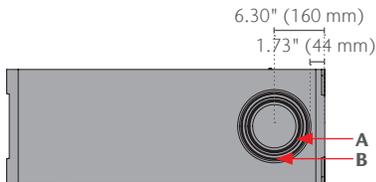
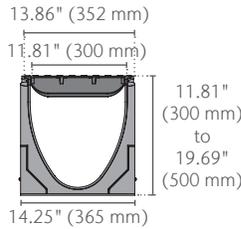
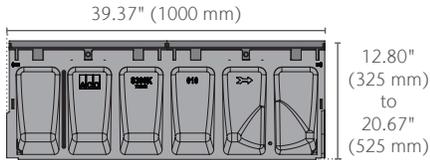
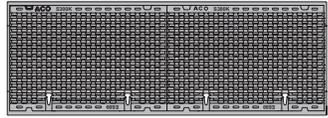


ACO Drain® | PowerDrain®

S300K Iron Edged Channel System w/ Longitudinal Grate (ADA) Spec Sheet

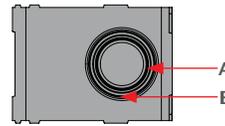
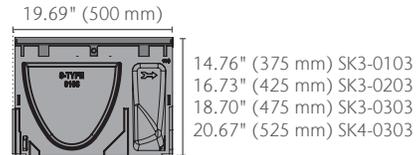
One Meter Channel



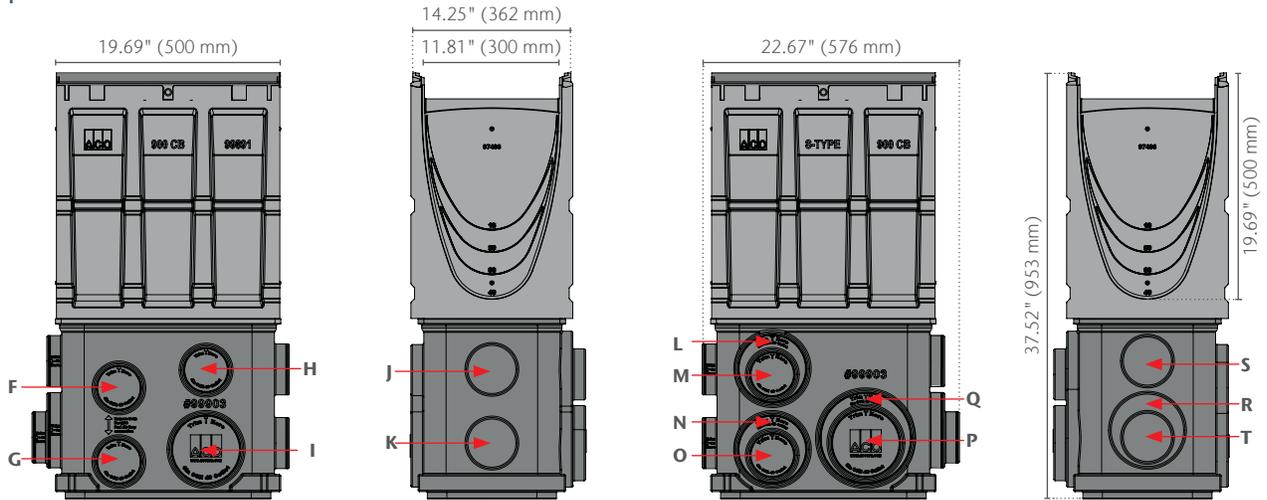
Knock-outs included on every 5th channel



Half Meter Channel

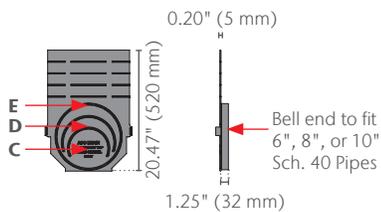


Type 903D Inline Catch Basin



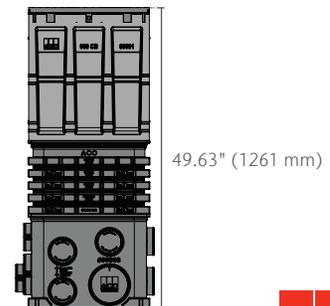
Total Capacity = 15.59 gallons

End Caps



Type 904D Inline Catch Basin

1. Riser can be cut down in 1" (25 mm) increments.
2. Maximum capacity including riser 27.82 gallons.
3. Add 12" (300 mm) to all heights if using riser.
4. Outlet flow rates will be higher due to increased depth - contact ACO Sales Office for more details.



