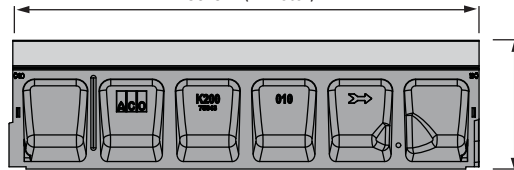


ACO DRAIN

KlassikDrain - K200 Galvanized steel edge rail channel system

One meter channel

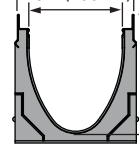
39.37" (1 meter)



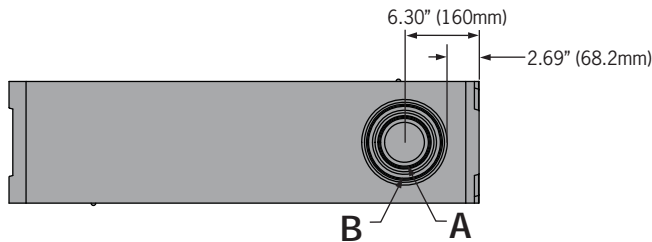
8.86" (225mm)
to
16.73" (425mm)

10.24" (260mm)

7.87" (200mm)

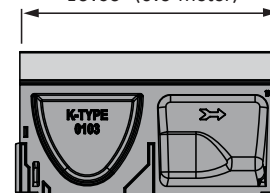


7.87" (200mm)
to
15.75" (400mm)

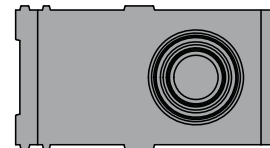


Half meter channel

19.69" (0.5 meter)

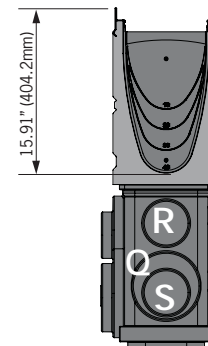
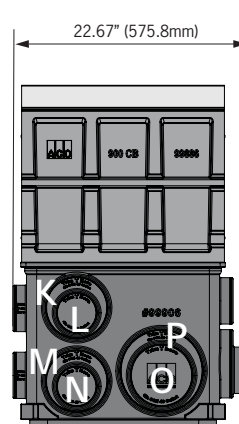
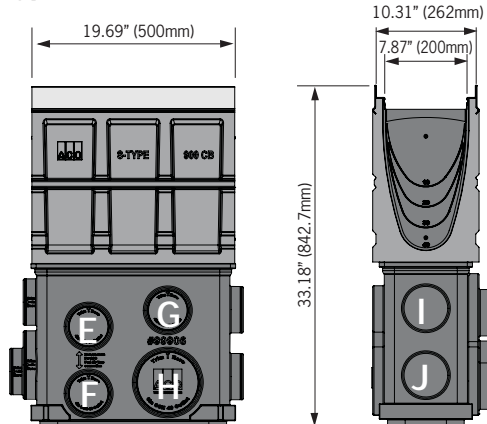


10.83" (275mm) K2-0103
12.80" (325mm) K2-0203
14.76" (375mm) K2-0303
16.73" (425mm) K2-0403



