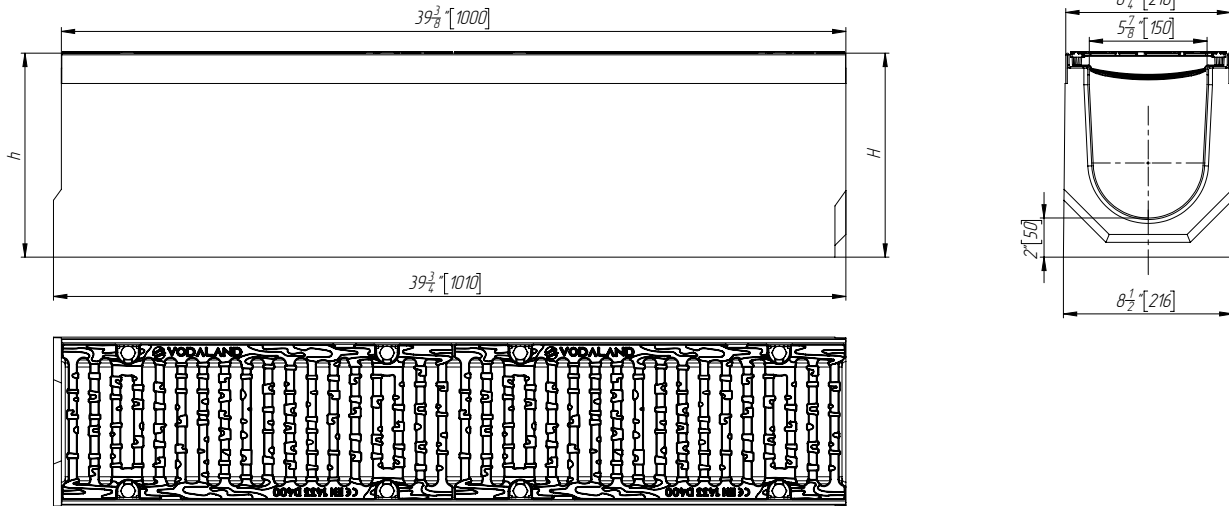


**PRO 150FC SYSTEM - LOAD CLASS D400**

**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**



**General:** The trench drain shall be Vodaland Canada PRO 150FC 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 6" (150mm) with 8.3" (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 150FC 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 150%:	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 150FC SYSTEM - LOAD CLASS D400**

**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**

**Neutral slope**

Name	Item #	H, in	H, mm	W, lb
PRO 150FC trench drain H6.1"	042071334/155	6.1	155	127.0
PRO 150FC trench drain H6.3"	042071334/160	6.3	160	128.8
PRO 150FC trench drain H6.5"	042071334/165	6.5	165	131.0
PRO 150FC trench drain H6.7"	042071334/170	6.7	170	132.7
PRO 150FC trench drain H6.9"	042071334/175	6.9	175	134.4
PRO 150FC trench drain H7.1"	042071334/180	7.1	180	136.1
PRO 150FC trench drain H7.3"	042071334/185	7.3	185	137.7
PRO 150FC trench drain H7.5"	042071334/190	7.5	190	139.4
PRO 150FC trench drain H7.7"	042071334/195	7.7	195	141.1
PRO 150FC trench drain H7.9"	042071334/200	7.9	200	142.8
PRO 150FC trench drain H8.1"	042071334/205	8.1	205	144.4
PRO 150FC trench drain H8.3"	042071334/210	8.3	210	146.1
PRO 150FC trench drain H8.5"	042071334/215	8.5	215	148.1
PRO 150FC trench drain H8.7"	042071334/220	8.7	220	149.7
PRO 150FC trench drain H8.9"	042071334/225	8.9	225	151.2
PRO 150FC trench drain H9.1"	042071334/230	9.1	230	152.8
PRO 150FC trench drain H9.3"	042071334/235	9.3	235	154.3
PRO 150FC trench drain H9.4"	042071334/240	9.4	240	155.8
PRO 150FC trench drain H9.6"	042071334/245	9.6	245	157.4
PRO 150FC trench drain H9.8"	042071334/250	9.8	250	158.9
PRO 150FC trench drain H10.0"	042071334/255	10.0	255	160.5
PRO 150FC trench drain H10.2"	042071334/260	10.2	260	162.0
PRO 150FC trench drain H10.4"	042071334/265	10.4	265	163.8
PRO 150FC trench drain H10.6"	042071334/270	10.6	270	165.3
PRO 150FC trench drain H10.8"	042071334/275	10.8	275	166.8
PRO 150FC trench drain H11.0"	042071334/280	11.0	280	168.3
PRO 150FC trench drain H11.2"	042071334/285	11.2	285	169.8
PRO 150FC trench drain H11.4"	042071334/290	11.4	290	171.3
PRO 150FC trench drain H11.6"	042071334/295	11.6	295	172.8
PRO 150FC trench drain H11.8"	042071334/300	11.8	300	174.3
PRO 150FC trench drain H12.0"	042071334/305	12.0	305	175.3
PRO 150FC trench drain H12.2"	042071334/310	12.2	310	177.3

