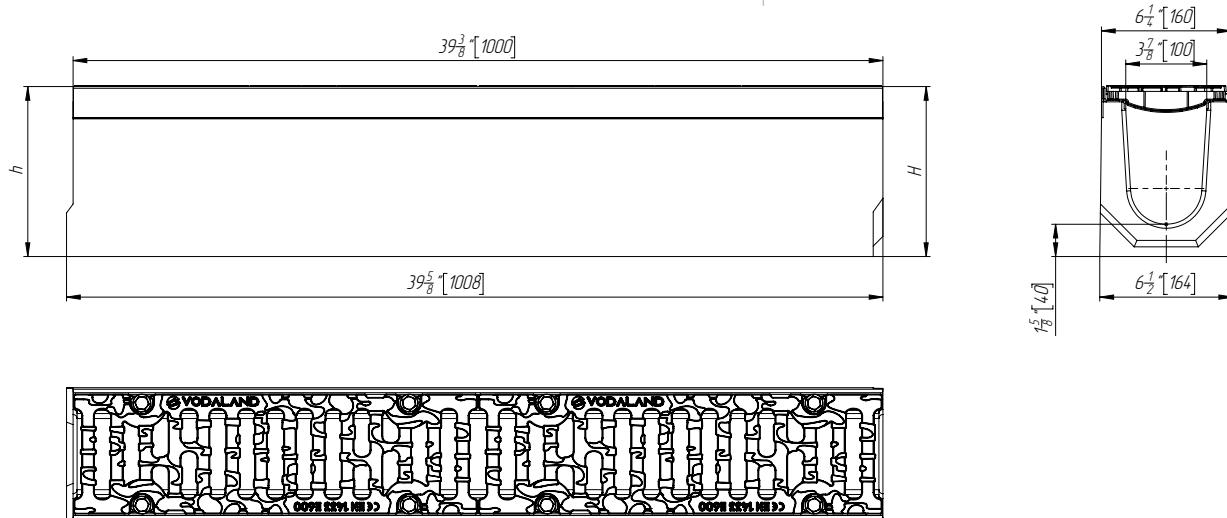


PRO 100FC SYSTEM - LOAD CLASS D400

4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN



General: The trench drain shall be Vodaland Canada PRO 100FC complete with grates as manufactured by Vodaland or approved equal.

Specification: Channels shall be 39.4" (1000mm) long and the nominal clear opening shall be 4" (100mm) with 6.3" (160mm) overall width and built-in slope of 0.5% or 1% per specifier's requirements. Channels shall have male-to-female interlocking joints. Gratings shall be ductile cast iron fastened to steel edge rails and meet system load class specified. Channels and grates shall withstand a required EN1433 load class.

Materials: PRO 100FC trench drain shall be manufactured from fiber reinforced concrete with cast-in galvanized steel edge rails.

Compressive strength:	> 45 Mpa
Flexural strength:	> 20 Mpa
Frost resistant:	Yes
Non Flammable:	Yes
UV Resistant:	Yes
Recyclable 100%:	Yes
Dilute acid and alkali resistant:	Yes
Material free of VOC, biocides, heavy metals:	Yes
Water absorption is sufficient for adhesion with concrete surfaces:	Yes

Notes:

1. See flow rate chart for channel flow rates.

PRO 100FC SYSTEM - LOAD CLASS D400
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
Neutral slope

Name	Item #	H, in	H, mm	W, lb
PRO 100FC trench drain H4.7"	040071334/120	4.7	120	85.2
PRO 100FC trench drain H4.9"	040071334/125	4.9	125	86.7
PRO 100FC trench drain H5.1"	040071334/130	5.1	130	88.2
PRO 100FC trench drain H5.3"	040071334/135	5.3	135	89.7
PRO 100FC trench drain H5.5"	040071334/140	5.5	140	91.2
PRO 100FC trench drain H5.7"	040071334/145	5.7	145	92.7
PRO 100FC trench drain H5.9"	040071334/150	5.9	150	94.2
PRO 100FC trench drain H6.1"	040071334/334	6.1	334	95.7
PRO 100FC trench drain H6.3"	040071334/160	6.3	160	97.2
PRO 100FC trench drain H6.5"	040071334/165	6.5	165	98.7
PRO 100FC trench drain H6.7"	040071334/170	6.7	170	100.2
PRO 100FC trench drain H6.9"	040071334/175	6.9	175	101.7
PRO 100FC trench drain H7.1"	040071334/180	7.1	180	103.2
PRO 100FC trench drain H7.3"	040071334/185	7.3	185	104.7
PRO 100FC trench drain H7.5"	040071334/190	7.5	190	106.2
PRO 100FC trench drain H7.7"	040071334/195	7.7	195	107.7
PRO 100FC trench drain H7.9"	040071334/200	7.9	200	109.2
PRO 100FC trench drain H8.1"	040071334/205	8.1	205	110.7
PRO 100FC trench drain H8.3"	040071334/210	8.3	210	112.2
PRO 100FC trench drain H8.5"	040071334/215	8.5	215	113.7
PRO 100FC trench drain H8.7"	040071334/220	8.7	220	115.2
PRO 100FC trench drain H8.9"	040071334/225	8.9	225	116.7
PRO 100FC trench drain H9.1"	040071334/230	9.1	230	118.2

