



**NEPEAN**  
Conveyors

# NEPEAN Conveyors Guarding System

Innovation . Dedication . Specialisation



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**[www.nepeanconveyors.com](http://www.nepeanconveyors.com)**



**DANGER**

REMOVE STORED ENERGY AND  
ISOLATE ALL ENERGY SOURCES  
BEFORE REMOVING GUARD

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Company

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BEFORE REMOVING GUARD

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ORDERING INFORMATION <a href="http://www.nepeanconveyors.com">www.nepeanconveyors.com</a>		
CONTACT US		

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# Introduction

The NEPEAN safety guarding system was designed as a time efficient and reliable way of safely guarding hazardous areas in industrial environments. The guarding system has been developed to provide both machinery and perimeter guarding.

The system comprises of a range of posts, rails and panels to form off the shelf systems for a wide variety of applications.

All guarding meets and exceeds AS/NZS4024.3610:2015 and AS/NZS 4024.3611:2015 (safety of machinery) and with over 30 years of experience in the mining industry, NEPEAN can provide experienced personnel to systematically audit your current guarding arrangements and provide practical advice on your level of compliance and cost-effective solutions to rectify. non-compliance issues.

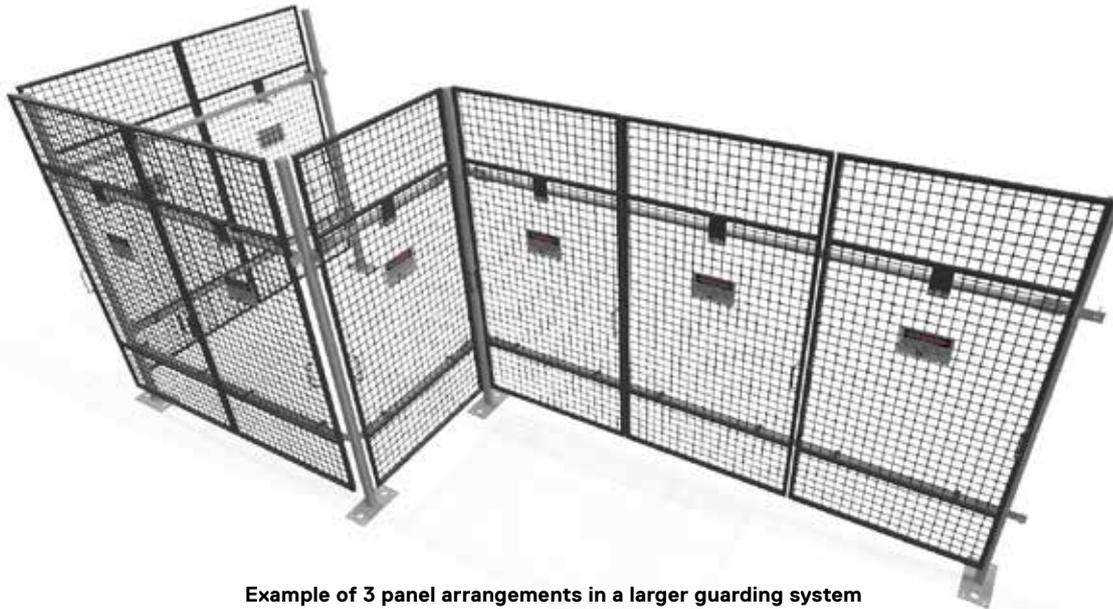


# Features and benefits

NEPEAN Guards come in two standard widths and a variety of heights. They arrange in either 1, 2 or 3 panel configurations. Each guarding system can be either machine mounted or free standing.

The innovative “Hook and Lock” boltless attachment system allows for efficient assembly and disassembly in all maintenance and installation situations. The purpose designed and built latches are all constructed from corrosive resistant stainless steel with the panels and rails all made from DuraGal material.

Guard panels are then powder coated black for underground environments and yellow for surface requirements. Other colours are available upon request.



Example of 3 panel arrangements in a larger guarding system

## INSTALLATION

The NEPEAN guarding system is lightweight, maneuverable and completely boltless - which allows the latch system to locate itself on the rails. This results in extremely quick installation times and drastically reduced downtime during scheduled maintenance or repairs. Through selecting the correct combination of panels and posts NEPEAN can provide safety guarding to suit all installation requirements.



