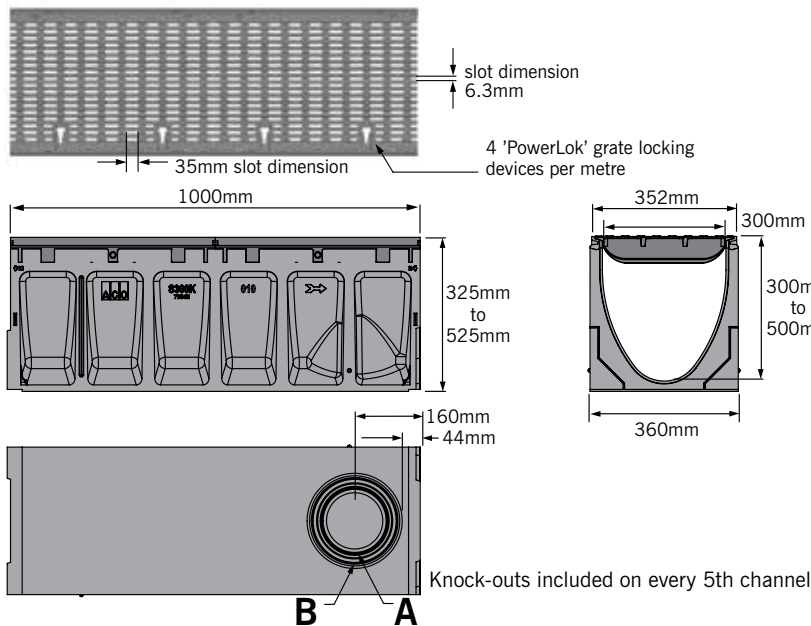


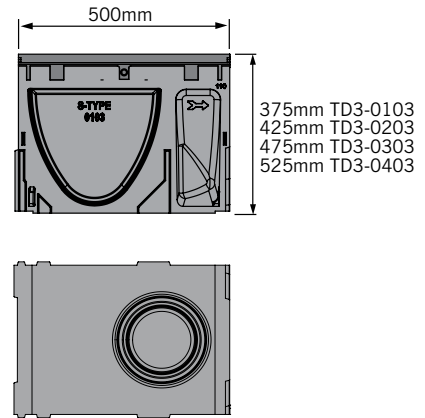
TrafficDrain - TD300 Iron edge rail channel system with Heelsafe® grate

One metre channel

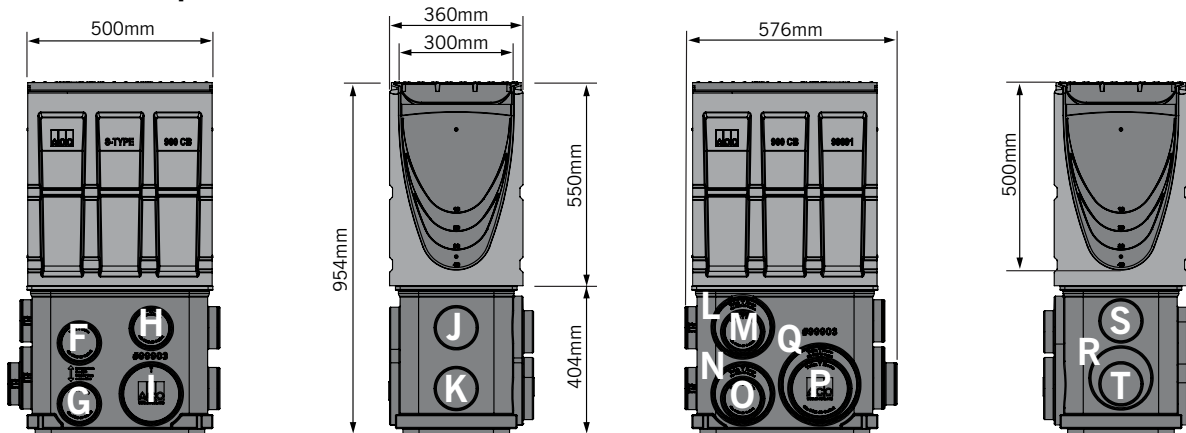


This grate is part of ACO's Heelsafe® Anti-Slip range. For more information visit www.heelsafe.com.au

Half metre channel



TD3-903 In-line pit



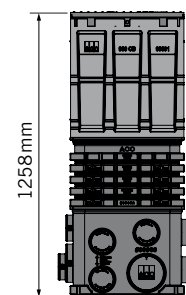
Outlet flow rates

Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - TD3-00	150mm round	300	27.9
A	Bottom outlet - TD3-040	150mm round	500	36.0
B	Bottom outlet - TD3-00	200mm round	300	49.5
B	Bottom outlet - TD3-040	200mm round	500	64.0
C	End outlet - TD3-00	150mm round	300	19.7
C	End outlet - TD3-040	150mm round	500	30.1
D	End outlet - TD3-010	200mm round	350	35.0
D	End outlet - TD3-040	200mm round	500	49.5
E	End outlet - TD3-020	250mm round	400	54.7
E	End outlet - TD3-040	250mm round	500	70.7
F	TD3-903	100mm round	757	18.3
G	TD3-903	100mm round	922	20.5
H	TD3-903	100mm round	717	17.8
I	TD3-903	150mm round	922	44.7
J	TD3-903	100mm round	721	17.8
K	TD3-903	100mm round	886	20.0
L	TD3-903	150mm round	740	39.1
M	TD3-903	100mm round	726	17.9
N	TD3-903	150mm round	922	44.7
O	TD3-903	100mm round	907	20.3
P	TD3-903	150mm round	907	44.3
Q	TD3-903	200mm round	922	76.8
R	TD3-903	150mm round	883	43.6
S	TD3-903	100mm round	702	17.5
T	TD3-903	100mm round	873	19.9

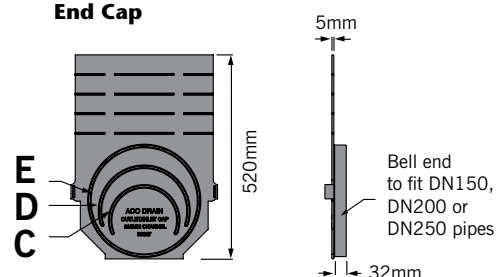
Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates. In-line pit flow rates are without rubbish basket - using rubbish basket reduces flow.

