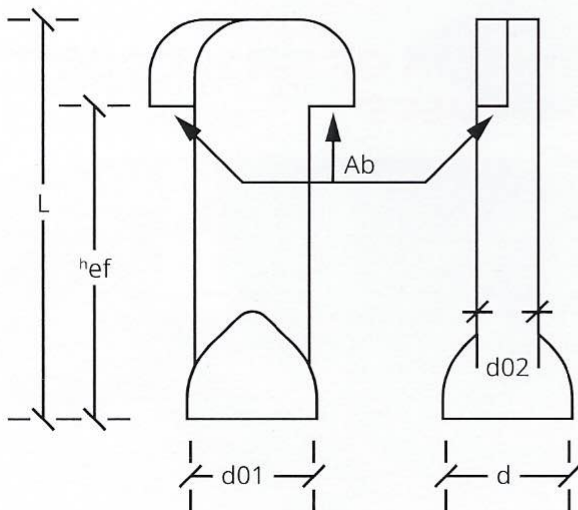


# PRODUCT DATA INFORMATION



## COMPONENT

## CAST-IN VOID FORMER/TWO PART

## PRODUCT CODE

**SCS002**

## PRODUCT DESCRIPTION

The Scissorsafe two part void former is designed to form a void in concrete that will allow insert of a Scissorsafe Anchorage

The concrete has achieved a strength of 25kN before engaging the Scissorsafe Anchorage Tool.

Concrete capacity design data is outlined below for one anchorage installation into an uncracked concrete surface.

Modification factors and group effect modification factors are not considered herein.

### 3.1 - Minimum geometric Criteria;

Critical edge distance,  $c_{or} = 1.5 h_{ef} = 145\text{mm}$

Minimum edge distance,  $c_{min} = 4 d_0 = 48\text{mm}$

Side blowout edge distance  $c_{ab} = 0.4 h_{ef} = 38\text{mm}$

## Anchoring Data

|                                                  |                    |
|--------------------------------------------------|--------------------|
| Bearing area of the anchorage ( $A_b$ )          | 100mm <sup>2</sup> |
| Effective embedment depth of anchor ( $h_{ef}$ ) | 95mm               |
| Overall length of anchor (L)                     | 125mm              |
| External diameter of anchor ( $d_{01}$ )         | 30mm               |
| External diameter of anchor ( $d_{02}$ )         | 11mm               |
| External diameter of mould (d)                   | 34mm               |



## IMPORTANT

IF YOU ARE IN ANY DOUBT ABOUT THE CONDITION, CERTIFICATION DATES OR SAFE USE OF THE EQUIPMENT PLEASE CONTACT SCISSORSAFE LTD.

**SCISSORSAFE LIMITED**  
 UNIT 12 FLEXSPACE  
 DIRECT 2 INDUSTRIAL ESTATE  
 ROWAY LANE  
 OLDBURY  
 WEST MIDLANDS  
 B69 3EG

**TELEPHONE**  
 0044 (0)7860 111 212  
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 INFO@SCISSORSAFE.CO.UK  
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## PRODUCT DATA INFORMATION

### SCISSORSAFE CAST-IN VOID FORMER INSTALLING VOID FORMERS IN FORMWORK

Scissorsafe Void Formers are cast into concrete to create an anchorage point in soffits and walls that allow the insertion of Scissorsafe Anchorage Tool's. They can be placed into vertical, horizontal or inclined formwork.



### PLANNING OVERHEAD ANCHORAGE POSITIONS FOR FALL RESTRAINT OR FALL ARREST

Before installing Scissorsafe Void Formers into the formwork, carefully plan their positions for Work restraint lifelines or Fall arrest equipment.

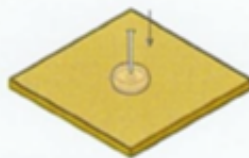
### FIXING ANCHORAGE VOID FORMERS TO FORMWORK

A setting-out plan should be prepared indicating Void Former positions.

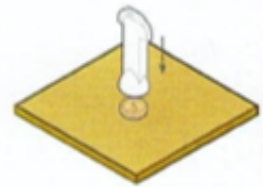
The minimum distance required from the edge of concrete is 200mm. If using in pairs for end anchorage load requirements, they should be positioned between 300mm and 400mm apart.

