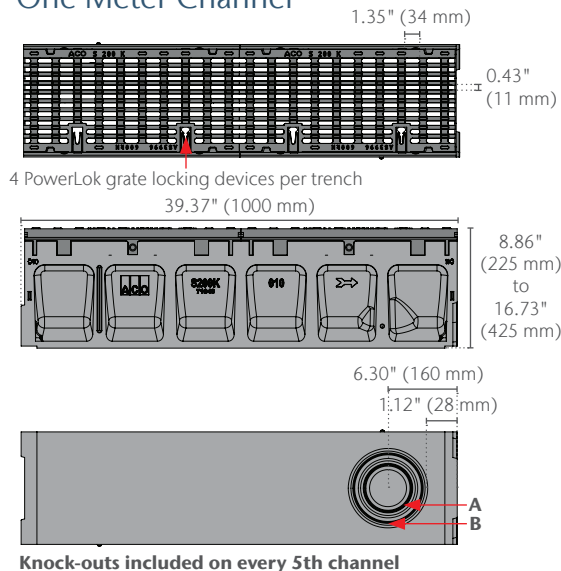


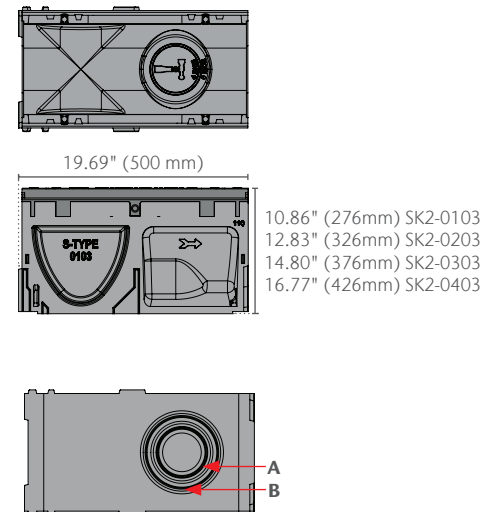
S200K Iron Edged Channel System w/ Longitudinal Grate (ADA) Spec Sheet