TD3-903 In-line pit with riser

- Notes:
- Riser can be cut down in 25mm increments.
 - Maximum capacity including riser 160 litres.
 - Add 300mm to all heights if using riser.
 - Outlet flow rates will be higher due to increased depth. Contact ACO Sales Office for more details.



End Cap



TraffikDrain - TD300 Iron edge rail channel system with Heelsafe® grate



Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
TD3-00 Neutral channel - (1m)¹	150591	300	88.6	TD3-28 Sloped channel - (1m)	150578	440	103.7
TD3-1 Sloped channel - (1m)	150551	305	88.6	TD3-29 Sloped channel - (1m)	150579	445	104.3
TD3-2 Sloped channel - (1m)	150552	310	89.2	TD3-30 Sloped channel - (1m) ¹	150580	450	104.8
TD3-3 Sloped channel - (1m)	150553	315	89.8	TD3-030 Neutral channel - (1m)¹	150596	450	104.8
TD3-4 Sloped channel - (1m)	150554	320	90.3	TD3-0303 Neutral channel - (0.5m)¹	150599	450	56.6
TD3-5 Sloped channel - (1m) ¹	150555	325	90.9	TD3-31 Sloped channel - (1m)	150581	455	105.4
TD3-6 Sloped channel - (1m)	150556	330	91.5	TD3-32 Sloped channel - (1m)	150582	460	106.0
TD3-7 Sloped channel - (1m)	150557	335	92.0	TD3-33 Sloped channel - (1m)	150583	465	106.5
TD3-8 Sloped channel - (1m)	150558	340	92.5	TD3-34 Sloped channel - (1m)	150584	470	107.1
TD3-9 Sloped channel - (1m)	150559	345	93.1	TD3-35 Sloped channel - (1m) ¹	150585	475	107.6
TD3-10 Sloped channel - (1m) ¹	150560	350	93.7	TD3-36 Sloped channel - (1m)	150586	480	108.2
TD3-010 Neutral channel - (1m)¹	150592	350	93.7	TD3-37 Sloped channel - (1m)	150587	485	108.7
TD3-0103 Neutral channel - (0.5m)¹	150595	350	50.1	TD3-38 Sloped channel - (1m)	150588	490	109.3
TD3-11 Sloped channel - (1m)	150561	355	94.2	TD3-39 Sloped channel - (1m)	150589	495	109.9
TD3-12 Sloped channel - (1m)	150562	360	94.8	TD3-40 Sloped channel - (1m) ¹	150590	500	110.4
TD3-13 Sloped channel - (1m)	150563	365	95.4	TD3-040 Neutral channel - (1m)¹	150598	500	110.4
TD3-14 Sloped channel - (1m)	150564	370	95.9	TD3-0403 Neutral channel - (0.5m)¹	150600	500	60.3
TD3-15 Sloped channel - (1m) ¹	150565	375	96.4	TD3-903 In-line pit (0.5m) ³	142308	954 ⁴	59.1
TD3-16 Sloped channel - (1m)	150566	380	97.0	Type 900 In-line plastic rubbish basket	98653	-	1.6
TD3-17 Sloped channel - (1m)	150567	385	97.6	Optional plastic riser	141729	300	4.5
TD3-18 Sloped channel - (1m)	150568	390	98.1	Plastic rubbish basket - long	98665	-	1.8
TD3-19 Sloped channel - (1m)	150569	395	98.7	TD3-614 In-line pit (0.5m) ³	142230	1261 ⁴	105.8
TD3-20 Sloped channel - (1m) ¹	150570	400	99.3	Universal end cap	96827	520 ⁴	1.1
TD3-020 Neutral channel - (1m)¹	150594	400	99.3	Installation device	97479	-	2.2
TD3-0203 Neutral channel - (0.5m)¹	150597	400	53.3	Grate removal tool	01318	-	0.1
TD3-21 Sloped channel - (1m)	150571	405	99.8	PowerLok safety clip	10443	-	-
TD3-22 Sloped channel - (1m)	150572	410	100.4				
TD3-23 Sloped channel - (1m)	150573	415	100.9				
TD3-24 Sloped channel - (1m)	150574	420	101.5				
TD3-25 Sloped channel - (1m) ¹	150575	425	102.0				
TD3-26 Sloped channel - (1m)	150576	430	102.6				
TD3-27 Sloped channel - (1m)	150577	435	103.2				

Notes:

1. This channel offers bottom knockout feature; 150mm and 200mm 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 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 TD300 polymer concrete V-profile channel system with ductile iron edge rails as manufactured by ACO.

Channels

TD300 channel shall be 300mm nominal internal width with an overall width of 360mm. Channel invert shall have a V-profile to allow efficient drainage and channel walls shall have deep pockets and vertical ribs for mechanical keying. TD300 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 TD300 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

TD300 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

**ACO Limited
New Zealand**

Ph: 0800 448 080
www.aconz.co.nz
sales@aconz.co.nz

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