**PRO 150FC SYSTEM - LOAD CLASS D400**
**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**
**0.5% slope**

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 150FC trench drain H6.1"-5.9"	042071334/155-150	6.1	155	5.9	150	135.3
PRO 150FC trench drain H6.3"-6.1"	042071334/160-155	6.3	160	6.1	155	136.6
PRO 150FC trench drain H6.5"-6.3"	042071334/165-160	6.5	165	6.3	160	137.8
PRO 150FC trench drain H6.7"-6.5"	042071334/170-165	6.7	170	6.5	165	139.0
PRO 150FC trench drain H6.9"-6.7"	042071334/175-170	6.9	175	6.7	170	140.3
PRO 150FC trench drain H7.1"-6.9"	042071334/180-175	7.1	180	6.9	175	141.5
PRO 150FC trench drain H7.3"-7.1"	042071334/185-180	7.3	185	7.1	180	142.7
PRO 150FC trench drain H7.5"-7.3"	042071334/190-185	7.5	190	7.3	185	144.0
PRO 150FC trench drain H7.7"-7.5"	042071334/195-190	7.7	195	7.5	190	145.2
PRO 150FC trench drain H7.9"-7.7"	042071334/200-195	7.9	200	7.7	195	146.4
PRO 150FC trench drain H8.1"-7.9"	042071334/205-200	8.1	205	7.9	200	147.7
PRO 150FC trench drain H8.3"-8.1"	042071334/210-205	8.3	210	8.1	205	148.9
PRO 150FC trench drain H8.5"-8.3"	042071334/215-210	8.5	215	8.3	210	150.1
PRO 150FC trench drain H8.7"-8.5"	042071334/220-215	8.7	220	8.5	215	151.4
PRO 150FC trench drain H8.9"-8.7"	042071334/225-220	8.9	225	8.7	220	152.6
PRO 150FC trench drain H9.1"-8.9"	042071334/230-225	9.1	230	8.9	225	153.8
PRO 150FC trench drain H9.3"-9.1"	042071334/235-230	9.3	235	9.1	230	155.1
PRO 150FC trench drain H9.4"-9.3"	042071334/240-235	9.4	240	9.3	235	156.3
PRO 150FC trench drain H9.6"-9.4"	042071334/245-240	9.6	245	9.4	240	157.5
PRO 150FC trench drain H9.8"-9.6"	042071334/250-245	9.8	250	9.6	245	158.8
PRO 150FC trench drain H10.0"-9.8"	042071334/255-250	10.0	255	9.8	250	160.0
PRO 150FC trench drain H10.2"-10.0"	042071334/260-255	10.2	260	10.0	255	161.2
PRO 150FC trench drain H10.4"-10.2"	042071334/265-260	10.4	265	10.2	260	162.9
PRO 150FC trench drain H10.6"-10.4"	042071334/270-265	10.6	270	10.4	265	164.4
PRO 150FC trench drain H10.8"-10.6"	042071334/275-270	10.8	275	10.6	270	165.9
PRO 150FC trench drain H11.0"-10.8"	042071334/280-275	11.0	280	10.8	275	167.4
PRO 150FC trench drain H11.2"-11.0"	042071334/285-280	11.2	285	11.0	280	168.9
PRO 150FC trench drain H11.4"-11.2"	042071334/290-285	11.4	290	11.2	285	170.5
PRO 150FC trench drain H11.6"-11.4"	042071334/295-290	11.6	295	11.4	290	172.0
PRO 150FC trench drain H11.8"-11.6"	042071334/300-295	11.8	300	11.6	295	173.5
PRO 150FC trench drain H12.0"-11.8"	042071334/305-300	12.0	305	11.8	300	175.0
PRO 150FC trench drain H12.2"-12.0"	042071334/310-305	12.2	310	12.0	305	176.5

