

SHOWERDRAIN PRODUCT HANDBOOK









# LINEAR SHOWERCHANNEL

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# SHOWERPOINT

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# WHY QUARTz?

# The Difference is in the Details

Products are designed to provide a long and reliable service life. The high quality finishes and smooth surfaces guarantee safe drainage and hygiene in bathrooms.





# **Quality & Functionality**

High quality is an often over-used claim, but QuARTz shower channels earn that description. Manufactured from superior materials to high standards held by US craftsmen, QuARTz shower channels are designed to last. Quality is not limited to the design, materials and finish; ease of handling and installation are also given the same attention to detail.



# CONTENTS



# Award-winning Design

The stainless steel grates visibly demonstrate the quality of the shower channels and drains. QuARTz shower channels give any number of opportunities to impress through quality and looks!









reddot design award 2008

red<mark>dot</mark> design award



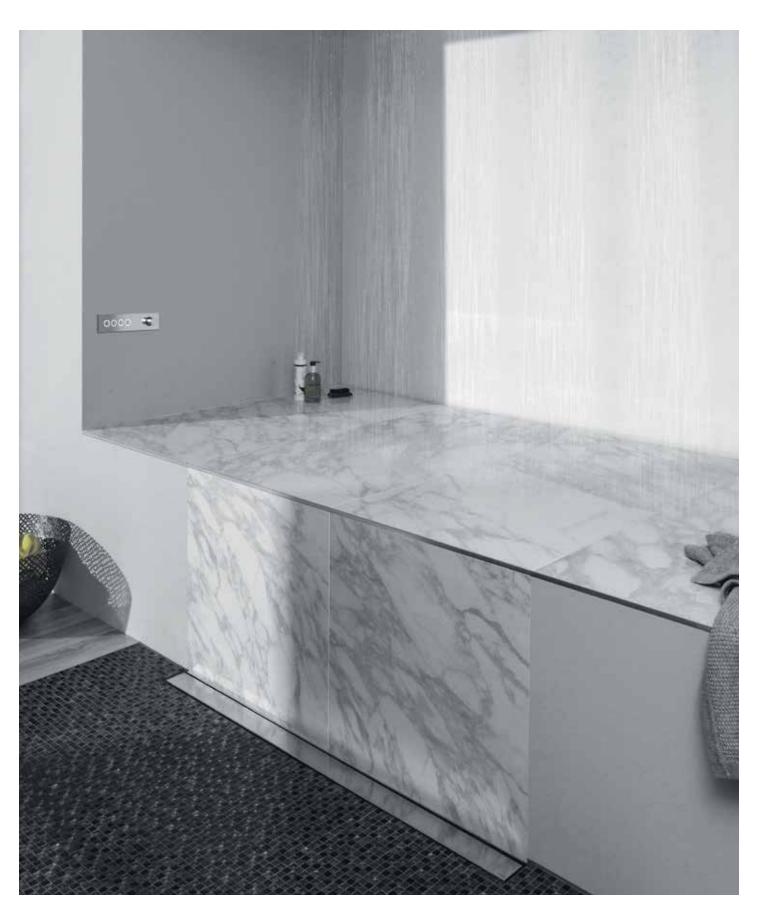




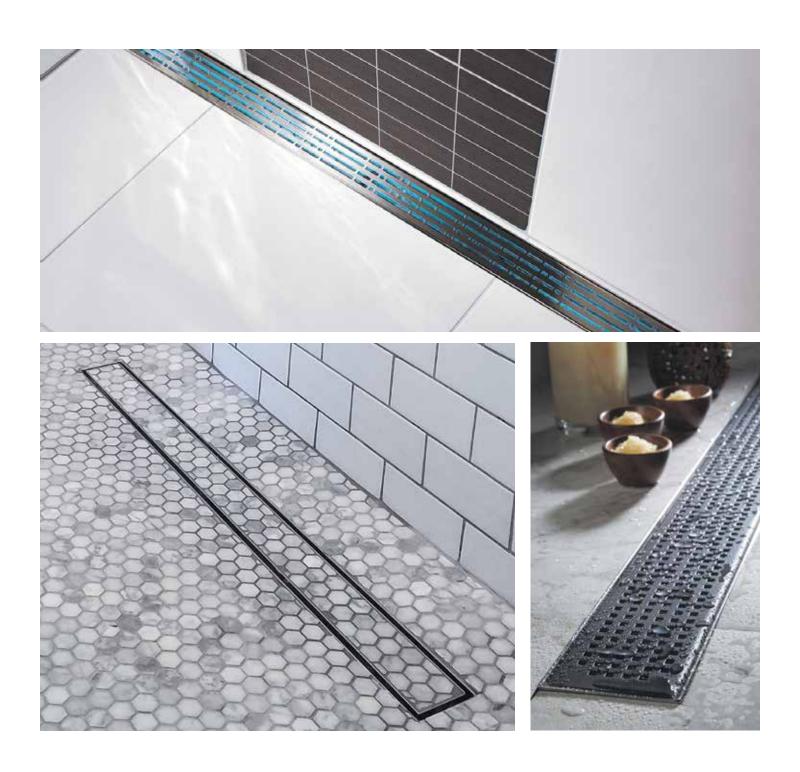
















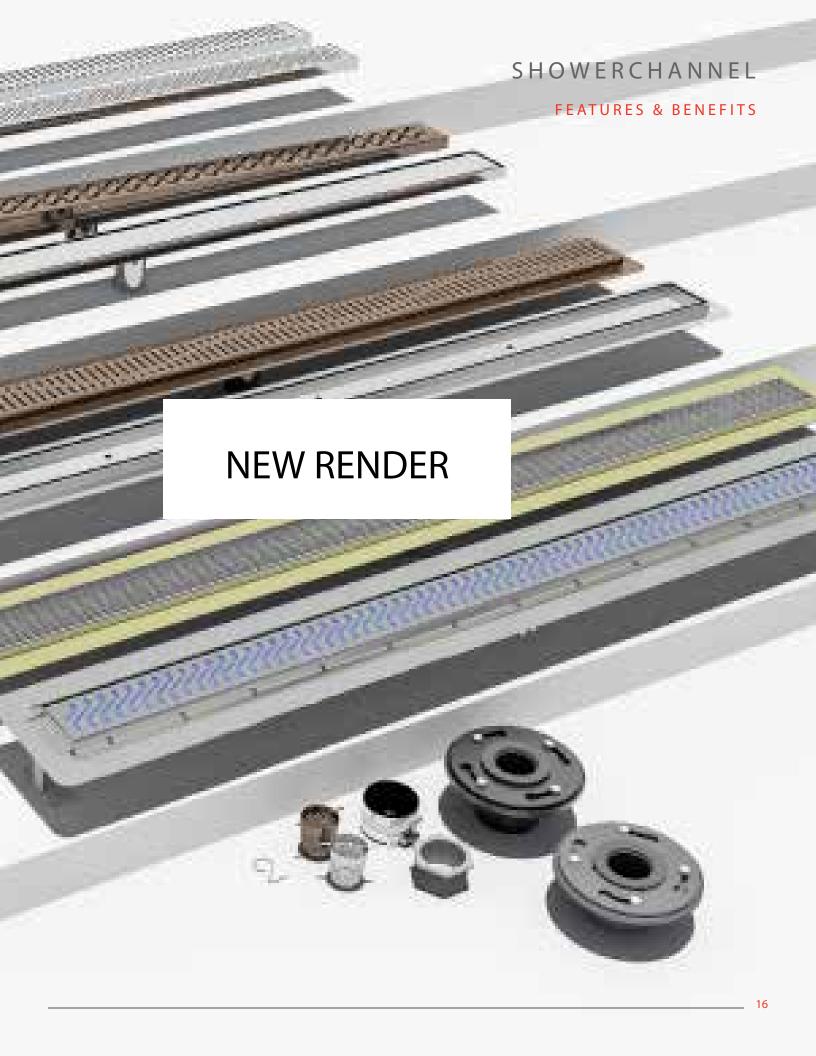


# SHOWERCHANNEL FEATURES & BENEFITS Channels available in six standard lengths, from 27 $\frac{1}{2}$ " (700 mm) to 55 $\frac{1}{8}$ " (1400 mm). Shower channel body to suit either CPE shower membrane, fabric membrane or painted membrane. Centrally located 2" (51 mm) stainless steel spigot outlet with optional debris strainer. End outlet channels are also available. Variety of 16 gauge - 0.06" (1.6mm) designer grates in all standard lengths with nylon alignment studs in the ends (except Tile, Solid & Linear), providing friction-fit locking. Lifting key provides easy removal. Available in either a polished, satin or oil-rubbed bronze finish. Discreet tile tray available to provide a subtle drain to match floor finish. Pipe connection options include standard drainage flange or compression fit coupling. Adjustable plastic feet included to support the channel during installation.



Optional water activated lighting available, allowing multiple custom colors.





# GRATE DESIGNS







Elegance in finish

