

ACO Sport®

System 4000

Grated Drainage System

Ideal for Sports Fields, Courts, Running Tracks & Football Fields



ACO. creating

the future of drainage

The ACO Group

Founded in 1946, the ACO Group is a world leader in drainage technology. Climate change sets us a challenge to react effectively with innovative solutions to new environmental conditions. With its integrated approach, ACO provides systems for professional surface water drainage, efficient cleaning, and the controlled discharge or reuse of water.

Products include:

- surface water drainage
- oil, sediment, heavy metal and grease separators
- detention, retention and infiltration systems
- flow control release products

Major innovative strengths of the ACO Group are its continuous research & development and technical expertise in the processing of polymer concrete, plastics, cast iron, stainless steel and cement concretes.

ACO in the USA

ACO, Inc. was founded in Ohio, 1978. Since then, continuous growth in the USA has seen the company expand and build manufacturing facilities in Mentor, OH, and Casa Grande, AZ. The company has further locations in Phoenix, AZ, and Fort Mill, SC. Today, ACO USA has sales personnel across the country and an extensive distribution network through all states, the Caribbean and Central America.

ACO Sport®

ACO Sport products were first used at the 1972 Munich Olympic Stadium. They are designed to maximize the functionality of the athletic facility without disrupting the performance of athletes and players. Products are available to meet the requirements of any athletic arena from high school fields to Olympic Stadiums.



ACO Sport System 4000

Sporting facilities use a wide variety of hard and soft surface materials. All external venues should incorporate surface drainage to protect these surfaces.



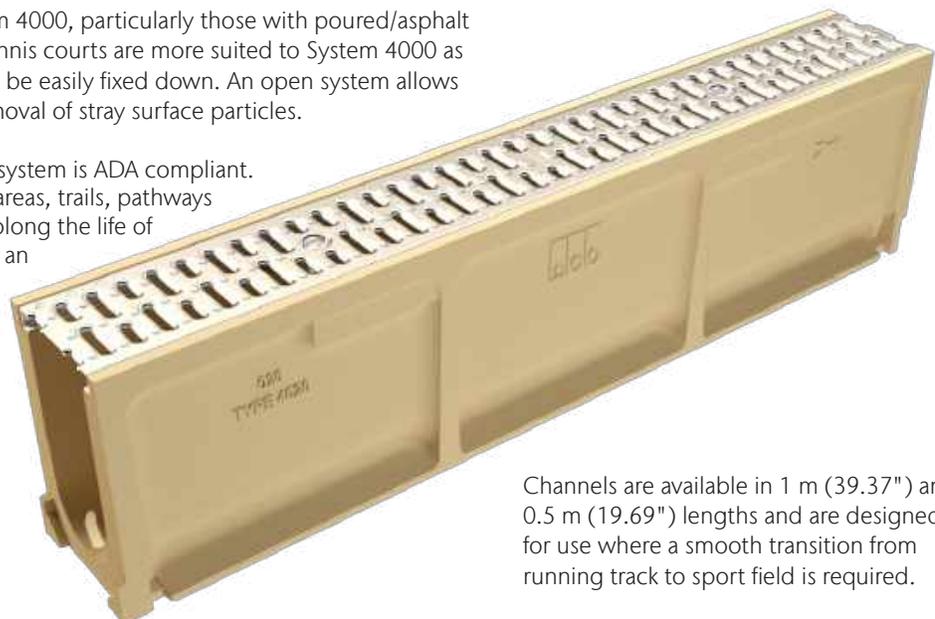
System 4000 is available as a straight channel only. System 2000 radius channels can be used in conjunction with System 4000 open channels if the track requirement is for slotted channels on the curves and grated channels on the straights. 0.5 m channels can be used to create a smoother looking radius. To avoid gaps between channels, miter cut the end. For full details on creating a radius with straight channels, contact ACO.

Popular applications include but are not limited to:

- Sports field edges
- Hard-surface courts (tennis, badminton, etc.)
- Track & field surfaces
- Recreation areas & playgrounds

Running tracks can utilize System 4000, particularly those with poured/asphalt surfaces. Team sport facilities/tennis courts are more suited to System 4000 as surfaces may be loose or cannot be easily fixed down. An open system allows easy access for cleaning and removal of stray surface particles.