**REVISED: 2024**

**PRO 150FC SYSTEM - LOAD CLASS D400**

**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**

**1% slope**

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 150FC trench drain H6.3"-5.9"	42071334/160-150	6.3	160	5.9	150	136.6
PRO 150FC trench drain H6.7"-6.3"	42071334/170-160	6.7	170	6.3	160	139.0
PRO 150FC trench drain H7.1"-6.7"	42071334/180-170	7.1	180	6.7	170	141.5
PRO 150FC trench drain H7.5"-7.1"	42071334/190-180	7.5	190	7.1	180	144.0
PRO 150FC trench drain H7.9"-7.5"	42071334/200-190	7.9	200	7.5	190	146.4
PRO 150FC trench drain H8.3"-7.9"	42071334/210-200	8.3	210	7.9	200	148.9
PRO 150FC trench drain H8.7"-8.3"	42071334/220-210	8.7	220	8.3	210	151.4
PRO 150FC trench drain H9.1"-8.7"	42071334/230-220	9.1	230	8.7	220	153.8
PRO 150FC trench drain H9.4"-9.1"	42071334/240-230	9.4	240	9.1	230	156.3
PRO 150FC trench drain H9.8"-9.4"	42071334/250-240	9.8	250	9.4	240	158.8
PRO 150FC trench drain H10.2"-9.8"	42071334/260-250	10.2	260	9.8	250	161.2
PRO 150FC trench drain H10.6"-10.2"	42071334/270-260	10.6	270	10.2	260	164.4
PRO 150FC trench drain H11.0"-10.6"	42071334/280-270	11.0	280	10.6	270	167.4
PRO 150FC trench drain H11.4"-11.0"	42071334/290-280	11.4	290	11.0	280	170.5
PRO 150FC trench drain H11.8"-11.4"	42071334/300-290	11.8	300	11.4	290	173.5
PRO 150FC trench drain H12.2"-11.8"	42071334/310-300	12.2	310	11.8	300	176.5

