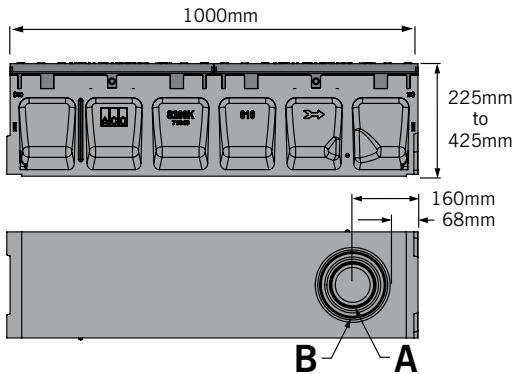
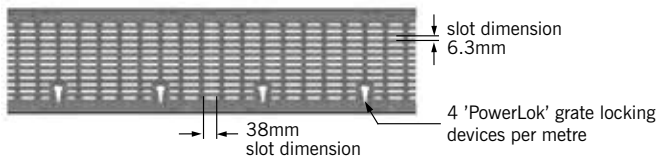




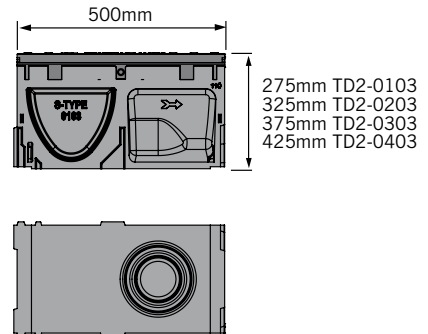
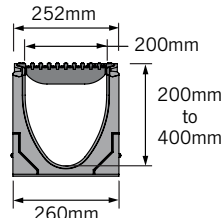
This grate is part of ACO's Heelsafe® Anti-Slip range. For more information visit www.heelsafe.com.au