Knock-outs included on every 5th channel

Type 902G In-line catch basin



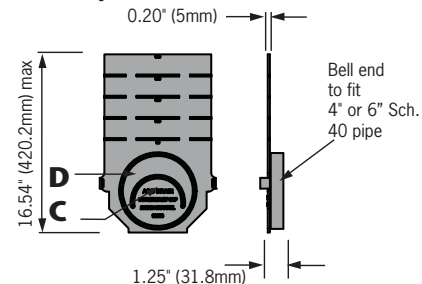
Total capacity =
19 gallons

Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - K2-00	4" round	7.87"	153	0.34
A	Bottom outlet - K2-040	4" round	15.75"	216	0.48
B	Bottom outlet - K2-00	6" round	7.87"	344	0.77
B	Bottom outlet - K2-040	6" round	15.75"	486	1.08
C	End outlet - K2-00	4" round	7.87"	132	0.29
C	End outlet - K2-40	4" round	15.75"	202	0.45
D	End outlet - K2-10	6" round	9.84"	320	0.71
D	End outlet - K2-40	6" round	15.75"	437	0.97
E	Type K2-902G	4" round	25.33"	263	0.59
F	Type K2-902G	4" round	31.83"	297	0.66
G	Type K2-902G	4" round	23.76"	254	0.57
H	Type K2-902G	6" round	31.83"	658	1.47
I	Type K2-902G	4" round	23.91"	255	0.57
J	Type K2-902G	4" round	30.40"	290	0.65
J	Type K2-902G	6" round	24.68"	570	1.27
L	Type K2-902G	4" round	24.13"	256	0.57
M	Type K2-902G	6" round	31.82"	658	1.47
N	Type K2-902G	4" round	31.26"	294	0.66
O	Type K2-902G	6" round	31.26"	651	1.45
P	Type K2-902G	8" round	31.82"	1149	2.56
Q	Type K2-902G	6" round	30.32"	640	1.43
R	Type K2-902G	4" round	23.19"	251	0.56
S	Type K2-902G	4" round	29.90"	288	0.64

Note: 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.

End Cap



ACO DRAIN

KlassikDrain - K200 Galvanized steel edge rail channel system



Description	Part No.	Invert Inches [®]	mm [®]	Weight Lbs.
K2-00 Neutral channel - 39.37" (1m)[®]	75041	7.87	200	83.6
K2-1 Sloped channel - 39.37" (1m)	75001	8.07	205	83.6
K2-2 Sloped channel - 39.37" (1m)	75002	8.27	210	84.7
K2-3 Sloped channel - 39.37" (1m)	75003	8.46	215	85.8
K2-4 Sloped channel - 39.37" (1m)	75004	8.66	220	86.9
K2-5 Sloped channel - 39.37" (1m) [®]	75005	8.86	225	88.0
K2-6 Sloped channel - 39.37" (1m)	75006	9.06	230	89.1
K2-7 Sloped channel - 39.37" (1m)	75007	9.25	235	90.2
K2-8 Sloped channel - 39.37" (1m)	75008	9.45	240	91.3
K2-9 Sloped channel - 39.37" (1m)	75009	9.65	245	92.4
K2-10 Sloped channel - 39.37" (1m) [®]	75010	9.84	250	93.5
K2-010 Neutral channel - 39.37" (1m)[®]	75043	9.84	250	93.5
K2-0103 Neutral channel - 19.69" (0.5m)[®]	75044	9.84	250	56.0
K2-11 Sloped channel - 39.37" (1m)	75011	10.04	255	94.6
K2-12 Sloped channel - 39.37" (1m)	75012	10.24	260	95.7
K2-13 Sloped channel - 39.37" (1m)	75013	10.43	265	96.8
K2-14 Sloped channel - 39.37" (1m)	75014	10.63	270	97.9
K2-15 Sloped channel - 39.37" (1m) [®]	75015	10.83	275	99.0
K2-16 Sloped channel - 39.37" (1m)	75016	11.02	280	100.1
K2-17 Sloped channel - 39.37" (1m)	75017	11.22	285	101.2
K2-18 Sloped channel - 39.37" (1m)	75018	11.41	290	102.3
K2-19 Sloped channel - 39.37" (1m)	75019	11.61	295	103.4
K2-20 Sloped channel - 39.37" (1m) [®]	75020	11.81	300	104.5
K2-020 Neutral channel - 39.37" (1m)[®]	75045	11.81	300	104.5
K2-0203 Neutral channel - 19.69" (0.5m)[®]	75046	11.81	300	64.0
K2-21 Sloped channel - 39.37" (1m)	75021	12.01	305	105.6
K2-22 Sloped channel - 39.37" (1m)	75022	12.20	310	106.7
K2-23 Sloped channel - 39.37" (1m)	75023	12.40	315	107.8
K2-24 Sloped channel - 39.37" (1m)	75024	12.60	320	108.9
K2-25 Sloped channel - 39.37" (1m) [®]	75025	12.80	325	110.0
K2-26 Sloped channel - 39.37" (1m)	75026	12.99	330	111.1
K2-27 Sloped channel - 39.37" (1m)	75027	13.19	335	112.2

