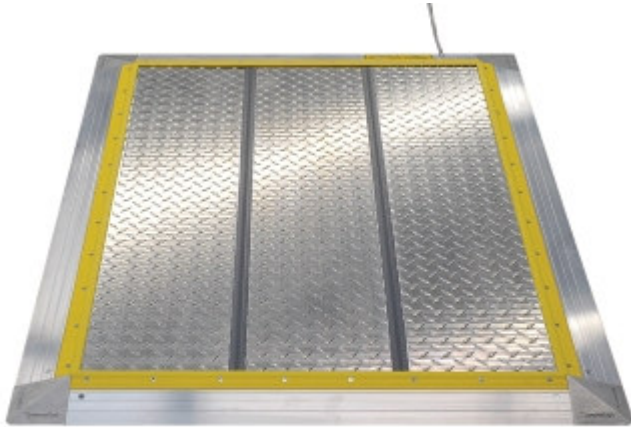


Diamond Plate Safety Mats - Super heavy-duty

Tapeswitch **Diamond Plate Aluminum Safety Mats** are designed for personnel or vehicle detection in heavy industry applications. Designed to withstand forklift traffic, steel wheel carts, pallet loaders and similar equipment, these pressure sensitive safety mats also survive welding debris, hot parts, metal chips, and foundry splatter

Diamond Plate Safety Mats are available in a range of standard sizes and can also be custom configured to form a protected area around a machine or work cell.



Diamond Plate Aluminum Safety Mats are the most durable sensing mats available for heavy-industry manufacturing environments. The mat surface is heavy gauge aluminum deck plate, which is non-sparking and non-magnetic. The external wiring is encased stainless steel armored cable.

In addition to handling factory vehicular traffic and heavy rolling equipment, Diamond Plate industrial switch mats are also appropriate around welding operations or where hot parts, hot metal chips, or abundant sparking would destroy non-metallic safety mats. Installation is simple and straightforward and, after installation, Diamond Plate Safety Mats are maintenance-free. They supplied with [4-lead fail-safe](#) wiring, and are compatible with Tapeswitch [Interface Controllers](#).

Features & Benefits

- **Heavy-gauge aluminum deck plate construction for heavy- industry manufacturing environments**
- **Designed to withstand factory traffic such as forklifts, steel carts and heavy rolling equipment**
- **Survives welding debris, hot parts and chips, and foundry splatter**
- **Straight forward installation and maintenance-free operation**
- **TUV approval to EN1760-1:1997 and 98/37/EC Machinery Directive**
- **[4-lead fail-safe](#) wiring configuration using stainless steel armored cable**

Applications - Detect presence of personnel or vehicles for :

- Sensing and control around factory traffic
- Hazard protection around welding operations
- Guarding of robotic work cells
- Protection in automated material areas
- Operator presence sensing for machine control
- General hazard protection requiring extreme durability

Specifications for Diamond Plate Safety Mats

Actuation Force	Less than 45 lbs (200 N)
Recommended Voltage & Current	24 Vac or Vdc at 1.0 amps max
Environment	IP65 rated, 0 to 122 °F (-18 to 50 °C)
Thickness	3/4" (19 mm)
Options	Multiple zones, connectors, cable length and location