Layout of guarding showing capability to meet specific arrangements and the different panel configurations

# How it works

The NEPEAN guarding system is extremely straight forward to install. Posts are placed in the designed location. The pipe rails required for the panel arrangement are then inserted over captive anti-loose fasteners.

A tap of a hammer at each end of the pipe rails and they are now secured. Panels then “Hook” over the rails and “Lock” into place with the turn of a latch. This process takes less then a few minutes and can be accomplished by all personnel – regardless of experience.



## SUPPORT AND DESIGN CAPABILITIES

NEPEAN has a dedicated team of experienced professionals who can assist with all manner of guarding arrangements – including all custom and specialised requirements.

NEPEAN can provide guarding solutions for a wide variety of industries such as:

- ◆ Underground mining
- ◆ Overland mining applications – transport conveyors, stockpile, barge and truck loading facilities
- ◆ Ports
- ◆ Quarries

NEPEAN stocks all standard guarding components, allowing for a quick turnaround on all orders.

With offices strategically located around Australia all custom requirements can also be met in short time frames.

# Ordering

Feel free to call +61 2 4267 6767 to discuss your requirements directly or make use of the below information to select the items you require and then call or email: [conveyors@nepean.com](mailto:conveyors@nepean.com)

## GUARD PANELS

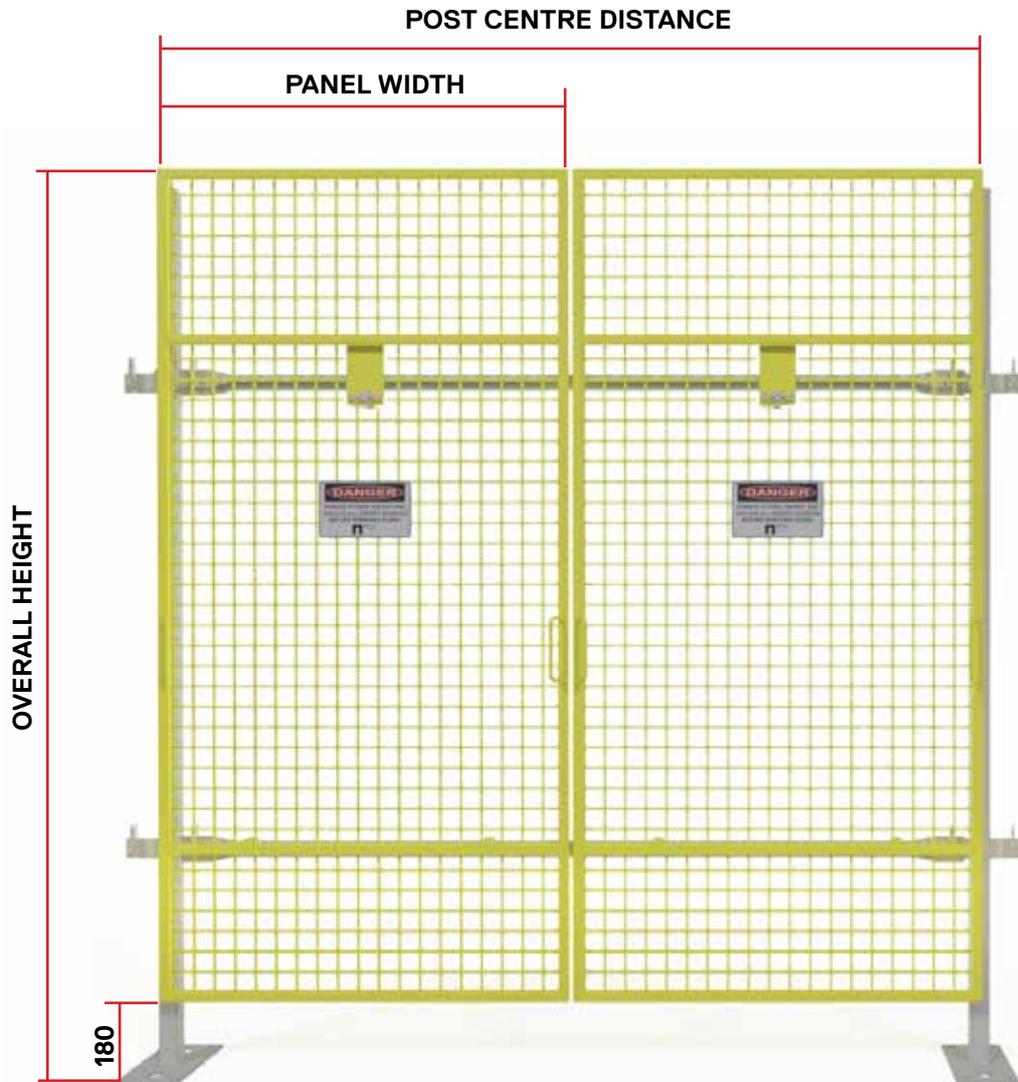


Figure 3 - Example of a 2-panel configuration. Mark-ups indicate how to identify the part that you require.

