



PATENTED GUARDING SYSTEM

SENTRY GUARDING SYSTEM MODULAR SOLUTION

GUARDING SYSTEM | MESH CLAMP BRACKET | SIGN BRACKET
CONDITION MONITORING GUARD INSERT

sentryguardingsystem.com.au
PATENT. 2017232163



AS/NZS
4024.3610/3611



STRENGTH
TESTED



EASY
INSTALLATION



MODULAR
SYSTEM



COST SAVING
UP TO 30%



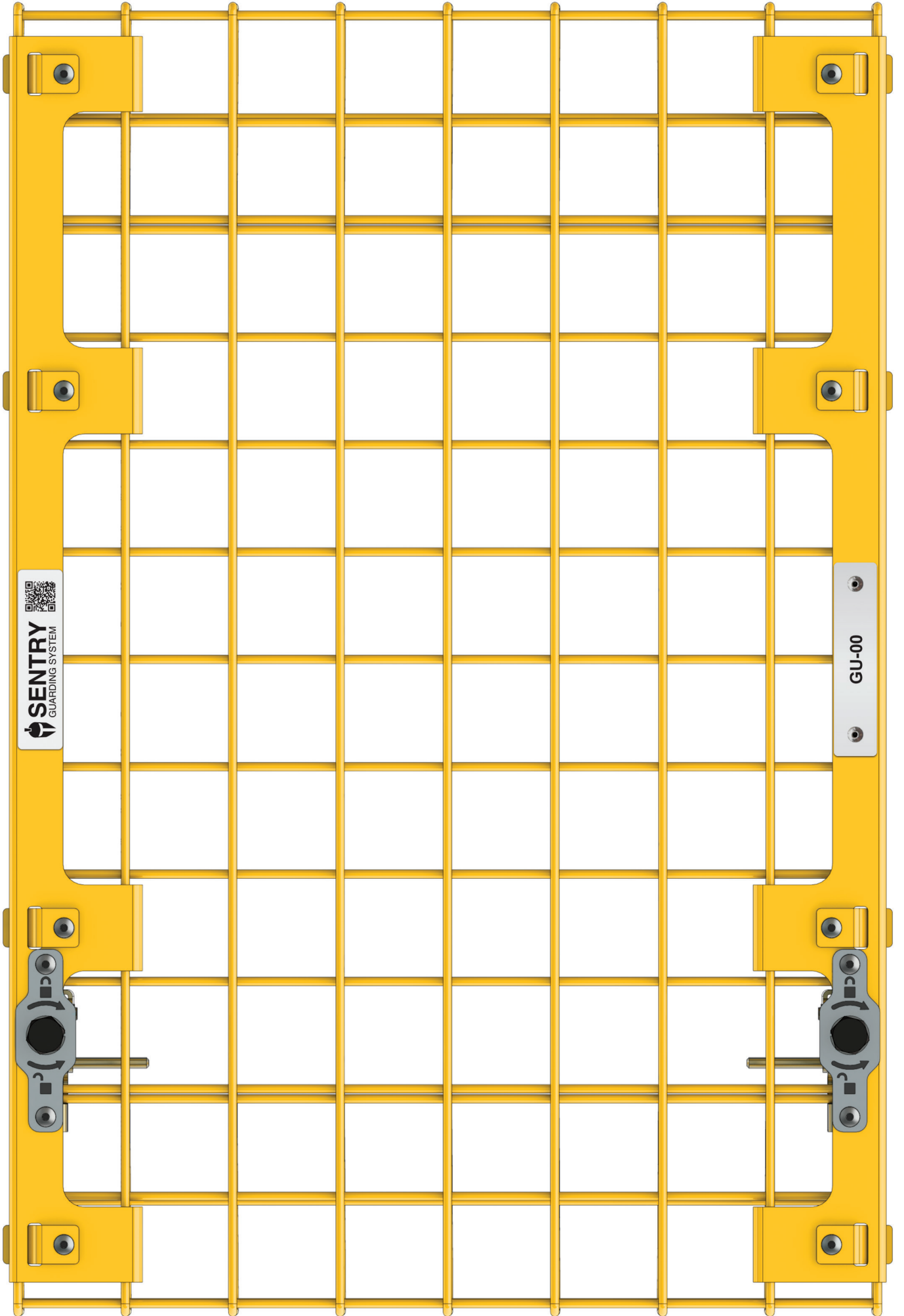
Quality
ISO 9001



Environment
ISO 14001



OHS
ISO 45001



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PATENT PENDING

INTRODUCTION

About Sentry Guarding System

Sentry Guarding System by CADDs Group is a cost effective, smart, modular guarding system that is safe and easy to install.

