TRENCH GRATES

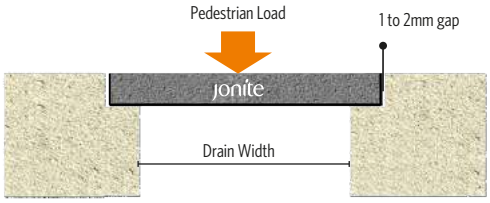
INSTALLATION GUIDE

Jonite®
When Details Matter

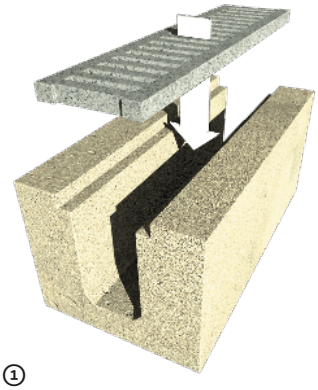
INSTALLATION

Trench Grates

1 LIGHT-DUTY GRATES ON LEVEL CONCRETE



Install directly on flat and **level concrete drains.**



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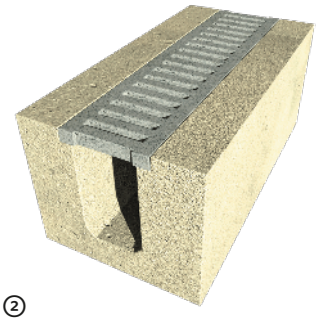

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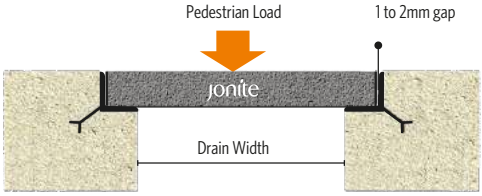
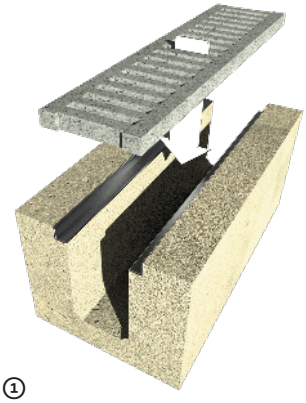
2 LIGHT-DUTY GRATES WITH L-STEEL ANGLES



Install with **L-Steel Angles with Fish Tail**



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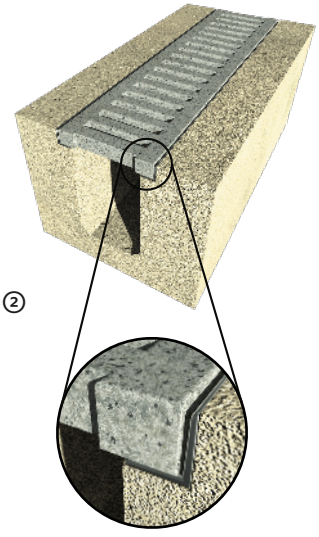

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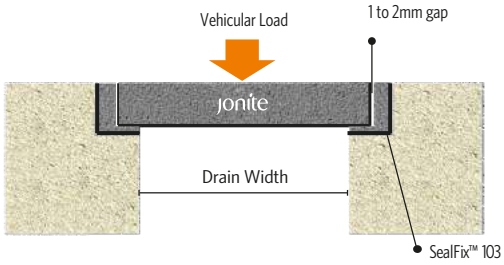
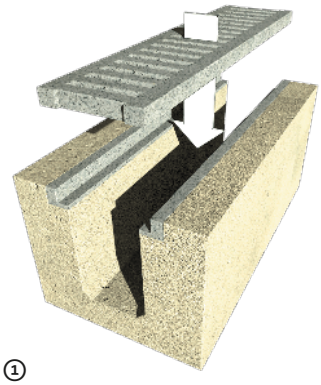
INSTALLATION

Trench Grates

3 HEAVY-DUTY GRATES WITH JONITE L-TRIMMER



Install with **Jonite L-Trimmer** using **Dry Fixing method** by **SealFix™103** (Epoxy Mortar)**.**