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS D400
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
0.5% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 100FC trench drain H4.9"-4.7"	040071334/125-120	4.9	125	4.7	120	82.3
PRO 100FC trench drain H5.1"-4.9"	040071334/130-125	5.1	130	4.9	125	84.0
PRO 100FC trench drain H5.3"-5.1"	040071334/135-130	5.3	135	5.1	130	85.7
PRO 100FC trench drain H5.5"-5.3"	040071334/140-135	5.5	140	5.3	135	87.3
PRO 100FC trench drain H5.7"-5.5"	040071334/145-140	5.7	145	5.5	140	89.0
PRO 100FC trench drain H5.9"-5.7"	040071334/150-145	5.9	150	5.7	145	90.7
PRO 100FC trench drain H6.1"-5.9"	040071334/155-150	6.1	155	5.9	150	92.4
PRO 100FC trench drain H6.3"-6.1"	040071334/160-155	6.3	160	6.1	155	94.1
PRO 100FC trench drain H6.5"-6.3"	040071334/165-160	6.5	165	6.3	160	96.4
PRO 100FC trench drain H6.7"-6.5"	040071334/170-165	6.7	170	6.5	165	97.9
PRO 100FC trench drain H6.9"-6.7"	040071334/175-170	6.9	175	6.7	170	99.4
PRO 100FC trench drain H7.1"-6.9"	040071334/180-175	7.1	180	6.9	175	100.9
PRO 100FC trench drain H7.3"-7.1"	040071334/185-180	7.3	185	7.1	180	102.4
PRO 100FC trench drain H7.5"-7.3"	040071334/190-185	7.5	190	7.3	185	103.9
PRO 100FC trench drain H7.7"-7.5"	040071334/195-190	7.7	195	7.5	190	105.4
PRO 100FC trench drain H7.9"-7.7"	040071334/200-195	7.9	200	7.7	195	107.0
PRO 100FC trench drain H8.1"-7.9"	040071334/205-200	8.1	205	7.9	200	108.5
PRO 100FC trench drain H8.3"-8.1"	040071334/210-205	8.3	210	8.1	205	110.0
PRO 100FC trench drain H8.5"-8.3"	040071334/215-210	8.5	215	8.3	210	111.8
PRO 100FC trench drain H8.7"-8.5"	040071334/220-215	8.7	220	8.5	215	113.3
PRO 100FC trench drain H8.9"-8.7"	040071334/225-220	8.9	225	8.7	220	114.8
PRO 100FC trench drain H9.1"-8.9"	040071334/230-225	9.1	230	8.9	225	116.3

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS D400

4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN

1% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 100FC trench drain H5.1"-4.7"	040071334/130-120	5.1	130	4.7	120	84.0
PRO 100FC trench drain H5.5"-5.1"	040071334/140-130	5.5	140	5.1	130	87.3
PRO 100FC trench drain H5.9"-5.5"	040071334/150-140	5.9	150	5.5	140	90.7
PRO 100FC trench drain H6.3"-5.9"	040071334/160-150	6.3	160	5.9	150	94.1
PRO 100FC trench drain H6.7"-6.3"	040071334/170-160	6.7	170	6.3	160	97.9
PRO 100FC trench drain H7.1"-6.7"	040071334/180-170	7.1	180	6.7	170	100.9
PRO 100FC trench drain H7.5"-7.1"	040071334/190-180	7.5	190	7.1	180	103.9
PRO 100FC trench drain H7.9"-7.5"	040071334/200-190	7.9	200	7.5	190	107
PRO 100FC trench drain H8.3"-7.9"	040071334/210-200	8.3	210	7.9	200	110.0
PRO 100FC trench drain H8.7"-8.3"	040071334/220-210	8.7	220	8.3	210	113.3
PRO 100FC trench drain H9.1"-8.7"	040071334/230-220	9.1	230	8.7	220	116.3

