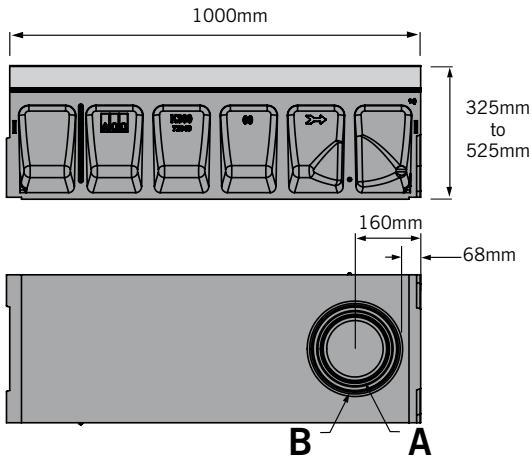
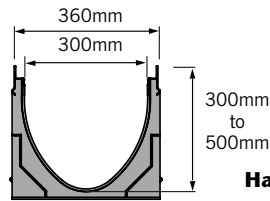




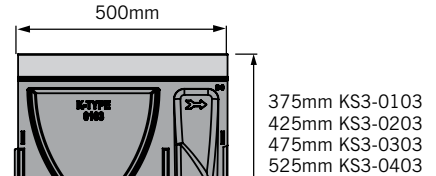
One metre channel



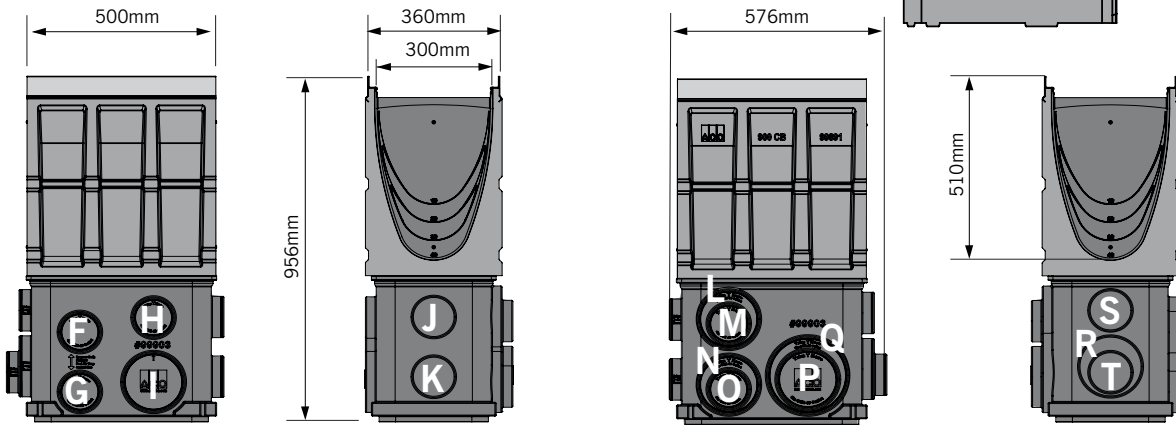
Knock-outs included on every 5th channel