QuARTz linear shower drain concentrate on 3 finishes to allow designers, and end users, to complement any bathroom design and style.

The well known, and traditional, polished stainless steel gives the time known shiny, chrome plate look familiar in bathrooms for more than 100 years. The understated, and fashionable, silver satin stainless steel gives a more discreet, smooth 'velvet' look and feel to the product.

Oil rubbed bronze gives the 'south west' desert inspiration look beloved by designers for the last 20 years. Inspired by Tuscan and ancient civilization this finish brings modern and old together.

For the subtle look match the surrounding floor with the drain by using the Tile inlay grate, or try the completely unique glass look!





WAVE

FINISH	LENGTH in (mm)	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	13.66 (88.2)	37342	1.7
	31.50 (800)	15.57 (100.5)	37343	1.9
	35.43 (900)	17.48 (112.8)	37344	2.1
	39.37 (1000)	19.39 (125.1)	37345	2.4
	47.24 (1200)	23.20 (149.7)	37346	2.9
	55.12 (1400)	27.01 (174.3)	37413	3.4
SATIN	27.56 (700)	13.66 (88.2)	37470	1.7
	31.50 (800)	15.57 (100.5)	37471	1.9
	35.43 (900)	17.48 (112.8)	37472	2.1
	39.37 (1000)	19.39 (125.1)	37473	2.4
	47.24 (1200)	23.20 (149.7)	37274	2.9
	55.12 (1400)	27.01 (174.3)	37475	3.4
OIL-RUBBED	27.56 (700)	13.66 (88.2)	37312	1.7
BRONZE	31.50 (800)	15.57 (100.5)	37321	1.9
	35.43 (900)	17.48 (112.8)	37308	2.1
	39.37 (1000)	19.39 (125.1)	37313	2.4
	47.24 (1200)	23.20 (149.7)	37302	2.9
	55.12 (1400)	27.01 (174.3)	37292	3.4

SLOT SIZE 0.16" (4 mm) max width

GRATE DESIGNS

# QUADRATO

#### LENGTH GRATE INTAKE WEIGHT **FINISH** PART # in (mm) sq in (sq cm) lbs POLISHED 27.56 (700) 15.39 (99.3) 37359 1.7 31.50 (800) 17.71 (114.3) 37360 1.9 35.43 (900) 20.03 (129.3) 37361 2.1 39.37 (1000) 22.35 (144.2) 37362 2.4 47.24 (1200) 26.68 (172.2) 37363 2.9 55.12 (1400) 31.01 (200.1) 37418 3.4 SATIN 27.56 (700) 15.39 (99.3) 37464 1.7 17.71 (114.3) 31.50 (800) 37465 1.9 35.43 (900) 20.03 (129.3) 37466 2.1 39.37 (1000) 22.35 (144.2) 37467 2.4 47.24 (1200) 26.68 (172.2) 37468 2.9 55.12 (1400) 31.01 (200.1) 37469 3.4 OIL-RUBBED 27.56 (700) 15.39 (99.3) 37317 1.7 BRONZE 31.50 (800) 17.71 (114.3) 37309 1.9 35.43 (900) 20.03 (129.3) 37303 2.1 39.37 (1000) 22.35 (144.2) 37320 2.4 47.24 (1200) 26.68 (172.2) 37307 2.9 55.12 (1400) 31.01 (200.1) 37297 3.4

