WATER & DUST

TECHNICAL SPECIFICATION SHEET

TRENCH BOX

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

Three 1 m polymer channel sections with steel mesh grates make 9 ft 10 in (3 m) of trench that collects shop water and sends it to your drain, settling tank or water recycling system.



9 ft 10 in Of trench per box (3 m)	**3 sections** 39⅜ in (1 m) each, with grates	**⅞ × ⅞ in** Inside width × depth (100 × 100 mm)
5¾ × 5¼ in Outside width × height (147 × 132 mm)	**Polypropylene** PP/HDPE, UV stabilized	**3.4 lb** Per channel 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.
- **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.
- **Polypropylene**
  UV-stabilized PP/HDPE channel; resists most shop chemicals and oils.
- **Steel mesh grates**
  Galvanized or 304 stainless mesh grate on every section, held by a side lock.
- **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.
- **Sold by the box**
  Each box makes a 3 m run: order as many boxes as your trench is long.

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.

TRENCH BOX · TECHNICAL DATA

WATER & DUST

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	
Size	39 3/8 × 5 3/4 in (1,000 × 145 mm)

GRATES (CONT.)	
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

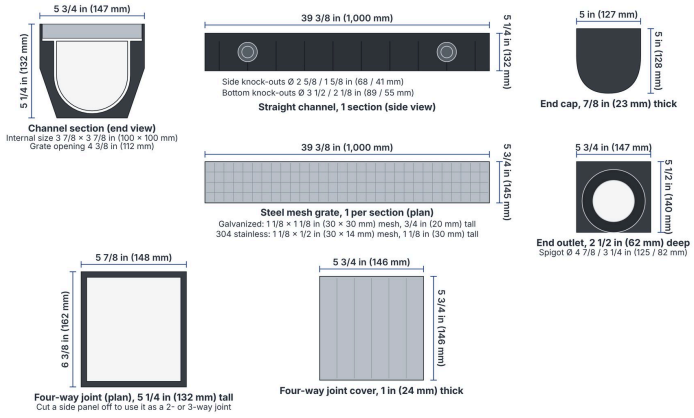
ACCESSORIES	
End cap	5 × 5 × 7/8 in (127 × 128 × 23 mm)
End outlet	5 3/4 × 5 1/2 × 2 1/2 in (147 × 140 × 62 mm); spigot Ø 4 7/8 / 3 1/4 in (125 / 82 mm)
Four-way joint	5 7/8 × 6 3/8 × 5 1/4 in (148 × 162 × 132 mm); cover 5 3/4 × 5 3/4 × 1 in

DIMENSIONS AND WEIGHT	
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 about 1/8 in (2–3 mm) above the grate
Joints on raised floors	Polyurethane sealant

INCLUDED AS STANDARD

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

TRENCH COMPONENTS



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. Images may show optional equipment. All dimensions and weights are approximate; U.S. values are converted from the factory's metric data. Document date: Nov 2026. Next Level Enterprises · www.nextlevel.plus · +1 941-900-3018 · sales@nextlevel.plus