

TRIPSTOP™

Articulating Sidewalk Joint System

TripStop™ prevents trip hazards from uneven sidewalks

TripStop Creates Safer Sidewalks – Prevents trip hazards created from misaligned or displaced pedestrian walkways.

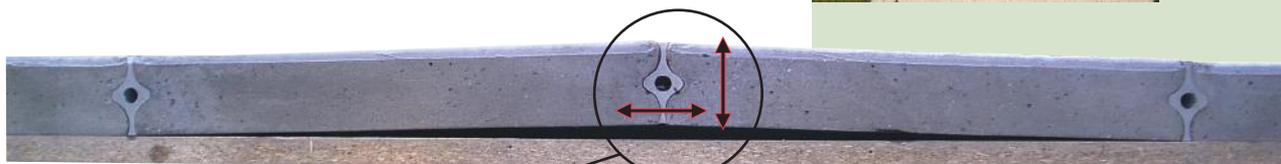
TripStop Saves Costs – Contractors save since it eliminates work involved with cutting control joints during the finishing process. Cities benefit from a 50% to 75% decrease in sidewalk life cycle costs and the elimination of yearly grinding or patching maintenance.

TripStop Preserves Mature Trees – TripStop moves dynamically with tree roots ensuring sidewalk integrity and protecting trees from the extreme step of root trimming.

TripStop Benefits the Environment – TripStop is an environmentally green product because it is recyclable and preserves urban trees. The service life of the sidewalk is extended, which means: less waste from construction activity and fewer greenhouse gas emissions from concrete production and service vehicles.

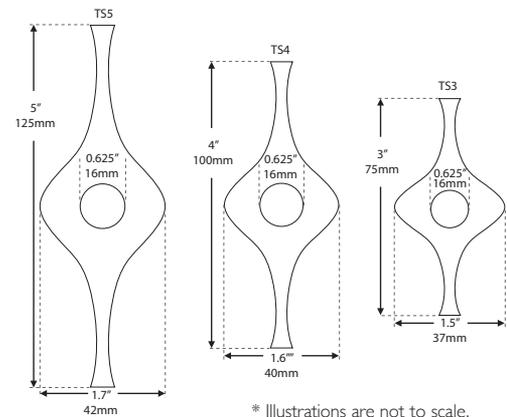


TripStop is the long-term solution for city sidewalk maintenance. It is a preventative strategy whenever dangerous sidewalks need to be replaced; it minimizes tripping injuries and potential legal liability.



The TripStop joint allows sidewalk slabs to move uniformly with tree root growth, soil movement and thermal expansion without creating a trip hazard.

TripStop		Galvanized Steel Pins		Sidewalk Slab
Part Number	Dimensions (h x l)	Part Number	Dimensions (Size & Number)	Dimensions (h x w x l)
TS3-4	3" x 48" 75mm x 1200mm	TSP3	8" x 3 PINS 203mm x 3 PINS	3" x 48" x 48" 75mm x 1200mm x 1200mm
TS3-5	3" x 60" 75mm x 1500mm		8" x 4 PINS 203 mm x 4 PINS	3" x 60" x 60" 75mm x 1500mm x 1500mm
TS3-20	3" x 240" 75mm x 6096mm		8" x 5 PINS 203mm x 16 PINS	3" x cut to fit 75mm x cut to fit
TS4-4	4" x 48" 100mm x 1200mm	TSP4	10" x 3 PINS 254mm x 3 PINS	4" x 48" x 48" 100mm x 1200mm x 1200mm
TS4-5	4" x 60" 100mm x 1500mm		10" x 4 PINS 254mm x 4 PINS	4" x 60" x 60" 100mm x 1500mm x 1500mm
TS4-20	4" x 240" 100mm x 6096mm		10" x 16 PINS 254mm x 16 PINS	4" x cut to fit 100mm x cut to fit
TS5-4	5" x 48" 125mm x 1200mm	TSP5	12" x 3 PINS 305mm x 3 PINS	5" x 48" x 48" 125mm x 1200mm x 1200mm
TS5-5	5" x 60" 125mm x 1500mm		12" x 4 PINS 305mm x 4 PINS	5" x 60" x 60" 125mm x 1500mm x 1500mm
TS5-20	5" x 240" 125mm x 6096mm		12" x 16 PINS 305mm x 16 PINS	5" x cut to fit 125mm x cut to fit



* Illustrations are not to scale.

TripStop™ Articulating Sidewalk Joint System Installation - Section 03150

Position the TripStop Articulating Sidewalk Joint system at a 90 degree angle to the sidewalk bed with the galvanized steel installation pins secured in place. Level the soil using the bottom of TripStop as a guide so that there are no voids underneath TripStop. Pour the concrete into the sidewalk form. Concrete should be poured on both sides of TripStop uniformly without displacing TripStop from its proper vertical position. Ensure that maximum contact is maintained between TripStop and the concrete. Use the top surface of TripStop as a screed guide to achieve the desired slab thickness and finish the sidewalk surface according to accepted finishing procedures.



Independent Laboratory Testing



Testing at an independent laboratory measured load and freeze/thaw characteristics of a TripStop Sidewalk Assembly designed to simulate tree root invasion, soil expansion and thermal expansion.

The results confirmed that the stepping displacement was 0.18" or 4.49mm when concrete slabs were elevated 3" or 76 mm under load conditions ten times the design load for sidewalk construction. The Americans with Disabilities Act defines a sidewalk trip hazard as a differential in slab surfaces of 1/4" or 6mm.

The test report is available upon request.



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KINESIK Engineered Products Incorporated

2213 North Sheridan Way
Mississauga, Ontario L5K 1A3
Canada

Phone: 855.364.7763
Fax: 800.769.4463

www.kinesik.ca