Gratings are available to ensure system is ADA compliant. Effective drainage of recreation areas, trails, pathways and any hard paved area will prolong the life of the paving material and provide an all-weather, user-friendly environment.



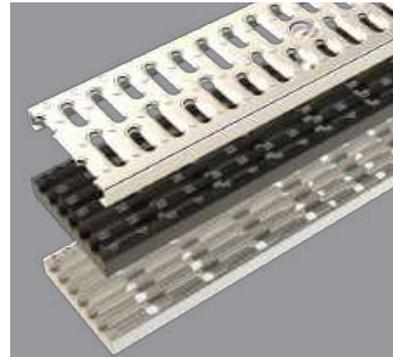
Channels are available in 1 m (39.37") and 0.5 m (19.69") lengths and are designed for use where a smooth transition from running track to sport field is required.

System 4000 Features & Benefits



Open Channels

Grated channels allow for high intake and easy maintenance. Constant depth and sloping channels are available for increased hydraulic capacity.



Choice of Grates

Perpendicular slotted pattern or ADA compliant drainage slot are available in different materials.



Interconnecting Profiles

Channels fit together easily and securely via linking end profiles.



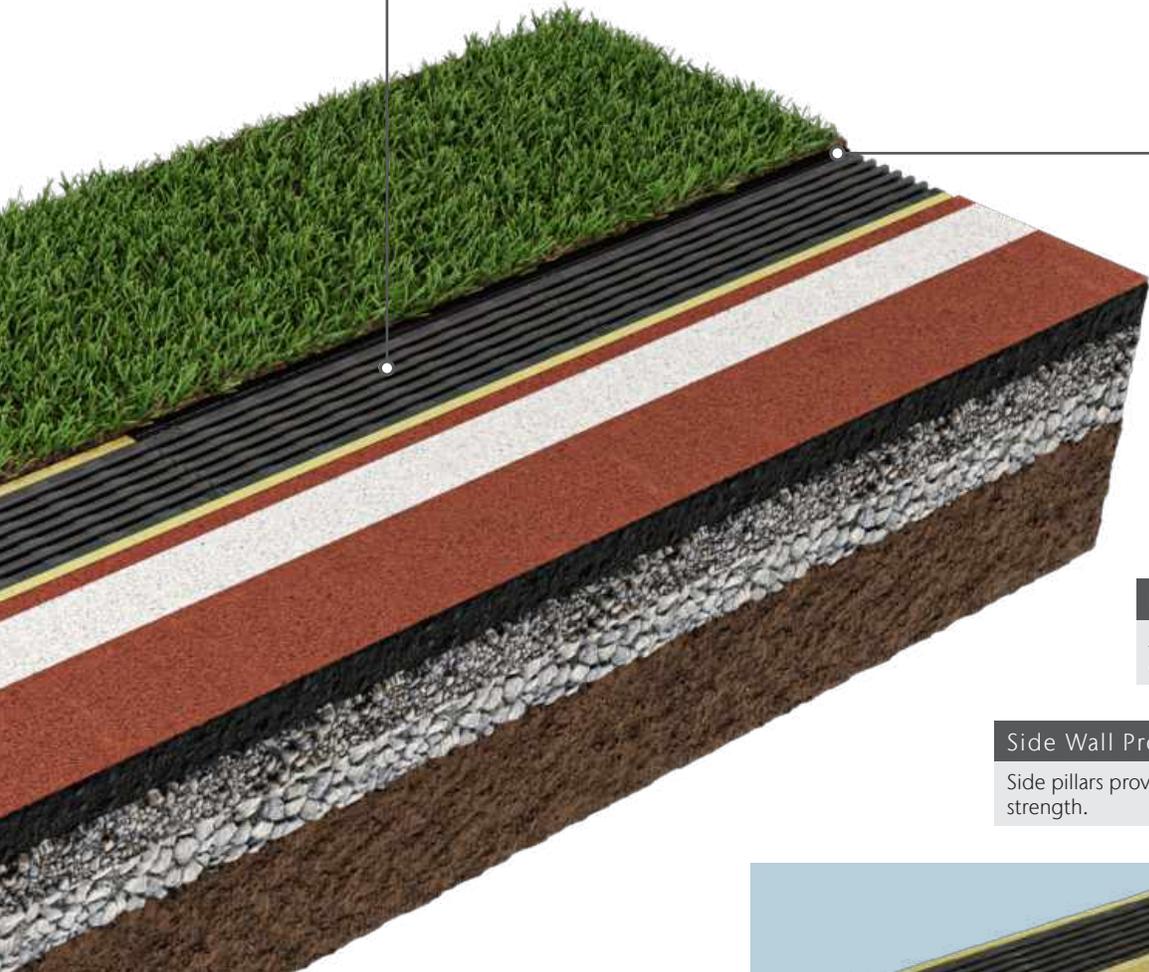
QuickLok®

Grates are secured by a patented, push-fit, boltless locking system, for quick installation and grate removal.



Safety Edge

An optional cellular rubber top provides a soft, safe edge along the field to help reduce injury from impact.



Directional Arrows

Arrows to ensure proper channel connection.

Side Wall Profile

Side pillars provide additional strength.



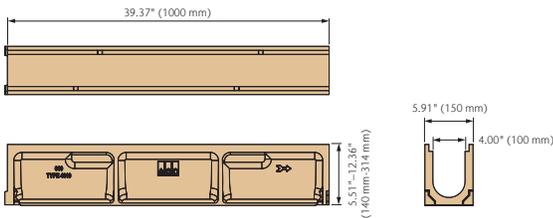
Installation Device

Recess on channel for use of installation device.

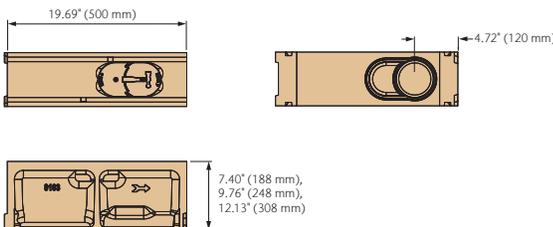
System 4000 Channels

	Part No.	Length in (mm)	Overall Depth in (mm)	Weight lbs
4000-1 Sloped Channel	138001	39.37 (1000)	5.65 (143)	32.0
4002 Constant Depth Channel	06562	39.37 (1000)	5.65 (143)	32.9
4000-2 Sloped Channel	138002	39.37 (1000)	5.88 (149)	32.9
4000-3 Sloped Channel	138003	39.37 (1000)	6.12 (155)	33.8
4000-4 Sloped Channel	138004	39.37 (1000)	6.35 (161)	34.7
