

FREESTANDING AND PERMANENT WARNING LINE



The Millenium freestanding warning line is used to delimit areas on roofs to allow work and traffic in full compliance with provincial regulations* regarding the prevention of falls from heights.

USAGE

- Completely modular system according to your needs
- Delimit a work area on a roof with a slope equal to or less than 15° (3/12)
- Control the movement of workers by creating rooftop traffic zones;
- Avoid the risk of falling from heights by delimiting the edge of a roof or any other risk of falling from heights with a buffer zone of 2 meters.

ADVANTAGES

- Fully modular system according to your needs
- Durable and robust, requires no maintenance
- White, natural aluminum or painted according to our colour range
- Bases take up little room on the roof
- Installation possible in restricted areas
- Non-penetrating system requiring no additional work to waterproof the roof
- Easy set up on all types of flat at and low-sloped roofs

COMPLEMENTARY SAFETY EQUIPMENT TO THE MILLENium RANGE

- Roof guardrail systems
- Roof access hatch guardrails
- Protection for rooftop access ladders
- Skylight guardrails
- Permanent fall protection anchors
- Restraint anchor system for rooftop safety
- Vertical lifeline systems for ladders
- Horizontal lifeline systems

* Province of Quebec

Chapter S-2.1, r. 13 - Regulation respecting occupational health and safety - Act respecting occupational health and safety
33.5. and 354.1 Warning line instead of a guardrail

ASSEMBLY PARTS

- Single eye cable fitting: start piece with a hole for cable
- Elbow eye cable fitting: 90-degree corner piece with two cable holes
- Double eye cable fitting: Intermediate pole piece with two cable holes

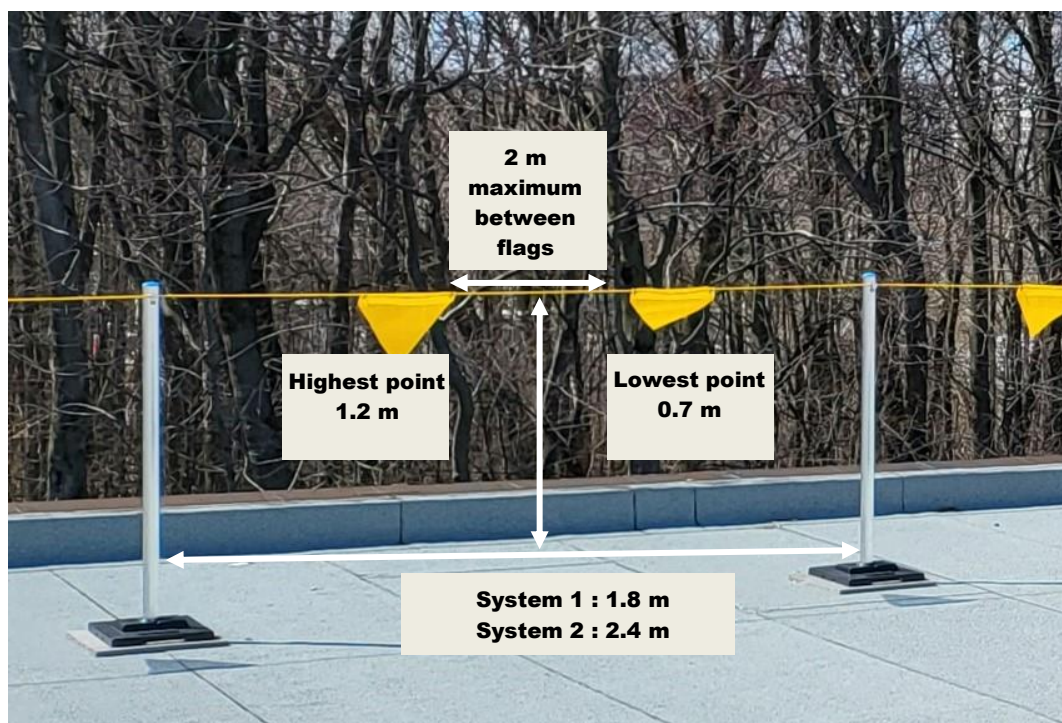
| Physical properties | Metric | Imperial |
|---------------------|-----------|---------------------------|
| Density | 2.57 g/cc | 0.0928 lb/in ³ |

| Component Element Properties | Data |
|------------------------------|---------------|
| Aluminium, Al | 91.4 - 93.3 % |
| Copper, Cu | <= 0.10 % |
| Iron, Fe | <= 0.15 % |
| Magnesium, Mg | 6.6 - 7.5 % |
| Manganese, Mn | 0.10 - 0.25 % |
| Other, each | <= 0.05 % |
| Other, total | <= 0.15 % |
| Silicon, Si | <= 0.20 % |
| Titanium, Ti | <= 0.25 % |

STRUCTURAL AND SIGNALLING PARTS

- **Posts and railings:** Aluminum tube 6061-T6 of 48mm (1.9") diameter with plastic caps for the end of the tubes
- **Stackable bases (system 1):** Counterweight of 18.94 kg (41.7 lbs) each measuring 305 mm x 406 mm (12" x 16") made of cast-iron according to ASTM A-48 Class 30, including a 12 mm (1/2") thick carpet for protection of the roofing system
- **Stackable bases (system 2):** Counterweight of 22.7 kg (50 lbs) each measuring 508 mm x 686 mm (20" x 27") made of rubber according to CSTC 2.9.4.1, including a 12 mm (1/2") thick mat for protection of the roofing system
- **Cable:** Galvanized steel cable covered with a yellow coating for a total diameter of 6 mm (1/4")
- **Flag:** 12" wide PVC coated polyester mesh fabric

FREESTANDING WARNING LINE CONFIGURATION AND REGULATIONS



OPERATING METHOD FOR SYSTEM 1 (CAST IRON COUNTERWEIGHT)

First system

- The assembly must comply with the laws and regulations of section 2.9.4.1 of the CSTC
- Use four counterweights on the first and last pole and one counterweight on all other poles
- Keep the posts at a maximum distance of 1.8m (6') between the first and second post, then at a maximum distance of 2.5m (8'2") from any other post, and (6') between the last and second-to-last post



OPERATING METHOD FOR SYSTEM 2 (RUBBER COUNTERWEIGHT)

Second system

- The assembly must comply with the laws and regulations of section 2.9.4.1 of the CSTC
- Use two counterweights on the first and last pole, and one counterweight on all other poles
- Keep the posts at a distance of 2.4m (8').