**PRO 150FC SYSTEM - LOAD CLASS D400**

**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**

**Flow rate chart, 0.5% slope**

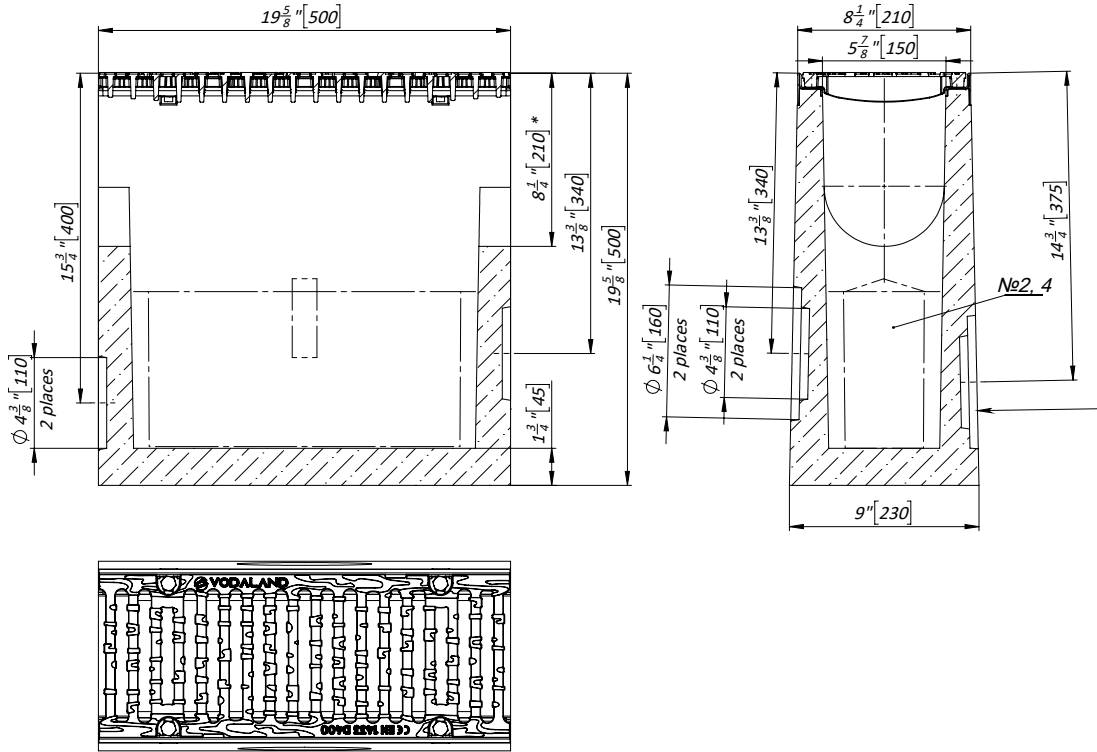
Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
042071334/100	25.52	44.54	1.61	2.81
042071334/210	107.15	181.64	6.76	11.46
042071334/260	172.29	278.65	10.87	17.58
042071334/310	239.5	377.55	15.11	23.82

**Flow rate chart, 1% slope**

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
042071334/100	36.14	62.93	2.28	3.97
042071334/210	151.53	256.93	9.56	16.21
042071334/260	243.62	394.04	15.37	24.86
042071334/310	338.72	530.83	21.37	33.49

**PRO 150FC SYSTEM - LOAD CLASS D400**

**6" (150mm) PRO FIBER CONCRETE INLINE CATCH BASIN**



**General:** The Inline catch basin shall be Vodaland Canada PRO 150FC 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 6" (100mm) with 8.2" (210mm) 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 150FC 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 150FC inline catch basin w/ basket	042871334-K	19.69	500	140.4

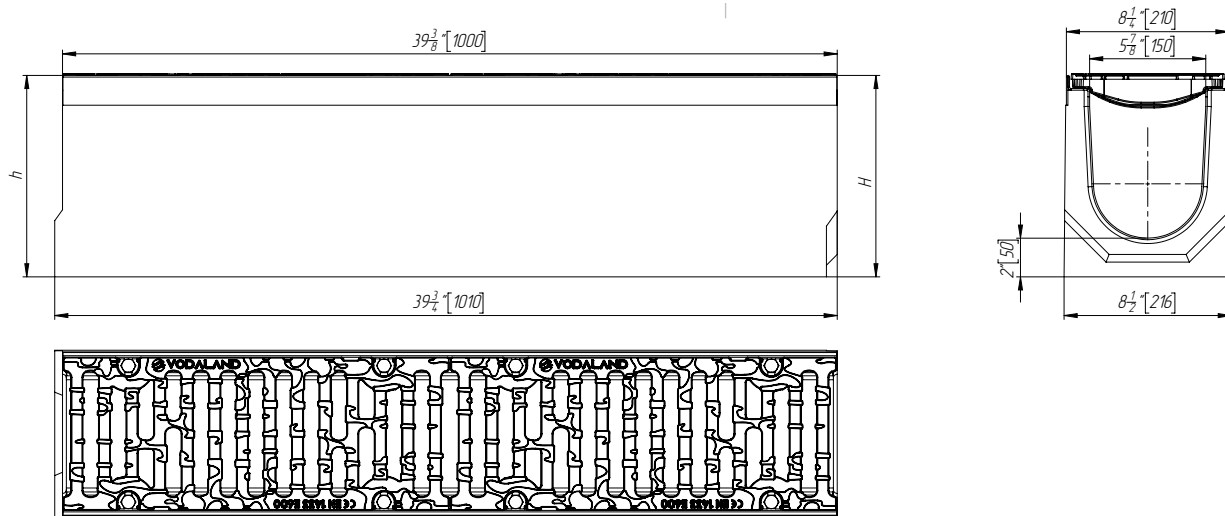
REVISED: 2024

**Vodaland Canada Inc.**

1-5900 Ambler Dr, Mississauga, ON L4W 2N3 • Phone: 905-238-1771 • Email: [info@vodaland.ca](mailto:info@vodaland.ca)