Our design is compliant with AS/NZS 4024.3610/3611. Sentry Guarding System has removed the need for welding on site and has a simple latch release for safe removal. The custom side brackets easily fix to standard 50x50x4mm mesh panels using a hook and lock system. Other than mesh, we can also provide custom perforated sheets in any material, including high impact acrylic sheets up to 4mm thick.

The panels connect to posts or other support structures in a method that is simple, efficient, requires no hot work on site and results in significantly reduced fabrication cost. Panels come in 1200, 900 and 600mm heights, maximum width up to 2.1m for 1200 panels and weighs under 18kgs.

Note: 1. All dimensions are in mm unless noted otherwise
2. 3D models can be downloaded at www.sentryguardingsystem.com.au

Material Specification

Guarding side bracket: Mild steel / Yellow passivated / Powder coated (UV rated)

Rivet: Stainless Steel / Aluminium

Bolt: Stainless Steel coated with Armourcote 5700

Latch: Stainless Steel 316



Finishes to your requirements or environment
We can supply in any powder coated colour.



TIME & COST SAVING
Compared with traditional guarding systems





No welding required



Latch system



Tool required for removal as per AS/NZS 4024.3610/3611



Simplified guard posts



Easy installation

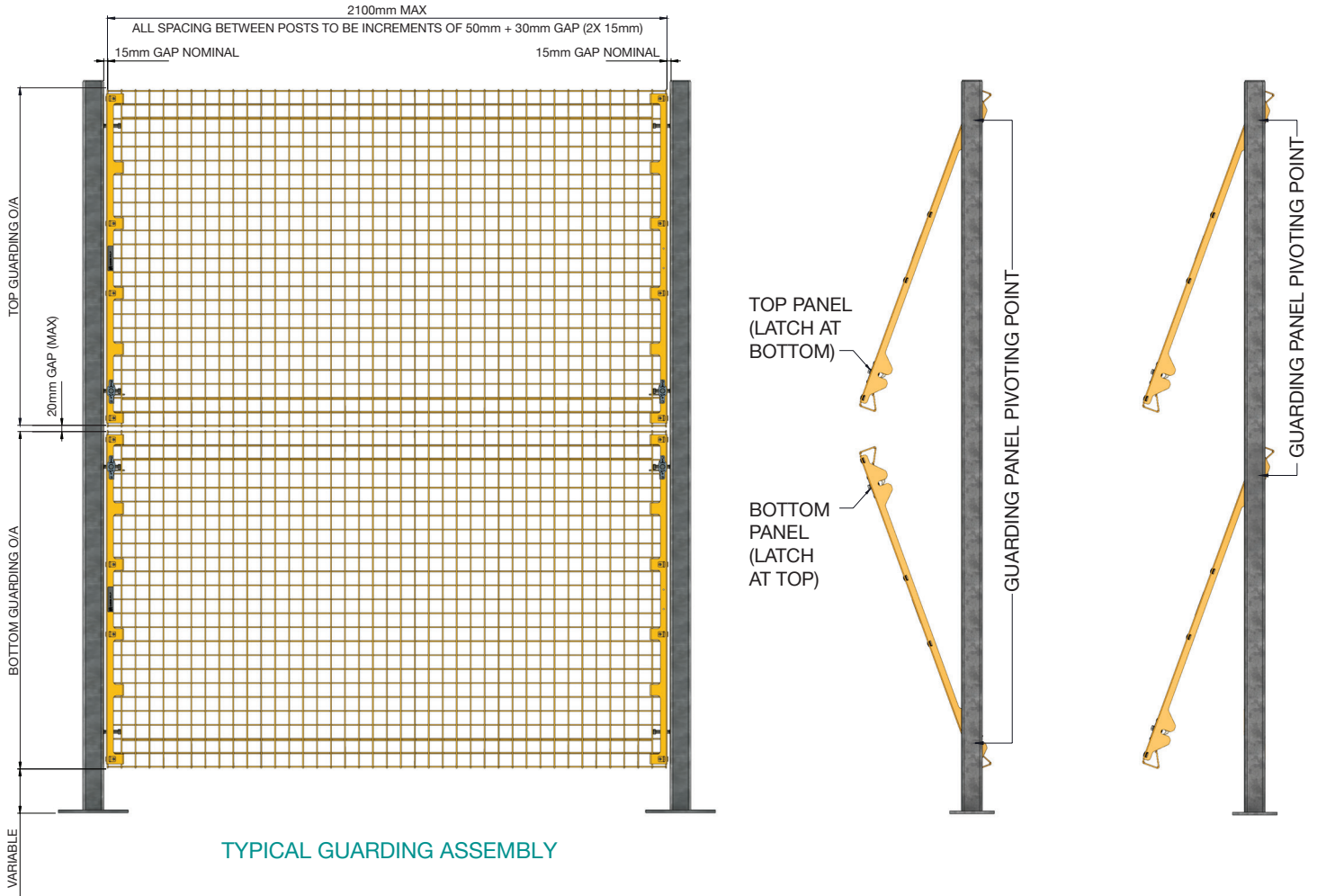


Modular design

Deflection Test

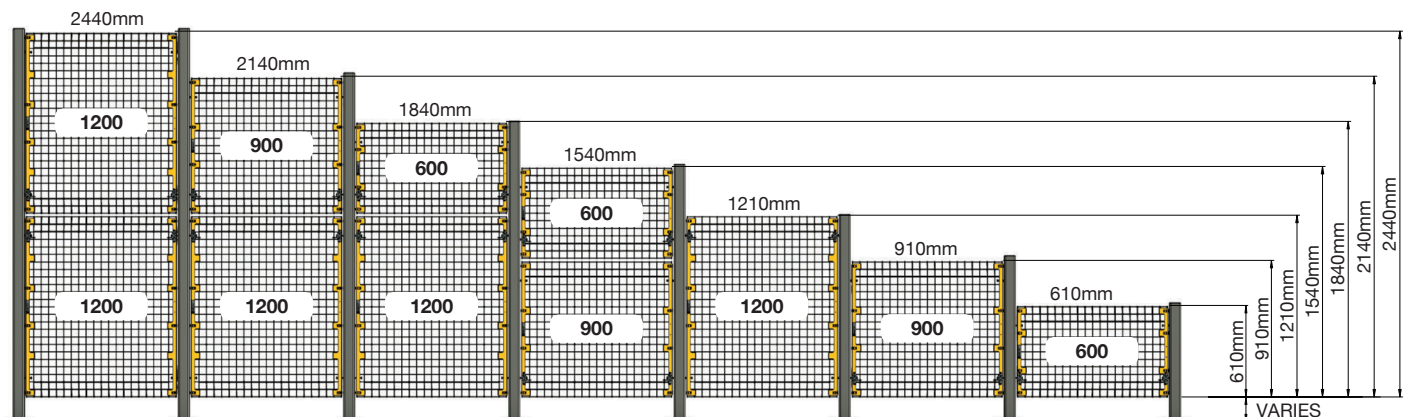
The Sentry Guarding System was tested at an accredited NATA facility as per AS/NZS 4024.3610/3611 and successfully passed the deflection test.

Basic Dimensions & Layout



Sentry Guarding Panel Height Configurations

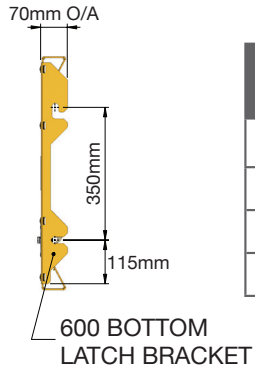
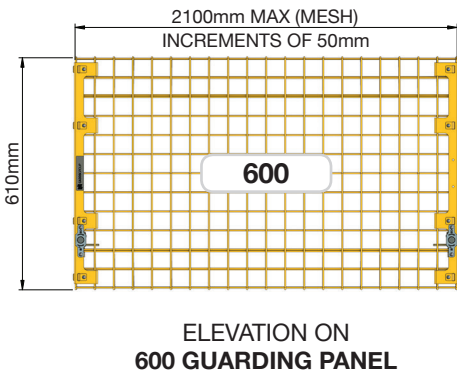
Using a combination of all three bracket heights with a variable bottom clearance (adjustable as required), a maximum Guarding height of approximately 2.6m can be achieved with an increment of 300mm. See below Guarding height with different panel configurations.



