

JBK Engineering

Magnet Latch Lock Guarding

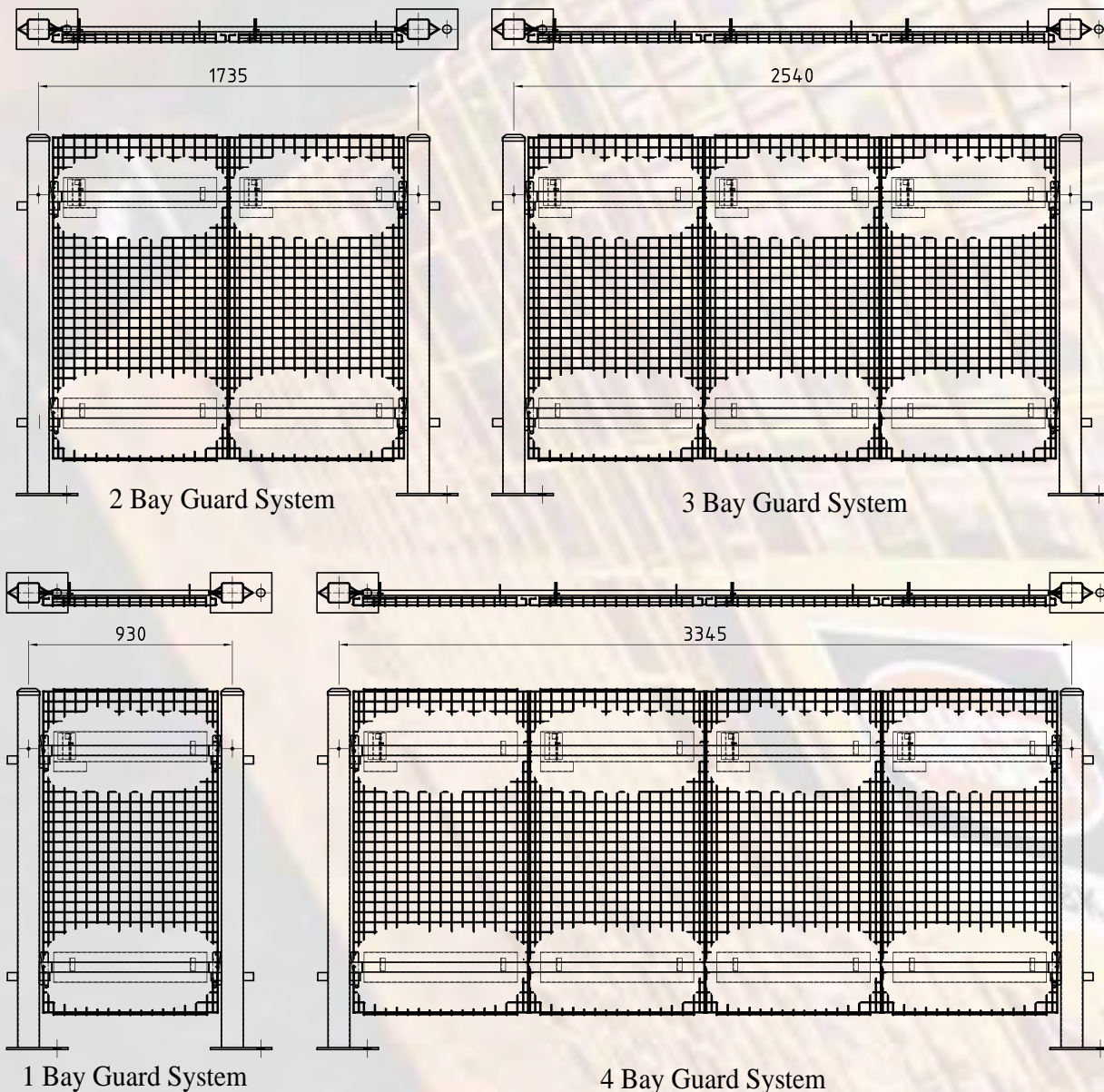


Overview

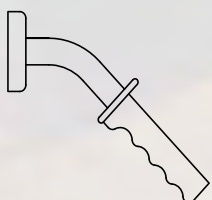
The JBK Patented “Magnet Latch Lock Guarding” was designed as an easy to use and reliable way of guarding hazardous areas. Also known as distance guarding (AS 4024.1601-2006, 4.5.2). This system of guarding is a more cost effective way of guarding a large range of hazards in one installation, when you add up the costs of designing, fabricating and installing individual fixed guards.

Fitted with a unique Latch Lock locking system these guards can be easily installed by simply locating the guard onto the rail system. This engages the lock and makes it impossible to remove without our magnet tool*.