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS D400
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
Flow rate chart, 1% slope

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
040071334/160	41.69	69.42	2.63	4.38
040071334/210	74.02	117.13	4.67	7.39

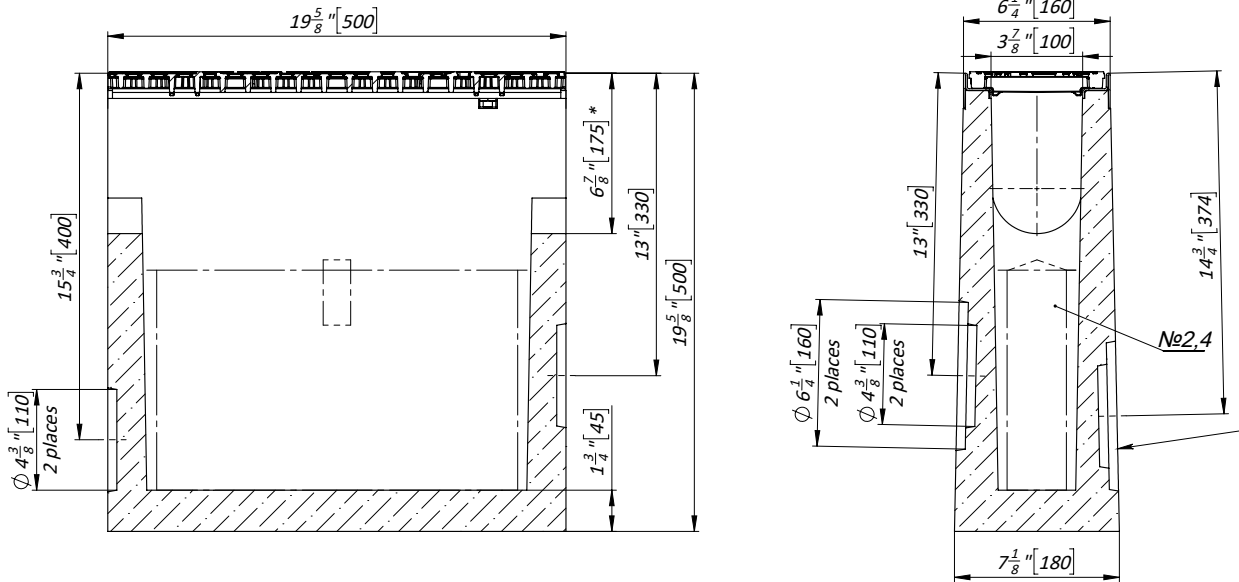
Flow rate chart, 0.5% slope

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
040071334/160	41.69	69.42	2.63	4.38
040071334/210	74.02	117.13	4.67	7.39

REVISED: 2024

PRO 100FC SYSTEM - LOAD CLASS D400

4" (100mm) PRO FIBER CONCRETE INLINE CATCH BASIN



General: The Inline catch basin shall be Vodaland Canada PRO 100FC complete with grates as manufactured by Vodaland or approved equal.

Specification: PRO 100FC Inline Catch Basin shall be 19.7" (500mm) long and the nominal clear opening shall be 4" (100mm) with 7.4" (187mm) overall width. Gratings shall be ductile cast iron fastened to steel edge rails and meet system load class specified. Channels and grates shall withstand a required EN1433 load class.