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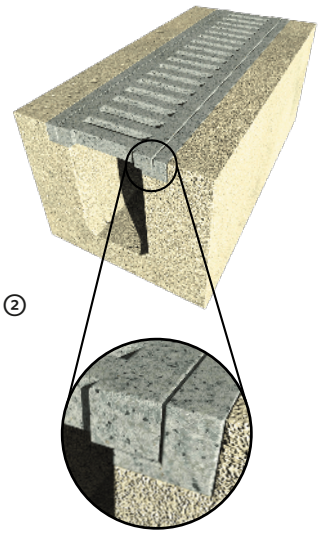

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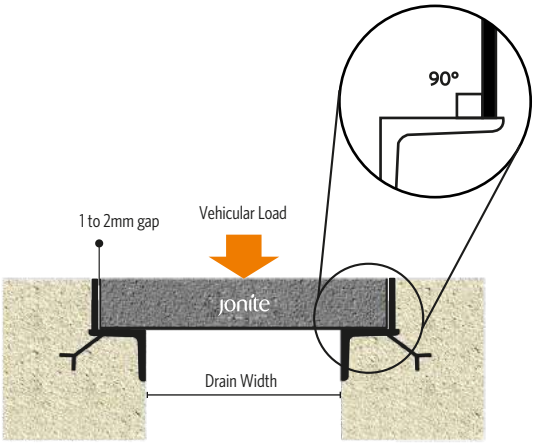
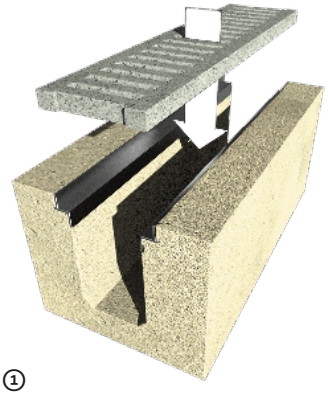
4 HEAVY-DUTY GRATES WITH INVERTED L-STEEL ANGLES



Install with **Inverted or Fabricated** L-Steel Angles to allow a 90° seating, which prevents breaking caused by **"Point Seating".**



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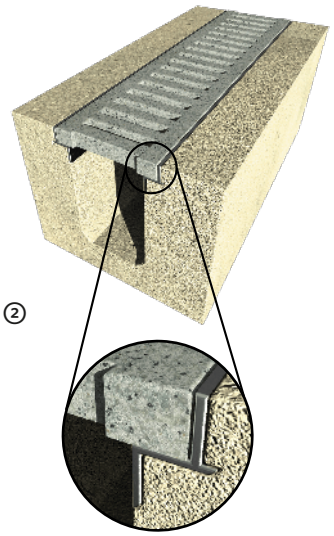

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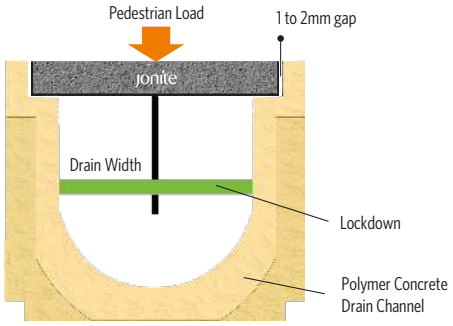
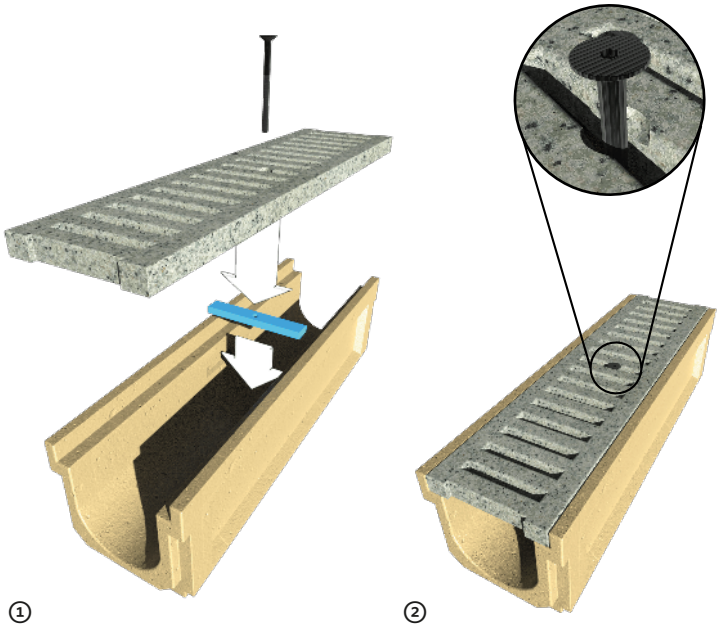
INSTALLATION

