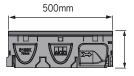
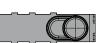
PowerDrain - S100K Iron edge rail channel system

One metre channel



Half metre channel



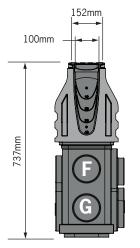


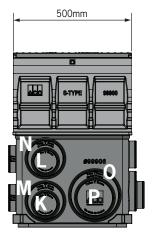


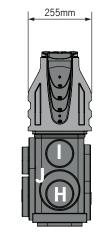


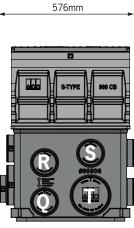
Knock-outs included on every 5th channel

SK1-901 In-line pit







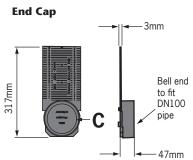


Total capacity = 40 litres

Outlet flow rates

Outlet	Product	Outlet size	Invert Depth	L/s
			(mm)	
Α	Bottom outlet - SK1-00	100mm round	100	7.2
A	Bottom outlet - SK1-040	100mm round	300	12.4
В	Bottom outlet - SK1-00	150mm oval	100	11.7
В	Bottom outlet - SK1-040	150mm oval	300	20.3
С	End outlet - SK1-020	100mm round	200	7.1
С	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
н	SK1-901	100mm round	657	16.9
1	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
М	SK1-901	150mm round	706	37.9
N	SK1-901	150mm round	525	31.1
0	SK1-901	200mm round	706	64.3
Р	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
Т	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.





ACO DRAIN®

PowerDrain - S100K Iron edge rail channel system



Weiaht

(kg)

34.7 35.1

35.6

35.6

17.7

36.0

36.5

36.9

37.4

37.8

38.3

38.7

39.2

39.6

40.1

40.1

19.8

39.3

0.5

0.2

0.1

1.3

0.1

Invert²

(**mm**)

