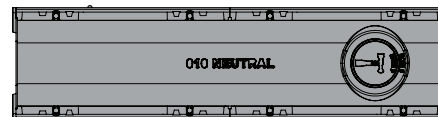


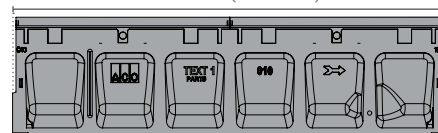
S200K Iron Edged Channels



One Meter Channel



39.37" (1000 mm)



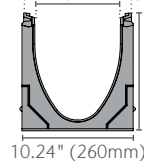
8.86" (225 mm)
to
16.73" (425 mm)

6.30" (160 mm)
2.69" (68 mm)



Knock-outs included on every 5th channel

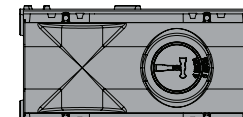
9.92" (252 mm)
7.87" (200 mm)



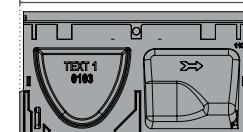
7.87" (200 mm)
to
15.75" (400 mm)

10.24" (260 mm)

Half Meter Channel



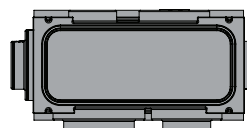
19.69" (500 mm)



10.83" (275 mm)
12.83" (326 mm)
14.80" (376 mm)
16.77" (426 mm)



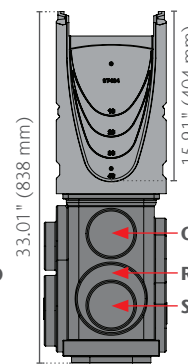
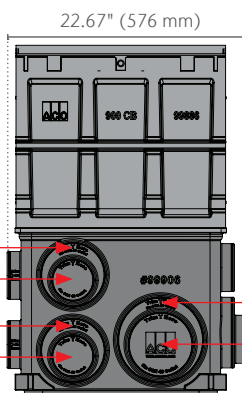
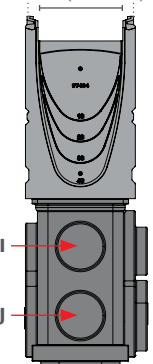
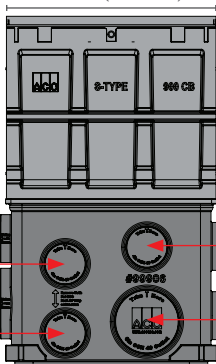
Type 902D Inline Catch Basin



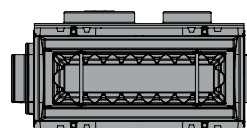
Top

19.69" (500 mm)

10.31" (262 mm)
7.87" (200 mm)

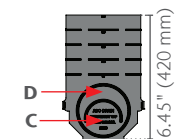


Total Capacity = 19 gallons

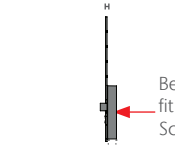


Bottom

End Caps



0.20" (5 mm)



1.25" (32 mm)

