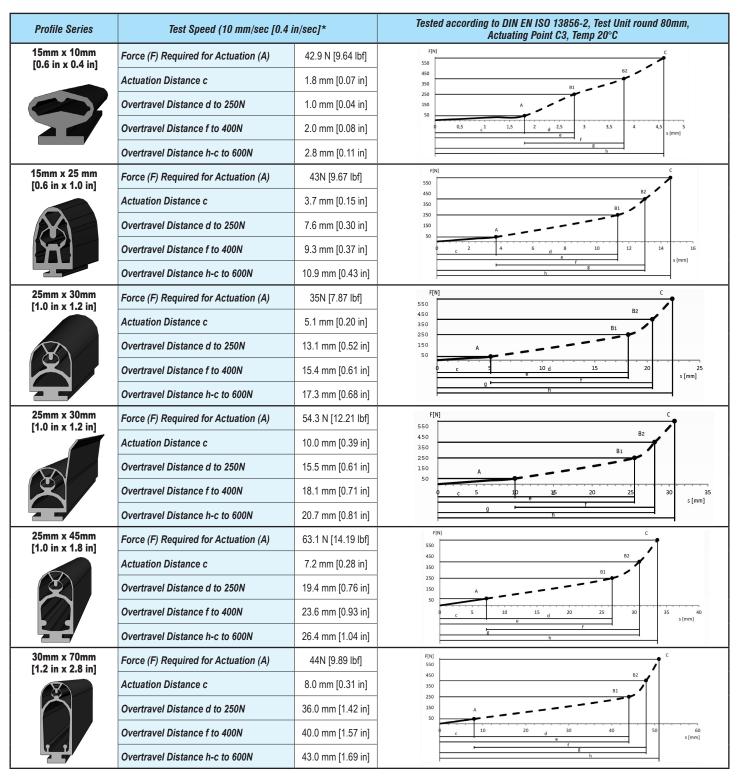
## ASO Safety Solutions SENTIR Edges



### Selecting the Edge Profile

ASO Safety Solutions offers several sizes of safety edges to fit most applications, including automatic gate, door, and machine applications. The size (profile) of the edge should be selected based on the application and overtravel permitted by the profile. If the edge experiences overtravel beyond the allowed amount, damage may occur. An additional important deciding factor to consider when determining which profile to use is sensitivity. Sensitivity is the amount of force required to activate the unit.

Where greater actuating forces or overtravel requirements are needed, a safety bumper may be the preferred approach.



<sup>\*</sup> For other speed data, please refer to product data sheets.





SENTIR safety contact edges are pressure-sensitive sensors used to ensure the safety of closing edges at possible crushing or shearing points which are prone to accidents. They may be installed near automatic gates, machines and other facilities for handling equipment to detect conditions that could cause bodily harm or damage machinery.



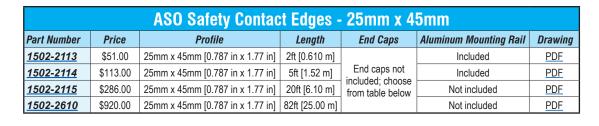


for continuity.

#### **Features**

- Optimized material properties guarantee fast switching results.
- 4 edge lengths available that can be easily cut to fit any application
- Can wire in 2 or 4-wire circuits
- Requires aluminum mounting rail (included with 2ft and 5ft edges) and offered in varying lengths
- Reference example connection drawings for easy product selection











1804-0576

ASO Safety Contact Edge End Caps - 25mm x 45mm						
Part Number	Price	Description	Connection	Drawing		
<u>1804-1385</u> *	Retired	End cap for 25mm x 45mm safety contact edges	3-pin female M8 connector 1.65 ft [0.5 m] cable length	<u>PDF</u>		
<u>1804-1375</u> *	Retired	End cap for 25mm x 45mm safety contact edges	3-pin male M8 connector 1.65 ft [0.5 m] cable length	<u>PDF</u>		
<u>1804-0575</u>	Retired	Terminating resistor end cap for 25mm x 45mm safety contact edges, 8.2 $k\Omega$	NA	<u>PDF</u>		
<u>1804-1386</u>	\$23.50	End cap for 25mm x 45mm safety contact edges	3-pin female M8 connector 1.65 ft [0.5 m] cable length	PDF		
<u>1804-1376</u>	\$23.50	End cap for 25mm x 45mm safety contact edges	3-pin male M8 connector 1.65 ft [0.5 m] cable length	PDF		
<u>1804-0576</u>	\$14.50	Terminating resistor end cap for 25mm x 45mm safety contact edges, 8.2 $k\Omega$	NA	PDF		



ASO Safety Contact Edge Mounting Rails						
Part Number	Price	Description	Material	Contents	Drawing	
2002-0230	\$102.00	Contact edge mounting rail	Aluminum	Package of 4 rails, each 5ft [1.52 m] length	PDF	
<u>2002-0231</u>	\$17.50	Contact edge mounting rail	Aluminum	1 rail, 2ft [609.6 mm] length	PDF	

