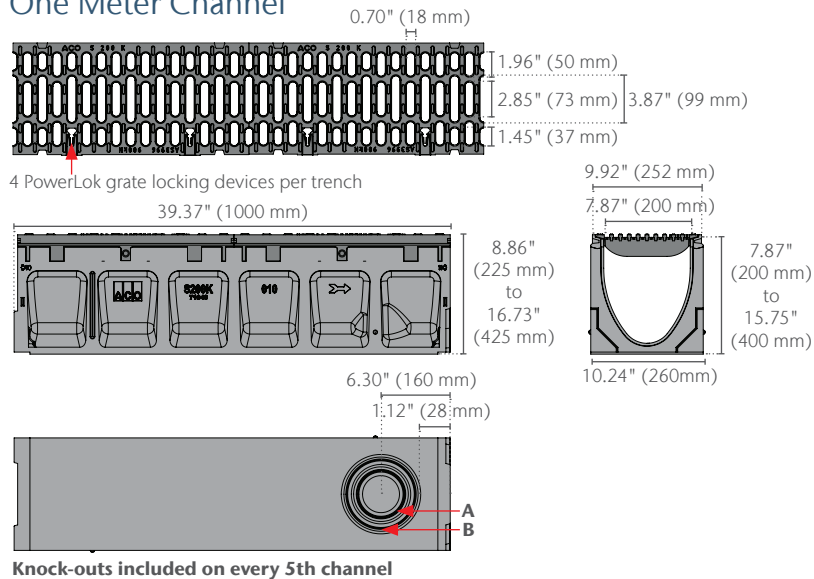


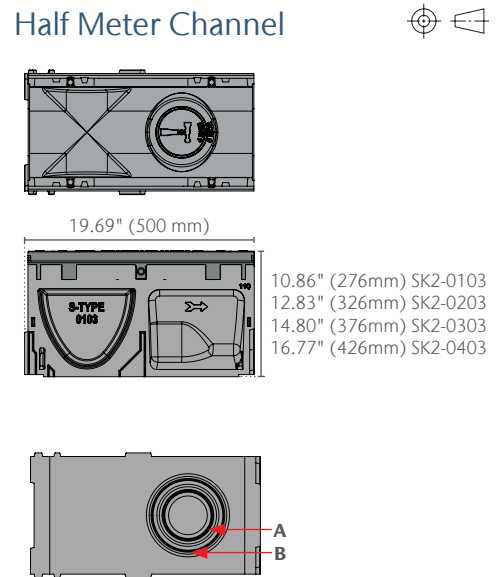
S200K Iron Edged Channel System w/ Slotted Grate Spec Sheet