Description	Part No.	Invert Inches [®]	mm [®]	Weight Lbs.
K2-28 Sloped channel - 39.37" (1m)	75028	13.39	340	113.3
K2-29 Sloped channel - 39.37" (1m)	75029	13.58	345	114.4
K2-30 Sloped channel - 39.37" (1m) [®]	75030	13.78	350	115.5
K2-030 Neutral channel - 39.37" (1m)[®]	75047	13.78	350	115.5
K2-0303 Neutral channel - 19.69" (0.5m)[®]	75048	13.78	350	68.0
K2-31 Sloped channel - 39.37" (1m)	75031	13.98	355	116.6
K2-32 Sloped channel - 39.37" (1m)	75032	14.17	360	117.7
K2-33 Sloped channel - 39.37" (1m)	75033	14.37	365	118.8
K2-34 Sloped channel - 39.37" (1m)	75034	14.57	370	119.9
K2-35 Sloped channel - 39.37" (1m) [®]	75035	14.76	375	121.0
K2-36 Sloped channel - 39.37" (1m)	75036	14.96	380	122.1
K2-37 Sloped channel - 39.37" (1m)	75037	15.16	385	123.2
K2-38 Sloped channel - 39.37" (1m)	75038	15.35	390	124.3
K2-39 Sloped channel - 39.37" (1m)	75039	15.55	395	125.4
K2-40 Sloped channel - 39.37" (1m) [®]	75040	15.75	400	126.5
K2-040 Neutral channel - 39.37" (1m)[®]	75049	15.75	400	126.5
K2-0403 Neutral channel - 19.69" (0.5m)[®]	75050	15.75	400	77.0
K2-901G In-line catch basin - 19.69" (0.5m) [®]	94611	32.81	833.3	68.0
K2-621G catch basin - 19.69" (0.5m) [®]	94620	37.33	948.1	91.0
K2-631G catch basin - 19.69" (0.5m) [®]	94633	49.33	1252.9	101.0
K2-Series 600 Optional plastic riser	99902	-	-	10.0
Foul air trap - fits both 900 & 600 series basins	90854	-	-	1.2
Universal end cap	96821	15.71	399	1.4
Debris strainer for 8" bottom knockout	93488	-	-	0.2
K2-Installation device	97478	-	-	2.8
Grate removal tool	01318	-	-	0.3
K2-QuickLok locking bar	10457	-	-	0.5

Notes:

1. This channel offers a bottom knockout feature: 4" & 6" round
2. Inverts shown are for the male end; for female invert depth subtract 5mm (≈0.2") from the male invert (except for neutral channels, where it will be same as male invert).
To calculate the overall channel depth add 20mm (≈0.8") to invert depth.
3. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
4. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an appropriate grate.

Specifications		Water absorption	0.07%	cast in by the manufacturer to ensure maximum
General		Frost proof	YES	homogeneity between polymer concrete body and
The surface drainage system shall be ACO Drain K200 complete with gratings secured with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or approved equal.		Salt proof	YES	edge rail. Each edge rail shall be at least 3/32"
		Dilute acid and alkali resistant	YES	(2.5mm) thick.
Materials		The nominal clear opening shall be 8" (200mm) with overall width of 10.24" (260mm). 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 0.50" (13mm). 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 galvanized steel edge rail will be integrally		Grates
The trench system bodies shall be manufactured from polyester polymer concrete with the minimum properties as follows:				Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of grates and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.
Compressive strength:	14,000 psi	Installation The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.		
Flexural strength:	4,000 psi			

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Fax: (520) 421-9899

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Toll free: (800) 543-4764
Fax: (803) 802-1063

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www.ACODrain.us



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Mar 13/1

www.ACODrain.us

Type 660D Iron Slotted grate

Product Features



Certified to AS 3996 Load Class D (210kN)
(NATA endorsed load test reports available)



AS 1428.1 (Clause 4.4b)¹ compliant for wheelchair and walking cane safety



AS 3996 (Clause 3.3.7) compliant for bicycle tyre penetration resistance

- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- **DrainLok** barless and boltless locking system
- Suitable for use with K200, KS200, H200K, H200KS channels
- Manufactured from ductile iron to AS 1831 Grade 500-7

¹ Dominate direction of travel parallel to the grate's length



Supplied By:

**TRENCHDRAIN
SUPPLY**

877-903-7246

www.trenchdrainsupply.com

Specifications

The grate shall be ACO Type 660D Iron Slotted grate with **DrainLok** barless and boltless locking system as manufactured by ACO. This grate has an overall width of 238mm and overall length of 500mm. Slot widths measure at a maximum of 12mm.