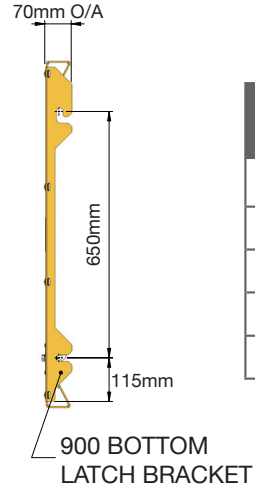
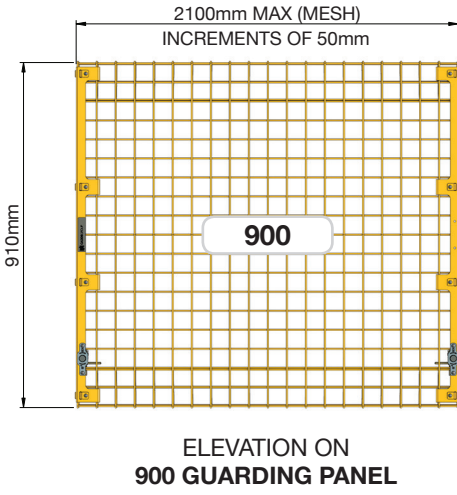
GUARDING PANEL

Sentry Guarding Panel Size

Guarding side brackets comes in three sizes, 1200, 900 and 600. The 1200 side bracket comes in a top latch and a bottom latch option to enable user to access the locking mechanism in high guarding situations. The 900 and 600 brackets are both equipped with a bottom latch mechanism. Special order for 900 side brackets, with top latch, is also available but may incur additional cost.

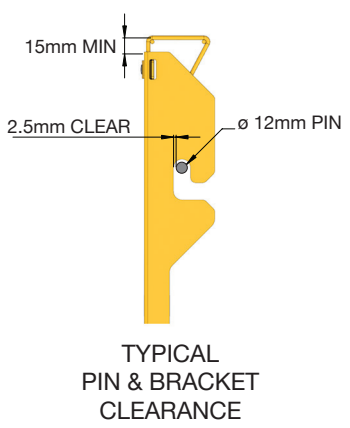
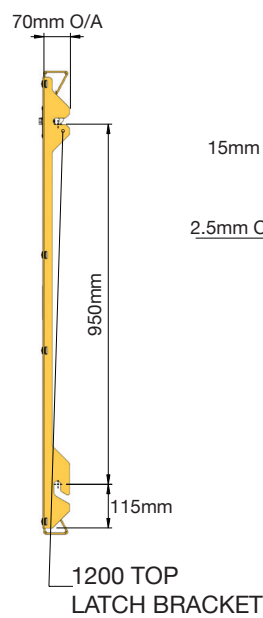
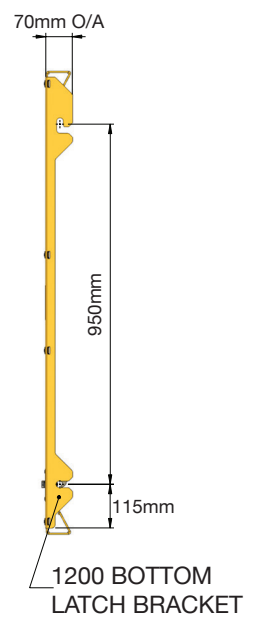
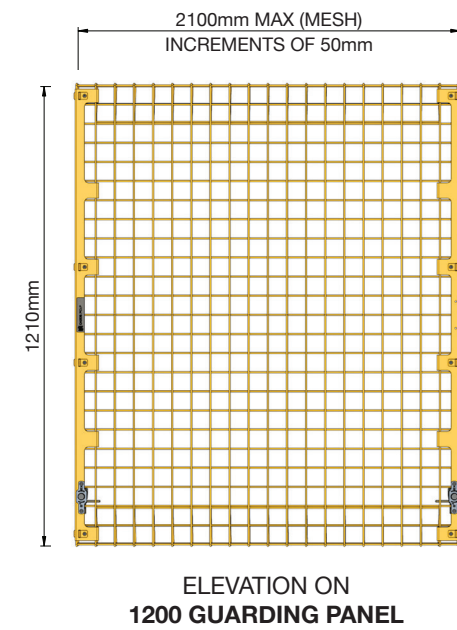