Half metre channel



KS3-903S In-line pit



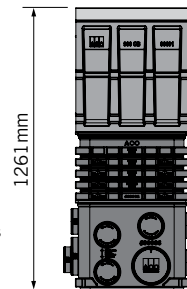
Total capacity = 120 litres

Outlet flow rates

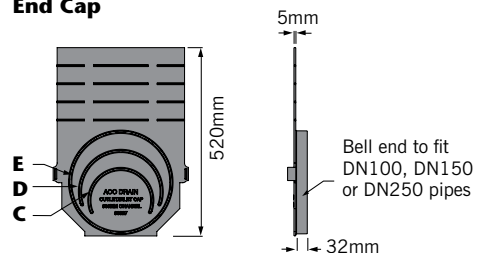
Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - KS3-00	150mm round	300	27.9
A	Bottom outlet - KS3-040	150mm round	500	36.0
B	Bottom outlet - KS3-00	200mm round	300	49.5
B	Bottom outlet - KS3-040	200mm round	500	64.0
C	End outlet - KS3-00	150mm round	300	19.7
C	End outlet - KS3-040	150mm round	500	30.1
D	End outlet - KS3-010	200mm round	350	35.0
D	End outlet - KS3-040	200mm round	500	49.5
E	End outlet - KS3-020	250mm round	400	54.7
E	End outlet - KS3-040	250mm round	500	70.7
F	KS3-903S	100mm round	757	18.3
G	KS3-903S	100mm round	922	20.5
H	KS3-903S	100mm round	717	17.8
I	KS3-903S	150mm round	922	44.7
J	KS3-903S	100mm round	721	17.8
K	KS3-903S	100mm round	886	20.0
L	KS3-903S	150mm round	740	39.1
M	KS3-903S	100mm round	726	17.9
N	KS3-903S	150mm round	922	44.7
O	KS3-903S	100mm round	907	20.3
P	KS3-903S	150mm round	907	44.3
Q	KS3-903S	200mm round	922	76.9
R	KS3-903S	150mm round	883	43.6
S	KS3-903S	100mm round	702	17.5
T	KS3-903S	100mm round	873	19.9

KS3-903S 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



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.





Description	Part No.	Invert <sup>2</sup> (mm)	Weight (kg)	Description	Part No.	Invert <sup>2</sup> (mm)	Weight (kg)
<b>KS3-00 Neutral channel - (1m)<sup>1</sup></b>	<b>146441</b>	<b>300</b>	<b>60.1</b>	KS3-28 Sloped channel - (1m)	146428	440	74.9
KS3-1 Sloped channel - (1m)	146401	305	60.1	KS3-29 Sloped channel - (1m)	146429	445	75.4
KS3-2 Sloped channel - (1m)	146402	310	60.7	KS3-30 Sloped channel - (1m) <sup>1</sup>	146430	450	76.0
KS3-3 Sloped channel - (1m)	146403	315	61.2	<b>KS3-030 Neutral channel - (1m)<sup>1</sup></b>	<b>146447</b>	<b>450</b>	<b>76.0</b>
KS3-4 Sloped channel - (1m)	146404	320	61.8	<b>KS3-0303 Neutral channel - (0.5m)<sup>1</sup></b>	<b>146448</b>	<b>450</b>	<b>40.6</b>
KS3-5 Sloped channel - (1m) <sup>1</sup>	146405	325	62.3	KS3-31 Sloped channel - (1m)	146431	455	76.5
KS3-6 Sloped channel - (1m)	146406	330	62.9	KS3-32 Sloped channel - (1m)	146432	460	77.1
KS3-7 Sloped channel - (1m)	146407	335	63.4	KS3-33 Sloped channel - (1m)	146433	465	77.6
KS3-8 Sloped channel - (1m)	146408	340	64.0	KS3-34 Sloped channel - (1m)	146434	470	78.2
KS3-9 Sloped channel - (1m)	146409	345	64.5	KS3-35 Sloped channel - (1m) <sup>1</sup>	146435	475	78.7
KS3-10 Sloped channel - (1m) <sup>1</sup>	146410	350	65.0	KS3-36 Sloped channel - (1m)	146436	480	79.2
<b>KS3-010 Neutral channel - (1m)<sup>1</sup></b>	<b>146443</b>	<b>350</b>	<b>65.0</b>	KS3-37 Sloped channel - (1m)	146437	485	79.8
<b>KS3-0103 Neutral channel - (0.5m)<sup>1</sup></b>	<b>146444</b>	<b>350</b>	<b>34.2</b>	KS3-38 Sloped channel - (1m)	146438	490	80.3
KS3-11 Sloped channel - (1m)	146411	355	65.6	KS3-39 Sloped channel - (1m)	146439	495	80.9
KS3-12 Sloped channel - (1m)	146412	360	66.1	KS3-40 Sloped channel - (1m) <sup>1</sup>	146440	500	81.4
KS3-13 Sloped channel - (1m)	146413	365	66.7	<b>KS3-040 Neutral channel - (1m)<sup>1</sup></b>	<b>146449</b>	<b>500</b>	<b>81.4</b>
KS3-14 Sloped channel - (1m)	146414	370	67.2	<b>KS3-0403 Neutral channel - (0.5m)<sup>1</sup></b>	<b>146450</b>	<b>500</b>	<b>44.3</b>
KS3-15 Sloped channel - (1m) <sup>1</sup>	146415	375	67.8	KS3-903S In-line pit (0.5m) <sup>3</sup>	141822	956 <sup>4</sup>	39.9
KS3-16 Sloped channel - (1m)	146416	380	68.3	Type 900 In-line plastic rubbish basket	98653	-	1.6
KS3-17 Sloped channel - (1m)	146417	385	68.9	Optional plastic riser	141729	300	4.5
KS3-18 Sloped channel - (1m)	146418	390	69.4	Plastic rubbish basket - long	98665	-	1.8
KS3-19 Sloped channel - (1m)	146419	395	69.9	Universal end cap	96826	520 <sup>4</sup>	1.1
KS3-20 Sloped channel - (1m) <sup>1</sup>	146420	400	70.5	Installation device	97479	-	2.2
<b>KS3-020 Neutral channel - (1m)<sup>1</sup></b>	<b>146445</b>	<b>400</b>	<b>70.5</b>	Grate removal tool	01318	-	0.1
<b>KS3-0203 Neutral channel - (0.5m)<sup>1</sup></b>	<b>146446</b>	<b>400</b>	<b>37.3</b>	QuickLok bar	10458	-	0.1
KS3-21 Sloped channel - (1m)	146421	405	71.1				
KS3-22 Sloped channel - (1m)	146422	410	71.6				
KS3-23 Sloped channel - (1m)	146423	415	72.2				
KS3-24 Sloped channel - (1m)	146424	420	72.7				
KS3-25 Sloped channel - (1m) <sup>1</sup>	146425	425	73.3				
KS3-26 Sloped channel - (1m)	146426	430	73.8				
KS3-27 Sloped channel - (1m)	146427	435	74.3				