Materials & Design

The grate shall be manufactured from ductile iron and have **minimum** properties and characteristics as follows:

- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- Manufactured from ductile iron to AS 1831 Grade 500-7
- Certified to AS 3996 Load Class D (210kN)¹
- Meets AS 1428.1 (Clause 4.4b)²; AS 3996 (Clause 3.3.7)
- Intake area of 44,160mm² per half metre of grate

¹ NATA endorsed test reports available

² Dominate direction of travel parallel to the grate's length

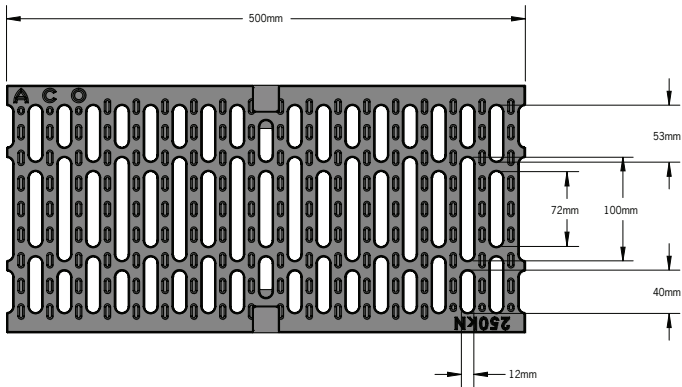
For the specification of the ACO Drain channel system selected, click: <http://www.acodrain.com.au/product-support>

ACO DRAIN®

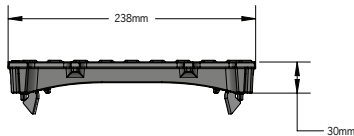
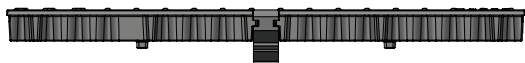
Type 660D Iron Slotted grate



Plan view

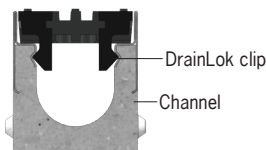


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
DrainLok grate Type 660D Iron Slotted Grate removal tool	142177 01318	500 -	238 -	12.0 0.1

'DrainLok' locking mechanism



ACO DrainLok™ is a patented, boltless locking system that removes the need for bolts and bars and improves the hydraulic capacity of the channel. The DrainLok™ mechanism simply clips into the channel edge rail for rapid installation. ACO DrainLok™ grates are fitted with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

Supplied By:
TRENCH DRAIN SUPPLY
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SPEC INFO
ACO

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Type 676D Iron Intercept Heelsafe® Anti-Slip grate

Product Features



Certified to AS 3996 Load Class D (210kN)
(NATA endorsed load test reports available)



AS 3996 (Clause 3.3.6) compliant for surface openings in pedestrian areas
ASME A112.6.3 (Section 7.12) compliant - American high heel standard



AS 4586: P2 - Slip resistance classification for Wet Pendulum Test
AS 4586: R10/R9¹ - Slip resistance classification for Oil-Wet Inclining Platform Test



AS 1428.1 (Clause 4.4c) compliant for wheelchair and walking cane safety



AS 3996 (Clause 3.3.7) compliant for bicycle tyre penetration resistance

- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- **DrainLok** barless and boltless locking system
- Suitable for use with K200, KS200, H200K, H200KS channels
- Manufactured from ductile iron to AS 1831 Grade 500-7

¹ Test direction (perpendicular/parallel) relative to the grate's length
(NATA endorsed test reports available)



This grate is part of ACO's
Heelsafe® Anti-Slip range.
For more information visit
www.heelsafe.com.au



Supplied By:

**TRENCHDRAIN
SUPPLY**

877-903-7246

www.trenchdrainsupply.com

Specifications

The grate shall be ACO Type 676D Iron Intercept **Heelsafe®** Anti-Slip grate with **DrainLok** barless and boltless locking system as manufactured by ACO. This grate has an overall width of 238mm and overall length of 500mm. Slot widths measure at a maximum of 6mm.