GUARD PANELS						
		Overall Height (mm)				
		1800	2000	2200	2400	2800
Panel Width (mm)	990	STD-0201-160	STD-0201-180	STD-0201-200	STD-0201-220	STD-0201-240
	1115	STD-0202-160	STD-0202-180	STD-0202-200	STD-0202-220	STD-0202-240

POST CENTRE DISTANCE (mm)			
		Panel Width (mm)	
		990	1115
Configuration	Single Panel	1000	1125
	Double Panel	2000	2250
	Triple Panel	3000	3375

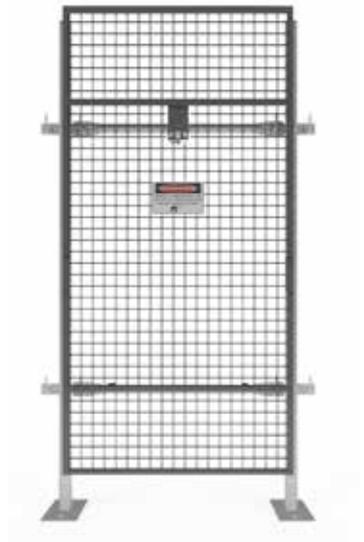
## GUARD POSTS



Figure 4 - Standard Guard Post



Figure 5 - Internal Corner Post



FIXED POSTS						
		Guard Overall Height as per Figure 3 (mm)				
		1800	2000	2200	2400	2800
Type	Standard	STD-0203-160	STD-0203-180	STD-0203-200	STD-0203-220	STD-0203-240
	External Corner	STD-0204-160	STD-0204-180	STD-0204-200	STD-0204-220	STD-0204-240
	Internal Corner	STD-0205-160	STD-0205-180	STD-0205-200	STD-0205-220	STD-0205-240
	End Post LH	STD-0206-160	STD-0206-180	STD-0206-200	STD-0206-220	STD-0206-240
	End Post RH	STD-0206-160B	STD-0206-180B	STD-0206-200B	STD-0206-220B	STD-0206-240B