4000-5 Sloped Channel	138005	39.37 (1000)	6.59 (167)	35.6
4000-6 Sloped Channel	138006	39.37 (1000)	6.83 (173)	36.5
4000-7 Sloped Channel	138007	39.37 (1000)	7.06 (179)	37.4
4000-8 Sloped Channel	138008	39.37 (1000)	7.30 (185)	38.3
4000-9 Sloped Channel	138009	39.37 (1000)	7.54 (191)	39.2
4010 Constant Depth Channel	06561	39.37 (1000)	7.54 (191)	40.1
40103 Constant Depth Channel	138033	19.69 (500)	7.54 (191)	23.0
4000-10 Sloped Channel	138010	39.37 (1000)	7.77 (197)	40.1
4000-11 Sloped Channel	138011	39.37 (1000)	8.01 (203)	41.0
4000-12 Sloped Channel	138012	39.37 (1000)	8.24 (209)	41.9
4000-13 Sloped Channel	138013	39.37 (1000)	8.48 (215)	42.8
4000-14 Sloped Channel	138014	39.37 (1000)	8.72 (221)	43.7
4000-15 Sloped Channel	138015	39.37 (1000)	8.95 (227)	44.6
4000-16 Sloped Channel	138016	39.37 (1000)	9.19 (233)	45.5
4000-17 Sloped Channel	138017	39.37 (1000)	9.43 (239)	46.4
4000-18 Sloped Channel	138018	39.37 (1000)	9.66 (245)	47.3
4000-19 Sloped Channel	138019	39.37 (1000)	9.90 (251)	48.2
4020 Constant Depth Channel	06563	39.37 (1000)	9.90 (251)	49.1
40203 Constant Depth Channel	138035	19.69 (500)	9.90 (251)	26.0
4000-20 Sloped Channel	138020	39.37 (1000)	10.13 (257)	49.1
4000-21 Sloped Channel	138021	39.37 (1000)	10.37 (263)	50.0
4000-22 Sloped Channel	138022	39.37 (1000)	10.61 (269)	50.9
4000-23 Sloped Channel	138023	39.37 (1000)	10.84 (275)	51.8
4000-24 Sloped Channel	138024	39.37 (1000)	11.08 (281)	52.7
4000-25 Sloped Channel	138025	39.37 (1000)	11.31 (287)	53.6
4000-26 Sloped Channel	138026	39.37 (1000)	11.55 (293)	54.5
4000-27 Sloped Channel	138027	39.37 (1000)	11.79 (299)	55.6
4000-28 Sloped Channel	138028	39.37 (1000)	12.02 (305)	56.5
4000-29 Sloped Channel	138029	39.37 (1000)	12.26 (311)	57.4
4000-30 Sloped Channel	138030	39.37 (1000)	12.50 (317)	59.2