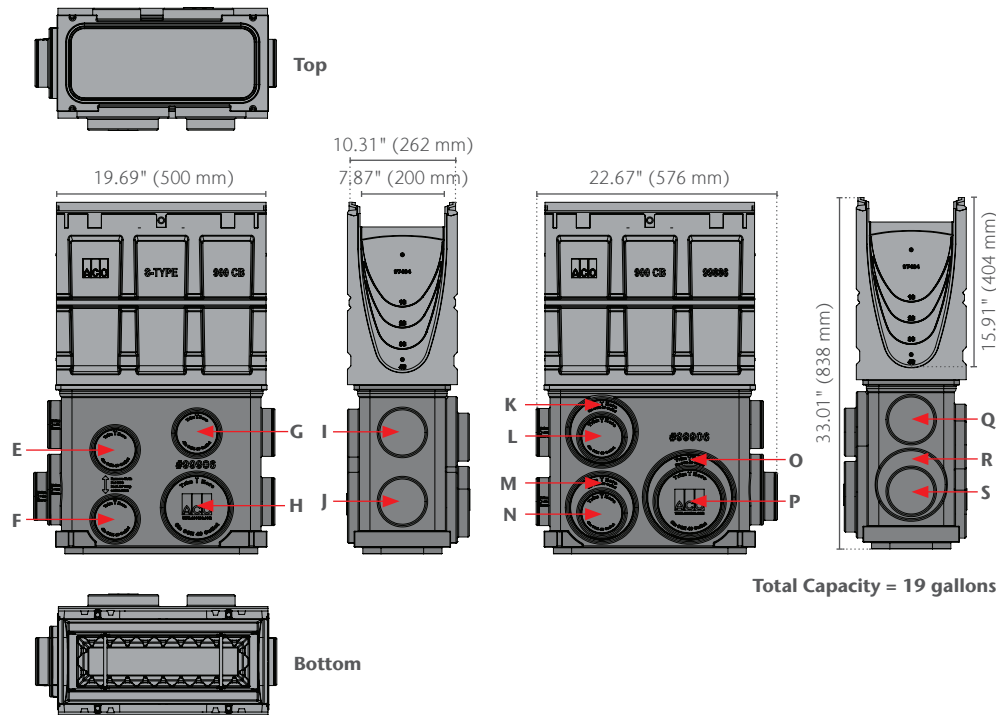
One Meter Channel



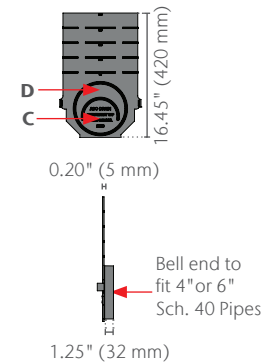
Half Meter Channel



Type 902D Inline Catch Basin



End Caps



S200K Iron Edged Channel System w/ Slotted Grate Spec Sheet



Description	Part No.	Invert in ² (mm ²)	Weight lbs.
SK2-00 Neutral channel - 39.37" (1m)¹	71041	7.87 (200)	141.2
SK2-1 Sloped channel - 39.37" (1m)	71001	8.07 (205)	141.2
SK2-2 Sloped channel - 39.37" (1m)	71002	8.26 (210)	142.3
SK2-3 Sloped channel - 39.37" (1m)	71003	8.46 (215)	143.4
SK2-4 Sloped channel - 39.37" (1m)	71004	8.66 (220)	144.5
SK2-5 Sloped channel - 39.37" (1m) ¹	71005	8.85 (225)	145.6
SK2-6 Sloped channel - 39.37" (1m)	71006	9.05 (230)	146.7
SK2-7 Sloped channel - 39.37" (1m)	71007	9.25 (235)	147.8
SK2-8 Sloped channel - 39.37" (1m)	71008	9.44 (240)	148.9
SK2-9 Sloped channel - 39.37" (1m)	71009	9.64 (245)	150.0
SK2-10 Sloped channel - 39.37" (1m) ¹	71010	9.84 (250)	151.1
SK2-010 Neutral channel - 39.37" (1m)¹	71043	9.84 (250)	151.2
SK2-0103 Neutral channel - 19.69" (0.5m)¹	71044	9.84 (250)	89.2
SK2-11 Sloped channel - 39.37" (1m)	71011	10.03 (255)	152.2
SK2-12 Sloped channel - 39.37" (1m)	71012	10.23 (260)	153.3
SK2-13 Sloped channel - 39.37" (1m)	71013	10.43 (265)	154.4
SK2-14 Sloped channel - 39.37" (1m)	71014	10.62 (270)	155.6
SK2-15 Sloped channel - 39.37" (1m) ¹	71015	10.82 (275)	156.7
SK2-16 Sloped channel - 39.37" (1m)	71016	11.02 (280)	157.8
SK2-17 Sloped channel - 39.37" (1m)	71017	11.22 (285)	158.9
SK2-18 Sloped channel - 39.37" (1m)	71018	11.41 (290)	160.0
SK2-19 Sloped channel - 39.37" (1m)	71019	11.61 (295)	161.1
SK2-20 Sloped channel - 39.37" (1m) ¹	71020	11.81 (300)	162.2
SK2-020 Neutral channel - 39.37" (1m)¹	71045	11.81 (300)	162.2
SK2-0203 Neutral channel - 19.69" (0.5m)¹	71046	11.81 (300)	96.8
SK2-21 Sloped channel - 39.37" (1m)	71021	12 (305)	163.3
SK2-22 Sloped channel - 39.37" (1m)	71022	12.2 (310)	164.4
SK2-23 Sloped channel - 39.37" (1m)	71023	12.4 (315)	165.5
SK2-24 Sloped channel - 39.37" (1m)	71024	12.59 (320)	166.6
SK2-25 Sloped channel - 39.37" (1m) ¹	71025	12.79 (325)	167.7
SK2-26 Sloped channel - 39.37" (1m)	71026	12.99 (330)	168.8
SK2-27 Sloped channel - 39.37" (1m)	71027	13.18 (335)	169.9
SK2-28 Sloped channel - 39.37" (1m)	71028	13.38 (340)	171.0
SK2-29 Sloped channel - 39.37" (1m)	71029	13.58 (345)	172.1
SK2-30 Sloped channel - 39.37" (1m) ¹	71030	13.77 (350)	173.2
SK2-030 Neutral channel - 39.37" (1m)¹	71047	13.77 (350)	173.2
SK2-0303 Neutral channel - 19.69" (0.5m)¹	71048	13.77 (350)	101.3
SK2-31 Sloped channel - 39.37" (1m)	71031	13.97 (355)	174.4
SK2-32 Sloped channel - 39.37" (1m)	71032	14.17 (360)	175.5
SK2-33 Sloped channel - 39.37" (1m)	71033	14.37 (365)	176.6
SK2-34 Sloped channel - 39.37" (1m)	71034	14.56 (370)	177.7
SK2-35 Sloped channel - 39.37" (1m) ¹	71035	14.76 (375)	178.8
SK2-36 Sloped channel - 39.37" (1m)	71036	14.96 (380)	179.9
SK2-37 Sloped channel - 39.37" (1m)	71037	15.15 (385)	181.0
SK2-38 Sloped channel - 39.37" (1m)	71038	15.35 (390)	182.1
SK2-39 Sloped channel - 39.37" (1m)	71039	15.55 (395)	183.2
SK2-40 Sloped channel - 39.37" (1m) ¹	71040	15.74 (400)	184.3
SK2-040 Neutral channel - 39.37" (1m)¹	71049	15.74 (400)	184.3
SK2-0403 Neutral channel - 19.69" (0.5m)¹	71050	15.74 (400)	110.1
SK2-902D In-line catch basin - 19.69" (0.5m) ³	94619	37.36 (949)	109.8
SK2-621D In-line catch basin - 19.69" (0.5m) ⁴	94575	37.40 (950)	144.0
SK2-631D catch basin - 19.69" (0.5m) ⁴	94579	49.33 (1253)	154.0

