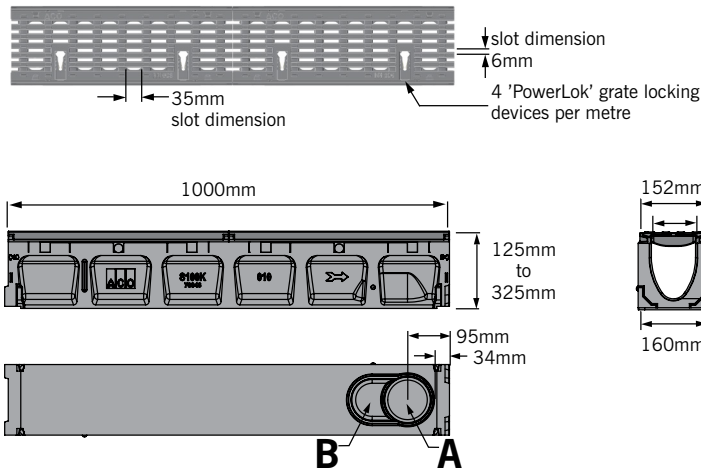


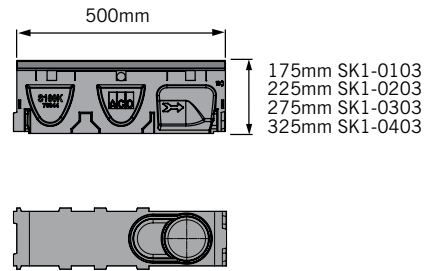


This grate is part of ACO's Heelsafe® Anti-Slip range. For more information visit www.heelsafe.com.au

One metre channel

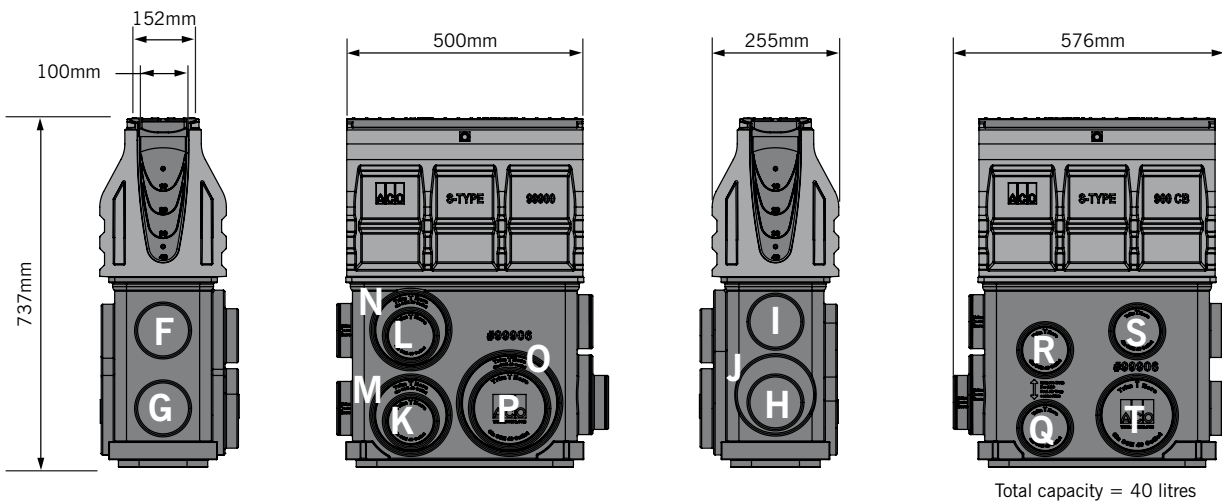


Half metre channel



Knock-outs included on every 5th channel

SK1-901 In-line pit

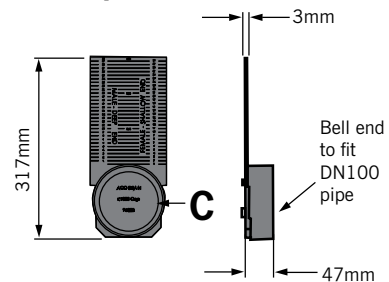


Outlet flow rates

Outlet	Product	Outlet size	Invert Depth (mm)	L/s
A	Bottom outlet - SK1-00	100mm round	100	7.2
A	Bottom outlet - SK1-040	100mm round	300	12.4
B	Bottom outlet - SK1-00	150mm oval	100	11.7
B	Bottom outlet - SK1-040	150mm oval	300	20.3
C	End outlet - SK1-020	100mm round	200	7.1
C	End outlet - SK1-040	100mm round	300	10.1
F	SK1-901	100mm round	505	14.4
G	SK1-901	100mm round	670	17.1
H	SK1-901	100mm round	657	16.9
I	SK1-901	100mm round	487	14.1
J	SK1-901	150mm round	668	36.6
K	SK1-901	100mm round	691	17.4
L	SK1-901	100mm round	511	14.5
M	SK1-901	150mm round	706	37.9
N	SK1-901	150mm round	525	31.1
O	SK1-901	200mm round	706	64.3
P	SK1-901	150mm round	691	37.4
Q	SK1-901	100mm round	706	17.6
R	SK1-901	100mm round	541	15.0
S	SK1-901	100mm round	501	14.3
T	SK1-901	150mm round	706	37.9

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.