SLOT SIZE 0.20" (5 mm) x 0.20" (5 mm)







# uuuuuuuuuuuuuu

FLAG

LENGTH GRATE INTAKE WEIGHT FINISH PART # in (mm) sq in (sq cm) lbs POLISHED 27.56 (700) 21.33 (137.7) 37369 1.6 31.50 (800) 25.10 (162.0) 37370 1.8 35.43 (900) 28.85 (186.2) 37371 2.1 39.37 (1000) 31.36 (202.4) 37372 2.2 47.24 (1200) 36.37 (234.7) 37373 2.8 55.12 (1400) 41.38 (267.0) 37417 3.4 SATIN 27.56 (700) 21.33 (137.7) 37364 1.6 31.50 (800) 25.10 (162.0) 37365 1.8 35.43 (900) 28.85 (186.2) 37366 2.1 39.37 (1000) 31.36 (202.4) 37367 2.2 47.24 (1200) 36.37 (234.7) 37368 2.8 55.12 (1400) 41.38 (267.0) 37376 3.4 OIL-RUBBED 27.56 (700) 21.33 (137.7) 37324 1.6 BRONZE 31.50 (800) 25.10 (162.0) 37306 1.8 35.43 (900) 28.85 (186.2) 37315 2.1 39.37 (1000) 31.36 (202.4) 37322 2.2 47.24 (1200) 36.37 (234.7) 37311 2.8 55.12 (1400) 41.38 (267.0) 37296 3.4

SLOT SIZE 0.28" (7 mm) max width

# GRATE DESIGNS



FINISH	LENGTH in (mm)	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	15.73 (101.5)	37398	1.7
	31.50 (800)	17.48 (112.8)	37399	1.9
	35.43 (900)	19.22 (124.0)	37400	2.1
	39.37 (1000)	22.72 (146.6)	37401	2.4
	47.24 (1200)	26.22 (169.2)	37402	2.9
	55.12 (1400)	29.72 (191.8)	37414	3.4
SATIN	27.56 (700)	15.73 (101.5)	37348	1.7
	31.50 (800)	17.48 (112.8)	37349	1.9
	35.43 (900)	19.22 (124.0)	37350	2.1
	39.37 (1000)	22.72 (146.6)	37351	2.4
	47.24 (1200)	26.22 (169.2)	37352	2.9
	55.12 (1400)	29.72 (191.8)	37347	3.4
OIL-RUBBED	27.56 (700)	15.73 (101.5)	37330	1.7
BRONZE	31.50 (800)	17.48 (112.8)	37314	1.9
	35.43 (900)	19.22 (124.0)	37305	2.1
	39.37 (1000)	22.72 (146.6)	37325	2.4
	47.24 (1200)	26.22 (169.2)	37318	2.9
	55.12 (1400)	29.72 (191.8)	37293	3.4

SLOT SIZE 0.20" (5 mm) max width







# X FINISH LENGTH in (mm) GRATE INTAKE sq in (sq cm) PART # WEIGHT lbs POLISHED 27.56 (700) 18.54 (119.7) 37403 1.7

FINISH	LENGTH in (mm)	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	18.54 (119.7)	37403	1.7
	31.50 (800)	20.88 (134.8)	37404	1.9
	35.43 (900)	23.56 (152.0)	37405	2.1
	39.37 (1000)	26.47 (170.8)	37406	2.4
	47.24 (1200)	27.71 (178.8)	37407	2.9
	55.12 (1400)	28.95 (186.8)	37415	3.4
SATIN	27.56 (700)	18.54 (119.7)	37353	1.7
	31.50 (800)	20.88 (134.8)	37354	1.9
	35.43 (900)	23.56 (152.0)	37355	2.1
	39.37 (1000)	26.47 (170.8)	37356	2.4
	47.24 (1200)	27.71 (178.8)	37357	2.9
	55.12 (1400)	28.95 (186.8)	37358	3.4
OIL-RUBBED	27.56 (700)	18.54 (119.7)	37301	1.7
BRONZE	31.50 (800)	20.88 (134.8)	37326	1.9
	35.43 (900)	23.56 (152.0)	37340	2.1
	39.37 (1000)	26.47 (170.8)	37319	2.4
	47.24 (1200)	27.71 (178.8)	37329	2.9
	55.12 (1400)	28.95 (186.8)	37294	3.4

SLOT SIZE 0.20" (5 mm) max width

# GRATE DESIGNS



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FINISH	LENGTH in (mm)	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	16.62 (107.2)	37450	1.7
	31.50 (800)	19.11 (123.3)	37451	1.9
	35.43 (900)	21.60 (139.4)	37452	2.1
	39.37 (1000)	24.09 (155.4)	37453	2.4
	47.24 (1200)	29.08 (187.6)	37454	2.9
	55.12 (1400)	34.89 (225.1)	37455	3.4
SATIN	27.56 (700)	16.62 (107.2)	37444	1.7
	31.50 (800)	19.11 (123.3)	37445	1.9
	35.43 (900)	21.60 (139.4)	37446	2.1
	39.37 (1000)	24.09 (155.4)	37447	2.4
	47.24 (1200)	29.08 (187.6)	37448	2.9
	55.12 (1400)	34.89 (225.1)	37449	3.4
OIL-RUBBED	27.56 (700)	16.62 (107.2)	37476	1.7
BRONZE	31.50 (800)	19.11 (123.3)	37477	1.9
	35.43 (900)	21.60 (139.4)	37478	2.1
	39.37 (1000)	24.09 (155.4)	37479	2.4
	47.24 (1200)	29.08 (187.6)	37480	2.9
	55.12 (1400)	34.89 (225.1)	37481	3.4