S300K Iron Edged Channel System w/ Longitudinal Grate (ADA) Spec Sheet



Description	Part No.	Invert in ² (mm ²)	Weight lbs.
SK3-00 Neutral channel - 39.37" (1m)¹	72041	11.81 (300)	230.2
SK3-1 Sloped channel - 39.37" (1m)	72001	12.01 (305)	230.2
SK3-2 Sloped channel - 39.37" (1m)	72002	12.2 (310)	231.4
SK3-3 Sloped channel - 39.37" (1m)	72003	12.4 (315)	232.7
SK3-4 Sloped channel - 39.37" (1m)	72004	12.6 (320)	233.9
SK3-5 Sloped channel - 39.37" (1m) ¹	72005	12.8 (325)	235.1
SK3-6 Sloped channel - 39.37" (1m)	72006	12.99 (330)	236.4
SK3-7 Sloped channel - 39.37" (1m)	72007	13.19 (335)	237.6
SK3-8 Sloped channel - 39.37" (1m)	72008	13.39 (340)	238.8
SK3-9 Sloped channel - 39.37" (1m)	72009	13.58 (345)	240
SK3-10 Sloped channel - 39.37" (1m) ¹	72010	13.78 (350)	241.3
SK3-010 Neutral channel - 39.37" (1m)¹	72042	13.78 (350)	241.3
SK3-0103 Neutral channel - 19.69" (0.5m)¹	72045	13.78 (350)	127.9
SK3-11 Sloped channel - 39.37" (1m)	72011	13.98 (355)	242.5
SK3-12 Sloped channel - 39.37" (1m)	72012	14.17 (360)	243.7
SK3-13 Sloped channel - 39.37" (1m)	72013	14.37 (365)	245
SK3-14 Sloped channel - 39.37" (1m)	72014	14.57 (370)	246.2
SK3-15 Sloped channel - 39.37" (1m) ¹	72015	14.76 (375)	247.4
SK3-16 Sloped channel - 39.37" (1m)	72016	14.96 (380)	248.7
SK3-17 Sloped channel - 39.37" (1m)	72017	15.16 (385)	249.9
SK3-18 Sloped channel - 39.37" (1m)	72018	15.35 (390)	251.1
SK3-19 Sloped channel - 39.37" (1m)	72019	15.55 (395)	252.4
SK3-20 Sloped channel - 39.37" (1m) ¹	72020	15.75 (400)	253.6
SK3-020 Neutral channel - 39.37" (1m)¹	72044	15.75 (400)	253.6
SK3-0203 Neutral channel - 19.69" (0.5m)¹	72047	15.75 (400)	134.9
SK3-21 Sloped channel - 39.37" (1m)	72021	15.94 (405)	254.8
SK3-22 Sloped channel - 39.37" (1m)	72022	16.14 (410)	256.1
SK3-23 Sloped channel - 39.37" (1m)	72023	16.34 (415)	257.3
SK3-24 Sloped channel - 39.37" (1m)	72024	16.54 (420)	258.5
SK3-25 Sloped channel - 39.37" (1m) ¹	72025	16.73 (425)	259.7
SK3-26 Sloped channel - 39.37" (1m)	72026	16.93 (430)	261
SK3-27 Sloped channel - 39.37" (1m)	72027	17.13 (435)	262.2
SK3-28 Sloped channel - 39.37" (1m)	72028	17.32 (440)	263.4
SK3-29 Sloped channel - 39.37" (1m)	72029	17.52 (445)	264.7
SK3-30 Sloped channel - 39.37" (1m) ¹	72030	17.72 (450)	265.9
SK3-030 Neutral channel - 39.37" (1m)¹	72046	17.72 (450)	265.9
SK3-0303 Neutral channel - 19.69" (0.5m)¹	72049	17.72 (450)	142.1
SK3-31 Sloped channel - 39.37" (1m)	72031	17.91 (455)	267.1
SK3-32 Sloped channel - 39.37" (1m)	72032	18.11 (460)	268.4
SK3-33 Sloped channel - 39.37" (1m)	72033	18.31 (465)	269.6
SK3-34 Sloped channel - 39.37" (1m)	72034	18.50 (470)	270.8
SK3-35 Sloped channel - 39.37" (1m) ¹	72035	18.70 (475)	272.1
SK3-36 Sloped channel - 39.37" (1m)	72036	18.90 (480)	273.3
SK3-37 Sloped channel - 39.37" (1m)	72037	19.09 (485)	274.5
SK3-38 Sloped channel - 39.37" (1m)	72038	19.29 (490)	275.7
SK3-39 Sloped channel - 39.37" (1m)	72039	19.49 (495)	277
SK3-40 Sloped channel - 39.37" (1m) ¹	72040	19.69 (500)	278.2
SK3-040 Neutral channel - 39.37" (1m)¹	72048	19.69 (500)	278.2
SK3-0403 Neutral channel - 19.69" (0.5m)¹	72050	19.69 (500)	150.3
SK3-903D In-line catch basin - 19.69" (0.5m) ³	94622	37.40 (950)	151.4
SK3-904D In-line catch basin - 19.69" (0.5m) ⁴	94581	49.53 (1258)	161.4