| SIDE BRACKET WEIGHT | | |
|---------------------|-------|-------|
| BRACKET | LHS | RHS |
| 600 | 0.8kg | 0.8kg |
| 900 | 1.0kg | 1.0kg |
| 1200 | 1.3kg | 1.3kg |



| GUARDING PANEL APPROX. WEIGHT | | | |
|-------------------------------|------|------|------|
| PANEL WIDTH | 600 | 900 | 1200 |
| 500mm | 4kg | 5kg | 6kg |
| 1000mm | 6kg | 7kg | 9kg |
| 1500mm | 8kg | 10kg | 12kg |
| 2000mm | 10kg | 12kg | 15kg |

EXCLUDING PAINT FINISH

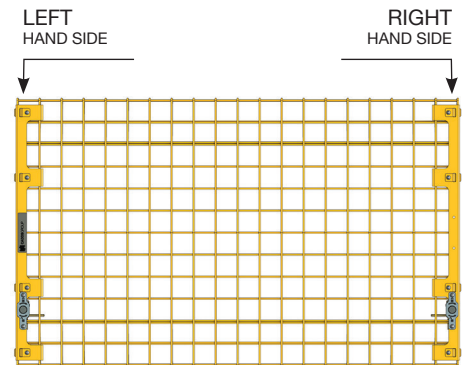


Side Bracket Order Parts Number

The part number below will specify bracket pair size and latch position.
Individual parts can be ordered separately.

| Guarding Bracket Description | Part No. |
|---|-----------------------|
| 600 Side Bracket Pair - (bottom latch) | SGS_BL_600_PR |
| 900 Side Bracket Pair - (bottom latch) | SGS_BL_900_PR |
| 1200 Side Bracket Pair - (bottom latch) | SGS_BL_1200_PR |
| 1200 Side Bracket Pair - (top latch) | SGS_TL_1200_PR |
| *900 Side Bracket Pair - (top latch) | SGS_TL_900_PR |

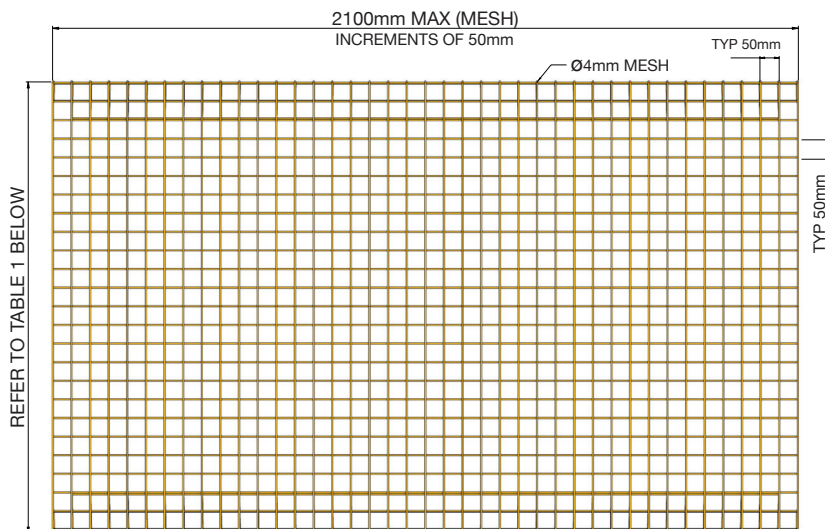
*Special order only



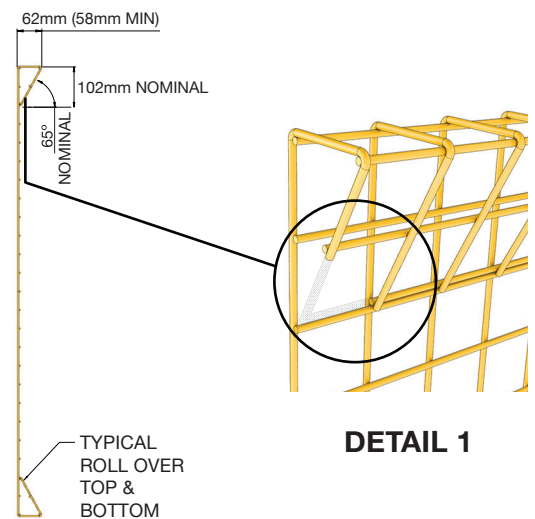
MESH PANEL

Mesh Panel Size

Sentry Guarding System only works with 50x50x4mm mesh panel. Mesh width should be cut at 50mm increments to ensure side brackets can be installed. **All** four corners must be cut prior to being folded to avoid latch interference, refer to **DETAIL 1** below. Top and bottom ends must be bent over to add strength to the panel.