### INSTALLATION OF VOID FORMERS

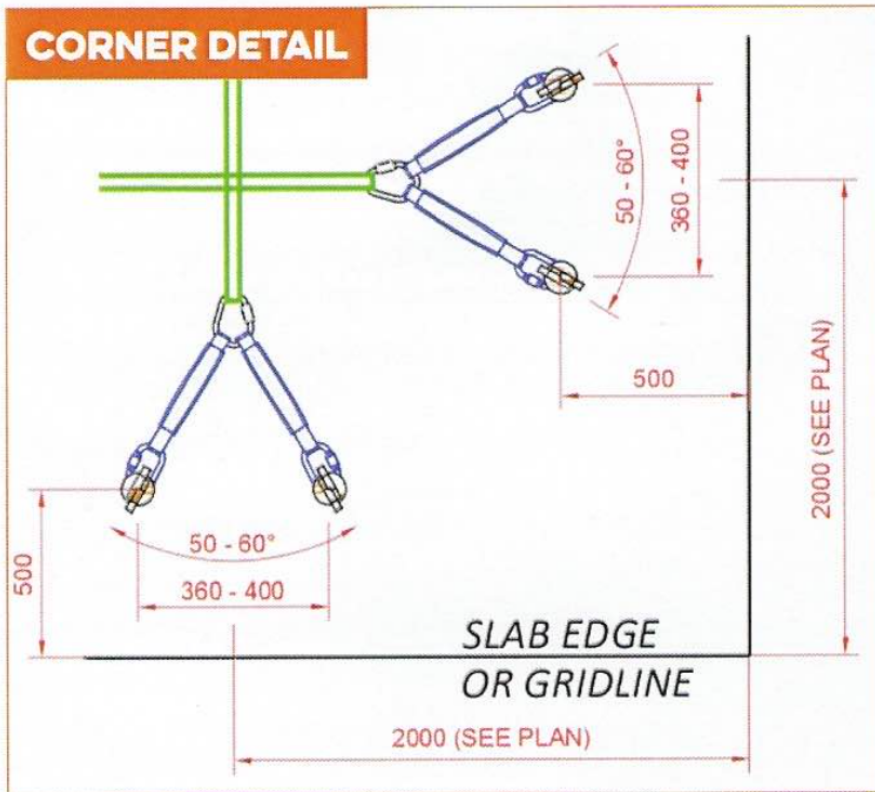
1. Nail or screw a Round Disc onto the inside face of wall formwork or on top of the decking material using a round-headed nail or 3mm x 25mm woodscrew.



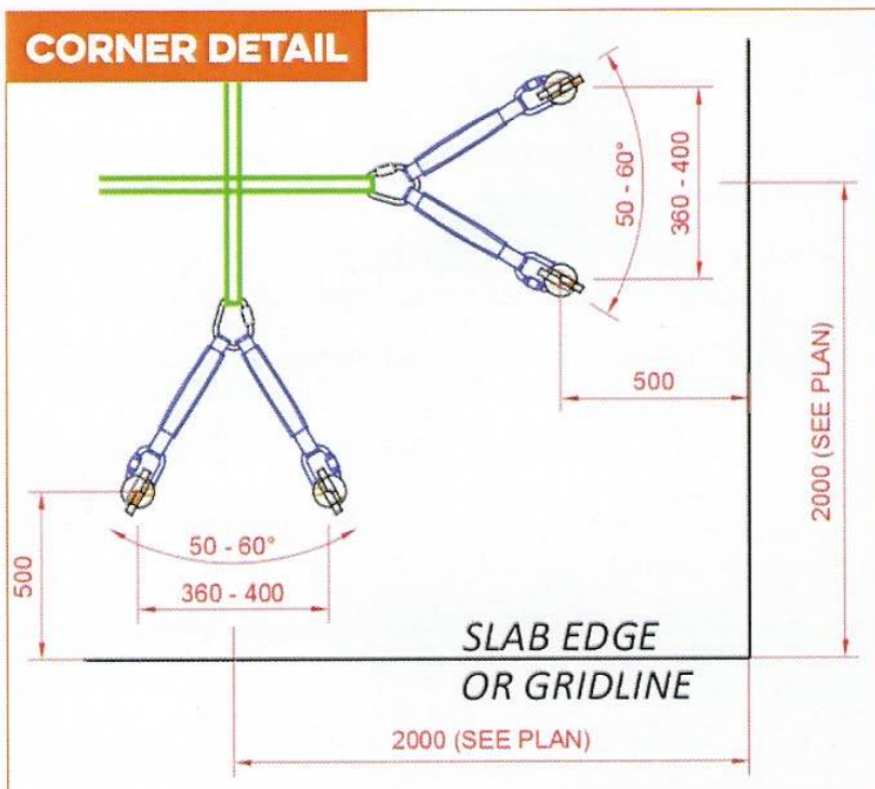
2. Place a Tee Moulds over the discs and press until you it clicks into place. The perimeter rim of the mould will be in contact with the shutter face.



