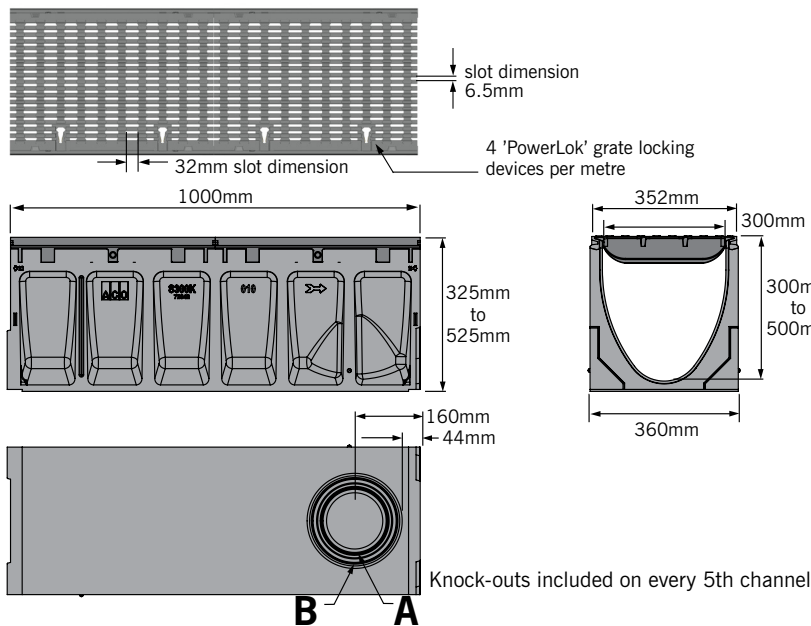
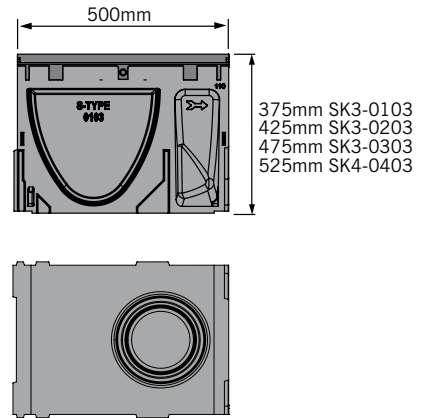