SLOT SIZE 0.16" (4 mm) max width





# SHOWERCHANNEL GRATE DESIGNS

LINEA

	FINISH*	LENGTH in (mm)	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
	POLISHED	27.56 (700)	21.33 (137.7)	37420	3.1
		31.50 (800)	25.10 (162.0)	37421	3.5
		35.43 (900)	28.85 (186.2)	37422	3.9
		39.37 (1000)	31.36 (202.4)	37423	4.3
		47.24 (1200)	36.37 (234.7)	37424	5.2
		55.12 (1400)	41.38 (267.0)	37425	6.1

SLOT SIZE 0.20" (5 mm) max width

<sup>\*</sup>satin and oil-rubbed bronze finishes not available

# GRATE DESIGNS



1	FINISH*	LENGTH in (mm)	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
-	POLISHED	27.56 (700)	13.66 (88.2)	37335	1.7
		31.50 (800)	15.57 (100.5)	37338	2.0
		35.43 (900)	17.48 (112.8)	37336	2.2
		39.37 (1000)	19.39 (125.1)	37334	2.5
		47.24 (1200)	23.20 (149.7)	37332	2.9
		55.12 (1400)	27.01 (174.3)	37419	3.3
	OIL-RUBBED BRONZE	27.56 (700)	13.66 (88.2)	37327	1.7
		31.50 (800)	15.57 (100.5)	37300	2.0
		35.43 (900)	17.48 (112.8)	37331	2.2
		39.37 (1000)	19.39 (125.1)	37323	2.5
		47.24 (1200)	23.20 (149.7)	37310	2.9
		55.12 (1400)	27.01 (174.3)	37298	3.3

SLOT SIZE 0.22" (6 mm) max width

\*satin finish not available







GRATE DESIGNS

SLOT SIZE 0.28" (7 mm) max width

\*1400 mm standard not available

LENGTH\*

in (mm)

27.56 (700)

31.50 (800)

35.43 (900)

39.37 (1000)

47.24 (1200)

27.56 (700)

31.50 (800)

35.43 (900)

39.37 (1000)

47.24 (1200)

27.56 (700)

31.50 (800)

35.43 (900)

39.37 (1000)

47.24 (1200)

**FINISH** 

BLACK

WHITE

GRAY

GRATE INTAKE

sq in (sq cm)

15.39 (99.3)

17.71 (114.3)

20.03 (129.3)

22.35 (144.2)

26.68 (172.2)

15.39 (99.3)

17.71 (114.3)

20.03 (129.3)

22.35 (144.2)

26.68 (172.2)

15.39 (99.3)

17.71 (114.3)

20.03 (129.3)

22.35 (144.2)

26.68 (172.2)

PART #

9010.56.67

9010.56.68

9010.56.69

9010.56.70

9010.56.71

9010.56.72

9010.56.73

9010.56.74

9010.56.75

9010.56.76

9010.56.77

9010.56.78

9010.56.79

9010.56.80

9010.56.81

GRATE DESIGNS

#### LENGTH in (mm) GRATE INTAKE sq in (sq cm) FINISH\* PART # WEIGHT lbs POLISHED 27.56 (700) 15.39 (99.3) 1.7 37476 31.50 (800) 17.71 (114.3) 37477 1.9 35.43 (900) 20.03 (129.3) 37478 2.2 39.37 (1000) 22.35 (144.2) 37479 2.5 47.24 (1200) 26.68 (172.2) 37480 2.9



**SLOT SIZE** 0.28" (7 mm) max width

<sup>\*</sup>satin and oil-rubbed bronze finishes not available





# SHOWERCHANNEL GRATE DESIGNS

# **SIGNATURE**

# Signature Custom Lettering\*

Upon request, personalized images or lettering can be engraved on the solid grate.

SLOT SIZE 0.28" (7 mm) max width

\*satin and oil-rubbed bronze finishes not available setup fee & minimum order apply

# CHANNEL OPTIONS

The showerchannel body is the unsung hero of the QuARTz linear showerdrain range.

Function is key. From bodies which seamlessly interact with fabric, or painted waterproof, membranes, to the traditional 'sit above' plain edge body with its attendant CPE flange connector - complete with ACO pioneered push-fit connection. The QuARTz showerchannel body can do it all.

Detail is not lost on the design. From levelling feet at each end of the body, to smooth, easy-to-clean outlet details, the ACO quality shines through.

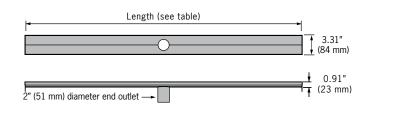




# PLAIN EDGE CHANNEL OPTIONS

### **PLAIN EDGE - CENTER OUTLET**

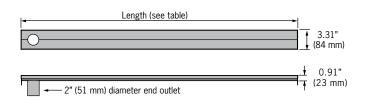
FINISH	LENGTH in (mm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	93861	2.5
	31.50 (800)	93864	2.6
	35.43 (900)	93865	3.0
	39.37 (1000)	93869	3.2
	47.24 (1200)	93872	3.7
	55.12 (1400)	93816	4.2
OIL-RUBBED	27.56 (700)	93180	2.5
BRONZE	31.50 (800)	93187	2.6
	35.43 (900)	93184	3.0
	39.37 (1000)	93189	3.2
	47.24 (1200)	93182	3.7
	55.12 (1400)	93177	4.2





# PLAIN EDGE - END OUTLET

FINISH	LENGTH in (mm)	PART#	WEIGHT lbs
POLISHED	27.56 (700)	91877	2.5
	31.50 (800)	91878	2.6
	35.43 (900)	91879	3.0
	39.37 (1000)	91880	3.2
	47.24 (1200)	91881	3.7
	55.12 (1400)	91882	4.2
OIL-RUBBED	27.56 (700)	91865	2.5
BRONZE	31.50 (800)	91866	2.6
	35.43 (900)	91867	3.0
	39.37 (1000)	91868	3.2
	47.24 (1200)	91869	3.7
	55.12 (1400)	91870	4.2



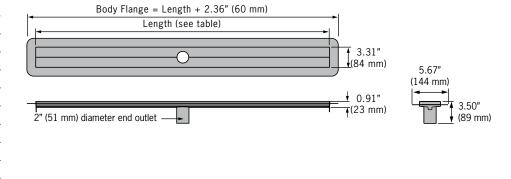


Note: Polished finish applied to bodies for ease of cleaning. When using LED lighting, this finish gives the greatest custom experience.