**PRO 150FC SYSTEM - LOAD CLASS E600**

**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**



**General:** The trench drain shall be Vodaland Canada PRO 150FC 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 6" (150mm) with 8.3" (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 150FC 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 150%:	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 150FC SYSTEM - LOAD CLASS E600**
**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**
**Neutral slope**

Name	Item #	H, in	H, mm	W, lb
PRO 150FC trench drain H6.1"	04207155/155	6.1	155	132.2
PRO 150FC trench drain H6.3"	04207155/160	6.3	160	134.0
PRO 150FC trench drain H6.5"	04207155/165	6.5	165	136.3
PRO 150FC trench drain H6.7"	04207155/170	6.7	170	137.9
PRO 150FC trench drain H6.9"	04207155/175	6.9	175	139.6
PRO 150FC trench drain H7.1"	04207155/180	7.1	180	141.2
PRO 150FC trench drain H7.3"	04207155/185	7.3	185	143.0
PRO 150FC trench drain H7.5"	04207155/190	7.5	190	139.4
PRO 150FC trench drain H7.7"	04207155/195	7.7	195	141.1
PRO 150FC trench drain H7.9"	04207155/200	7.9	200	148.0
PRO 150FC trench drain H8.1"	04207155/205	8.1	205	149.7
PRO 150FC trench drain H8.3"	04207155/210	8.3	210	151.3
PRO 150FC trench drain H8.5"	04207155/215	8.5	215	153.4
PRO 150FC trench drain H8.7"	04207155/220	8.7	220	154.9
PRO 150FC trench drain H8.9"	04207155/225	8.9	225	156.4
PRO 150FC trench drain H9.1"	04207155/230	9.1	230	158.0
PRO 150FC trench drain H9.3"	04207155/235	9.3	235	159.5
PRO 150FC trench drain H9.4"	04207155/240	9.4	240	161.1
PRO 150FC trench drain H9.6"	04207155/245	9.6	245	162.6
PRO 150FC trench drain H9.8"	04207155/250	9.8	250	164.2
PRO 150FC trench drain H10.0"	04207155/255	10.0	255	165.7
PRO 150FC trench drain H10.2"	04207155/260	10.2	260	167.2
PRO 150FC trench drain H10.4"	04207155/265	10.4	265	168.9
PRO 150FC trench drain H10.6"	04207155/270	10.6	270	170.4
PRO 150FC trench drain H10.8"	04207155/275	10.8	275	171.9
PRO 150FC trench drain H11.0"	04207155/280	11.0	280	173.4
PRO 150FC trench drain H11.2"	04207155/285	11.2	285	174.9
PRO 150FC trench drain H11.4"	04207155/290	11.4	290	176.5
PRO 150FC trench drain H11.6"	04207155/295	11.6	295	178.0
PRO 150FC trench drain H11.8"	04207155/300	11.8	300	179.5
PRO 150FC trench drain H12.0"	04207155/305	12.0	305	181.0
PRO 150FC trench drain H12.2"	04207155/310	12.2	310	182.5