One metre channel

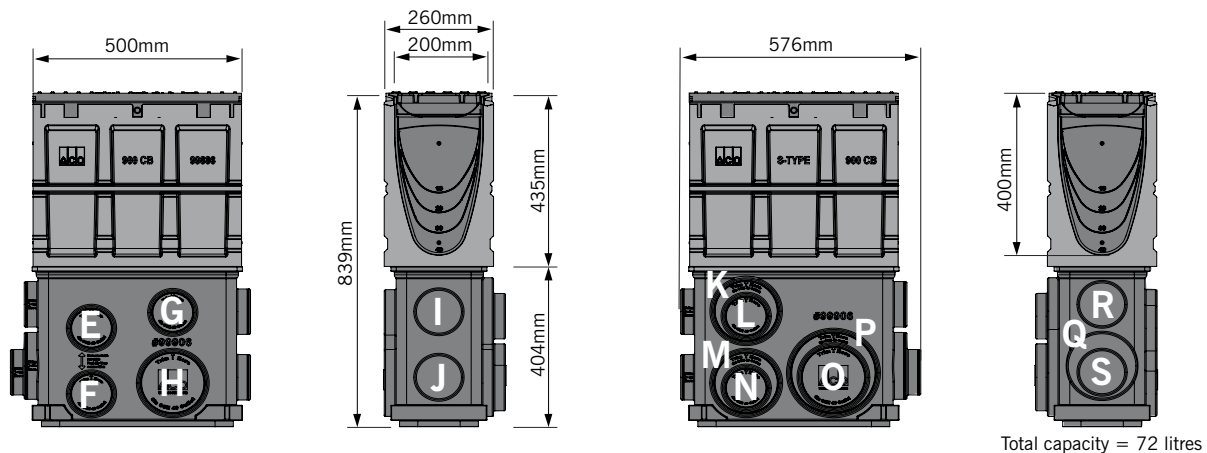


Knock-outs included on every 5th channel

Half metre channel



TD2-902 In-line pit

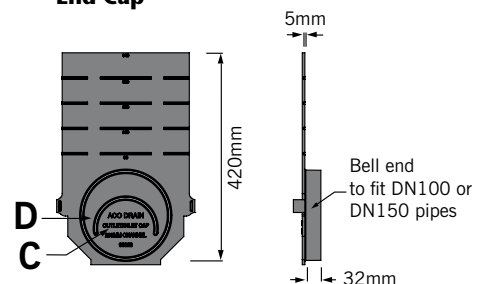


Outlet flow rates

Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - TD2-00	100mm round	200	10.1
A	Bottom outlet - TD2-040	100mm round	400	14.3
B	Bottom outlet - TD2-00	150mm round	200	22.8
B	Bottom outlet - TD2-040	150mm round	400	32.2
C	End outlet - TD2-00	100mm round	200	7.2
C	End outlet - TD2-040	100mm round	400	12.4
D	End outlet - TD2-010	150mm round	250	16.1
D	End outlet - TD2-040	150mm round	400	25.4
E	TD2-902	100mm round	643	16.7
F	TD2-902	100mm round	808	19.0
G	TD2-902	100mm round	604	16.1
H	TD2-902	150mm round	808	41.3
I	TD2-902	100mm round	607	16.1
J	TD2-902	100mm round	772	18.5
K	TD2-902	150mm round	627	35.1
L	TD2-902	100mm round	613	16.2
M	TD2-902	150mm round	808	41.3
N	TD2-902	100mm round	794	18.8
O	TD2-902	150mm round	794	40.8
P	TD2-902	200mm round	808	70.5
Q	TD2-902	150mm round	770	40.1
R	TD2-902	100mm round	589	15.8
S	TD2-902	100mm round	759	18.4

Note: These are the pipe flow rates at the specified outlet, **NOT** channel flow rates. In-line pit flow rates are without rubbish basket - using rubbish basket reduces flow.

End Cap



TraffikDrain - TD200 Iron edge rail channel system with Heelsafe® grate



Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
TD2-00 Neutral channel - (1m)¹	150491	200	53.6	TD2-28 Sloped channel - (1m)	150478	340	67.1
TD2-1 Sloped channel - (1m)	150451	205	53.6	TD2-29 Sloped channel - (1m)	150479	345	67.6
TD2-2 Sloped channel - (1m)	150452	210	54.1	TD2-30 Sloped channel - (1m) ¹	150480	350	68.1
TD2-3 Sloped channel - (1m)	150453	215	54.6	TD2-030 Neutral channel - (1m)¹	150497	350	68.1
TD2-4 Sloped channel - (1m)	150454	220	55.1	TD2-0303 Neutral channel - (0.5m)¹	150498	350	40.7
TD2-5 Sloped channel - (1m) ¹	150455	225	55.6	TD2-31 Sloped channel - (1m)	150481	355	68.6
TD2-6 Sloped channel - (1m)	150456	230	56.1	TD2-32 Sloped channel - (1m)	150482	360	69.1
TD2-7 Sloped channel - (1m)	150457	235	56.6	TD2-33 Sloped channel - (1m)	150483	365	69.6
TD2-8 Sloped channel - (1m)	150458	240	57.1	TD2-34 Sloped channel - (1m)	150484	370	70.1
TD2-9 Sloped channel - (1m)	150459	245	57.6	TD2-35 Sloped channel - (1m) ¹	150485	375	70.6
TD2-10 Sloped channel - (1m) ¹	150460	250	58.1	TD2-36 Sloped channel - (1m)	150486	380	71.1
TD2-010 Neutral channel - (1m)¹	150493	250	58.1	TD2-37 Sloped channel - (1m)	150487	385	71.6
TD2-0103 Neutral channel - (0.5m)¹	150494	250	35.2	TD2-38 Sloped channel - (1m)	150488	390	72.1
TD2-11 Sloped channel - (1m)	150461	255	58.6	TD2-39 Sloped channel - (1m)	150489	395	72.6
TD2-12 Sloped channel - (1m)	150462	260	59.1	TD2-40 Sloped channel - (1m) ¹	150490	400	73.1
TD2-13 Sloped channel - (1m)	150463	265	59.6	TD2-040 Neutral channel - (1m)¹	150499	400	73.1
TD2-14 Sloped channel - (1m)	150464	270	60.1	TD2-0403 Neutral channel - (0.5m)¹	150500	400	44.7
TD2-15 Sloped channel - (1m) ¹	150465	275	60.6	TD2-902 In-line pit (0.5m) ³	142307	839 ⁴	44.0
TD2-16 Sloped channel - (1m)	150466	280	61.1	Type 900 In-line plastic rubbish basket	13999	-	0.5
TD2-17 Sloped channel - (1m)	150467	285	61.6	Universal end cap	96823	420 ⁴	0.6
TD2-18 Sloped channel - (1m)	150468	290	62.1	Debris strainer for 100mm knockout	93488	-	0.1
TD2-19 Sloped channel - (1m)	150469	295	62.6	Installation device	97478	-	1.8
TD2-20 Sloped channel - (1m) ¹	150470	300	63.1	Grate removal tool	01318	-	0.1
TD2-020 Neutral channel - (1m)¹	150495	300	63.1	PowerLok safety clip	10443	-	-
TD2-0203 Neutral channel - (0.5m)¹	150496	300	38.7				
TD2-21 Sloped channel - (1m)	150471	305	63.6				
TD2-22 Sloped channel - (1m)	150472	310	64.1				
TD2-23 Sloped channel - (1m)	150473	315	64.6				
TD2-24 Sloped channel - (1m)	150474	320	65.1				
TD2-25 Sloped channel - (1m) ¹	150475	325	65.6				
TD2-26 Sloped channel - (1m)	150476	330	66.1				
TD2-27 Sloped channel - (1m)	150477	335	66.6				