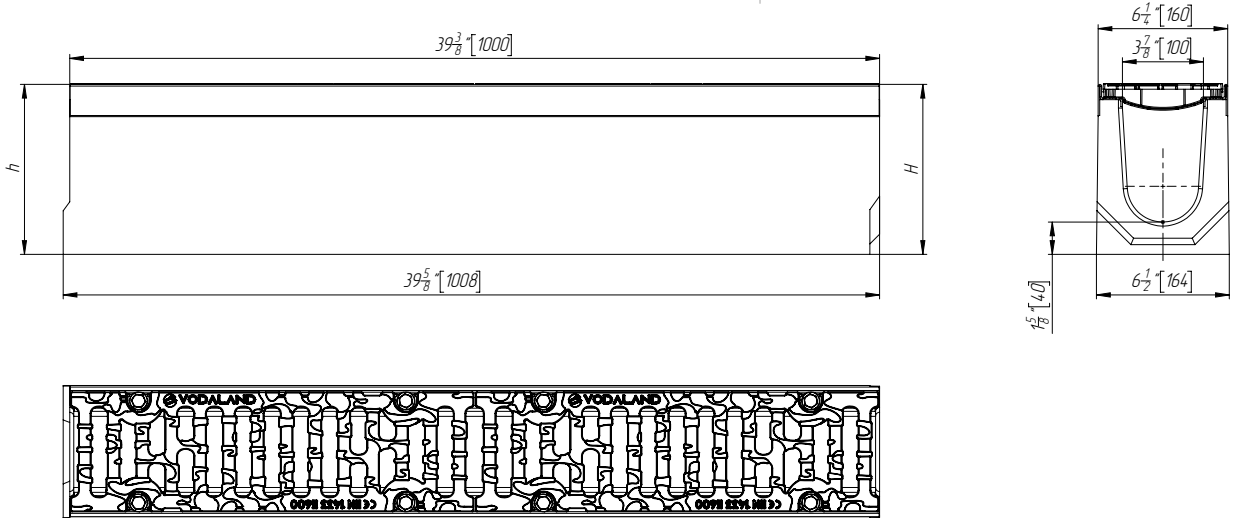
Materials: PRO 100FC Catch Basin shall be manufactured from fiber reinforced concrete with cast-in galvanized steel edge rails.

Compressive strength:	> 45 Mpa
Flexural strength:	> 20 Mpa
Frost resistant:	Yes
Non Flammable:	Yes
UV Resistant:	Yes
Recyclable 100%:	Yes
Dilute acid and alkali resistant:	Yes
Material free of VOC, biocides, heavy metals:	Yes
Water absorption is sufficient for adhesion with concrete surfaces:	Yes

Name	Article	H, in	H, mm	W, lb
PRO 100FC inline catch basin	4087334	19.69	500	129.9
PRO 100FC inline catch basin w/ basket	04087334-K	19.69	500	131.2
PRO 100FC inline catch basin w/ outlet	04087334-P160	19.69	500	126
PRO 100FC inline catch basin w/ basket & w/outlet	04087334-P160-K	19.69	500	127.7

PRO 100FC SYSTEM - LOAD CLASS E600

4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN



General: The trench drain shall be Vodaland Canada PRO 100FC complete with grates as manufactured by Vodaland or approved equal.

Specification: Channels shall be 39.4" (1000mm) long and the nominal clear opening shall be 4" (100mm) with 6.3" (160mm) overall width and built-in slope of 0.5% or 1% per specifier's requirements. Channels shall have male-to-female interlocking joints. Gratings shall be ductile cast iron fastened to steel edge rails and meet system load class specified. Channels and grates shall withstand a required EN1433 load class.

Materials: PRO 100FC trench drain shall be manufactured from fiber reinforced concrete with cast-in galvanized steel edge rails.

Compressive strength:	> 45 Mpa
Flexural strength:	> 20 Mpa
Frost resistant:	Yes
Non Flammable:	Yes
UV Resistant:	Yes
Recyclable 100%:	Yes
Dilute acid and alkali resistant:	Yes
Material free of VOC, biocides, heavy metals:	Yes
Water absorption is sufficient for adhesion with concrete surfaces:	Yes

Notes:

1. See flow rate chart for channel flow rates.

PRO 100FC SYSTEM - LOAD CLASS E600
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
Neutral slope