PRE-BENT FULL SIZE PANELS ARE AVAILABLE UP TO 2.1m.
PANELS ARE AVAILABLE IN FINISHES LISTED BELOW.



Mesh Order Number

Use code below to order mesh panels.

SGS_MSP_12_2100_C3

MESH HEIGHT:

1210mm = 12
910mm = 9
610mm = 6

MESH WIDTH:

WIDTH IN 50mm
INCREMENTS

FINISH:

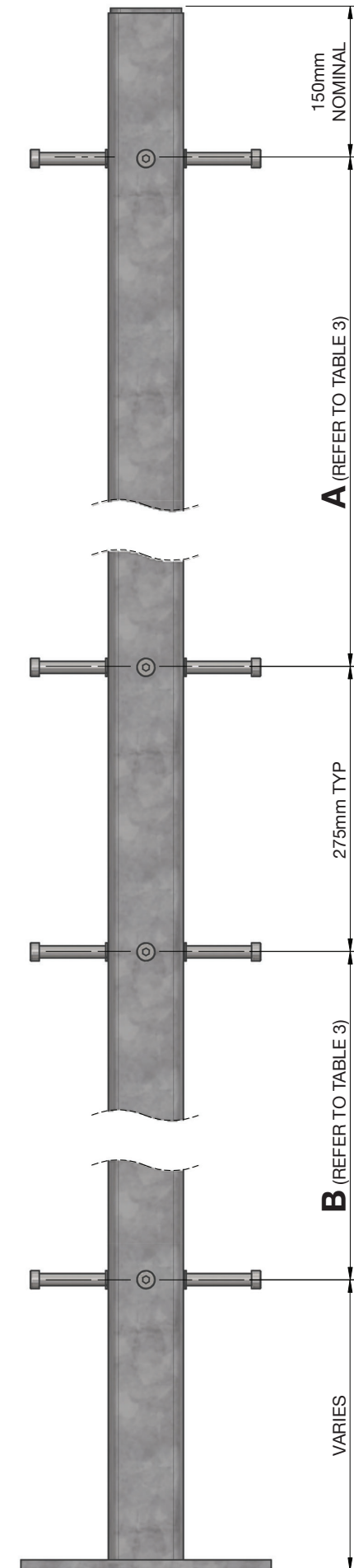
3 COAT SYSTEM = C3
1 COAT SYSTEM = C1
POWDER COATED (UV RATED) = PC
GALVANISED = GV

TABLE 1

| BRACKET HEIGHT | MESH HEIGHT |
|----------------|-------------|
| 1180mm | 1210mm |
| 880mm | 910mm |
| 580mm | 610mm |

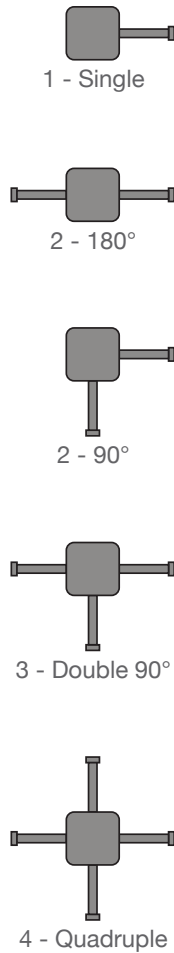
GUARDING POST

Post Size Guide



Post Configuration

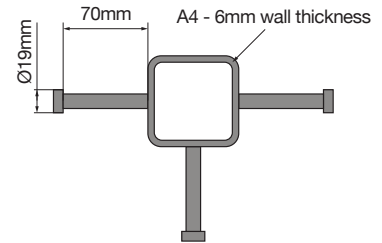
Posts can be set up in different configurations to suit a variety of guarding layouts. See available options below.