# PowerDrain - S300K Iron edge rail channel system with Heelsafe® grate

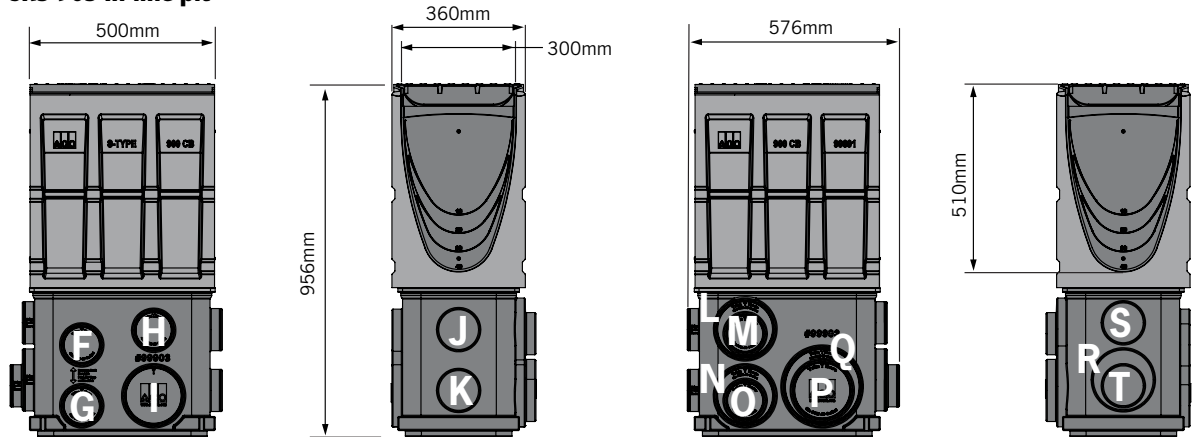
## One metre channel



## Half metre channel



## SK3-903 In-line pit



## Outlet flow rates

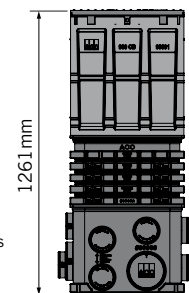
Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - SK3-00	150mm round	300	27.9
A	Bottom outlet - SK3-040	150mm round	500	36.0
B	Bottom outlet - SK3-00	200mm round	300	49.5
B	Bottom outlet - SK3-040	200mm round	500	64.0
C	End outlet - SK3-00	150mm round	300	19.7
C	End outlet - SK3-040	150mm round	500	30.1
D	End outlet - SK3-010	200mm round	350	35.0
D	End outlet - SK3-040	200mm round	500	49.5
E	End outlet - SK3-020	250mm round	400	54.7
E	End outlet - SK3-040	250mm round	500	70.7
F	SK3-903	100mm round	757	18.3
G	SK3-903	100mm round	922	20.5
H	SK3-903	100mm round	717	17.8
I	SK3-903	150mm round	922	44.7
J	SK3-903	100mm round	721	17.8
K	SK3-903	100mm round	886	20.0
L	SK3-903	150mm round	740	39.1
M	SK3-903	100mm round	726	17.9
N	SK3-903	150mm round	922	44.7
O	SK3-903	100mm round	907	20.3
P	SK3-903	150mm round	907	44.3
Q	SK3-903	200mm round	922	76.8
R	SK3-903	150mm round	883	43.6
S	SK3-903	100mm round	702	17.5
T	SK3-903	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.