## PRODUCT DATA INFORMATION



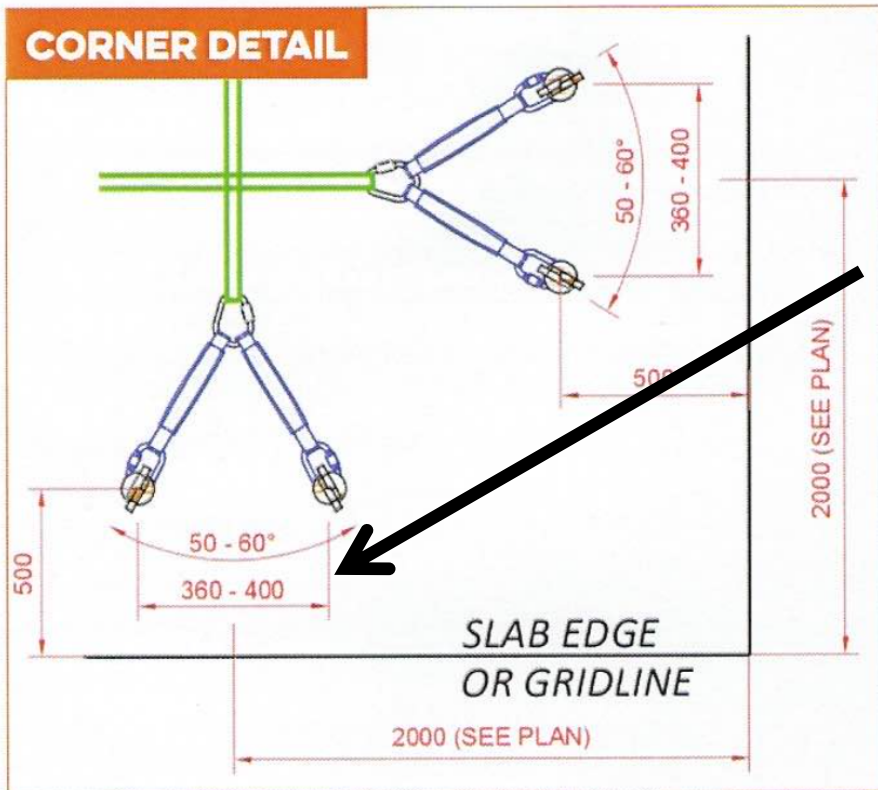
STANDARD CORNER DETAIL



SETTING OUT INSTRUCTION

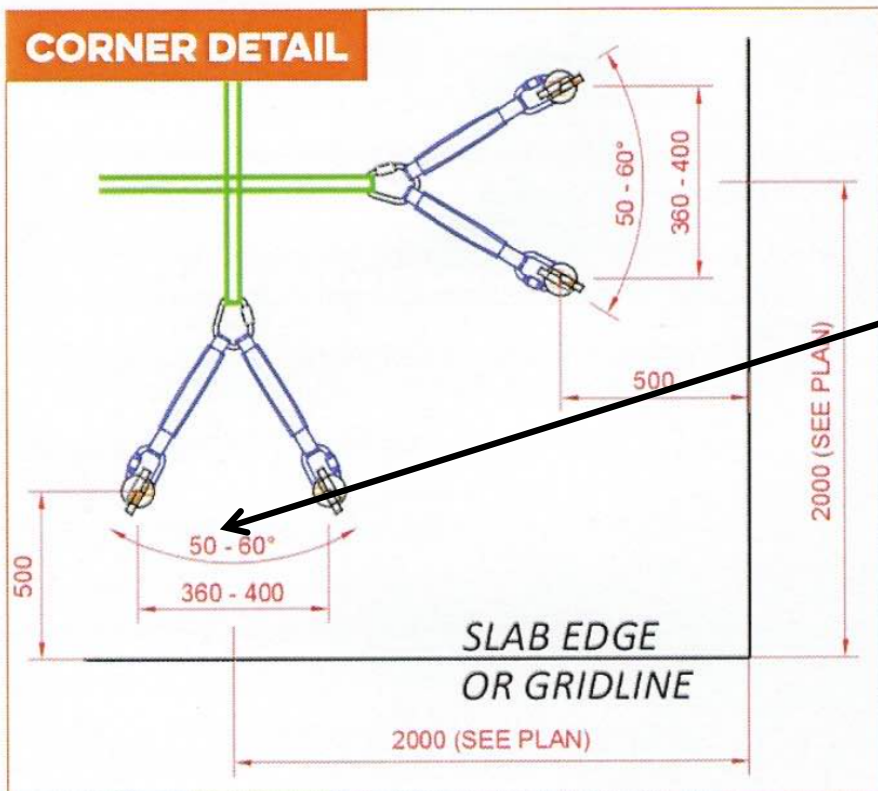
DISTANCE FROM SLAB FOR  
LIFELINE RUNNING PARALLEL  
TO IT.