**Notes:**

1. This channel offers bottom knockout feature; 150mm & 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 stainless steel edge rail, plastic base & removable QuickLok Bar). Select appropriate QuickLok grate to suit.
4. Overall depth of in-line pit and end caps.

**Specifications**

**General**

The surface drainage system shall be ACO's KlassikDrain KS300 polymer concrete V-profile channel system with stainless steel edge rails as manufactured by ACO.

**Materials**

KS300 channels shall be manufactured from polyester resin polymer concrete with integrally cast-in stainless steel edge rails. 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/Contraction: 2.02x10<sup>-5</sup>/°C  
 Water Vapour Transmission: 0.0364g/m<sup>2</sup>  
 Non Flammable: YES  
 Roughness (Mannings): n=0.011  
 Resistant to Weathering: YES  
 Dilute Acid and Alkali Resistant: YES  
 SF Sealant Groove: YES

**Channels**

KS300 channel shall be 300mm nominal internal width with an overall width of 360mm. Channel invert shall have a V-profile to allow efficient

drainage. KS300 sloped channels shall have a built-in slope of 0.5%. All channels shall be interlocking with a male/female joint.

**Grates**

Insert specification for the selected grate. Refer to the relevant ACO Specification Information sheet, click: <http://www.acodrain.com.au/resources>

**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.

**ACO Polycrete Pty Ltd  
Australia**

Ph: 1300 765 226  
 www.acodrain.com.au  
 sales@acoaus.com.au

**ACO Limited  
New Zealand**

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