# FLANGE EDGE CHANNEL OPTIONS

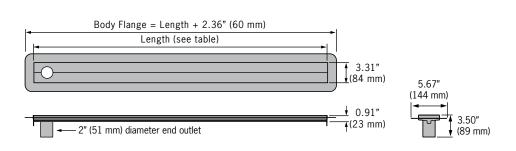
# FLANGE EDGE - CENTER OUTLET

FINISH	LENGTH in (mm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	93866	3.4
	31.50 (800)	93873	3.6
	35.43 (900)	93862	4.1
	39.37 (1000)	93870	4.5
	47.24 (1200)	93875	5.2
	55.12 (1400)	93817	5.9
OIL-RUBBED	27.56 (700)	93188	3.4
BRONZE	31.50 (800)	93181	3.6
	35.43 (900)	93183	4.1
	39.37 (1000)	93186	4.5
	47.24 (1200)	93185	5.2
	55.12 (1400)	93178	5.9



## FLANGE EDGE - END OUTLET

FINISH		PART#	WEIGHT lbs
POLISHED	27.56 (700)	91871	3.4
	31.50 (800)	91872	3.6
	35.43 (900)	91873	4.1
	39.37 (1000)	91874	4.5
	47.24 (1200)	91875	5.2
	55.12 (1400)	91876	5.9



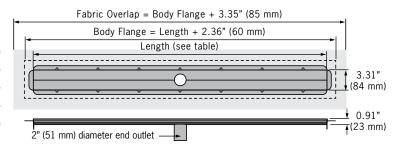
Note: Polished finish applied to bodies for ease of cleaning. When using LED lighting, this finish gives the greatest custom experience.



# FLANGE EDGE CHANNEL WITH FABRIC MEMBRANE OPTIONS

# FLANGE EDGE WITH FABRIC MEMBRANE & SECONDARY DRAINAGE - CENTER OUTLET

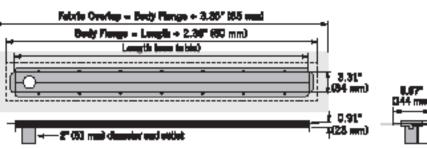
FINISH	LENGTH in (mm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	92179	3.6
	31.50 (800)	92180	3.8
	35.43 (900)	92181	4.3
	39.37 (1000)	92182	4.9
	47.24 (1200)	92183	5.5
	55.12 (1400)	92184	6.2





# FLANGE EDGE WITH FABRIC MEMBRANE& SECONDARY DRAINAGE - END OUTLET

FINISH	LENGTH in (mm)	PART #	WEIGHT lbs
POLISHED	27.56 (700)	92173	3.6
	31.50 (800)	92174	3.8
	35.43 (900)	92175	4.3
	39.37 (1000)	92176	4.9
	47.24 (1200)	92177	5.5
	55.12 (1400)	92178	6.2





Note: Polished finish applied to bodies for ease of cleaning. When using LED lighting, this finish gives the greatest custom experience.

# **ACCESSORIES**



PVC membrane fitting - typically used with plain body channel. Allows connection and clamping of a CPE flexible membrane with a compression fit.



Cast Iron membrane fitting – typically used with plain body channel. Allows connection and clamping of either a fabric or CPE membrane with a compression fit. Suitable when plastic fittings are considered a fire hazard. Push-fit and threaded units available.



Stainless steel clad flexible coupling - typically used with flange edge channel, where a fabric or painted membrane is applied. Stainless steel makes it suitable where plastic fittings are considered a fire hazard.



Debris strainer - sits inside the 2" diameter outlet to collect hair and debris. Note use of strainer will reduce flow performance of shower channel.

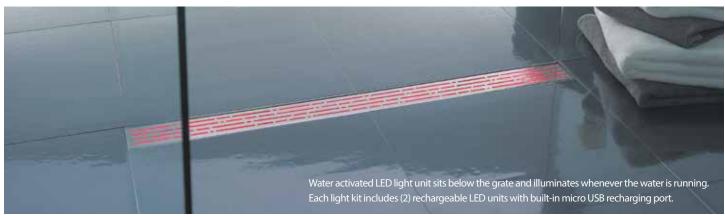
	DESCRIPTION	PART #	WEIGHT lbs
_	Debris strainer - polished steel	37381	0.1
	Debris strainer - oil rubbed bronze	37382	0.1
	PVC CPE membrane coupling	93871	1.1
	Cast Iron CPE membrane coupling	93808	4.7
	Cast Iron CPE membrane coupling (2" NPT Outlet)	93886	4.7
	Stainless steel clad coupling	93874	1.4



# ACCESSORIES





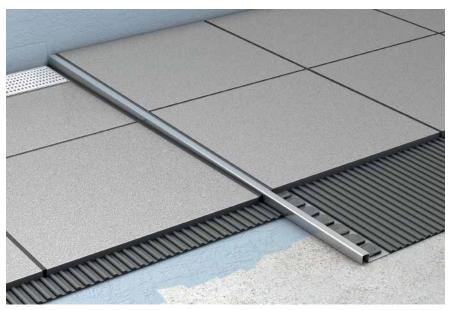


DESCRIPTION	PART #	WEIGHT lbs
LED light kit - red		1.5
LED light kit - green		1.5
LED light kit - blue		1.5
LED light kit - rainbow		1.5

# SHOWERSTEP

# ShowerStep

ShowerStep is a simple and elegant way to create a 2% slope within the shower floor. This preset slope creates a difference in height between the shower and the rest of the bathroom, allowing water to flow towards a drain installed along the wall.