Meter Channel



Half-Meter Channel



Catch Basin

	Part No.	Length in (mm)	Overall Depth in (mm)	Weight lbs
In-line Catch Basin				
	05620	19.69 (500)	23.00 (585)	57.0
Catch Basin QuickLok bar	98717	-	-	0.1
Plastic Trash Bucket	01498	-	-	1.1
6" Oval > Round Adapter	95140	-	-	1.1

Accessories

Closing End Cap	137090	-	12.50 (311)	4.5
104-4 Inlet Cap - 4"	137091	-	7.54 (191)	2.6
108-4 Outlet Cap - 4"	137092	-	7.77 (197)	2.0
204-4 Inlet Cap - 4"	137093	-	9.90 (251)	3.7
208-4 Outlet Cap - 4"	137094	-	10.13 (257)	2.6
208-6 Outlet Cap - 6"	137095	-	10.13 (257)	2.6
308-4 Outlet Cap - 4"	137097	-	12.50 (317)	3.3
308-6 Outlet Cap - 6"	137098	-	12.50 (317)	3.3
204-6 Inlet Cap - 6"	137099	-	9.90 (251)	3.3

Grates

Steel Slotted - 1 m	31530	39.37 (1000)	-	5.9
Steel Slotted - 0.5 m	31531	19.69 (500)	-	3.0
Black Longitudinal Plastic - 0.5 m	97393	19.69 (500)	-	1.8
Gray Longitudinal Plastic - 0.5 m	97385	19.69 (500)	-	1.8
QuickLok Bar	02899	39.37 (1000)	-	0.2
Grate Removal Tool	01318	39.37 (1000)	-	0.6

Safety Edge System

SE4020 Constant Depth Channel	06566	39.37 (1000)	9.90 (251)	49.0
In-line Catch Basin	06567	19.69 (500)	23.00 (585)	59.0

ACO Sport Systems

Full Athletic Venue Coverage

System 7100

Safety Curb provides rubber topping that borders sports fields for containing loose surfacing such as sand, cinder, or clay in recreational parks and playgrounds.

System 2000/3000

Slotted channels provide discrete, unintrusive drainage for track and field arenas.

System 7200/7300

ACO's Modular Long Jump Pit Systems fulfill high school, college (NCAA), and international standards (IAAF).

Sand Traps prevent displaced sand from degrading surrounding track material.

System 4000

Grated channels are ideal for providing drainage around the perimeter of sports fields, courts, and bleachers.

ACO products support the ACO System Chain



Surface Water Management

- ACO Drain - Commercial Trench Drains
- ACO Infrastructure - Heavy Duty Drainage
- ACO Sport - Athletic Venue Drainage
- ACO StormBrixx - Geocellular Tanks
- ACO Aquaduct - Custom Drainage
- ACO Environment - Solid & Oil Separators
- ACO Wildlife - Guidance & Passage
- ACO Self - Garden & Landscape Drainage
- ACO UtilityDuct - Linear Ducting System

Building Drainage

- ACO Stainless - Stainless Trench Drains
- ACO BoxDrain - Stainless Floor Troughs
- ACO FloorDrain - Stainless Point Drains
- ACO Pipe - Stainless Push-fit Piping
- ACO ShowerDrain - Bathroom Drainage

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