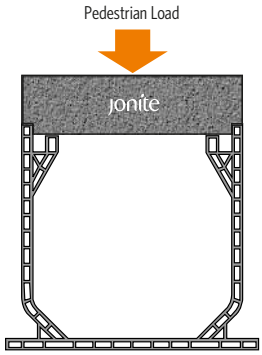
Trench Grates

5 GRATES IN COMPATIBLE DRAIN CHANNELS

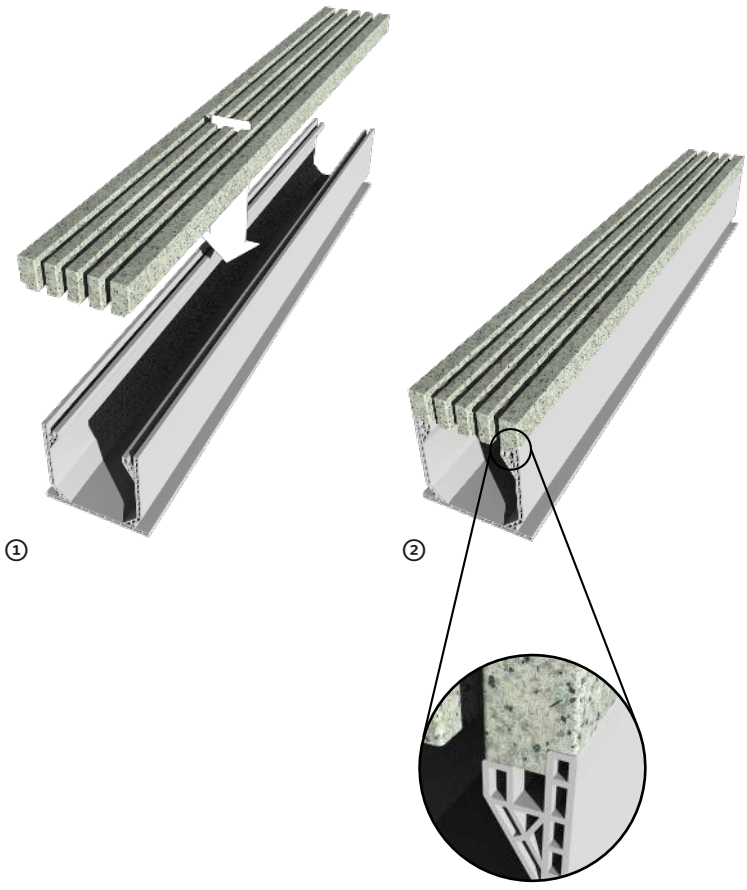


Install directly on the **compatible drain channels**. Place the lockdown plate first and then the grate, followed by the countersunk bolt to lock.





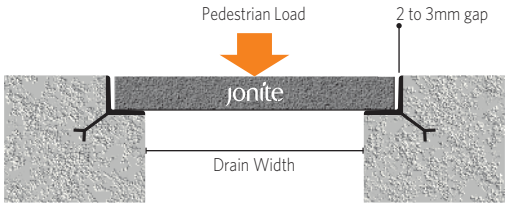
Install Jonite **USA Mini Grates** on the compatible drain channels. Grates will have recessed grooves to snap to channel.