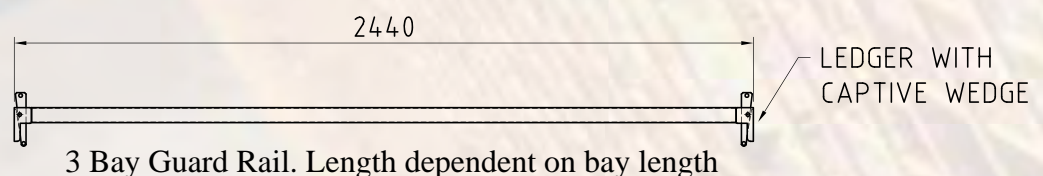
* Magnet tool. A tool which is not normally available to an operator. As stated in the Australian Standards AS4024.1601-2006, 6.4.4



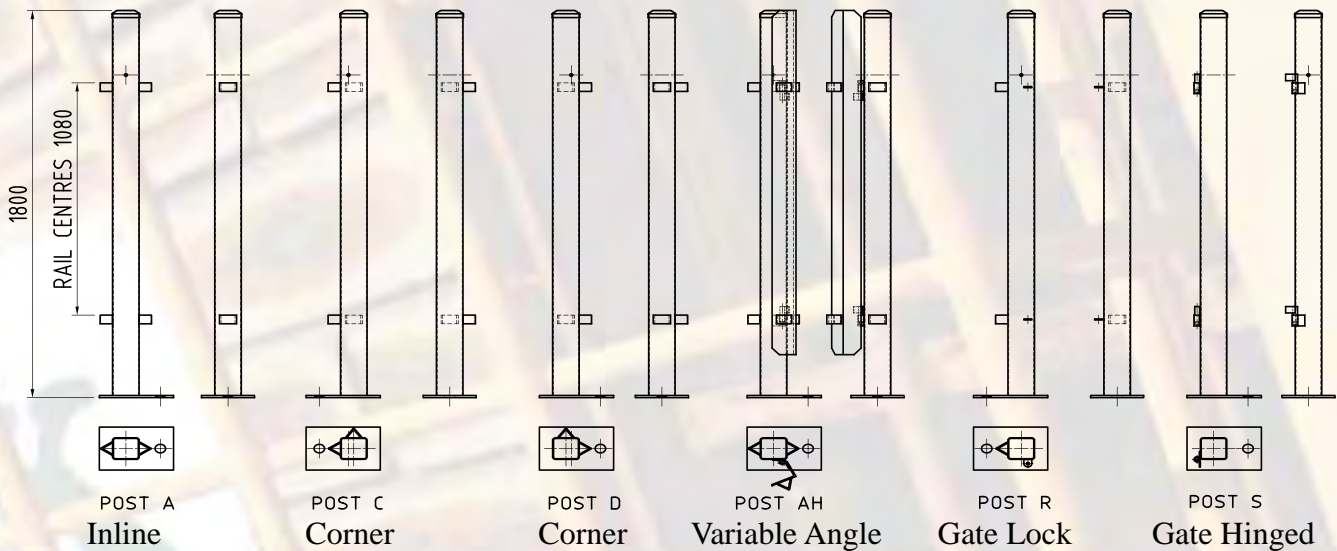
Magnet Tool



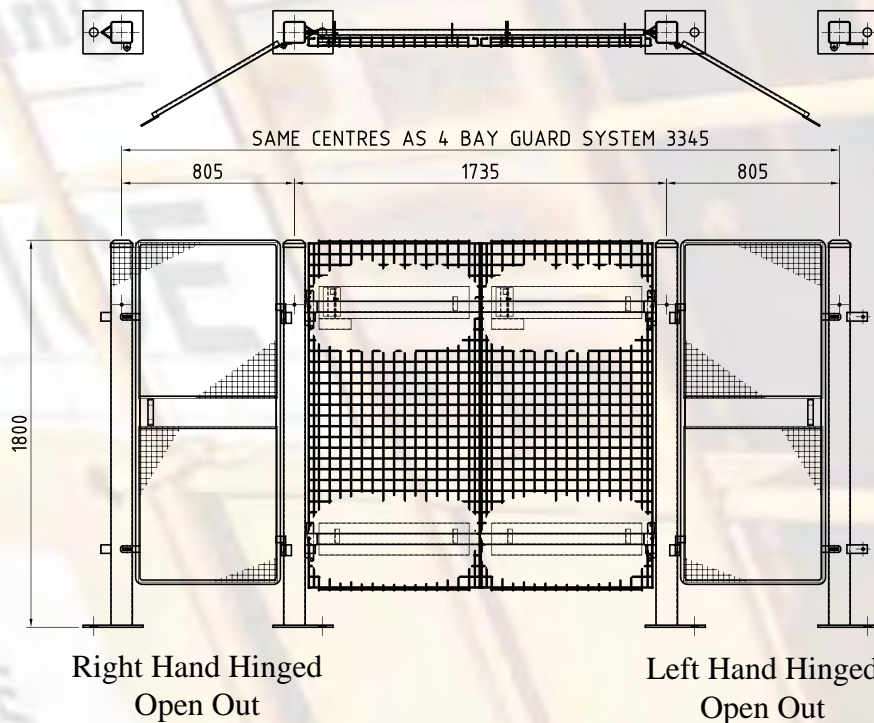
Rails



Posts



Gates



Gates are designed so that you can install a gate and post into a pre installed run of guards and maintain the original centres between posts. As shown in the diagram to the left.