Materials & Design

The grate shall be manufactured from ductile iron and have **minimum** properties and characteristics as follows:

- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- Manufactured from ductile iron to AS 1831 Grade 500-7
- Certified to AS 3996 Load Class D (210kN)²
- AS 4586: P2 - Slip resistance classification for Wet Pendulum Test²
- AS 4586: R10/R9¹ - Slip resistance classification for Oil-Wet Inclining Platform Test²
- Meets AS 1428.1 (Clause 4.4c); AS 3996 (Clause 3.3.6 & 3.3.7); ASME A112.6.3 (Section 7.12)
- Intake area of 25,300mm² per half metre of grate

¹ Test direction (perpendicular/parallel) relative to the grate's length

² NATA endorsed test reports available

For the specification of the ACO Drain channel system selected, click: <http://www.acodrain.com.au/product-support>

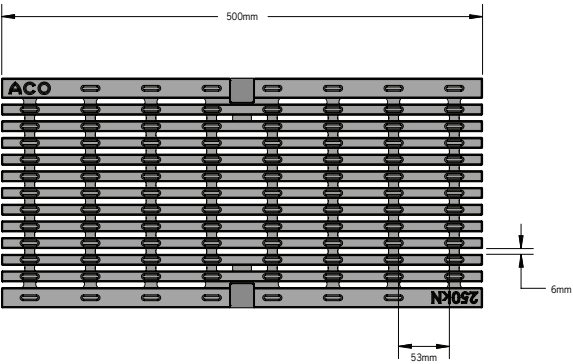
ACO Specification Information

ACO DRAIN®

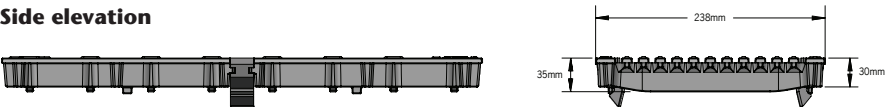
Type 676D Iron Intercept Heelsafe® Anti-Slip grate



Plan view

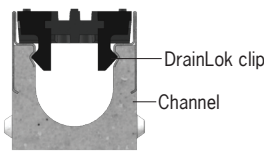


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
DrainLok grate Type 676D Iron Intercept Heelsafe® Anti-Slip Grate removal tool	142173 01318	500 -	238 -	10.0 0.1

'DrainLok' locking mechanism



ACO DrainLok™ is a patented, boltless locking system that removes the need for bolts and bars and improves the hydraulic capacity of the channel. The DrainLok™ mechanism simply clips into the channel edge rail for rapid installation. ACO DrainLok™ grates are fitted with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

Supplied By:
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Type 680D Iron Wave Heelsafe® Anti-Slip grate

Product Features



Certified to AS 3996 Load Class D (210kN)
(NATA endorsed load test reports available)



AS 3996 (Clause 3.3.6) compliant for surface openings in pedestrian areas
ASME A112.6.3 (Section 7.12) compliant - American high heel standard



AS 4586: P4 – Slip resistance classification for Wet Pendulum Test
AS 4586: R10/R10¹ - Slip resistance classification for Oil-Wet Inclining Platform Test



AS 1428.1 (Clause 4.4b) compliant for wheelchair and walking cane safety



AS 3996 (Clause 3.3.7) compliant for bicycle tyre penetration resistance

- Continuous wave pattern
- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- **DrainLok** barless and boltless locking system
- Suitable for use with K200, KS200, H200K, H200KS channels
- Manufactured from ductile iron to AS 1831 Grade 500-7

¹ Test direction (perpendicular/parallel) relative to the grate's length
(NATA endorsed test reports available)



This grate is part of ACO's
Heelsafe® Anti-Slip range.
For more information visit
www.heelsafe.com.au



Supplied By:

TRENCHDRAIN
SUPPLY

877-903-7246

www.trenchdrainsupply.com

Specifications

The grate shall be ACO Type 680D Iron Wave **Heelsafe®** Anti-Slip grate with **DrainLok** barless and boltless locking system as manufactured by ACO. This grate has an overall width of 238mm and overall length of 500mm. Slot widths measure at a maximum of 7mm.