Manufactured with 304 stainless steel, ShowerStep provides an attractive transition from bathroom to shower. Installation is simple, the transition protects the edges of the surrounding surfaces and a glass wall can be conveniently installed above the ShowerStep due to its 0.75" (20 mm) width.

	LENGTH in (mm)	HEIGHT (mm)	PART #
LEFT	58.67 (1490)	10-36	9010.72.41
		12.5-36	9010.72.42
		15-36	9010.72.43
	38.98 (990)	10-30	9010.72.44
		12.5-30	9010.72.45
		15-30	9010.72.46
RIGHT	58.67 (1490)	10-36	9010.72.47
		12.5-36	9010.72.48
		15-36	9010.72.49
	38.98 (990)	10-30	9010.72.50
		12.5-30	9010.72.51
		15-30	9010.72.52





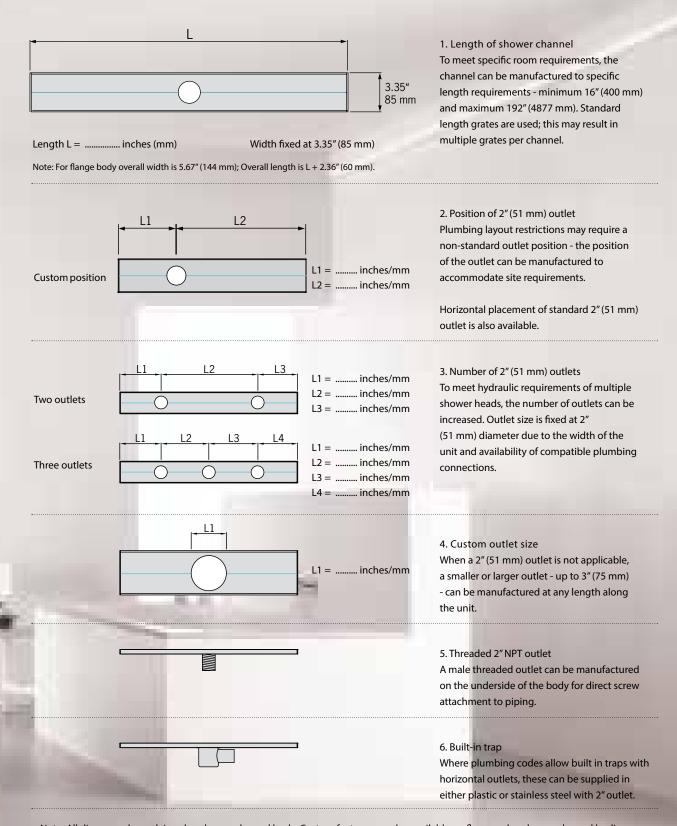


## **CUSTOM SOLUTIONS**

For projects where standard-sized channels are not suitable, customization is available to ensure the unit meets required performance criteria.



### CUSTOM SOLUTIONS



Note: All diagrams show plain-edge shower channel body. Custom features are also available on flange-edge shower channel bodies. Note: Custom channels are only available in electro-polished finish.

### HYDRAULIC PERFORMANCE

#### **Accumulation & Slopes**

CSA B79-08 (R2013) requires a 2" outlet for shower applications.

QuARTz ShowerChannel drains

have this as standard. The flow value for a 2" outlet varies depending upon the head of water above the grate. In the case of shower channels, a head of water is not typical in practice. Area drains can have a head of water due to the 'basin' profile of floor grades.

Flow values without any accumulation (head of water) should be used when shower channels are placed around the perimeter of the shower and no shower threshold step is used.

If the channel is installed against a wall or in a valley (2-way slope), there may be a small amount of water accumulation depending on the shower layout. The grade of shower floor will determine the depth of build-up.

#### **Outflow Performance**

The choice of shower channel generally depends on the flow values of the shower fitting. 70% of shower heads have a maximum capacity of less than 3 GPM.

The QuARTz shower drain standard channel has an outflow up to 13.50 GPM. This value assumes no head of water above drain.

Effect of Grate on **Outlet Flow Rates** (GPM)



















ACCUMULATION	
no accumulation	

۱	CHANNEL
	ONLY
า	13.50







11.90



QUADRATO









































## TECHNICAL & PLANNING CONSIDERATIONS



## Installation against the wall

Simple slope solution in one direction

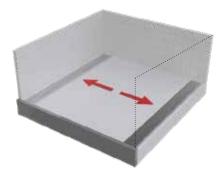
- slope away from the bathroom dry
- no risk of bypass



#### Installation at shower entrance

Slope in one direction, lowest at the shower entrance

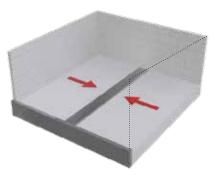
- possible risk of bypass
- slope of bathroom floor towards shower area is recommended to prevent bypass
- channel length should exactly fit the shower opening



#### Installation with two channels

Two directional slope towards the bathroom.

- ideal for very large shower areas
- can be used with barrier step



#### Installation with center channel

Two-directional slope towards the channel

- whole bathroom floor or just shower area can be sloped towards channel
- can be used with barrier step



### Installation with fabric membrane

- 1. Frame out shower surround.
- 2. Set top edge of shower channel slightly below finished tile level, support shower channel at required height and level.
- 3. Connect outlet to pipe work using 2" no-hub stainless coupler.
- 4. Pour concrete slurry into framed out void in concrete slab to height of flange on channel, grading 2% towards drain.
- 5. Install fabric membrane as specified. Fully covering concrete and flange of shower channel in accordance with manufacturer's instructions.
- 6. Apply thin set.
- 7. Lay tile and grout.
- 8. Install grate into shower channel.