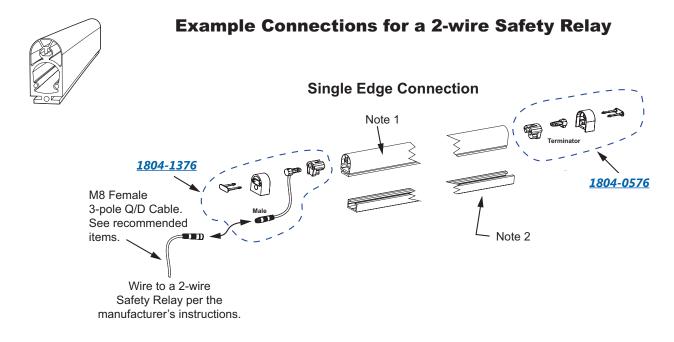


ASO Safety Solutions Industrial Shears				
Part Number	Price	Description	Use With	Contents
<u>9501-0160</u>	\$93.00	Stainless steel industrial shears	Safety contact edges	1 shear

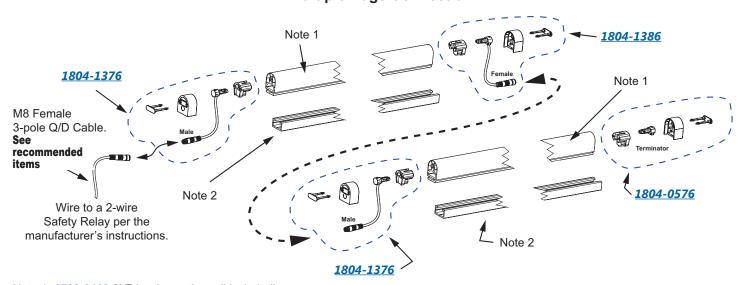
#### Selection

Use the following Example Connections drawings to help you select the correct components for your system.

### Example Connections - 25mm x 45mm edges and end caps



#### **Multiple Edge Connection**



Note 1: 1502-2113 2' Edge (mounting rail included)

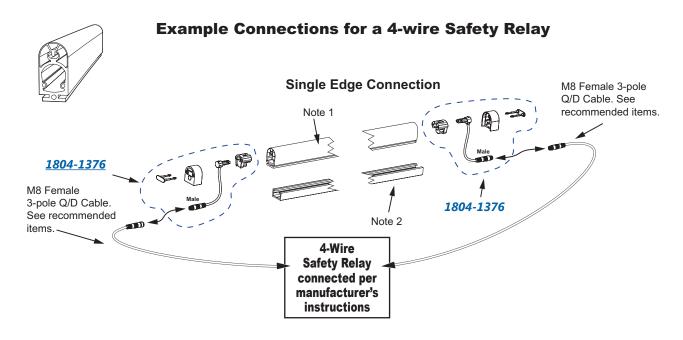
1502-2114 5' Edge (mounting rail included)

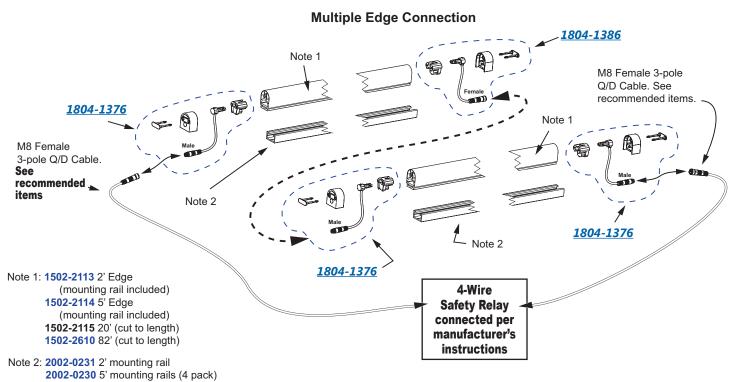
**1502-2115** 20' (cut to length) **1502-2610** 82' (cut to length)

Note 2: 2002-0231 2' mounting rail

2002-0230 5' mounting rails (4 pack)

Example Connections - 25mm x 45mm edges and end caps





SENTIR 25mm x 45mm Edges		
	General Specifications	
Material	TPE	
Material Hardness	68 Shore A	
Weight (per meter)	0.44 kg/m [0.31 lb/ft]	
Protection Class (Enclosure)	IP65	
Switching Cycles	>30,000 (UL 325)	
Switching Angle	±45°	
Actuation Resistance	≤ 500Ω	
Actuation Force	53.9N @ 100mm/s [3.9 in/s] approach speed	
Mechanical Life	10,000 cycles	
Electrical Capacity	24VDC, 10mA	
Max. Temperature Range	-25° to +75°C [-13° to +167°F]	
Operating Temperature	-10° to +50°C [+14° to +122°F]	
Max. Series Connection	5 contact edges or 100m [328.08 ft] based on the ASO safety relay 1114-0210	
Inactive End Region with Higher Forces	30mm [1.18 in]	
Connection Cables	LIY11Y 2 x 0.34 mm <sup>2</sup> (22AWG)	
Cable Material	PUR matte black	
Agency Approvals	UL Recognized file E341185, CE	

### **Safety Products**



Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.

AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.