Name	Item #	H, in	H, mm	W, lb
PRO 100FC trench drain H4.7"	04007155/120	4.7	120	92.6
PRO 100FC trench drain H4.9"	04007155/125	4.9	125	94.1
PRO 100FC trench drain H5.1"	04007155/130	5.1	130	95.6
PRO 100FC trench drain H5.3"	04007155/135	5.3	135	97.1
PRO 100FC trench drain H5.5"	04007155/140	5.5	140	98.6
PRO 100FC trench drain H5.7"	04007155/145	5.7	145	100.1
PRO 100FC trench drain H5.9"	04007155/150	5.9	150	101.6
PRO 100FC trench drain H6.1"	04007155/155	6.1	155	103.1
PRO 100FC trench drain H6.3"	04007155/160	6.3	160	104.6
PRO 100FC trench drain H6.5"	04007155/165	6.5	165	106.1
PRO 100FC trench drain H6.7"	04007155/170	6.7	170	107.6
PRO 100FC trench drain H6.9"	04007155/175	6.9	175	109.1
PRO 100FC trench drain H7.1"	04007155/180	7.1	180	110.6
PRO 100FC trench drain H7.3"	04007155/185	7.3	185	112.1
PRO 100FC trench drain H7.5"	04007155/190	7.5	190	113.6
PRO 100FC trench drain H7.7"	04007155/195	7.7	195	115.1
PRO 100FC trench drain H7.9"	04007155/200	7.9	200	116.6
PRO 100FC trench drain H8.1"	04007155/205	8.1	205	118.1
PRO 100FC trench drain H8.3"	04007155/210	8.3	210	119.6
PRO 100FC trench drain H8.5"	04007155/215	8.5	215	121.1
PRO 100FC trench drain H8.7"	04007155/220	8.7	220	122.6
PRO 100FC trench drain H8.9"	04007155/225	8.9	225	124.0
PRO 100FC trench drain H9.1"	04007155/230	9.1	230	125.5

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS E600
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
0.5% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 100FC trench drain H4.9"-4.7"	04007155/125-120	4.9	125	4.7	120	92.3
PRO 100FC trench drain H5.1"-4.9"	04007155/130-125	5.1	130	4.9	125	93.8
PRO 100FC trench drain H5.3"-5.1"	04007155/135-130	5.3	135	5.1	130	95.3
PRO 100FC trench drain H5.5"-5.3"	04007155/140-135	5.5	140	5.3	135	96.8
PRO 100FC trench drain H5.7"-5.5"	04007155/145-140	5.7	145	5.5	140	98.3
PRO 100FC trench drain H5.9"-5.7"	04007155/150-145	5.9	150	5.7	145	99.8
PRO 100FC trench drain H6.1"-5.9"	04007155/155-150	6.1	155	5.9	150	101.3
PRO 100FC trench drain H6.3"-6.1"	04007155/160-155	6.3	160	6.1	155	102.8
PRO 100FC trench drain H6.5"-6.3"	04007155/165-160	6.5	165	6.3	160	104.3
PRO 100FC trench drain H6.7"-6.5"	04007155/170-165	6.7	170	6.5	165	105.8
PRO 100FC trench drain H6.9"-6.7"	04007155/175-170	6.9	175	6.7	170	107.3
PRO 100FC trench drain H7.1"-6.9"	04007155/180-175	7.1	180	6.9	175	108.8
PRO 100FC trench drain H7.3"-7.1"	04007155/185-180	7.3	185	7.1	180	110.3
PRO 100FC trench drain H7.5"-7.3"	04007155/190-185	7.5	190	7.3	185	111.8
PRO 100FC trench drain H7.7"-7.5"	04007155/195-190	7.7	195	7.5	190	113.3
PRO 100FC trench drain H7.9"-7.7"	04007155/200-195	7.9	200	7.7	195	114.8
PRO 100FC trench drain H8.1"-7.9"	04007155/205-200	8.1	205	7.9	200	116.3
PRO 100FC trench drain H8.3"-8.1"	04007155/210-205	8.3	210	8.1	205	117.8
PRO 100FC trench drain H8.5"-8.3"	04007155/215-210	8.5	215	8.3	210	119.3
PRO 100FC trench drain H8.7"-8.5"	04007155/220-215	8.7	220	8.5	215	120.8
PRO 100FC trench drain H8.9"-8.7"	04007155/225-220	8.9	225	8.7	220	122.3
PRO 100FC trench drain H9.1"-8.9"	04007155/230-225	9.1	230	8.9	225	123.7

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS E600
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
1% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 100FC trench drain H5.1"-4.7"	04007155/130-120	5.1	130	4.7	120	93.3
PRO 100FC trench drain H5.5"-5.1"	04007155/140-130	5.5	140	5.1	130	96.1
PRO 100FC trench drain H5.9"-5.5"	04007155/150-140	5.9	150	5.5	140	99.2
PRO 100FC trench drain H6.3"-5.9"	04007155/160-150	6.3	160	5.9	150	102.1
PRO 100FC trench drain H6.7"-6.3"	04007155/170-160	6.7	170	6.3	160	105.2
PRO 100FC trench drain H7.1"-6.7"	04007155/180-170	7.1	180	6.7	170	108.2
PRO 100FC trench drain H7.5"-7.1"	04007155/190-180	7.5	190	7.1	180	111.1
PRO 100FC trench drain H7.9"-7.5"	04007155/200-190	7.9	200	7.5	190	114.2
PRO 100FC trench drain H8.3"-7.9"	04007155/210-200	8.3	210	7.9	200	117.0
PRO 100FC trench drain H8.7"-8.3"	04007155/220-210	8.7	220	8.3	210	120.1
PRO 100FC trench drain H9.1"-8.7"	04007155/230-220	9.1	230	8.7	220	123.2

