DECEMBER 2020

ABB Jokab Safety
Americas Quick-Guard, Designed on a Napkin (No CAD required)
Americas Quick-Guard

Why should I use Americas Quick Guard (AQG)?

**Easy to design, order, stock, and install perimeter guarding system**

- AQG has been developed to be an easy to order, stock and assemble fencing system, with the distributor, and end user in mind
- AQG can be easily designed on a piece of paper, No CAD Required, with a minimal amount of part numbers

- AQG components are stocked and shipped in individual cartons, minimizing shipping damage
- It is possible to have RFQ to Delivery in One Day with a stocking distributor

- Fencing (guarding) projects can be assembled quickly and easily using AQG
- Easily replace damaged sections with standard panels and posts

AQG is available in “S” or “E” Styles… Continue on to learn the difference!
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About the AQG system

AQG uses a standard 1500mm panel width

- 1500mm is measured center to center of the posts
- The mesh door comes with the necessary hardware along with a 44x44 post on the hinge side and a 44x44 header on top
- Trimming the wire mesh panel to width with bolt cutters makes custom widths easy

“E” Style has a channel that fits over the mesh top and bottom

“S” Style has 44x44 aluminum profile (same as the post) top and bottom, requires bracket kits to connect to adjacent panels and posts
What is AQG “E” style

**Americas Quick-Guard E**
- Most economical & flexible AQG style
- A 1500mm center to center (C2C) mesh panel comes with H channel on top & U channel on the bottom.
- Two posts are available, 44x44 and a 44x88, both two meters in height, and they come with the floor brackets and JSM 37 support screws to support the mesh at the proper height.
- Trimming the wire mesh panel to width with bolt cutters makes exact sizes easy

“E” Style has an aluminum channel that fits over the mesh top and bottom
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What is AQG “S” style

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- AQG S is used when more rigidity is required
- A 1500mm center to center mesh panel come with 44x44 aluminum profiles on top and bottom.
- Bracket kits cover all the end, middle and corner door and post conditions
- Trimming the wire mesh panel to length with bolt cutters makes custom sizes easy. Horizontal headers can be cut with a cutoff saw.

“S” Style has the same aluminum profile (44x44) we use for posts to fit over the mesh top and bottom. Bracket kits are required to connect them to the posts
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AQG 1500mm door assemblies

Exactly, what is a 1500mm Center to Center Door Assembly?

Easiest way to put in a standard 36” door without getting into odd sizes is to use a 1500mm door assembly

- The same AQG door part number is used for both the “E” & “S” Style
- For AQG “E” Style, a bracket kit for all “E” doors is required
- For AQG “S” Style there is a bracket kit for different door configuration such as corner, end, and middle door

**Note:** The center-to-center distance from the adjacent panel post to the door post is 1500mm

Using the filler panel (541.6mm) or door (958.4mm) alone will give you some odd dimensions, but together $541.6mm + 958.4mm = 1500mm$
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A note about custom widths

Custom widths are easy on site

- If for example you needed to modify the width from 1500mm to 1300mm it can be done with a pair of bolt cutters.
- In the case above just cut off 200mm of wire mesh and reassemble to make it 1300mm
- For “S” Style you would need to also shorten the header and footer aluminum profiles also

Pro Note: If you need a complex traditional (Not AQG) fencing (guarding) system. Send your drawings, sketches, anything you have to your distributor. He/she will forward it to our design team to be drawn and quoted.
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Let’s design a perimeter guarding system

Grab a Napkin (or some paper) and follow along

▪ We are going to design this perimeter guarding system on a piece of paper (or napkin)

▪ We will design it using both “E” & “S” styles

▪ No CAD required

▪ [Click here](#) for the AQG Parts List in Excel

**Pro Note:** If you need a complex traditional (Not AQG) fencing (guarding) system. Send your drawings, sketches, anything you have to your distributor. He/she will forward it to our design team to be drawn and quoted.
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Let’s design a perimeter guarding system

1. Draw in your machine (optional) and draw your perimeter or linear guard around the machine to protect
2. Insert 1500mm Panel Sections all around the machine
3. Insert the 1500mm Door Assembly which includes, Door, Filler Panel, Additional Post. (“E” Style doors need a “E” Style Door Bracket kit) replacing the 1500mm Panel Sections
4. Everywhere the arrow points touch, is a post
5. If all you want is “E” Style skip to bottom. For “S” Style go to the next line
6. AQG “S” Style Only - Label the Posts to determine which Style bracket kit each post gets, M mid post, C corner post, E end post, CD corner door, etc...
7. Count your components and put into the AQG Parts Lists on the next slide

**Pro Note:** You could easily have the door attached where the additional post is

10. Posts (includes add’l post for door assembly)
9. 1500mm panel sections
1. Filler Panel
1. Door
7. Middle post bracket kit
1. Corner door bracket kit
3. Corner post bracket kits
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Let’s design a perimeter guarding system

Take your BOM and fill in the AQG Parts List and email it to your ABB Jokab Safety distributor

Click here for the AQG Parts List in Excel
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Let’s design a perimeter guarding system

Click here for the AQG Parts List in Excel

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Qty</th>
<th>Vertical Posts</th>
<th>Doors</th>
<th>Door Section Filler Panels</th>
<th>S Style Bracket Kits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2TLA140037R1000</td>
<td>44mm X 44mm - 2M Tall Post With (2) Floor Brackets</td>
<td>Mesh Door, 36° Opening, (1) 2M 44x44 Post, (2) Hinges, Magnetic Door Latch, Handle</td>
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<td></td>
<td></td>
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<tr>
<td>2TLA140034R1100</td>
<td>Bracket Kit for S End Post, (3) L Brackets</td>
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<td>2TLA140034R11100</td>
<td>Bracket Kit for S Middle Post, (3) T Brackets</td>
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<tr>
<td>2TLA140034R1300</td>
<td>Bracket Kit for S Middle Wide Post, (2) T Brackets and (2) Angle Brackets</td>
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<td></td>
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<tr>
<td>2TLA140034R1200</td>
<td>Bracket Kit for S Corner Post, (4) L Brackets and (1) Angle Bracket</td>
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<td>2TLA140034R1500</td>
<td>Bracket Kit for S End Door, (3) L Brackets and (2) T Brackets</td>
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<td>2TLA140034R1700</td>
<td>Bracket Kit for S Corner Door, (4) L &amp; (2) T Brackets and (1) Angle Brackets</td>
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<td>2TLA140034R1800</td>
<td>Bracket Kit for “S” Style 3 Sided Post, (2) T Bracket and (4) Angle Brackets</td>
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</tbody>
</table>

10 Posts (includes add’l post for door assembly)
9 1500mm panel sections
1 Filler Panel
1 Door
1 Middle post bracket kit
1 Corner door bracket kit
3 Corner post bracket kits
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Let’s complete the perimeter guard with controls and interlocks

- Also in the AQG Parts List is links to configurators for our door interlocks such as Eden, Magne, Gkey, and others. Door interlock mounting plates are listed in the AQG Parts List (Click Here)

- Click here for the ABB Jokab Easy Reference with our most popular machine safety part numbers and links to catalogs and training

- If you need custom panel or door sections, contact your local ABB Jokab Safety distributor.

- Important! Email the completed AQG parts list to your ABB Jokab distributor