# TRENCH BOX

Polymer drain channel · 3 × 1 m sections with steel mesh grates



## PRODUCT OVERVIEW

Three 1 m polymer channel sections with steel mesh grates make 3 m (9 ft 10 in) of trench that collects shop water and sends it to your drain, settling tank or water recycling system. The sections click together end to end and are set in concrete, with the grates finished flush with the floor.

| | | | |
|---|---|---|---|
| **3 m** | **3 7/8 in** | **5 3/4 in** | **3.4 lb** |
| of trench per box (9 ft 10 in) | inside width and depth (100 mm) | channel width (147 mm) | per section (1.55 kg) |

## KEY FEATURES

### Clicks together

1 m sections join end to end without clips or screws; cut between the ribs for a short length.

### Steel mesh grates

Galvanized or 304 stainless mesh grate on every section, held by a side lock.

### Outlets where you need them

Bottom and side knock-outs, an end outlet for 2 in or 3 in PVC and a four-way joint.

### Set in concrete

The channel sits in a concrete bed, finished just above the grate; a foam strip along the edge lets the grates lift out for cleaning.

### Polypropylene

UV-stabilized PP/HDPE channel; resists most shop chemicals and oils.

### Sold by the box

Each box makes a 3 m run: order as many boxes as your trench is long.

## IDEAL APPLICATIONS

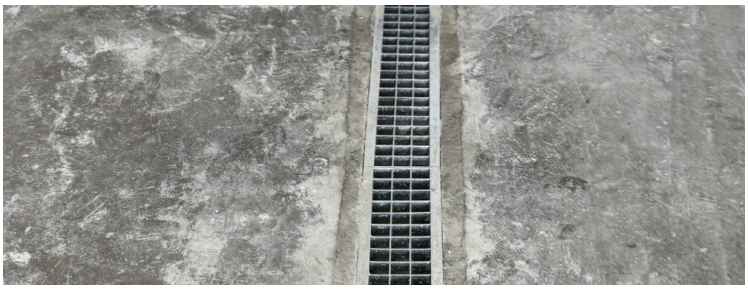
- Shop water around saws, CNC and polishing stations.
- Wash-down and slab-cleaning areas.
- Feeding a settling tank or a water recycling system.
- Doorways and wet floors in the shop.

### TRAFFIC OVER THE TRENCH

No traffic load rating is assigned. Vehicles and forklifts need approval of the channel, the grate and the concrete surround by your engineer.

# DETAILS AND SPECIFICATIONS

Trench Box · sizes in inches and millimeters



**Installed run, grates flush with the floor**



**Run feeding a collection pit**

### BOX

| | |
|---|---|
| **Contents** | 3 channel sections, 1 m each, with 3 grates |
| **Run per box** | 118 1/8 in (3,000 mm) (9 ft 10 1/8 in) |
| **Sold by** | The box |

### CHANNEL

| | |
|---|---|
| **L × W × H** | 39 3/8 × 5 3/4 × 5 1/4 in (1,000 × 147 × 132 mm) |
| **Inside width × depth** | 3 7/8 × 3 7/8 in (100 × 100 mm) |
| **Grate opening** | 4 3/8 in (112 mm) |
| **Material** | Polypropylene (PP/HDPE), UV stabilized, black |
| **Weight** | 3.4 lb (1.55 kg) per section |
| **Bottom knock-outs** | Ø 3 1/2 / 2 1/8 in (89 / 55 mm) |
| **Side knock-outs** | Ø 2 5/8 / 1 5/8 in (68 / 41 mm) |

### GRATES

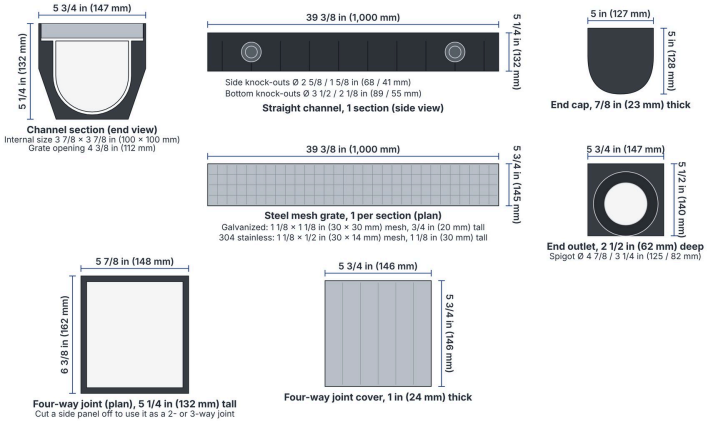
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|---|---|
| **Size** | 39 3/8 × 5 3/4 in (1,000 × 145 mm) |
| **Galvanized steel mesh** | 1 1/8 × 1 1/8 in (30 × 30 mm) mesh, 3/4 in (20 mm) tall |
| **304 stainless mesh** | 1 1/8 × 1/2 in (30 × 14 mm) mesh, 1 1/8 in (30 mm) tall |

### ACCESSORIES

| | |
|---|---|
| **End cap** | 5 × 5 × 7/8 in (127 × 128 × 23 mm) |
| **End outlet** | 5 3/4 × 5 1/2 × 2 1/2 in (147 × 140 × 62 mm); spigot Ø 4 7/8 / 3 1/4 in (125 / 82 mm) |
| **Four-way joint** | 5 7/8 × 6 3/8 × 5 1/4 in (148 × 162 × 132 mm); cover 5 3/4 × 5 3/4 × 1 in |

### INSTALLATION (FACTORY GUIDE)

| | |
|---|---|
| **Trench** | About 8 3/4 in wide × 7 1/8 in deep (222 × 182 mm) |
| **Fall** | About 1 % toward the outlet (1/8 in per ft) |
| **Finish** | Concrete 2–3 mm (about 1/8 in) above the grate |
| **Joints on raised floors** | Polyurethane sealant |




## IN EACH BOX

- 3 straight channel sections, 1 m each.
- 3 steel mesh grates with side lock.

## ACCESSORIES (ORDER AS NEEDED)

- End cap: closes the start of a run.
- End outlet: connects a run to 2 in or 3 in PVC pipe.
- Four-way joint and cover: joins runs at a cross (cut a side off for 2- or 3-way).
- Spare grates, galvanized or 304 stainless.

**Questions, or ready for a written quotation?** **+1 941-900-3018** · **sales@nextlevel.plus** · **nextlevel.plus**

Before you order: Plan the route, the fall toward the outlet and where the water goes. Count boxes by length (3 m each) and add the end caps, outlets and joints your layout needs. Factory drawing, data and installation guide, 2025. Inches are rounded to the nearest 1/8 in. Your contractor sets the slab, reinforcement and drainage design. Specifications are subject to change without notice.