Notes:

1. This channel offers bottom knockout feature; 100mm and 150mm round.
2. Inverts shown are male end, for female invert depths – subtract 5mm from male invert (except neutral channels where it will be the same as the male invert). To calculate overall channel depth, add 25mm to invert depth.
3. In-line pit assembly (polymer concrete top with ductile iron edge rail, PowerLok grate and plastic base).
4. Overall depth of in-line pit and end cap.
5. Channel and grate assembly come complete.

Specifications

The surface drainage system shall be ACO's TraffikDrain TD200 polymer concrete V-profile channel system with ductile iron edge rails as manufactured by ACO.

Channels

TD200 channel shall be 200mm nominal internal width with an overall width of 260mm. Channel invert shall have a V-profile to allow efficient drainage and channel walls shall have deep pockets and vertical ribs for mechanical keying. TD200 sloped channels shall have a built-in slope of 0.5%. All channels shall be interlocking with a male/female joint and have provisions for the installation device.

Grates

Insert specification for the TraffikDrain TD200 Iron Intercept **Heelsafe®** Anti-Slip grate. Refer to the relevant ACO Specification Information sheet, at: <http://www.acoaus.com.au/infrastructure>

Installation

The complete drainage system shall be by ACO and to be installed for its intended purpose. Any deviation or partial use of the specified system and/or improper installation will void all warranties provided by ACO.

Materials

TD200 channel shall be manufactured from polyester resin polymer concrete with integrally cast-in ductile iron edge rails with anti-shunt lugs.

Properties of polymer concrete will be as follows with supporting documentation:

Compressive Strength:	98 MPa
Flexural Strength:	26 MPa
Tensile Strength:	14 MPa
Water Absorption:	0.07%
Frost Proof:	YES
Coefficient of Expansion and Contraction:	2.02x10 ⁻⁵ /°C
Water Vapour Transmission:	0.0364g/m ²
Non Flammable:	YES
Roughness (Mannings):	n=0.011
Resistant to Weathering:	YES
Dilute Acid and Alkali Resistant:	YES
SF Sealant Groove:	YES

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