240

245

250

250

250

255

260

265

270

275

280

285

290

295

300

300

300

7374

3174

-

	Part No.	Invert ² (mm)	Weight (kg)	Description		Part No.
SK1-00 Neutral channel - (1m) ¹	67041	100	22.5	SK1-28 Sloped channel - (1)	m)	67028
SK1-1 Sloped channel - (1m)	67001	105	22.5	SK1-29 Sloped channel - (1	m)	67029
SK1-2 Sloped channel - (1m)	67002	110	22.9	SK1-30 Sloped channel - (1	m)1	67030
SK1-3 Sloped channel - (1m)	67003	115	23.4	SK1-030 Neutral channe	el - (1m)1	67047
SK1-4 Sloped channel - (1m)	67004	120	23.8	SK1-0303 Neutral chann	nel - (0.5m)1	67048
SK1-5 Sloped channel - (1m) ¹	67005	125	24.3	SK1-31 Sloped channel - (1	m)	67031
SK1-6 Sloped channel - (1m)	67006	130	24.7	SK1-32 Sloped channel - (1		67032
SK1-7 Sloped channel - (1m)	67007	135	25.2	SK1-33 Sloped channel - (1	m)	67033
SK1-8 Sloped channel - (1m)	67008	140	25.6	SK1-34 Sloped channel - (1		67034
SK1-9 Sloped channel - (1m)	67009	145	26.1	SK1-35 Sloped channel - (1		67035
SK1-10 Sloped channel - (1m) ¹	67010	150	26.5	SK1-36 Sloped channel - (1		67036
SK1-010 Neutral channel - (1m) ¹	67043	150	26.5	SK1-37 Sloped channel - (1		67037
SK1-0103 Neutral channel - (0.5m) ¹	67044	150	13.7	SK1-38 Sloped channel - (1		67038
SK1-11 Sloped channel - (1m)	67011	155	27.0	SK1-39 Sloped channel - (1		67039
SK1-12 Sloped channel - (1m)	67012	160	27.4	SK1-40 Sloped channel - (1		67040
SK1-13 Sloped channel - (1m)	67013	165	27.9	SK1-040 Neutral channe		67049
SK1-14 Sloped channel - (1m)	67014	170	28.3	SK1-0403 Neutral chann	1el - (0.5m)1	67050
SK1-15 Sloped channel - (1m) ¹	67015	175	28.8	SK1-901 In-line pit (0.5m) ³		142547
SK1-16 Sloped channel - (1m)	67016	180	29.3	Type 900 In-line plastic rubb	bish basket	01498
SK1-17 Sloped channel - (1m)	67017	185	29.7	Universal end cap		96824
SK1-18 Sloped channel - (1m)	67018	190	30.2	Debris strainer for 100mm	knockout	93488
SK1-19 Sloped channel - (1m)	67019	195	30.6	Installation device		97477
SK1-20 Sloped channel - (1m) ¹	67020	200	31.1	Grate removal tool		01318
SK1-020 Neutral channel - (1m) ¹	67045	200	31.1	PowerLok safety clip		10443
SK1-0203 Neutral channel - (0.5m) ¹	67046	200	15.7			
SK1-21 Sloped channel - (1m)	67021	205	31.5			
SK1-22 Sloped channel - (1m)	67022	210	32.0			
SK1-23 Sloped channel - (1m)	67023	215	32.4			
	67004	000	200			
SK1-24 Sloped channel - (1m)	67024	220	32.8			
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) ¹	67025	225	33.3			
K1-24 Sloped channel - (1m) K1-25 Sloped channel - (1m) K1-26 Sloped channel - (1m)	67025 67026	225 230	33.3 33.7			
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m)	67025	225	33.3			
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Intes: This channel offers bottom knockout featu. Inverts shown are male end, for female inv To calculate overall channel depth add 25 Inline pit assembly (polymer concrete top . Overall depth of in-line pit and end cap.	67025 67026 67027 rre; 100mm r vert depths - s mm to invert o	225 230 235 ound & 150m ubtract 5mm depth.	33.3 33.7 34.2 m oval. from male inve		ere it will be the	same as the i
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Discrete This channel offers bottom knockout featul Inverts shown are male end, for female in, To calculate overall channel depth add 25 In-line pit assembly (polymer concrete top	67025 67026 67027 re; 100mm m vert depths - s mm to invert o with ductile in	225 230 235 ound & 150m ubtract 5mm depth.	33.3 33.7 34.2 m oval. from male inve	e).	Properties of po	
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Otes: This channel offers bottom knockout featu Inverts shown are male end, for female inv To calculate overall channel depth add 25 In-line pit assembly (polymer concrete top Overall depth of in-line pit and end cap. Specifications The surface drainage system shall be PowerDrain S100K polymer concrete	67025 67026 67027 ert; 100mm m vert depths - s mm to invert 4 with ductile in ACO's V-profile	225 230 235 ound & 150m ubtract 5mm depth. on edge rail a Grates Insert spec.	33.3 33.7 34.2 m oval. from male inve nd plastic base	e). F e selected grate. Refer to v		olymer concre
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) ¹ SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Inverts shown are male end, for female in To calculate overall channel depth add 25i In-line pit assembly (polymer concrete top . Overall depth of in-line pit and end cap. Specifications The surface drainage system shall be	67025 67026 67027 ert; 100mm m vert depths - s mm to invert 4 with ductile in ACO's V-profile	225 230 235 ound & 150m ubtract 5mm depth. on edge rail a Grates Insert spect the relevant	33.3 33.7 34.2 m oval. from male invi nd plastic base ification for th t ACO Specific	e). F e selected grate. Refer to v cation Information sheet, com.au/resources C	Properties of po with supporting Compressive St	olymer concre documentati trength:
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Inverts shown are male end, for female inv To calculate overall channel depth add 25 In-line pit assembly (polymer concrete top Overall depth of in-line pit and end cap. Specifications The surface drainage system shall be PowerDrain S100K polymer concrete channel system with ductile iron edge manufactured by ACO. Channels S100K channel shall be 100mm nom internal width with an overall width of 16	67025 67026 67027 ert depths - s mm to invert with ductile in ACO's V-profile rails as inal 50mm.	225 230 235 ound & 150m ubtract 5mm depth. on edge rail a nedge rail a <i>Grates</i> <i>Insert spect</i> <i>the relevant</i> <i>at: http://w</i> Installatior The comple and to be in	33.3 33.7 34.2 m oval. from male inve nd plastic base ification for th t ACO Specific www.acodrain.e te drainage s installed for its	e). e selected grate. Refer to v ration Information sheet, com.au/resources C F system shall be by ACO V s intended purpose. Any F	Properties of po with supporting Compressive SI Flexural Strength Ensile Strength Vater Absorptic Frost Proof:	blymer concr documentati trength: h: t: n:
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Iotes: This channel offers bottom knockout featu. Inverts shown are male end, for female im To calculate overall channel depth add 25i Inline pit assembly (polymer concrete top Overall depth of inline pit and end cap. Specifications The surface drainage system shall be PowerDrain S100K polymer concrete channel system with ductile iron edge manufactured by ACO. Channels S100K channel shall be 100mm nom internal width with an overall width of 16 Channel invert shall have a V-profile t allow efficient drainage and channel shall have deep pockets and vertical	67025 67026 67027 re; 100mm m vert depths - s mm to invert o with ductile in with ductile in ACO's V-profile rails as inal 50mm. o walls ribs	225 230 235 ound & 150m ubtract 5mm depth. on edge rail a medge rail a <i>Grates</i> <i>Insert spect</i> <i>the relevant</i> <i>at: http://w</i> Installatior The comple and to be in deviation o and/or imp	33.3 33.7 34.2 m oval. from male invi nd plastic base ification for th t ACO Specific www.acodrain t ete drainage s istalled for its r partial use c	e). e selected grate. Refer to v cation Information sheet, com.au/resources C system shall be by ACO V is intended purpose. Any F of the specified system C tition will void all ACO. V	Properties of po with supporting Compressive St Flexural Strengt Vater Absorptic Frost Proof: Coefficient of E: and Contractic Nater Vapour Ti	olymer concre documentati trength: h: :: pn: xpansion n: ransmission:
SK1-24 Sloped channel - (1m) SK1-25 Sloped channel - (1m) SK1-26 Sloped channel - (1m) SK1-27 Sloped channel - (1m) SK1-27 Sloped channel - (1m) Iotes: . This channel offers bottom knockout featu ! Inverts shown are male end, for female im To calculate overall channel depth add 256 8. In-line pit assembly (polymer concrete top 9. Overall depth of in-line pit and end cap. Specifications The surface drainage system shall be PowerDrain S100K polymer concrete channel system with ductile iron edge manufactured by ACO. Channels S100K channel shall be 100mm nom internal width with an overall width of 16 Channel invert shall have a V-profile t allow efficient drainage and channel of the statement of th	67025 67026 67027 wre; 100mm m vert depths - s mm to invert « with ductile in ACO's V-profile rails as inal 50mm. o walls ribs d 50.5%.	225 230 235 ound & 150m ubtract 5mm depth. on edge rail a nedge rail a <i>Grates</i> Insert spect the relevant at: http://w Installation The comple and to be in deviation o and/or imp warranties Materials	33.3 33.7 34.2 m oval. from male inve nd plastic base ification for th t ACO Specific www.acodrain.e nstalled for its r partial use c proper installa provided by A	e). e selected grate. Refer to wation Information sheet, com.au/resources C system shall be by ACO V s intended purpose. Any F of the specified system C tion will void all ACO. N	Properties of po with supporting Compressive St Flexural Strengt Vater Absorptic Frost Proof: Coefficient of E: and Contractic	olymer concre documentati trength: h: t: tr h: tr h: tr ansmission c r ansmission: t nnings):

Notes:

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.

Specifications

Channels

Grates

Installation

Materials

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: Water Vapour Transmission: Non Flammable: Roughness (Mannings): Resistant to Weathering: Dilute Acid and Alkali Resistant: SF Sealant Groove:	2.02x10 ⁵ /°C 0.0364g/m ² YES n=0.011 YES YES YES

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