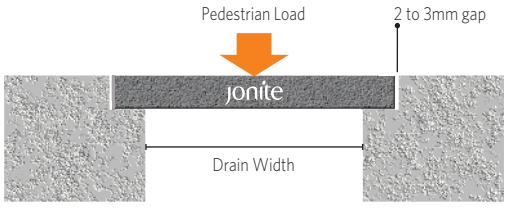
INSTALLATION

Using the right methods

Typical Installation of Light-Duty Gratings

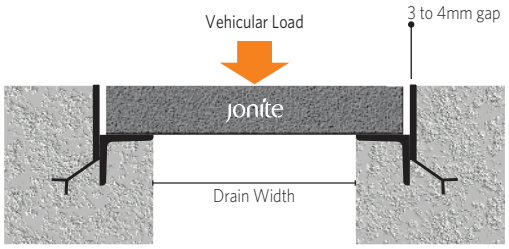


Install with **Metal 'L' Fish Tail.**

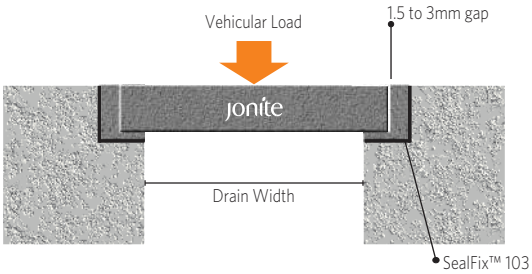


Install directly on the flat and **level concrete or tiles.**

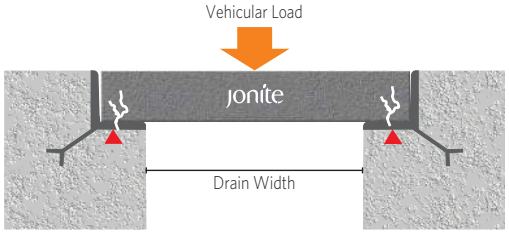
Typical Installation of Heavy-Duty Gratings And Above



Install with **Inverted or Fabricated** 'L' metal to allow a 90° seating, which prevents breaking caused by **'point seating'**.

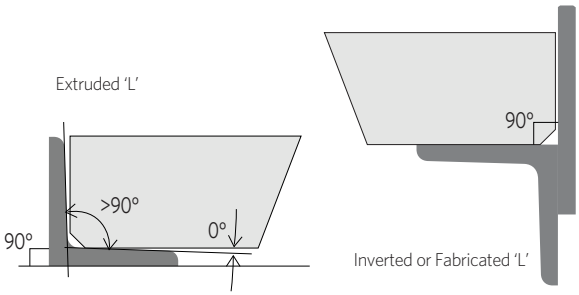


Install with **Jonite L-Trimmer** using Dry Fixing method by SealFix™ 103 (Epoxy Motar).



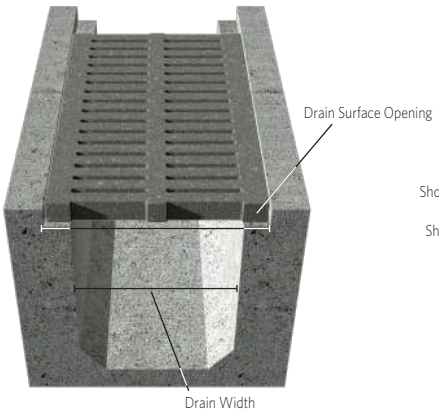
NOT RECOMMENDED FOR HEAVY DUTY APPLICATION

Point Seating effect occurs when the grate is not seated perpendicular to the 'L' section.



Mild-steel extruded 'L' section is not flat on the inner side, thus reducing the seating area and weakening the grating during heavy application. A chamfered corner as seen may not overcome the situation. Alternatively, the Inverted or Fabricated 'L' metal allows a perpendicular seating of the grating.

Installation Orientation



The **Right Orientation** For Gratings Installation

The **Wrong Orientation** For Gratings Installation

NOTE: All channel grates including sump covers are designed and strengthened based on the transverse direction or the width of the grates.