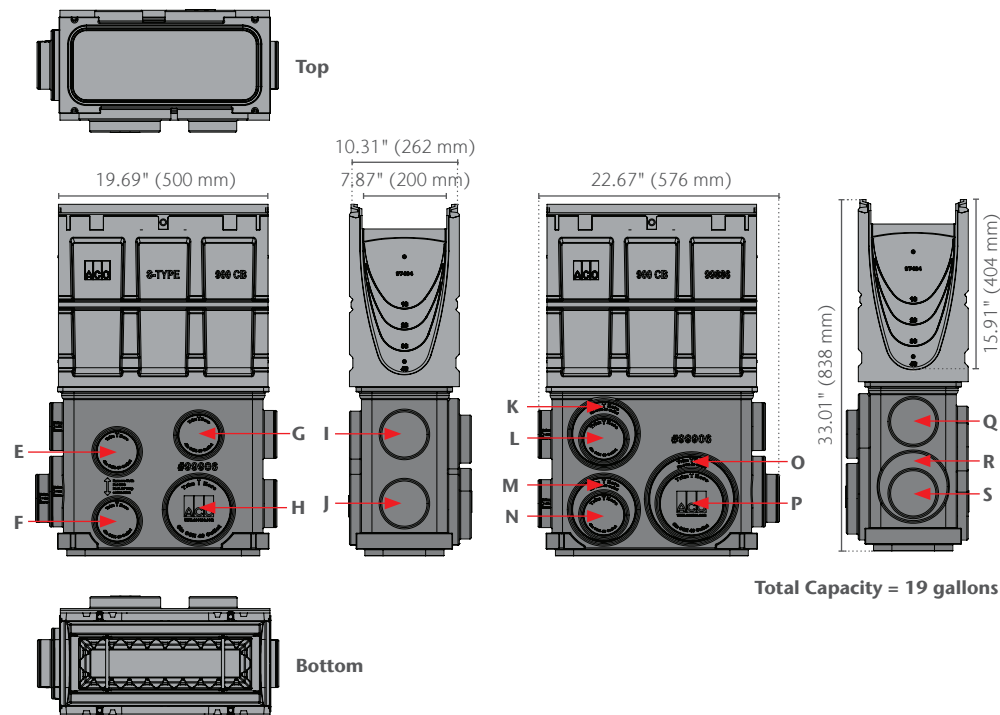
One Meter Channel



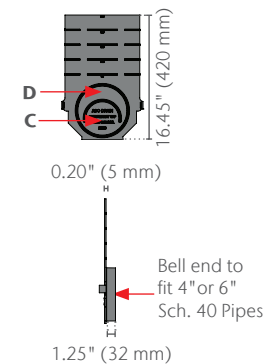
Half Meter Channel



Type 902D Inline Catch Basin



End Caps



S200K Iron Edged Channel System w/ Longitudinal Grate (ADA) Spec Sheet



Description	Part No.	Invert in (mm)	Weight lbs.
SK2-00 Neutral channel - 39.37" (1m)¹	71141	7.87 (200)	133.7
SK2-1 Sloped channel - 39.37" (1m)	71101	8.07 (205)	133.7
SK2-2 Sloped channel - 39.37" (1m)	71102	8.26 (210)	134.8
SK2-3 Sloped channel - 39.37" (1m)	71103	8.46 (215)	135.9
SK2-4 Sloped channel - 39.37" (1m)	71104	8.66 (220)	137.0
SK2-5 Sloped channel - 39.37" (1m) ¹	71105	8.85 (225)	138.1
SK2-6 Sloped channel - 39.37" (1m)	71106	9.05 (230)	139.2
SK2-7 Sloped channel - 39.37" (1m)	71107	9.25 (235)	140.3
SK2-8 Sloped channel - 39.37" (1m)	71108	9.44 (240)	141.4
SK2-9 Sloped channel - 39.37" (1m)	71109	9.64 (245)	142.5
SK2-10 Sloped channel - 39.37" (1m) ¹	71110	9.84 (250)	143.6
SK2-010 Neutral channel - 39.37" (1m)¹	71143	9.84 (250)	143.7
SK2-0103 Neutral channel - 19.69" (0.5m)¹	71144	9.84 (250)	85.5
SK2-11 Sloped channel - 39.37" (1m)	71111	10.03 (255)	144.7
SK2-12 Sloped channel - 39.37" (1m)	71112	10.23 (260)	145.8
SK2-13 Sloped channel - 39.37" (1m)	71113	10.43 (265)	146.9
SK2-14 Sloped channel - 39.37" (1m)	71114	10.62 (270)	148.1
SK2-15 Sloped channel - 39.37" (1m) ¹	71115	10.82 (275)	149.2
SK2-16 Sloped channel - 39.37" (1m)	71116	11.02 (280)	150.3
SK2-17 Sloped channel - 39.37" (1m)	71117	11.22 (285)	151.4
SK2-18 Sloped channel - 39.37" (1m)	71118	11.41 (290)	152.5
SK2-19 Sloped channel - 39.37" (1m)	71119	11.61 (295)	153.6
SK2-20 Sloped channel - 39.37" (1m) ¹	71120	11.81 (300)	154.7
SK2-020 Neutral channel - 39.37" (1m)¹	71145	11.81 (300)	154.7
SK2-0203 Neutral channel - 19.69" (0.5m)¹	71146	11.81 (300)	93.1
SK2-21 Sloped channel - 39.37" (1m)	71121	12 (305)	155.8
SK2-22 Sloped channel - 39.37" (1m)	71122	12.2 (310)	156.9
SK2-23 Sloped channel - 39.37" (1m)	71123	12.4 (315)	158.0
SK2-24 Sloped channel - 39.37" (1m)	71124	12.59 (320)	159.1
SK2-25 Sloped channel - 39.37" (1m) ¹	71125	12.79 (325)	160.2
SK2-26 Sloped channel - 39.37" (1m)	71126	12.99 (330)	161.3
SK2-27 Sloped channel - 39.37" (1m)	71127	13.18 (335)	162.4
SK2-28 Sloped channel - 39.37" (1m)	71128	13.38 (340)	163.5
SK2-29 Sloped channel - 39.37" (1m)	71129	13.58 (345)	164.6
SK2-30 Sloped channel - 39.37" (1m) ¹	71130	13.77 (350)	165.7
SK2-030 Neutral channel - 39.37" (1m)¹	71147	13.77 (350)	165.7
SK2-0303 Neutral channel - 19.69" (0.5m)¹	71148	13.77 (350)	97.6
SK2-31 Sloped channel - 39.37" (1m)	71131	13.97 (355)	166.9
SK2-32 Sloped channel - 39.37" (1m)	71132	14.17 (360)	168.0
SK2-33 Sloped channel - 39.37" (1m)	71133	14.37 (365)	169.1
SK2-34 Sloped channel - 39.37" (1m)	71134	14.56 (370)	170.2
SK2-35 Sloped channel - 39.37" (1m) ¹	71135	14.76 (375)	171.3
SK2-36 Sloped channel - 39.37" (1m)	71136	14.96 (380)	172.4
SK2-37 Sloped channel - 39.37" (1m)	71137	15.15 (385)	173.5
SK2-38 Sloped channel - 39.37" (1m)	71138	15.35 (390)	174.6
SK2-39 Sloped channel - 39.37" (1m)	71139	15.55 (395)	175.7
SK2-40 Sloped channel - 39.37" (1m) ¹	71140	15.74 (400)	176.8
SK2-040 Neutral channel - 39.37" (1m)¹	71149	15.74 (400)	176.8
SK2-0403 Neutral channel - 19.69" (0.5m)¹	71150	15.74 (400)	106.4
SK2-902D In-line Catch Basin - 19.69" (0.5m) ³	94619	37.36 (949)	106.1
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 (mm)	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 25.4 mm (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/ Longitudinal Grate (ADA) Spec Sheet



Specification Summary

General

The surface drainage system shall be ACO Drain PowerDrain S200K complete with longitudinal ADA compliant 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



ADA-compliant per The Americans with Disabilities Act of 2010, Section 302.3



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.

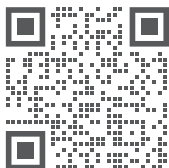


EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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