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS E600**4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN****Flow rate chart, 1% slope**

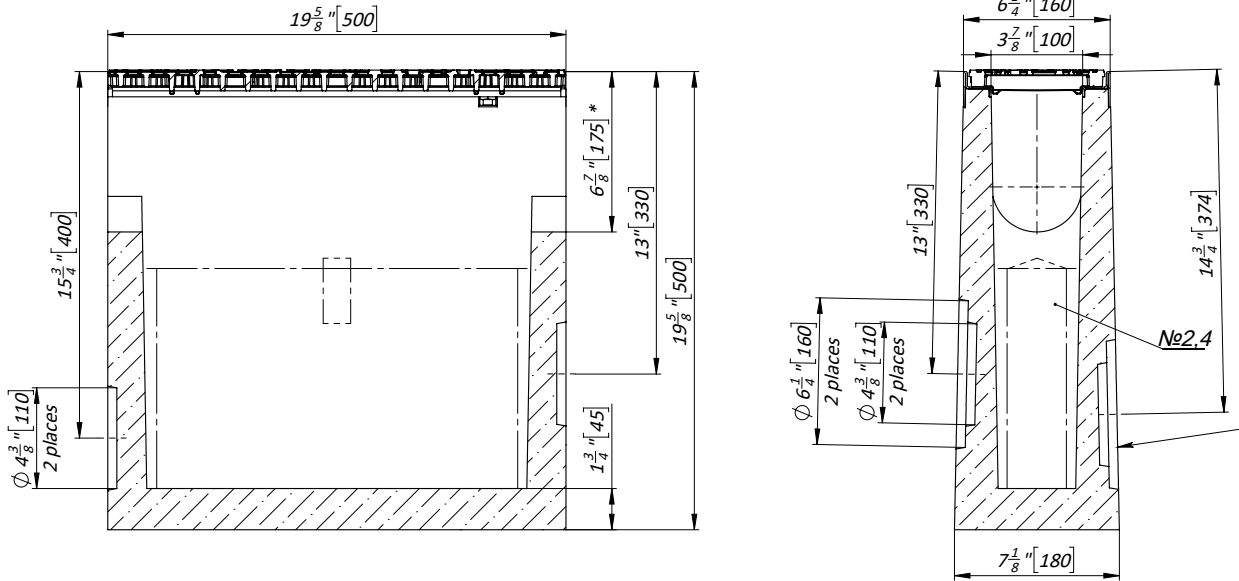
Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
040071334/160	41.69	69.42	2.63	4.38
040071334/210	74.02	117.13	4.67	7.39

Flow rate chart, 0.5% slope

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
040071334/160	41.69	69.42	2.63	4.38
040071334/210	74.02	117.13	4.67	7.39

PRO 100FC SYSTEM - LOAD CLASS E600

4" (100mm) PRO FIBER CONCRETE INLINE CATCH BASIN



General: The Inline catch basin shall be Vodaland Canada PRO 100FC complete with grates as manufactured by Vodaland or approved equal.

Specification: Catch Basin shall be 19.7" (500mm) long and the nominal clear opening shall be 4" (100mm) with 7.4" (187mm) overall width. Gratings shall be ductile cast iron fastened to steel edge rails and meet system load class specified. Channels and grates shall withstand a required EN1433 load class.

Materials: PRO 100FC Catch basin shall be manufactured from fiber reinforced concrete with cast-in galvanized steel edge rails.

Compressive strength:	> 45 Mpa
Flexural strength:	> 20 Mpa
Frost resistant:	Yes
Non Flammable:	Yes
UV Resistant:	Yes
Recyclable 100%:	Yes
Dilute acid and alkali resistant:	Yes
Material free of VOC, biocides, heavy metals:	Yes
Water absorption is sufficient for adhesion with concrete surfaces:	Yes

Description

Name	Article	H, in	H, mm	W, lb
PRO 100FC inline catch basin w/ basket	04087155-K	19.69	500	126.7