- 2. Frame out shower surround as required.
- Connect base of flange outlet adaptor to pipe work, leaving drain bolts in place.Block drain opening with rag to prevent floor mortar from blocking pipe work.
- 4. Trowel mortar onto sub-floor, ensuring recommended 2% slope to drain.
- Install waterproofing membrane per manufacturer's recommendations. Seal membrane to PVC flange underneath.
- 6. Install top section of flange outlet adaptor.
- 7. Test membrane for leaks.
- 8. Position threaded, or rubber push-fit coupling in drain flange at correct position/height.
- Solvent weld shower channel spigot to threaded coupling, or push channel spigot into rubber coupling (using dish detergent to assist fit), at correct floor orientation and height.
- 10. Cut plastic installation feet to height to rest on the membrane and keep shower channel at required height and level.
- 11. Trowel mortar to required height, allow for thickness of tile and thinset mortar, grade to create minimum 2% slope towards drain.
- 12. After floor mortar has cured, apply thinset and install tile and grout.
- 13. Install grate.



SHOWERPOINT GALLERY









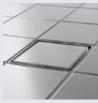




## FEATURES & BENEFITS



Drain bodies for standard grates are manufactured from chrome plated ABS plastic. Stainless steel edge frame to match grates.



Tile tray has 0.45" (11.5mm) recess to accommodate tile and mortar. Body and tray are manufactured from stainless steel.



Variety of locking or non-locking designer style 3/16" thick, grade 304 stainless steel grates.



Spring loaded turnkey lock on locking grates

- Place coin into slot and rotate clockwise to unlock, once released spring will eject grate.
- Lift grate with the key. To lock: reverse process.



Optional water activated LED light pack fits into a cavity in the drain body. Available in red, green, white and blue.



Supplied pipe connection with either threaded coupling attachment for membrane clamp, 2" no-hub adjustable coupling, or solvent weld connection.



Centrally located 2" stainless steel spigot outlet with optional debris strainer.





FEATURES & BENEFITS



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## GRATE & BODY DESIGNS: SHOWERPOINT

HAWAII



DESCRIPTION GRATE INTAKE sq in (sq cm)		PART #	WEIGHT lbs
LOCKING	6.2 (40.0)	37283	0.8
NON-LOCKING	6.2 (40.0)	37270	0.8



**SLOT SIZE** 0.24" (6 mm) max width QUADRATO

DESCRIPTION	GRATE INTAKE sq in (sq cm)	PART #	WEIGHT lbs
LOCKING	4.4 (28.4)	37281	0.9
NON-LOCKING	4.4 (28.4)	37268	0.9

**SLOT SIZE** 0.31" (8 mm) max width







DESCRIPTION GRATE INTAKE sq in (sq cm)		PART #	WEIGHT lbs	
LOCKING	6.7 (43.4)	37284	0.8	
NON-LOCKING	6.7 (43.4)	37271	0.8	

**SLOT SIZE** 0.22" (5.5mm) max width

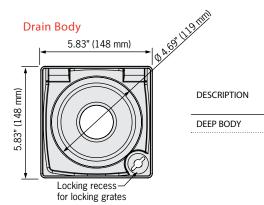




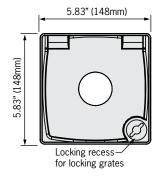


DESCRIPTION GRATE INTAKE sq in (sq cm)		PART #	WEIGHT lbs
LOCKING	9.4 (60.5)	37285	0.7
NON-LOCKING	9.4 (60.5)	37272	0.7

**SLOT SIZE** 0.24" (6 mm) max width



## Plastic Shallow Drain Body



WEIGHT

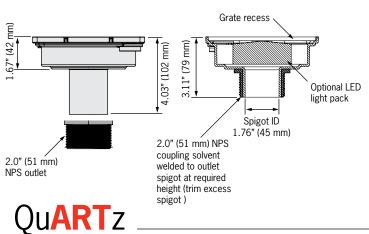
lbs

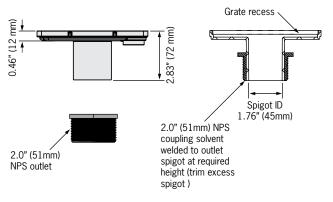
0.8

PART

37124

DESCRIPTION	PART #	WEIGHT lbs
SHALLOW BODY	37122	0.7





Note: Part #s include body and coupling

GRATE & BODY DESIGNS: SHOWERPOINT

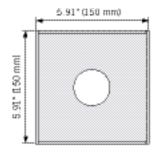


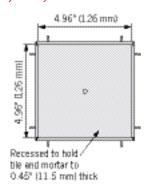
DESCRIPTION	GRATE INTAKE	PART	WEIGHT
	sq in (sq cm)	#	lbs
NON-LOCKING	5.0 (32.3)	37229	2.0

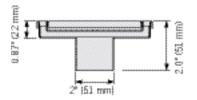
SLOT SIZE 0.33" (8.5 mm) max width

\*Tile tray and tile drain body are purchased as a set. Floor tile not included.

## Stainless Steel Tile Drain Body & Tray



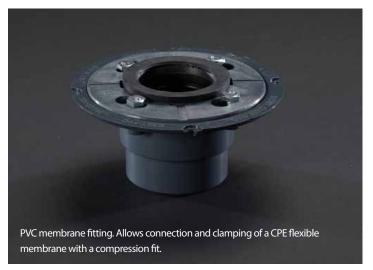




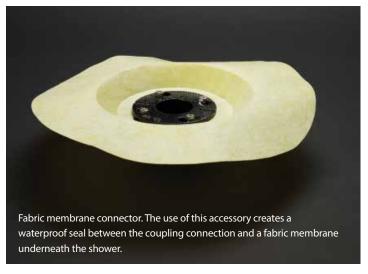
Note: Use CPE coupling PVC (93871) / cast iron (93808/93886) See Page  $53\,$ 



## **ACCESSORIES**









DESCRIPTION	PART #	WEIGHT lbs
Debris strainer - polished steel	37381	0.1
PVC CPE membrane coupling	93871	1.1
Cast Iron CPE membrane coupling	93808	4.7
Fabric membrane connector	92174	0.2



## ACCESSORIES







Water activated LED light unit sits below the grate and illuminates whenever the water is running. For use with deep body shower point only. Light kit includes (1) rechargeable LED pack and (1) 110v UL rated low voltage charger.

