



MatGuard™ Safety Mat Request for Quotation

Rockwell Automation
Sensors, Safety and Connectivity Business
Product Support Center
Two Executive Drive
Chelmsford, MA 01824
Phone: 440.646.5800
Fax: 978.446.3212

Company Name		Date	
Address		Date Required	
City		State	
Contact Name		Title	
Office Phone		Cell Phone	
Fax		Email	

Application Description and Environment:

Good Practices for specifying safety mat systems:
Always use only one reference point for all dimensions. Identify the reference point on the sketch.

1. Identify maximum dimensions with “max” and minimum dimensions with “min.” Other dimensions will be assumed to have a 50mm (2in) tolerance.
2. Indicate location of machine and all other obstructions.
3. Mark the location of the hazard.
4. Identify cable types and cable exit locations.
5. Identify the type and location of the control unit (control unit must be purchased separately).
6. Identify the safeguarded space, the type of perimeter trim and locations of the trim.
7. CAD drawings are preferred.
8. Ensure mats cover sufficient area to protect against a hazardous situation. The following formulas can be used:

per ANSI RIA R15.06 and ANSI B11.19	per EN999
$Ds = [K \times (Ts + Tc + Tr)] + Dpf$	$S = [1600 \times (t1 + t2)] + (1200 - 0,4H)$
where	where
Ds = minimum safety distance	S = minimum safety distance
K = 1600mm/sec (63 in/sec), a speed constant	t1 = maximum stopping time of safety and control system
Ts = maximum stopping time of the machine	t2 = maximum stopping time of the machine
Tc = maximum stopping time of the control system	H = height above reference plane
Tr = response time of the safeguarding system	
Dpf = 1200mm (48in), the depth penetration factor	

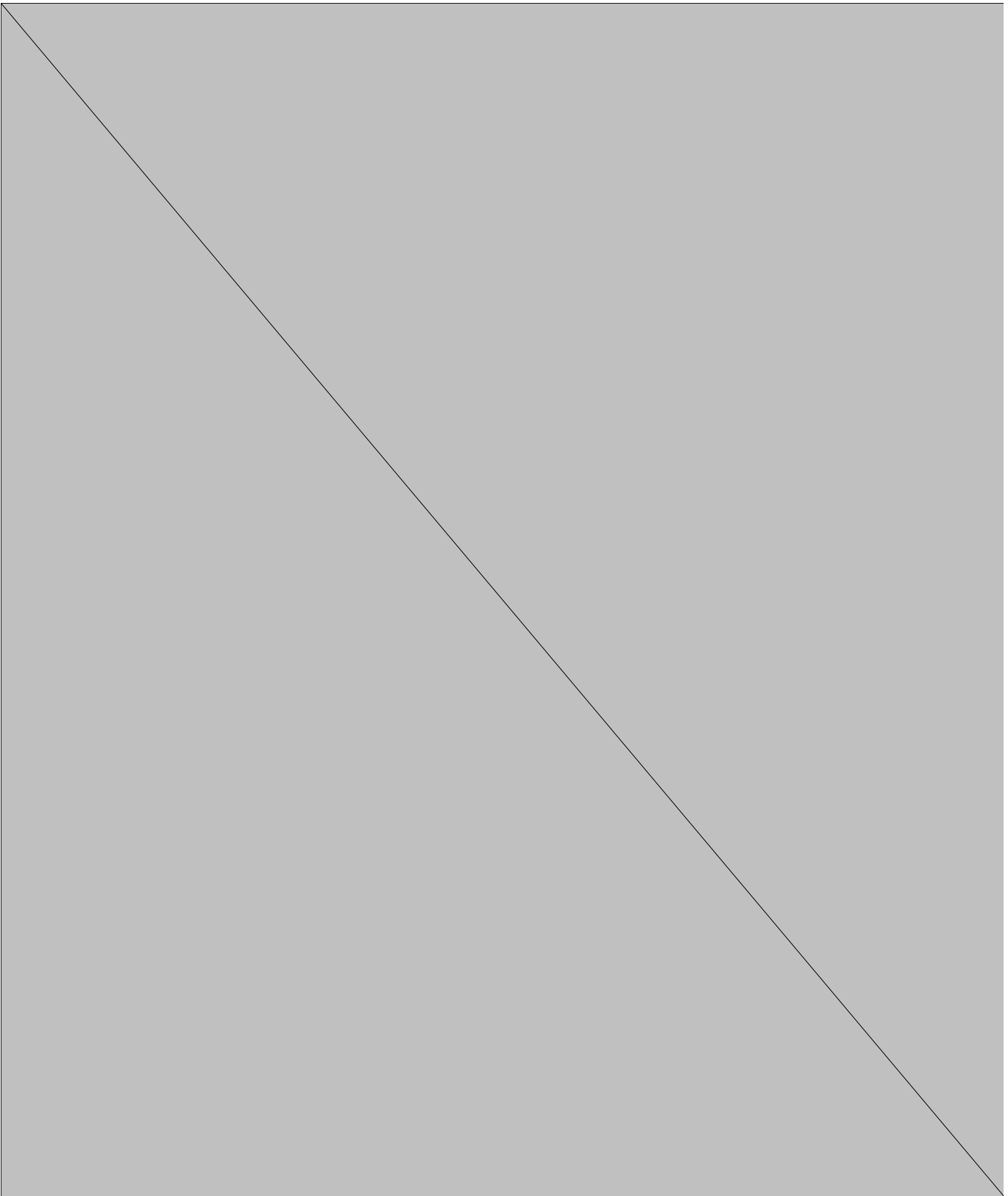
See also page 2-75 of the Safety Products catalog (publication S115-CA001A-EN-P).

Quote process:

1. Requestor submits form to the Product Support Center.
2. Based on the customer’s input, Product Support Center will provide Requestor with a proposed bill of materials, drawings, price, and lead time. Allow three days for quote.
3. Requestor must approve the drawings and return signed drawings to the Product Support Center.

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Send RFQ and a dxf file of the CAD drawing via email to Product Support Center (MatExpert@ra.rockwell.com) or fax to 978.446.3212.



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