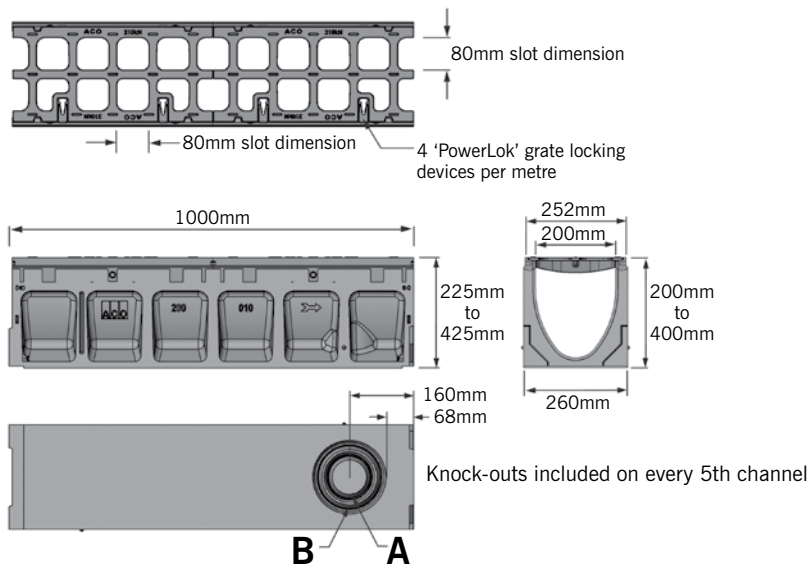
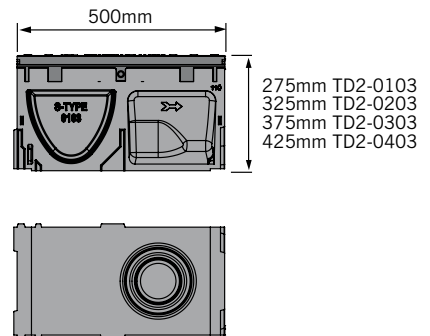