## PRODUCT DATA INFORMATION



### SETTING OUT INSTRUCTION

LIFELINES ARE USUALLY SET  
2000mm FROM THE SLAB  
EDGE



### SETTING OUT INSTRUCTION

THIS REFERS TO THE CENTRAL  
POINT BETWEEN 2 X VOID  
FORMERS

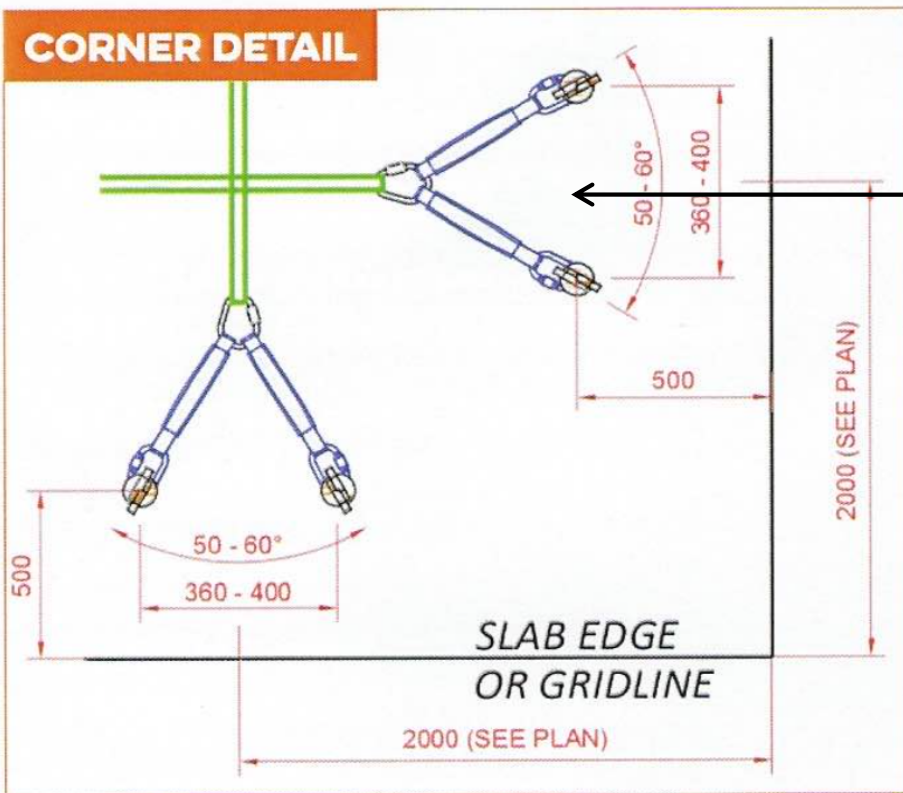
## SETTING OUT INSTRUCTION

THESE ARE SPACED BETWEEN  
300mm to 400mm  
APART

## SETTING OUT INSTRUCTION

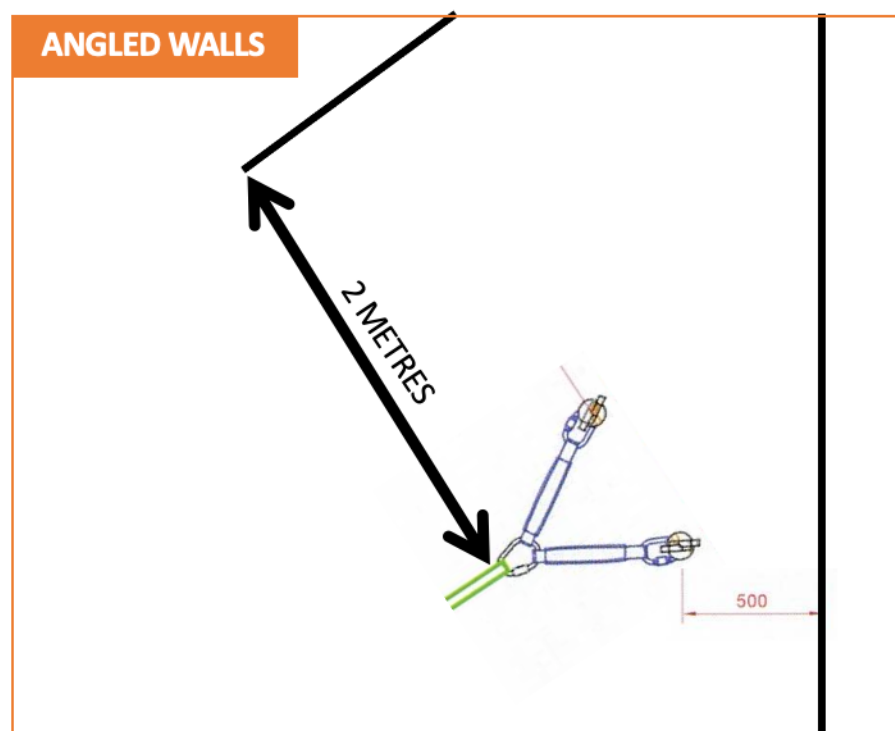
AND ARE SPACED 500mm  
FROM THE SLAB EDGE

## PRODUCT DATA INFORMATION



### SETTING OUT INSTRUCTION

REPEAT IF THERE IS A LIFELINE  