**PRO 150FC SYSTEM - LOAD CLASS E600**
**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**
**0.5% slope**

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 150FC trench drain H6.1"-5.9"	04207155/155-150	6.1	155	5.9	150	134.1
PRO 150FC trench drain H6.3"-6.1"	04207155/160-155	6.3	160	6.1	155	135.6
PRO 150FC trench drain H6.5"-6.3"	04207155/165-160	6.5	165	6.3	160	137.1
PRO 150FC trench drain H6.7"-6.5"	04207155/170-165	6.7	170	6.5	165	138.7
PRO 150FC trench drain H6.9"-6.7"	04207155/175-170	6.9	175	6.7	170	140.2
PRO 150FC trench drain H7.1"-6.9"	04207155/180-175	7.1	180	6.9	175	141.8
PRO 150FC trench drain H7.3"-7.1"	04207155/185-180	7.3	185	7.1	180	143.3
PRO 150FC trench drain H7.5"-7.3"	04207155/190-185	7.5	190	7.3	185	144.9
PRO 150FC trench drain H7.7"-7.5"	04207155/195-190	7.7	195	7.5	190	146.4
PRO 150FC trench drain H7.9"-7.7"	04207155/200-195	7.9	200	7.7	195	148.0
PRO 150FC trench drain H8.1"-7.9"	04207155/205-200	8.1	205	7.9	200	149.5
PRO 150FC trench drain H8.3"-8.1"	04207155/210-205	8.3	210	8.1	205	151.0
PRO 150FC trench drain H8.5"-8.3"	04207155/215-210	8.5	215	8.3	210	152.6
PRO 150FC trench drain H8.7"-8.5"	04207155/220-215	8.7	220	8.5	215	154.1
PRO 150FC trench drain H8.9"-8.7"	04207155/225-220	8.9	225	8.7	220	155.7
PRO 150FC trench drain H9.1"-8.9"	04207155/230-225	9.1	230	8.9	225	157.2
PRO 150FC trench drain H9.3"-9.1"	04207155/235-230	9.3	235	9.1	230	158.8
PRO 150FC trench drain H9.4"-9.3"	04207155/240-235	9.4	240	9.3	235	160.3
PRO 150FC trench drain H9.6"-9.4"	04207155/245-240	9.6	245	9.4	240	161.8
PRO 150FC trench drain H9.8"-9.6"	04207155/250-245	9.8	250	9.6	245	163.4
PRO 150FC trench drain H10.0"-9.8"	04207155/255-250	10.0	255	9.8	250	164.9
PRO 150FC trench drain H10.2"-10.0"	04207155/260-255	10.2	260	10.0	255	166.5
PRO 150FC trench drain H10.4"-10.2"	04207155/265-260	10.4	265	10.2	260	168.1
PRO 150FC trench drain H10.6"-10.4"	04207155/270-265	10.6	270	10.4	265	169.6
PRO 150FC trench drain H10.8"-10.6"	04207155/275-270	10.8	275	10.6	270	171.1
PRO 150FC trench drain H11.0"-10.8"	04207155/280-275	11.0	280	10.8	275	172.6
PRO 150FC trench drain H11.2"-11.0"	04207155/285-280	11.2	285	11.0	280	174.2
PRO 150FC trench drain H11.4"-11.2"	04207155/290-285	11.4	290	11.2	285	175.7
PRO 150FC trench drain H11.6"-11.4"	04207155/295-290	11.6	295	11.4	290	177.2
PRO 150FC trench drain H11.8"-11.6"	04207155/300-295	11.8	300	11.6	295	178.7
PRO 150FC trench drain H12.0"-11.8"	04207155/305-300	12.0	305	11.8	300	180.2
PRO 150FC trench drain H12.2"-12.0"	04207155/310-305	12.2	310	12.0	305	181.8