JBK gates and gate posts are supplied with locking tabs to suit a standard padlock.

Upper Limb Reach Over Protective Structure Safety Distances

Height of Danger Zone (A)	Height of Protective Structure, (B)								
	1000	1200	1400	1600	1800	2000	2200	2400	2500
2500	-	-	-	-	-	-	-	-	-
2400	100	100	100	100	100	100	100	100	100
2200	600	600	500	500	400	350	250	-	-
2000	1100	900	700	600	500	350	-	-	-
1800	1100	1000	900	900	600	-	-	-	-
1600	1300	1000	900	900	500	-	-	-	-
1400	1300	1000	900	800	100	-	-	-	-
1200	1400	1000	900	500	-	-	-	-	-
1000	1400	1000	900	300	-	-	-	-	-
800	1300	900	600	-	-	-	-	-	-
600	1200	500	-	-	-	-	-	-	-
400	1200	300	-	-	-	-	-	-	-
200	1100	200	-	-	-	-	-	-	-
0	1100	200	-	-	-	-	-	-	-

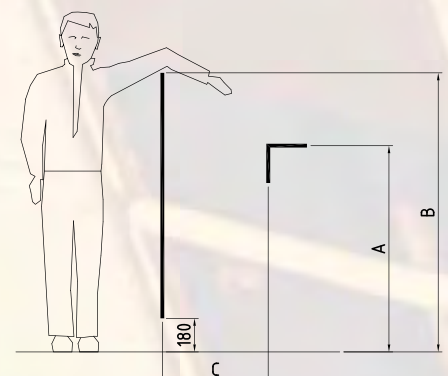
Reference taken from Australian Standards
AS 4024.1801-2006, 5.3

Example:

Height of Standard JBK Guard (B) = 1800

Height of Danger Zone (A) = 1400

Distance from Danger Zone (C) = 100



LEGEND:
A = HEIGHT OF DANGER ZONE
B = HEIGHT OF PROTECTIVE STRUCTURE
C = HORIZONTAL DISTANCE TO DANGER ZONE

Guarding Information

Guard Panel:

JBK's Patented Magnet Latch Lock Guard panels are fabricated from galvanised mesh, in either 50 x 4 or 25 x 3 aperture size. Pressed into a standard size panel (1600 x 800). Total weight per guard panel = 11kg

Post:

The posts are fabricated from 100 x 3 galvanised SHS and are fitted with Vee pressings to make assembling the rails an ease. The posts come with 2 designs for the base plate. One base plate has a dia 42 hole for underground (mining) use, while the other has 2 dia 18 holes for dynabolting/bolting to the floor.

Rail:

The rails which are fabricated from 50 x 25 x 2 galvainsed RHS, have ledger fittings with captive wedges. This makes assembling the rails to the post an easy and simple task, and also helps with maintaining the correct post centres when installing.

Protective Finsih:

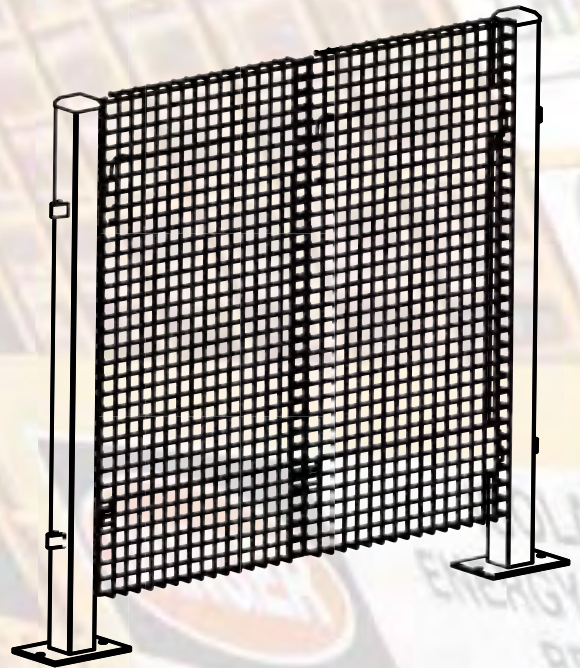
All guard components are fabricated from galvanised material and are powdercoated safety yellow as standard. Other colours available on request.



AutoCAD layout of guards.



View of locking latch



Autodesk Inventor Guarding Design

Design Capabilites:

JBK Engineering employs a design and development team to assit the client with guarding arrangements, and supply detailed component and installation drawings with your order.

Ordering:

To enquire about JBK Engineering Magnet Guarding simply phone to discuss your requirements or email an autoCAD .dwg of .dxf file or plan of your proposed installation. We'll do the rest.

JBK Engineering

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