Materials & Design

The grate shall be manufactured from ductile iron and have **minimum** properties and characteristics as follows:

- Continuous wave pattern
- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- Manufactured from ductile iron to AS 1831 Grade 500-7
- Certified to AS 3996 Load Class D (210kN)²
- AS 4586: P4 – Slip resistance classification for Wet Pendulum Test²
- AS 4586: R10/R10¹ – Slip resistance classification for Oil-Wet Inclining Platform Test²
- Meets AS 1428.1 (Clause 4.4b); AS 3996 (Clause 3.3.6 & 3.3.7); ASME A112.6.3 (Section 7.12)
- Intake area of 37,880mm² per half metre of grate

¹ Test direction (perpendicular/parallel) relative to the grate's length

² NATA endorsed test reports available

For the specification of the ACO Drain channel system selected, click: <http://www.acodrain.com.au/product-support>

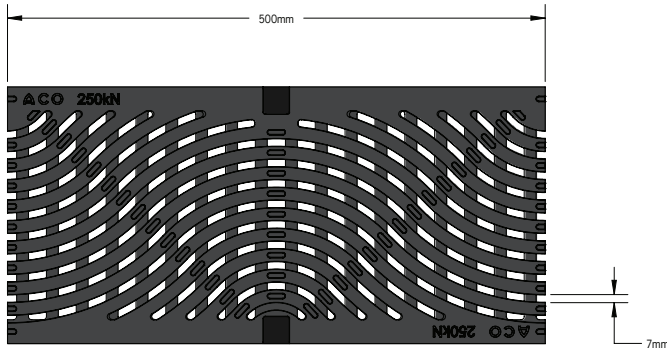
ACO Specification Information

ACO DRAIN®

Type 680D Iron Wave Heelsafe® Anti-Slip grate



Plan view

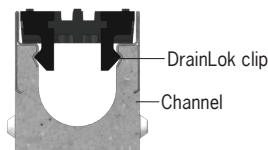


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
DrainLok grate Type 680D Iron Wave Heelsafe® Anti-Slip Grate removal tool	142462 01318	500 -	238 -	12.7 0.1

'DrainLok' locking mechanism



ACO DrainLok™ is a patented, boltless locking system that removes the need for bolts and bars and improves the hydraulic capacity of the channel. The DrainLok™ mechanism simply clips into the channel edge rail for rapid installation. ACO DrainLok™ grates are fitted with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

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SPEC INFO
ACO

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Type 661Q Ductile iron slotted grate



Product Features

- Certified to EN 1433 Load Class E - 135,000 lbs. - 2,788 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with K200, KS200, H200K-13, and H200KS-13 channels
- Manufactured from ductile iron to ASTM A 536-84 - Grade 65-45-12
- E- coated for improved resistance against rust



Specifications

General

The surface drainage system shall be ACO Drain K200, KS200, H200K-13, and H200KS-13 channels* complete with ACO Type 661Q ductile iron slotted grate with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials

The covers shall be manufactured from ductile iron and have **minimum** properties as follows:

- **Independently certified to meet Load Class E to EN 1433 - 135,000 lbs - 2,788 psi**
- **Ductile iron to ASTM A 536-84 - Grade 65-45-12**
- **Intake area of 81.89 sq. in. (528.32 cm²) per half meter of grate**

The overall width of 9.37" (238mm) and overall length of 19.69" (500mm). Slots measure at a maximum of 3.75" (95.4mm).

Installation

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

* delete as appropriate

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877-903-7246

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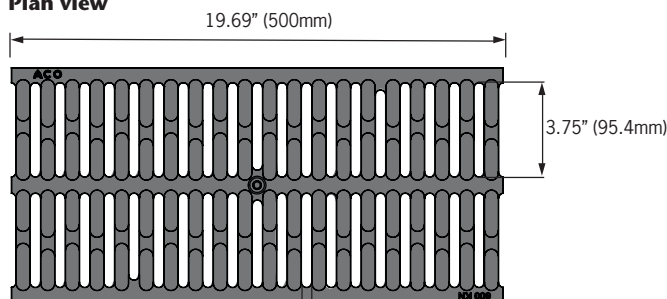
ACO Specification Information