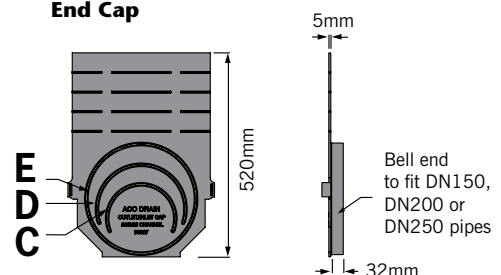
## SK3-903 In-line pit with riser

### 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



## PowerDrain - S300K Iron edge rail channel system with Heelsafe® grate



Description	Part No.	Invert <sup>2</sup> (mm)	Weight (kg)	Description	Part No.	Invert <sup>2</sup> (mm)	Weight (kg)
<b>SK3-00 Neutral channel - (1m)<sup>1</sup></b>	<b>150541</b>	<b>300</b>	<b>97.5</b>	SK3-28 Sloped channel - (1m)	150528	440	112.5
SK3-1 Sloped channel - (1m)	150501	305	97.5	SK3-29 Sloped channel - (1m)	150529	445	113.1
SK3-2 Sloped channel - (1m)	150502	310	98.0	SK3-30 Sloped channel - (1m) <sup>1</sup>	150530	450	113.7
SK3-3 Sloped channel - (1m)	150503	315	98.6	<b>SK3-030 Neutral channel - (1m)<sup>1</sup></b>	<b>150546</b>	<b>450</b>	<b>113.7</b>
SK3-4 Sloped channel - (1m)	150504	320	99.1	<b>SK3-0303 Neutral channel - (0.5m)<sup>1</sup></b>	<b>150549</b>	<b>450</b>	<b>61.0</b>
SK3-5 Sloped channel - (1m) <sup>1</sup>	150505	325	99.6	SK3-31 Sloped channel - (1m)	150531	455	114.2
SK3-6 Sloped channel - (1m)	150506	330	100.3	SK3-32 Sloped channel - (1m)	150532	460	114.8
SK3-7 Sloped channel - (1m)	150507	335	100.8	SK3-33 Sloped channel - (1m)	150533	465	115.3
SK3-8 Sloped channel - (1m)	150508	340	101.4	SK3-34 Sloped channel - (1m)	150534	470	115.9
SK3-9 Sloped channel - (1m)	150509	345	101.9	SK3-35 Sloped channel - (1m) <sup>1</sup>	150535	475	116.5
SK3-10 Sloped channel - (1m) <sup>1</sup>	150510	350	102.5	SK3-36 Sloped channel - (1m)	150536	480	117.0
<b>SK3-010 Neutral channel - (1m)<sup>1</sup></b>	<b>150542</b>	<b>350</b>	<b>102.5</b>	SK3-37 Sloped channel - (1m)	150537	485	117.6
<b>SK3-0103 Neutral channel - (0.5m)<sup>1</sup></b>	<b>150545</b>	<b>350</b>	<b>54.5</b>	SK3-38 Sloped channel - (1m)	150538	490	118.1
SK3-11 Sloped channel - (1m)	150511	355	103.0	SK3-39 Sloped channel - (1m)	150539	495	118.7
SK3-12 Sloped channel - (1m)	150512	360	103.6	SK3-40 Sloped channel - (1m) <sup>1</sup>	150540	500	119.2
SK3-13 Sloped channel - (1m)	150513	365	104.2	<b>SK3-040 Neutral channel - (1m)<sup>1</sup></b>	<b>150548</b>	<b>500</b>	<b>119.2</b>
SK3-14 Sloped channel - (1m)	150514	370	104.7	<b>SK3-0403 Neutral channel - (0.5m)<sup>1</sup></b>	<b>150550</b>	<b>500</b>	<b>64.7</b>
SK3-15 Sloped channel - (1m) <sup>1</sup>	150515	375	105.3	SK3-903 In-line pit (0.5m) <sup>3</sup>	141784	956 <sup>4</sup>	63.5
SK3-16 Sloped channel - (1m)	150516	380	105.8	Type 900 In-line plastic rubbish basket	98653	-	1.6
SK3-17 Sloped channel - (1m)	150517	385	106.4	Optional plastic riser	141729	300	4.5
SK3-18 Sloped channel - (1m)	150518	390	106.9	Plastic rubbish basket - long	98665	-	1.8
SK3-19 Sloped channel - (1m)	150519	395	107.5	Universal end cap	96827	520 <sup>4</sup>	1.1
SK3-20 Sloped channel - (1m) <sup>1</sup>	150520	400	108.1	Installation device	97479	-	2.2
<b>SK3-020 Neutral channel - (1m)<sup>1</sup></b>	<b>150544</b>	<b>400</b>	<b>108.1</b>	Grate removal tool	01318	-	0.1
<b>SK3-0203 Neutral channel - (0.5m)<sup>1</sup></b>	<b>150547</b>	<b>400</b>	<b>57.7</b>	PowerLok safety clip	10443	-	-
SK3-21 Sloped channel - (1m)	150521	405	108.6				
SK3-22 Sloped channel - (1m)	150522	410	109.2				
SK3-23 Sloped channel - (1m)	150523	415	109.8				
SK3-24 Sloped channel - (1m)	150524	420	110.3				
SK3-25 Sloped channel - (1m) <sup>1</sup>	150525	425	110.8				
SK3-26 Sloped channel - (1m)	150526	430	111.4				
SK3-27 Sloped channel - (1m)	150527	435	112.0				

**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 ductile iron edge rail, PowerLok grate & plastic base).
4. Overall depth of in-line pit and end cap.
5. Channel and grate assembly come complete.

**Specifications****General**

The surface drainage system shall be ACO's PowerDrain S300K polymer concrete V-profile channel system with ductile iron edge rails as manufactured by ACO.

**Materials**

S300K channel shall be manufactured from polyester resin polymer concrete with integrally cast-in ductile iron 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:  $2.02 \times 10^{-5}/^{\circ}\text{C}$   
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**

S300K channel shall be 300mm nominal internal width with an overall width of 360mm. Channel invert shall have a V-profile to allow efficient

drainage. S300K 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 PowerDrain S300K Iron Intercept Heelsafe® Anti-Slip 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](http://www.acodrain.com.au)  
[sales@acoaus.com.au](mailto:sales@acoaus.com.au)

**ACO Limited  
New Zealand**

Ph: 0800 448 080  
[www.acodrain.co.nz](http://www.acodrain.co.nz)  
[sales@aconz.co.nz](mailto:sales@aconz.co.nz)

**SPEC INFO**  
**ACO**