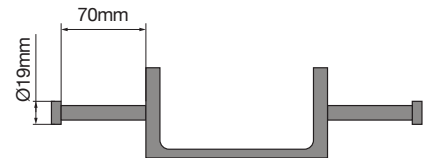
Post Fixing Options

Guarding posts can be designed / fabricated out of SHS, PFC or EA.

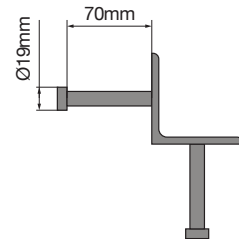
SHS with Mild Steel Shear Stud Connector (MIN 75SHS)



PFC with Mild Steel Shear Stud Connector (Min 150PFC)



EA with Mild Steel Shear Stud Connector (Min 75EA)



| SHOULDER BOLT TYPES | |
|--|--|
| Preferred Option (shown above) - Mild Steel Shear Stud Connector | |
| Option 2 - Stainless Steel Shoulder Bolt M10 | |

| TABLE 3 | | | |
|---------------------|--------------|-----|-----|
| PANEL CONFIGURATION | PANEL HEIGHT | A | B |
| 1200-1200 | 1210-1210 | 950 | 950 |
| 1200-900 | 1210-910 | 950 | 650 |
| 900-1200 | 910-1210 | 650 | 950 |
| 1200-600 | 1210-610 | 950 | 350 |
| 600-1200 | 610-1210 | 350 | 950 |
| 900-600 | 910-610 | 650 | 350 |
| 600-900 | 610-910 | 350 | 650 |
| 900-900 | 910-910 | 650 | 650 |
| 600-600 | 610-610 | 350 | 350 |
| 1200 | 1210 | 950 | n/a |
| 900 | 910 | 650 | n/a |
| 600 | 610 | 350 | n/a |

GUARDING ACCESSORIES

Refer to instruction manual for details



Mesh Clamp Bracket

Part Number:
SGS_MCB_001
Material: Mild Steel
Finish: Nickel Plated



Bolt Sign Bracket

Part Number:
SGS_BSB_001
Material: Mild Steel
Finish: Nickel Plated



Rivet Sign Bracket

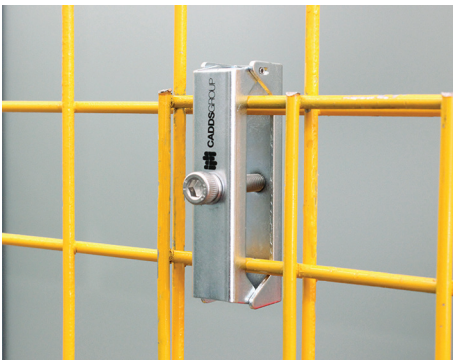
Part Number:
SGS_RSB_001
Material: Mild Steel
Finish: Nickel Plated

Mesh Clamp Bracket

Do you have problems with non-compliant and weakened guarding due to inspection openings, maintenance / repairs / extension requirements, or other penetrations in the mesh?

The Mesh Clamp Bracket is your safe, fast and cost effective solution.

The Mesh Clamp Brackets clamp infill sections or extensions to the guarding panel, allowing openings in the mesh to be closed on site, or extensions to be added, all with no welding. The clamp secures the mesh and strengthens the panel - no hot works, no cost of re-fabrication, less repair time, all Australian Standard compliant.



Cost effective method



Retrofit or extension mesh sections



No welding required

Sign Bracket

Fix anything you need to mesh guarding; quickly and safely.

Whether you are providing signage restricting access, alerting to hazards, providing directions, or fixing anything to a guarding panel, Sign Brackets are designed to simply and securely clip whatever you're fastening directly onto the mesh.

Sign Brackets - the fast, safe and Australian Standard compliant option.



Clip-on brackets



Suits all sign sizes



Secure with rivets or bolts

Condition Monitoring Guard Insert

Part Number: **SGS_CMG_001** - Square option

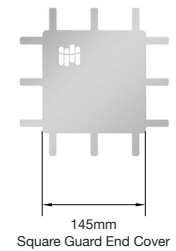
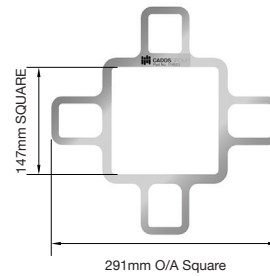
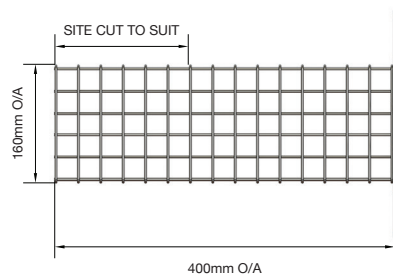
Part Number: **SGS_CMG_002** - Round option

The physical barrier between the human hand and machinery.