ACO DRAIN

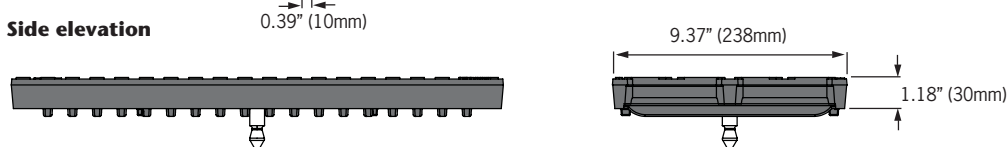
Type 661Q Ductile iron slotted grate



Plan view

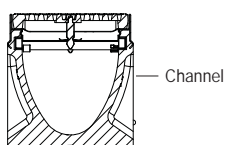


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grate				
Type 661Q Ductile iron slotted grate	10351	19.69 (500)	9.41 (239)	30.8
QuickLok locking bar	10457	-	-	0.5
QuickLok grate removal tool	01318	-	-	0.3

'QuickLok' locking mechanism



Grate

'QuickLok' locking stud (fixed to grate)

'QuickLok' locking spring (fixed to locking bar)

'QuickLok' locking bar (side and plan views)

ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

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Apr 13/2

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SPEC
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Type 678Q Longitudinal ductile iron grate (ADA)



Product Features

- Certified to EN 1433 Load Class C - 56,000 lbs - 1,162 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with K200, KS200, H200K-13, and H200KS-13 channels
- Manufactured from ductile iron to ASTM A 536-84 - Grade 65-45-12
- E- coated for improved resistance against rust
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS 3996 - 2006



Specifications

General

The surface drainage system shall be ACO Drain K200, KS200, H200K-13, and H200KS-13, channels* complete with ACO Type 678Q longitudinal ductile iron grate with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials

The covers shall be manufactured from ductile iron and have **minimum** properties as follows:

- **Independently certified to meet Load Class C to EN 1433 - 56,000 lbs - 1,162 psi**
- **Ductile iron to ASTM A 536-84 - Grade 65-45-12**
- **Intake area of 60.6 sq. in. (390.97 cm²) per half meter of grate**

The overall width of 9.41" (239mm) and overall length of 19.69" (500mm). Slots measure at a maximum of 0.24" (6mm).

Installation

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

* delete as appropriate

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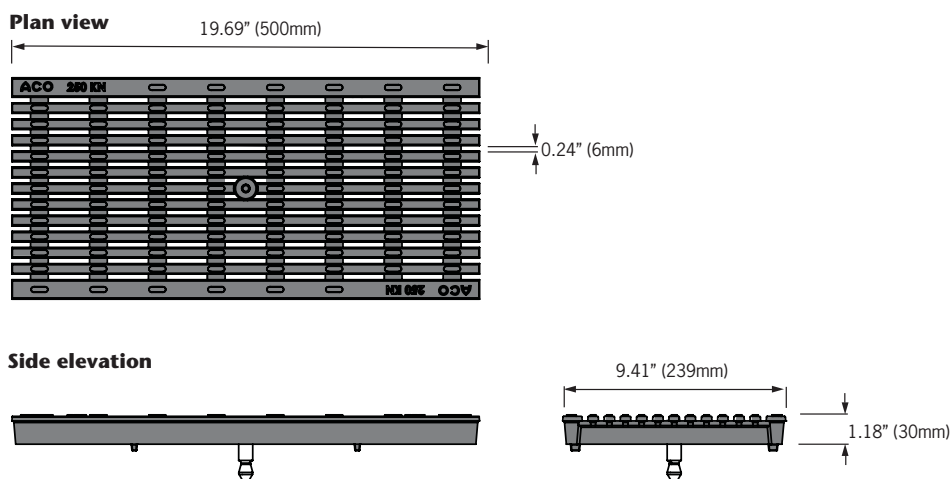
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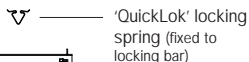
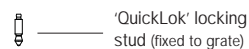
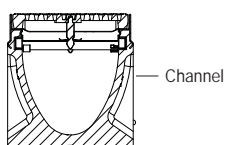
ACO DRAIN