DESCRIPTION	PART #	WEIGHT lbs
White LED light kit	37251	0.5
Green LED light kit	37252	0.5
Blue LED light kit	37253	0.5
Red LED light kit	37254	0.5

### HYDRAULIC PERFORMANCE

#### **Accumulation & Slopes**

CSA B79-08 (R2013) requires a 2" outlet for shower applications.

Quartz ShowerPoint drains have this as standard. The flow value for a 2" outlet varies depending upon the

head of water above the grate.

Flow values with no, or minimal, accumulation (head of water) should be used when shower drain is placed within the general bathroom floor area.

If the shower drain is installed within the shower stall, there will be a head of water due to 'basin' profile of floor grades; amount of accumulation will vary depending on the layout of the shower area. The floor within the shower can be created with a steeper gradient and/or the shower may have a lip which will increase accumulation.

#### **Outflow Performance**

The choice of shower drain generally depends on the flow values of the shower head. 70% of shower heads have a maximum capacity of less than 3 GPM.

The QuARTz ShowerPoint drain unit has an outflow as shown below

Based upon these flow rates, QuARTz ShowerPoint drains can be used in conjunction with the majority of shower head fittings. Higher capacity shower heads will require multiple drains

Effect of Grate on
Outlet Flow Rates
(GPM)











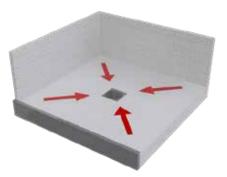
ACCUMULATION	HAWAII	QUADRATO	MIX	WAVE	TILE
no accumulation	14.3	9.5	12.7	17.4	





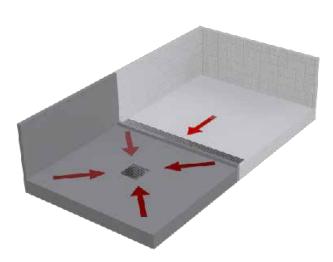


## TECHNICAL & PLANNING CONSIDERATIONS



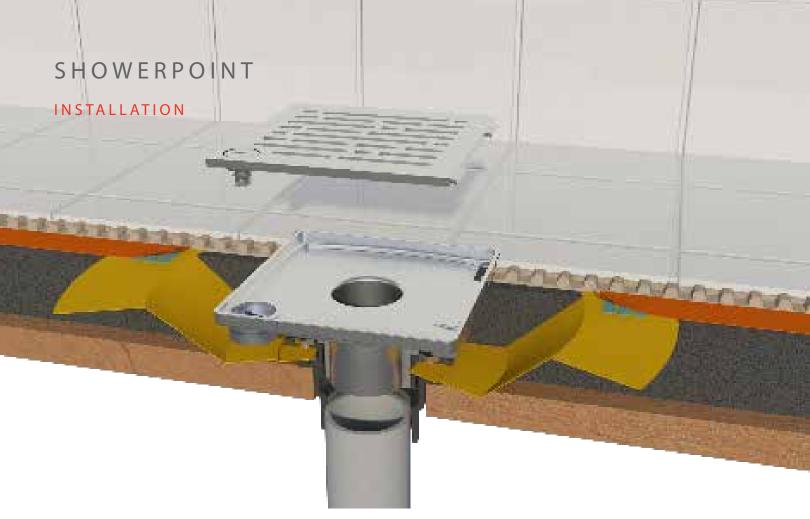
#### ShowerPoint within shower area

With a single ShowerPoint drain, floors must be graded appropriately or other barriers must be used to prevent flow of water into bathroom area.



## ShowerPoint within shower and bathroom areas

Multiple ShowerPoint drains can be positioned within both the shower and bathroom areas. ShowerPoint can be used as a secondary drainage point outside of the shower stall. Bathroom area ShowerPoint will also drain any spills or leaks from cleaning or other bathroom fixtures.



#### Installation with rubber liner membrane

- Where alterations to floor joists are necessary, consult Structural Engineer for advice and reinforce floor joists as advised.
- 2. Frame out shower surround as required.
- Connect base of drain flange to pipe work, leaving drain bolts in place. Block drain opening with rag to prevent floor mortar from blocking pipe work.
- 4. Connect drain flashing to the PVC drain flange. Seal drain flashing to base, but not to compression ring.
- 5. Trowel mortar to required height, allow for thickness of tile and thinset mortar, grade to create minimum 2% slope towards the drain.
- Install waterproofing membrane per manufacturer's recommendations. Seal membrane to PVC flange underneath.
- 7. Test membrane for leaks.
- 8. Position threaded, or rubber push-fit coupling in drain flange at correct position/height.
- Solvent weld point drain spigot to threaded coupling, or push point drain spigot into rubber coupling (using dish detergent to assist fit), at correct floor orientation and height.
- 10. Fill mortar inside the drain flashing around the drain. Protect weep holes on PVC drain flange from obstruction.







#### Installation with fabric membrane

- Where alterations to floor joists are necessary, consult Structural Engineer for advice and reinforce floor joists as advised.
- 2. Frame out shower surround as required.
- Connect base of drain flange to pipe work, leaving drain bolts in place. Block drain opening with rag to prevent floor mortar from blocking pipe work.
- 4. Trowel mortar onto sub-floor, ensuring recommended 2% slope to drain.
- Install waterproofing membrane per manufacturer's recommendations. Seal membrane to PVC flange underneath.
- 6. Install top section of drain flange.
- 7. Test membrane for leaks.
- 8. Position threaded, or rubber push-fit coupling in drain flange at correct position/ height.
- Solvent weld point drain spigot to threaded coupling, or push point drain spigot into rubber coupling (use dish detergent to assist fit), at correct floor orientation and height.
- 10. Trowel mortar to required height, allow for thickness of tile and thinset mortar, grade to create minimum 2% slope towards the drain.
- 11. After floor mortar has cured, apply thinset and install tile and grout.



1-2880 Brighton Rd. Oakville, ON L6H 5S3 Tel: (905) 829-0665 Fax: (905) 829-2908

info@acocan.ca www.quartzbyaco.ca