Description	Part No.	Invert in ² (mm ²)	Weight lbs.
Series 600 Optional plastic riser	99902	-	10.0
Foul air trap - fits both 910 & 610 basins	90854	-	1.2
8" channel Universal end cap	96823	19.69 (500)	1.4
Debris strainer for 4" bottom knockout	93488	-	0.2
8" channel Installation device	97478	-	4.0
Grate removal tool	01318	-	0.3

1. This channel offers bottom knockout feature: 6" & 8" round.
2. Inverts shown are male end; for female invert depth subtract 5mm (=0.2") from male invert (except neutral channels where it will be same as male invert). To calculate overall channel depth, add 25.4mm (1.0") to invert depth.
3. Catch basin assembly includes polymer concrete top, PowerLok grate, trash bucket and plastic base.
4. Catch basin assembly includes polymer concrete top, PowerLok grate, deep trash bucket, plastic riser and plastic base.
5. Water intake per meter channel is 140.2 in² (904.51 cm²)

Outlet Flow Rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth in (mm)	GPM	CFS
A	Bottom outlet - SK2-00	4" round	7.87 (200)	153	0.34
A	Bottom outlet - SK2-040	4" round	15.75 (400)	216	0.48
B	Bottom outlet -SK2-00	6" round	7.87 (200)	344	0.77
B	Bottom outlet - SK2-040	6" round	15.75 (400)	486	1.08
C	End outlet - SK2-00	4" round	7.87 (200)	132	0.29
C	End outlet - SK2-40	4" round	15.75 (200)	202	0.45
D	End outlet - SK2-10	6" round	9.84 (250)	320	0.71
D	End outlet - SK2-40	6" round	15.75 (400)	437	0.97
E	Type SK2-902D	4" round	25.33 (643)	263	0.59
F	Type SK2-902D	4" round	31.83 (808)	297	0.66
G	Type SK2-902D	4" round	23.76 (604)	254	0.57
H	Type SK2-902D	6" round	31.83 (808)	658	1.47
I	Type SK2-902D	4" round	23.91 (607)	255	0.57
J	Type SK2-902D	4" round	30.40 (772)	290	0.65
K	Type SK2-902D	6" round	24.68 (627)	570	1.27
L	Type SK2-902D	4" round	24.13 (613)	256	0.57
M	Type SK2-902D	6" round	31.82 (808)	658	1.47
N	Type SK2-902D	4" round	31.26 (794)	294	0.66
O	Type SK2-902D	8" round	31.82 (808)	1149	2.56
P	Type SK2-902D	6" round	31.26 (794)	651	1.45
Q	Type SK2-902D	4" round	23.19 (589)	251	0.56
R	Type SK2-902D	6" round	30.23 (768)	640	1.43
S	Type SK2-902D	4" round	29.90 (759)	288	0.64

These are the pipe flow rates at the specified outlet, NOT channel flow rates. Catch basin flow rates are without trash bucket - using trash bucket reduces flow.



S200K Iron Edged Channel System w/ Slotted Grate Spec Sheet



Specification Summary

General

The surface drainage system shall be ACO Drain PowerDrain S200K complete with slotted gratings secured with PowerLok locking as manufactured by ACO, Inc. or equal approved.

Grates

Grates come in longitudinal ductile iron. Ductile iron to ASTM 536-84 - Grade 65-45-12. After removal of grates there shall be uninterrupted access to the trench to aid maintenance.

Installation

The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

Materials

The trench system bodies shall be manufactured from polymer concrete with minimum properties as follows:

- Compressive strength: 14,000 psi
- Flexural strength: 4,000 psi
- Water absorption 0.07%
- Frost-proof
- Salt-proof
- Dilute acid and alkali-resistant

The nominal clear opening shall be 8" (200 mm) with overall width of 10.24" (260 mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.67" (16 mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The ductile iron edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 1/4" (6 mm) thick



Australian Standard AS 3996 - 2006 Clause 3.3.6:
max slot length dependent on slot width for grates that are deemed Bicycle Tire Penetration Resistant.

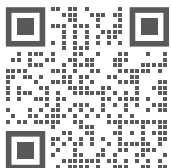


EN1433 Load Class F
202,328 lbs – 4,177 psi

ACO, Inc.

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