Type 678Q Longitudinal ductile iron grate (ADA)



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grate				
Type 678Q Ductile iron longitudinal grate	95038	19.69 (500)	9.41 (239)	22.0
QuickLok locking bar	10457	-	-	0.5
QuickLok grate removal tool	01318	-	-	0.3

'QuickLok' locking mechanism



ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

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Apr 13/2

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Type 611Q/613Q Perforated galvanized steel grate (ADA)



Product Features

- Certified to EN 1433 Load Class C - 56,000 lbs - 1,162 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with K200, KS200, H200K-13, and H200KS-13 channels
- Manufactured from 13 gauge galvanized steel
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS 3996 - 2006



Specifications

General

The surface drainage system shall be ACO Drain K200, KS200, H200K-13, and H200KS-13, channels* complete with ACO Type 611Q/613Q perforated galvanized steel grate (ADA) with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials

The covers shall be manufactured from stainless steel and have **minimum** properties as follows:

- **Independently certified to meet Load Class C to EN 1433 - 56,000 lbs - 1,162 psi**
- **13 gauge galvanized steel**
- **Intake area of 22.3 sq. in. (143.87 cm²) per half meter of grate**

The overall width of 9.41" (239mm) and overall length of 39.37" (1000mm) (Type 611Q) and overall length of 19.69" (500mm) (Type 613Q). Perforations measure 0.25" (6.4mm) in diameter.

Installation

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

* delete as appropriate

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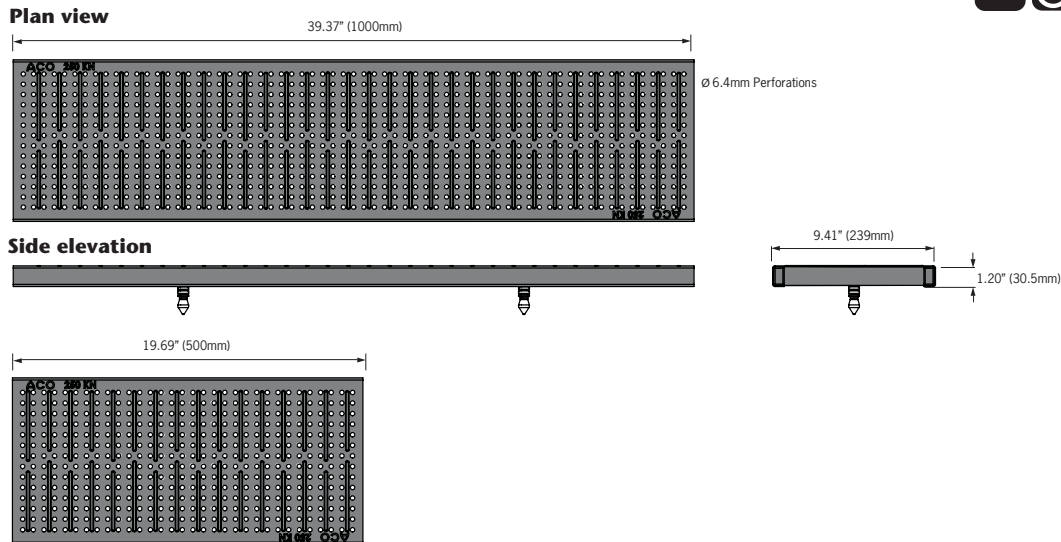
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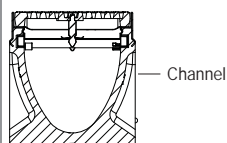
ACO DRAIN

Type 611Q/613Q Perforated galvanized steel grate (ADA)



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grate				
Type 611Q Perforated galvanized steel grate	98962	39.37 (1000)	9.41 (239)	21.0
Type 613Q Perforated galvanized steel grate	98961	19.69 (500)	9.41 (239)	10.5
QuickLok locking bar	10457	-	-	0.5
QuickLok grate removal tool	01318	-	-	0.3

'QuickLok' locking mechanism



Grate

'QuickLok' locking stud (fixed to grate)

'QuickLok' locking spring (fixed to locking bar)

'QuickLok' locking bar (side and plan views)

ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed into the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

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