Bell end to
fit 4" or 6"
Sch. 40 Pipes

S200K Iron Edged Channels



Description	Part No.	Invert in ² (mm ²)	Weight lbs.
SK2-00 Constant depth channel - 39.37" (1m)¹	68041	7.87 (200)	85.2
SK2-1 Sloped channel - 39.37" (1m)	68001	8.07 (205)	85.2
SK2-2 Sloped channel - 39.37" (1m)	68002	8.26 (210)	86.3
SK2-3 Sloped channel - 39.37" (1m)	68003	8.46 (215)	87.4
SK2-4 Sloped channel - 39.37" (1m)	68004	8.66 (220)	88.5
SK2-5 Sloped channel - 39.37" (1m) ¹	68005	8.85 (225)	89.6
SK2-6 Sloped channel - 39.37" (1m)	68006	9.05 (230)	90.7
SK2-7 Sloped channel - 39.37" (1m)	68007	9.25 (235)	91.8
SK2-8 Sloped channel - 39.37" (1m)	68008	9.44 (240)	92.9
SK2-9 Sloped channel - 39.37" (1m)	68009	9.64 (245)	94.0
SK2-10 Sloped channel - 39.37" (1m) ¹	68010	9.84 (250)	95.1
SK2-010 Constant depth channel - 39.37" (1m)¹	68043	9.84 (250)	95.2
SK2-0103 Constant depth channel - 19.69" (0.5m)¹	68044	9.84 (250)	61.2
SK2-11 Sloped channel - 39.37" (1m)	68011	10.03 (255)	96.2
SK2-12 Sloped channel - 39.37" (1m)	68012	10.23 (260)	97.3
SK2-13 Sloped channel - 39.37" (1m)	68013	10.43 (265)	98.4
SK2-14 Sloped channel - 39.37" (1m)	68014	10.62 (270)	99.6
SK2-15 Sloped channel - 39.37" (1m) ¹	68015	10.82 (275)	100.7
SK2-16 Sloped channel - 39.37" (1m)	68016	11.02 (280)	101.8
SK2-17 Sloped channel - 39.37" (1m)	68017	11.22 (285)	102.9
SK2-18 Sloped channel - 39.37" (1m)	68018	11.41 (290)	104.0
SK2-19 Sloped channel - 39.37" (1m)	68019	11.61 (295)	105.1
SK2-20 Sloped channel - 39.37" (1m) ¹	68020	11.81 (300)	106.2
SK2-020 Constant depth channel - 39.37" (1m)¹	68045	11.81 (300)	106.2
SK2-0203 Constant depth channel - 19.69" (0.5m)¹	68046	11.81 (300)	68.8
SK2-21 Sloped channel - 39.37" (1m)	68021	12 (305)	107.3
SK2-22 Sloped channel - 39.37" (1m)	68022	12.2 (310)	108.4
SK2-23 Sloped channel - 39.37" (1m)	68023	12.4 (315)	109.5
SK2-24 Sloped channel - 39.37" (1m)	68024	12.59 (320)	110.6
SK2-25 Sloped channel - 39.37" (1m) ¹	68025	12.79 (325)	111.7
SK2-26 Sloped channel - 39.37" (1m)	68026	12.99 (330)	112.3
SK2-27 Sloped channel - 39.37" (1m)	68027	13.18 (335)	113.9
SK2-28 Sloped channel - 39.37" (1m)	68028	13.38 (340)	115.8
SK2-29 Sloped channel - 39.37" (1m)	68029	13.58 (345)	116.1
SK2-30 Sloped channel - 39.37" (1m) ¹	68030	13.77 (350)	117.2
SK2-030 Constant depth channel - 39.37" (1m)¹	68047	13.77 (350)	117.2
SK2-0303 Constant depth channel - 19.69" (0.5m)¹	68048	13.77 (350)	73.3
SK2-31 Sloped channel - 39.37" (1m)	68031	13.97 (355)	118.4
SK2-32 Sloped channel - 39.37" (1m)	68032	14.17 (360)	119.5
SK2-33 Sloped channel - 39.37" (1m)	68033	14.37 (365)	120.6
SK2-34 Sloped channel - 39.37" (1m)	68034	14.56 (370)	121.7
SK2-35 Sloped channel - 39.37" (1m) ¹	68035	14.76 (375)	122.8
SK2-36 Sloped channel - 39.37" (1m)	68036	14.96 (380)	123.9
SK2-37 Sloped channel - 39.37" (1m)	68037	15.15 (385)	125.0
SK2-38 Sloped channel - 39.37" (1m)	68038	15.35 (390)	126.1
SK2-39 Sloped channel - 39.37" (1m)	68039	15.55 (395)	127.2
SK2-40 Sloped channel - 39.37" (1m) ¹	68040	15.74 (400)	128.3
SK2-040 Constant depth channel - 39.37" (1m)¹	68049	15.74 (400)	128.3
SK2-0403 Constant depth channel - 19.69" (0.5m)¹	68050	15.74 (400)	82.1
SK2-903D In-line catch basin - 19.69" (0.5m) ³	68053	37.36 (949)	81.8
SK2-904D In-line catch basin - 19.69" (0.5m) ⁴	68055	49.41 (1255)	116.0
SK2-631D catch basin - 19.69" (0.5m) ⁴	68056	49.41 (1255)	126.0

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
SK2 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
SK2 ductile iron slotted grate ⁶	02449	-	30.8
SK2 ductile iron longitudinal grate ⁶	72263	-	26.4
SK2 ductile iron 4-bolt	99591	-	26.4

1. This channel offers bottom knockout feature: 6" & 8" round.
2. Inverts shown are male end; for female invert depth subtract 5 mm (≈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 134.2 in² (865.80 cm²)
6. See 8" width ductile iron grate specification info for grate details.

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 Channels



Specification Summary

General

The surface drainage system shall be ACO Drain PowerDrain S200K as manufactured by ACO, Inc. or equal approved.
(Add appropriate grate - see grate spec information).

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.

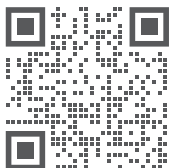


EN1433 Load Class F
202,328 lbs – 4,177 psi

ACO, Inc.

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info@acousa.com
www.acousa.com