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
12" channel Universal end cap	96827	19.69 (500)	2.5
12" channel Installation device	97479	-	2.5
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 126.4 in² (815.48 cm²)

Outlet Flow Rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth in (mm)	GPM	CFS
A	Bottom outlet - SK3-00	6" round	11.81 (300)	421	0.94
A	Bottom outlet - SK3-040	6" round	19.69 (500)	544	1.21
B	Bottom outlet - SK3-00	8" round	11.81 (300)	748	1.67
B	Bottom outlet - SK3-040	8" round	19.69 (500)	966	2.15
C	End outlet - SK3-00	6" round	11.81 (300)	364	0.81
C	End outlet - SK3-40	6" round	19.69 (500)	500	1.11
D	End outlet - SK3-10	8" round	13.78 (350)	681	1.52
D	End outlet - SK3-40	8" round	19.69 (500)	863	1.92
E	End outlet - SK3-20	10" round	15.75 (400)	1116	2.49
E	End outlet - SK3-40	10" round	19.69 (500)	1304	2.91
F	Type SK3-903D	4" round	29.80 (757)	287	0.64
G	Type SK3-903D	4" round	36.29 (922)	319	0.71
H	Type SK3-903D	4" round	28.22 (717)	279	0.62
I	Type SK3-903D	6" round	36.29 (922)	707	1.57
J	Type SK3-903D	4" round	28.37 (721)	280	0.62
K	Type SK3-903D	4" round	34.87 (886)	312	0.7
L	Type SK3-903D	6" round	29.15 (740)	626	1.4
M	Type SK3-903D	4" round	28.59 (726)	281	0.63
N	Type SK3-903D	6" round	36.28 (922)	707	1.57
O	Type SK3-903D	4" round	35.72 (907)	316	0.7
P	Type SK3-903D	6" round	35.72 (907)	701	1.56
Q	Type SK3-903D	8" round	36.28 (922)	1237	2.76
R	Type SK3-903D	6" round	34.78 (883)	690	1.54
S	Type SK3-903D	4" round	27.65 (702)	276	0.61
T	Type SK3-903D	4" round	34.36 (873)	310	0.69

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.



S300K Iron Edged Channel System w/ Longitudinal Grate (ADA) Spec Sheet



Specification Summary

General

The surface drainage system shall be ACO Drain PowerDrain S300K 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 12" (300 mm) with overall width of 13.86" (352 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.

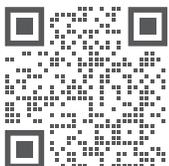


EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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