End Cap





Description	Part No.	Invert ² (mm)	Weight (kg)	Description	Part No.	Invert ² (mm)	Weight (kg)
SK1-00 Neutral channel - (1m) ¹	150341	100	36.1	SK1-28 Sloped channel - (1m)	150328	240	48.3
SK1-1 Sloped channel - (1m)	150301	105	36.1	SK1-29 Sloped channel - (1m)	150329	245	48.7
SK1-2 Sloped channel - (1m)	150302	110	36.5	SK1-30 Sloped channel - (1m) ¹	150330	250	49.2
SK1-3 Sloped channel - (1m)	150303	115	37.0	SK1-030 Neutral channel - (1m)¹	150347	250	49.2
SK1-4 Sloped channel - (1m)	150304	120	37.4	SK1-0303 Neutral channel - (0.5m)¹	150348	250	24.5
SK1-5 Sloped channel - (1m) ¹	150305	125	37.9	SK1-31 Sloped channel - (1m)	150331	255	49.6
SK1-6 Sloped channel - (1m)	150306	130	38.3	SK1-32 Sloped channel - (1m)	150332	260	50.1
SK1-7 Sloped channel - (1m)	150307	135	38.8	SK1-33 Sloped channel - (1m)	150333	265	50.5
SK1-8 Sloped channel - (1m)	150308	140	39.2	SK1-34 Sloped channel - (1m)	150334	270	51.0
SK1-9 Sloped channel - (1m)	150309	145	39.7	SK1-35 Sloped channel - (1m) ¹	150335	275	51.4
SK1-10 Sloped channel - (1m) ¹	150310	150	40.1	SK1-36 Sloped channel - (1m)	150336	280	51.9
SK1-010 Neutral channel - (1m)¹	150343	150	40.1	SK1-37 Sloped channel - (1m)	150337	285	52.3
SK1-0103 Neutral channel - (0.5m)¹	150344	150	20.5	SK1-38 Sloped channel - (1m)	150338	290	52.8
SK1-11 Sloped channel - (1m)	150311	155	40.6	SK1-39 Sloped channel - (1m)	150339	295	53.2
SK1-12 Sloped channel - (1m)	150312	160	41.0	SK1-40 Sloped channel - (1m) ¹	150340	300	53.7
SK1-13 Sloped channel - (1m)	150313	165	41.5	SK1-040 Neutral channel - (1m)¹	150349	300	53.7
SK1-14 Sloped channel - (1m)	150314	170	41.9	SK1-0403 Neutral channel - (0.5m)¹	150350	300	26.6
SK1-15 Sloped channel - (1m) ¹	150315	175	42.4	SK1-901 In-line pit (0.5m) ³	141780	737 ⁴	46.1
SK1-16 Sloped channel - (1m)	150316	180	42.9	Type 900 In-line plastic rubbish basket	01498	-	0.5
SK1-17 Sloped channel - (1m)	150317	185	43.3	Universal end cap	96824	317 ⁴	0.2
SK1-18 Sloped channel - (1m)	150318	190	43.8	Debris strainer for 100mm knockout	93488	-	0.1
SK1-19 Sloped channel - (1m)	150319	195	44.2	Installation device	97477	-	1.3
SK1-20 Sloped channel - (1m) ¹	150320	200	44.7	Grate removal tool	01318	-	0.1
SK1-020 Neutral channel - (1m)¹	150345	200	44.7	PowerLok safety clip	10443	-	-
SK1-0203 Neutral channel - (0.5m)¹	150346	200	22.5				
SK1-21 Sloped channel - (1m)	150321	205	45.1				
SK1-22 Sloped channel - (1m)	150322	210	45.6				
SK1-23 Sloped channel - (1m)	150323	215	46.0				
SK1-24 Sloped channel - (1m)	150324	220	46.4				
SK1-25 Sloped channel - (1m) ¹	150325	225	46.9				
SK1-26 Sloped channel - (1m)	150326	230	47.3				
SK1-27 Sloped channel - (1m)	150327	235	47.8				

Notes:

1. This channel offers bottom knockout feature; 100mm round & 150mm oval.
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		Flexural Strength:	26 MPa	drainage. S100K sloped channels shall have a built-in slope of 0.5%. All channels shall be interlocking with a male/female joint.
General The surface drainage system shall be ACO's PowerDrain S100K polymer concrete V-profile channel system with ductile iron edge rails as manufactured by ACO.		Tensile Strength:	14 MPa	Grates Insert specification for the PowerDrain S100K Iron Intercept Heelsafe® Anti-Slip grate. Refer to the relevant ACO Specification Information sheet, click: http://www.acodrain.com.au/resources
		Water Absorption:	0.07%	
		Frost Proof:	YES	
		Coefficient of Expansion/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	
Materials S100K 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:		Channels		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.
	Compressive Strength:	98 MPa	S100K channel shall be 100mm nominal internal width with an overall width of 160mm. Channel invert shall have a V-profile to allow efficient	

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