RUNNING IN THE  
PERPENDICULAR DIRECTION

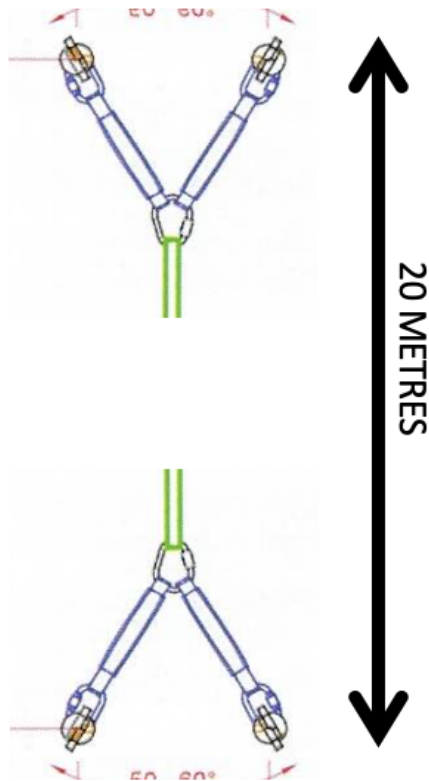


### SETTING OUT INSTRUCTION

ANGLED WALLS

## PRODUCT DATA INFORMATION

### LIFELINE EXTENTS

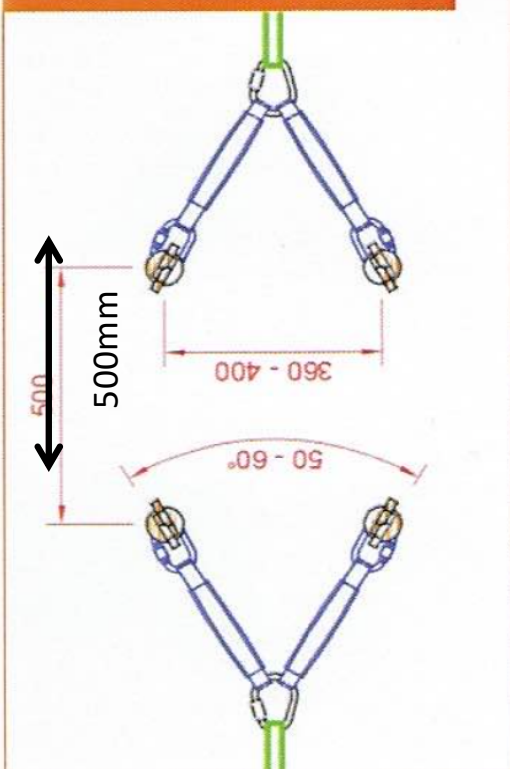


### SETTING OUT INSTRUCTION

THE MAXIMUM DISTANCE  
BETWEEN ANCHOR POINTS IS  
20 METRES

REPEAT THE VOID FORMER  
FIXING DETAIL FOR THE  
OPPOSITE END OF THE  
LIFELINE.

### MID-SPAN DETAIL



### SETTING OUT INSTRUCTION

IF THE PERIMETER LENGTH  
EXCEEDS 20 METRES

DIVIDE THE LENGTH AND USE  
THIS MID SPAN DETAIL