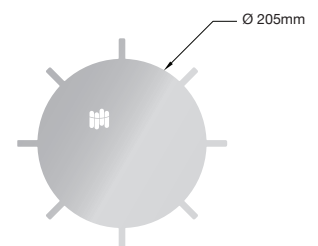
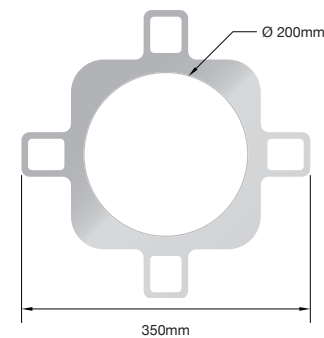
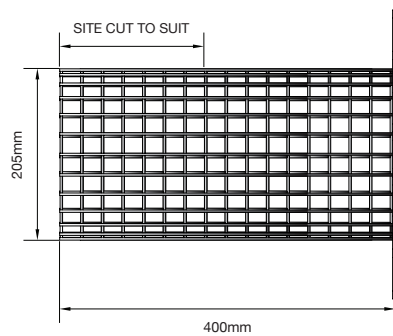
The Condition Monitoring Guard Insert provides a safer way for workers to do their periodic inspection by providing a physical barrier between the human hand and machinery. A Guard End Cover is also provided for side access monitoring points.

The Condition Monitoring Guard Insert set includes 1x CMG Insert (25x25x3mm mesh), 4x Mesh Clamp Brackets and 1x Guard End Cover (for side access).

Square option

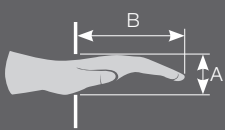


Round option

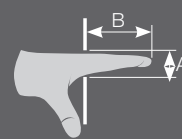


Opening Guide

As per AS/NZS 4024.3610/3611



| Opening (A) mm | Distance (B) mm | | |
|------------------|-----------------|------------|------------|
| | Slot | Square | Round |
| $6 < A \leq 8$ | ≥ 20 | ≥ 15 | ≥ 5 |
| $8 < A \leq 10$ | ≥ 80 | ≥ 25 | ≥ 20 |
| $10 < A \leq 12$ | ≥ 100 | ≥ 80 | ≥ 80 |
| $12 < A \leq 20$ | ≥ 120 | ≥ 120 | ≥ 120 |

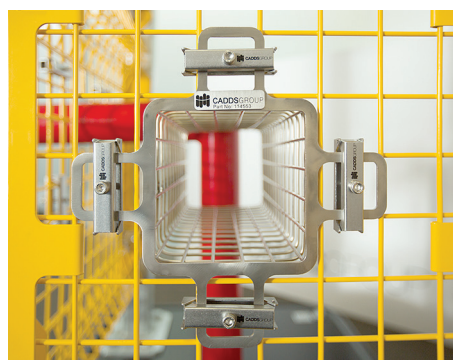


| Opening (A) mm | Distance (B) mm | | |
|------------------|-----------------|------------|------------|
| | Slot | Square | Round |
| $20 < A \leq 30$ | $\geq 850^*$ | ≥ 120 | ≥ 120 |

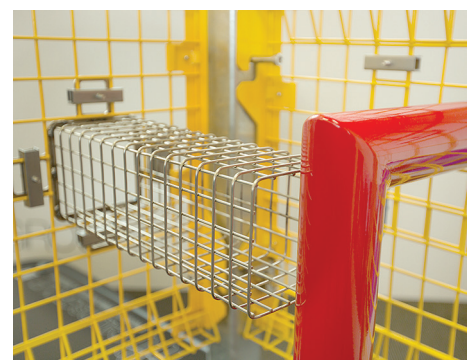
* If the length of the slot opening is less than or equal to 65mm, the thumb will act as a stop and safety distance can be reduced to 200mm.



CMG Insert secured with Mesh Clamp



Access opening of CMG Insert



Guarded monitoring point

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