**REVISED: 2024**

**PRO 150FC SYSTEM - LOAD CLASS E600**
**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**
**1% slope**

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 150FC trench drain H6.3"-5.9"	04207155/160-150	6.3	160	5.9	150	135.6
PRO 150FC trench drain H6.7"-6.3"	04207155/170-160	6.7	170	6.3	160	138.7
PRO 150FC trench drain H7.1"-6.7"	04207155/180-170	7.1	180	6.7	170	141.8
PRO 150FC trench drain H7.5"-7.1"	04207155/190-180	7.5	190	7.1	180	144.9
PRO 150FC trench drain H7.9"-7.5"	04207155/200-190	7.9	200	7.5	190	148.0
PRO 150FC trench drain H8.3"-7.9"	04207155/210-200	8.3	210	7.9	200	151.0
PRO 150FC trench drain H8.7"-8.3"	04207155/220-210	8.7	220	8.3	210	154.1
PRO 150FC trench drain H9.1"-8.7"	04207155/230-220	9.1	230	8.7	220	157.2
PRO 150FC trench drain H9.4"-9.1"	04207155/240-230	9.4	240	9.1	230	160.3
PRO 150FC trench drain H9.8"-9.4"	04207155/250-240	9.8	250	9.4	240	163.4
PRO 150FC trench drain H10.2"-9.8"	04207155/260-250	10.2	260	9.8	250	166.5
PRO 150FC trench drain H10.6"-10.2"	04207155/270-260	10.6	270	10.2	260	169.6
PRO 150FC trench drain H11.0"-10.6"	04207155/280-270	11.0	280	10.6	270	172.6
PRO 150FC trench drain H11.4"-11.0"	04207155/290-280	11.4	290	11.0	280	175.7
PRO 150FC trench drain H11.8"-11.4"	04207155/300-290	11.8	300	11.4	290	178.7
PRO 150FC trench drain H12.2"-11.8"	04207155/310-300	12.2	310	11.8	300	181.8

**REVISED: 2024**

**PRO 150FC SYSTEM - LOAD CLASS E600**
**6" (150mm) PRO FIBER CONCRETE TRENCH DRAIN**
**Flow rate chart, 0.5% slope**

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
04207155/100	25.52	44.54	1.61	2.81
04207155/210	107.15	181.64	6.76	11.46
04207155/260	172.29	278.65	10.87	17.58
04207155/310	239.5	377.55	15.11	23.82

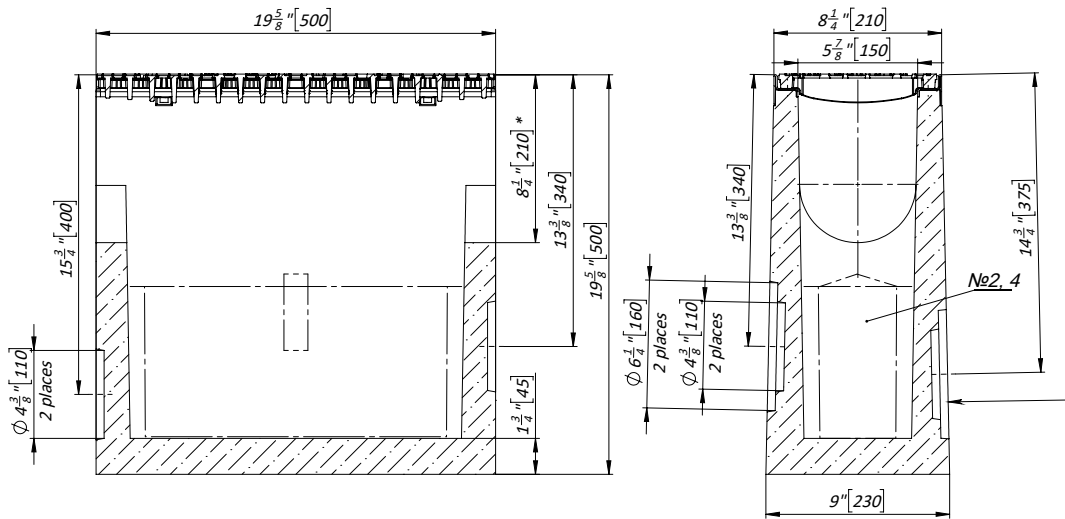
**Flow rate chart, 1% slope**

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
04207155/100	36.14	62.93	2.28	3.97
04207155/210	151.53	256.93	9.56	16.21
04207155/260	243.62	394.04	15.37	24.86
04207155/310	338.72	530.83	21.37	33.49

**REVISED: 2024**

**PRO 150FC SYSTEM - LOAD CLASS E600**

**6" (150mm) PRO FIBER CONCRETE INLINE CATCH BASIN**



**General:** The Inline catch basin shall be Vodaland Canada PRO 150FC 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 6" (100mm) with 8.2" (210mm) 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 150FC 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 150FC inline catch basin w/ basket	04287155-K	19.69	500	140.4