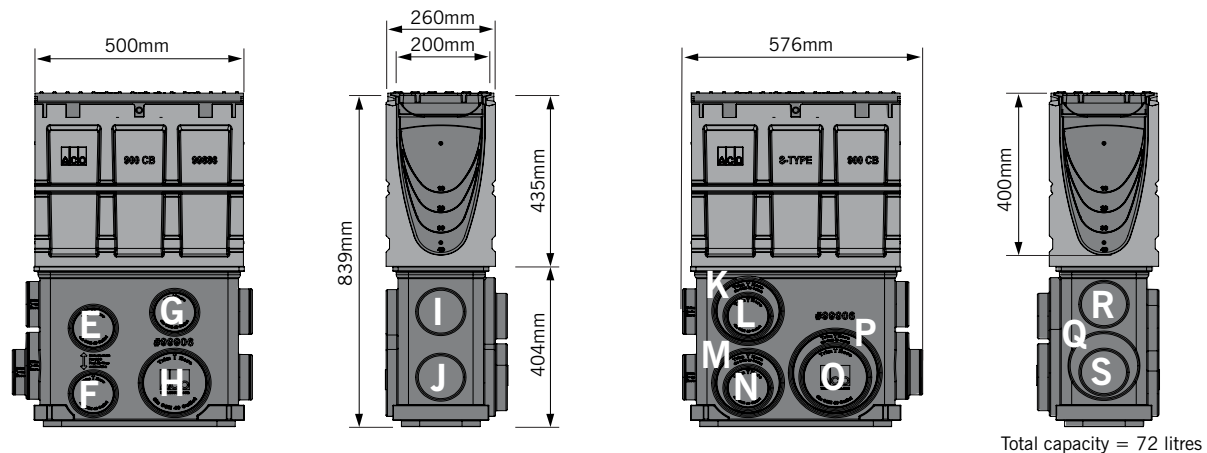
One metre channel



Half metre channel



TD2-902 In-line pit

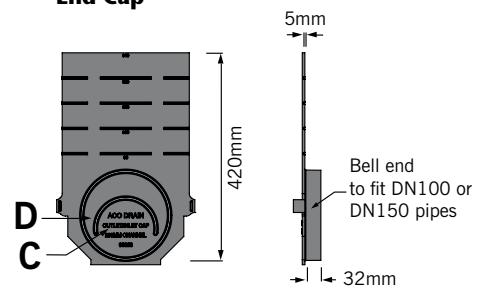


Outlet flow rates

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 Hi-Flo grate



Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
TD2-00 Neutral channel - (1m)¹	150641	200	48.4	TD2-28 Sloped channel - (1m)	150628	340	61.9
TD2-1 Sloped channel - (1m)	150601	205	48.4	TD2-29 Sloped channel - (1m)	150629	345	62.4
TD2-2 Sloped channel - (1m)	150602	210	48.9	TD2-30 Sloped channel - (1m) ¹	150630	350	62.9
TD2-3 Sloped channel - (1m)	150603	215	49.4	TD2-030 Neutral channel - (1m)¹	150647	350	62.9
TD2-4 Sloped channel - (1m)	150604	220	49.9	TD2-0303 Neutral channel - (0.5m)¹	150648	350	38.1
TD2-5 Sloped channel - (1m) ¹	150605	225	50.4	TD2-31 Sloped channel - (1m)	150631	355	63.4
TD2-6 Sloped channel - (1m)	150606	230	50.9	TD2-32 Sloped channel - (1m)	150632	360	63.9
TD2-7 Sloped channel - (1m)	150607	235	51.4	TD2-33 Sloped channel - (1m)	150633	365	64.4
TD2-8 Sloped channel - (1m)	150608	240	51.9	TD2-34 Sloped channel - (1m)	150634	370	64.9
TD2-9 Sloped channel - (1m)	150609	245	52.4	TD2-35 Sloped channel - (1m) ¹	150635	375	65.4
TD2-10 Sloped channel - (1m) ¹	150610	250	52.9	TD2-36 Sloped channel - (1m)	150636	380	65.9
TD2-010 Neutral channel - (1m)¹	150643	250	52.9	TD2-37 Sloped channel - (1m)	150637	385	66.4
TD2-0103 Neutral channel - (0.5m)¹	150644	250	32.6	TD2-38 Sloped channel - (1m)	150638	390	66.9
TD2-11 Sloped channel - (1m)	150611	255	53.4	TD2-39 Sloped channel - (1m)	150639	395	67.4
TD2-12 Sloped channel - (1m)	150612	260	53.9	TD2-40 Sloped channel - (1m) ¹	150640	400	67.9
TD2-13 Sloped channel - (1m)	150613	265	54.4	TD2-040 Neutral channel - (1m)¹	150649	400	67.9
TD2-14 Sloped channel - (1m)	150614	270	54.9	TD2-0403 Neutral channel - (0.5m)¹	150650	400	42.1
TD2-15 Sloped channel - (1m) ¹	150615	275	55.4	TD2-902 In-line pit (0.5m) ³	142302	839 ⁴	41.4
TD2-16 Sloped channel - (1m)	150616	280	55.9	Type 900 In-line plastic rubbish basket	13999	-	0.5
TD2-17 Sloped channel - (1m)	150617	285	56.4	Universal end cap	96823	420 ⁴	0.6
TD2-18 Sloped channel - (1m)	150618	290	56.9	Debris strainer for 100mm knockout	93488	-	0.1
TD2-19 Sloped channel - (1m)	150619	295	57.4	Installation device	97478	-	1.8
TD2-20 Sloped channel - (1m) ¹	150620	300	57.9	Grate removal tool	01318	-	0.1
TD2-020 Neutral channel - (1m)¹	150645	300	57.9	PowerLok safety clip	10443	-	-
TD2-0203 Neutral channel - (0.5m)¹	150646	300	36.1				
TD2-21 Sloped channel - (1m)	150621	305	58.4				
TD2-22 Sloped channel - (1m)	150622	310	58.9				
TD2-23 Sloped channel - (1m)	150623	315	59.4				
TD2-24 Sloped channel - (1m)	150624	320	59.9				
TD2-25 Sloped channel - (1m) ¹	150625	325	60.4				
TD2-26 Sloped channel - (1m)	150626	330	60.9				
TD2-27 Sloped channel - (1m)	150627	335	61.4				

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 Hi-Flo 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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SPEC INFO
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<https://askaco.nz/aco-traffikdrain/>