# Ordering

## PIPE RAILS

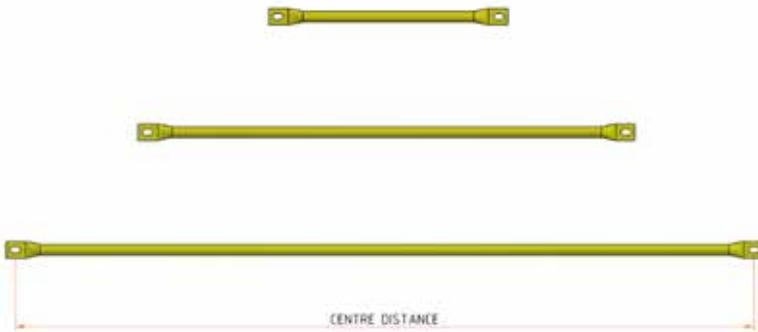


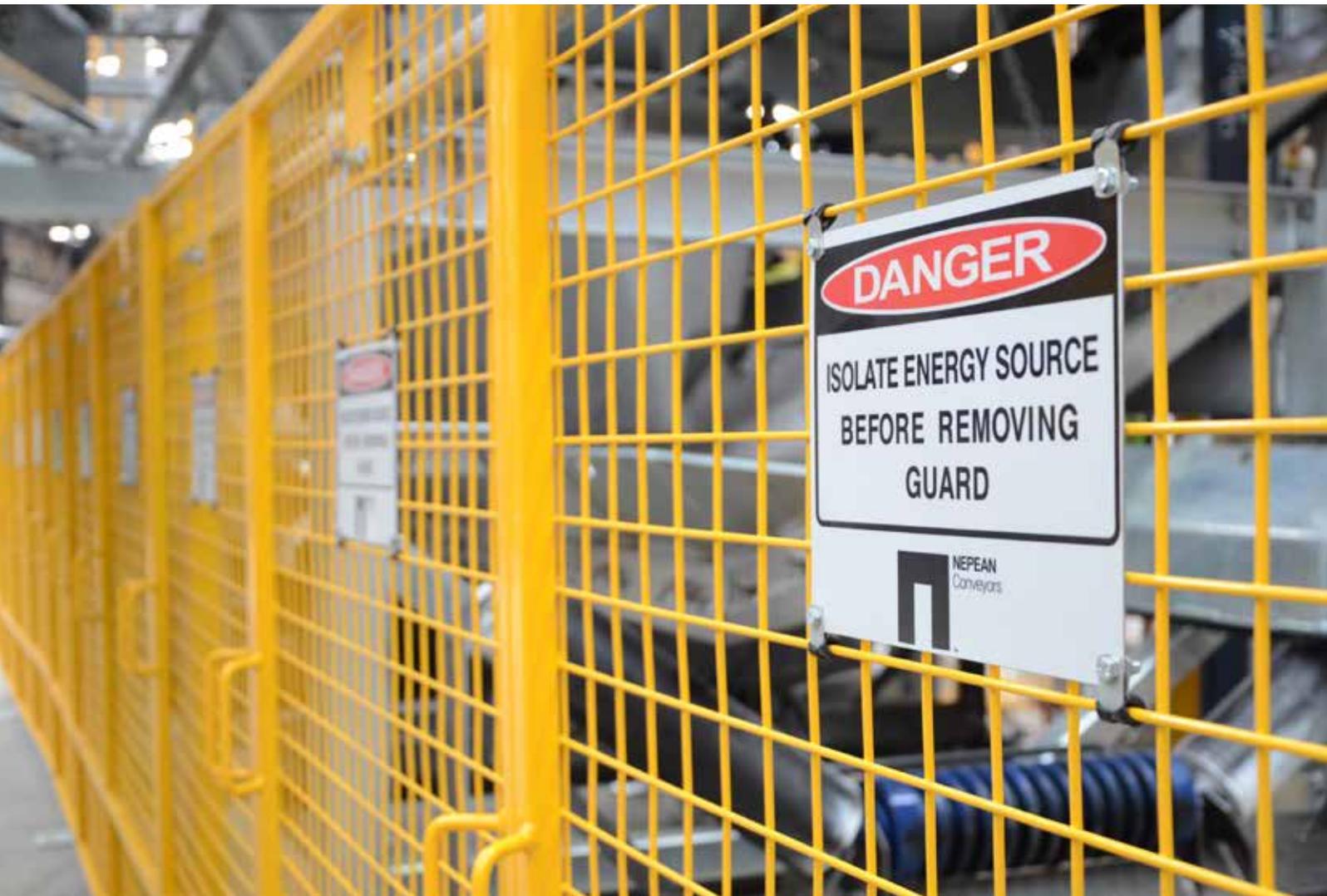
Figure 6 - 1, 2 and 3 panel pipe rails

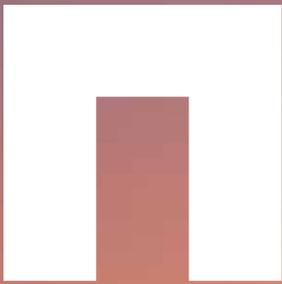


Figure 7 - Example of 2 panel pipe rail system set up

Description	Centre Distance (mm)	Part Number
1 Panel Rail	850	STD-0210-085
2 Panel Rail	1850	STD-0210-185
3 Panel Rail	2850	STD-0210-285







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TM



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## **NEPEAN CONVEYORS ARE AUSTRALIA'S MARKET LEADER**

NEPEAN Conveyors is a wholly Australian owned company specialising in the design, in-house manufacture, installation and service of overland, underground and surface belt conveyor products, systems and bulk materials handling projects for over 30 years.

NEPEAN Conveyors has forged a solid reputation for robust, practical and reliable designs and quality manufactured equipment. NEPEAN Conveyors has become the leading technology provider for bulk materials handling.

## **WITH MORE LOCATIONS, WE'RE NEVER FAR AWAY**

NEPEAN has a unique product and service offering across its Conveyor Business Units, with strong technical and engineering capabilities developed since 1985 as well as significant local presence near its key customers.