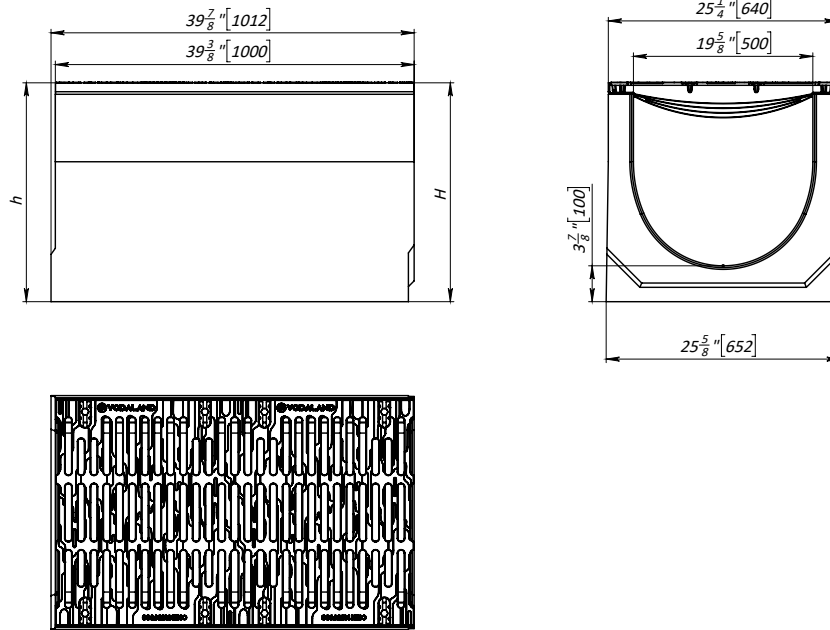


MEGA 500FC SYSTEM - LOAD CLASS F900

20" (500mm) MEGA FIBER CONCRETE TRENCH DRAIN



General: The trench drain shall be Vodaland Canada MEGA 500FC complete with grates as manufactured by Vodaland.

Specification: Channels shall be 39.4" (1000mm) long and the nominal clear opening shall be 20" (500mm) with 25.2" (640mm) overall width and built-in slope of 0.5% or 1% or Neutral 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: MEGA 500FC 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.

MEGA 500FC SYSTEM - LOAD CLASS F900
20" (500mm) MEGA FIBER CONCRETE TRENCH DRAIN
Neutral slope

Name	Item #	H, in	H, mm	W, lb
MEGA 500FC trench drain H24.0"	04901/610	24.0	610	1069.3
MEGA 500FC trench drain H23.8"	04901/605	23.8	605	1065.8
MEGA 500FC trench drain H23.6"	04901/600	23.6	600	1062.8
MEGA 500FC trench drain H23.4"	04901/595	23.4	595	1058.8
MEGA 500FC trench drain H23.2"	04901/590	23.2	590	1055.3
MEGA 500FC trench drain H23.0"	04901/585	23.0	585	1051.8
MEGA 500FC trench drain H22.8"	04901/580	22.8	580	1048.3
MEGA 500FC trench drain H22.6"	04901/575	22.6	575	1044.8
MEGA 500FC trench drain H22.4"	04901/570	22.4	570	1041.3
MEGA 500FC trench drain H22.2"	04901/565	22.2	565	1037.8
MEGA 500FC trench drain H22.0"	04901/560	22.0	560	1034.3
MEGA 500FC trench drain H21.9"	04901/555	21.9	555	1030.8
MEGA 500FC trench drain H21.7"	04901/550	21.7	550	1027.3
MEGA 500FC trench drain H21.5"	04901/545	21.5	545	1023.8
MEGA 500FC trench drain H21.3"	04901/540	21.3	540	1020.3
MEGA 500FC trench drain H21.1"	04901/535	21.1	535	1016.8
MEGA 500FC trench drain H20.9"	04901/530	20.9	530	1013.3
MEGA 500FC trench drain H20.7"	04901/525	20.7	525	1009.8
MEGA 500FC trench drain H20.5"	04901/520	20.5	520	1006.3
MEGA 500FC trench drain H20.3"	04901/515	20.3	515	1002.8
MEGA 500FC trench drain H20.1"	04901/510	20.1	510	738.3
MEGA 500FC trench drain H19.9"	04901/505	19.9	505	734.8
MEGA 500FC trench drain H19.7"	04901/500	19.7	500	731.3
MEGA 500FC trench drain H19.5"	04901/495	19.5	495	727.8
MEGA 500FC trench drain H19.3"	04901/490	19.3	490	724.3
MEGA 500FC trench drain H19.1"	04901/485	19.1	485	720.8
MEGA 500FC trench drain H18.9"	04901/480	18.9	480	717.3
MEGA 500FC trench drain H18.7"	04901/475	18.7	475	713.8
MEGA 500FC trench drain H18.5"	04901/470	18.5	470	710.3
MEGA 500FC trench drain H18.3"	04901/465	18.3	465	706.8
MEGA 500FC trench drain H18.1"	04901/460	18.1	460	703.3

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MEGA 500FC SYSTEM - LOAD CLASS F900
20" (500mm) MEGA FIBER CONCRETE TRENCH DRAIN
0.5% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
MEGA 500FC trench drain H24.0"-23.8"	04901/610-605	24.0	610	23.8	605	1069.3
MEGA 500FC trench drain H23.8"-23.6"	04901/605-600	23.8	605	23.6	600	1065.8
MEGA 500FC trench drain H23.6"-23.4"	04901/600-595	23.6	600	23.4	595	1062.3
MEGA 500FC trench drain H23.4"-23.2"	04901/595-590	23.4	595	23.2	590	1058.8
MEGA 500FC trench drain H23.2"-23"	04901/590-585	23.2	590	23	585	1055.3
MEGA 500FC trench drain H23"-22.8"	04901/585-580	23	585	22.8	580	1051.8
MEGA 500FC trench drain H22.8"-22.6"	04901/580-575	22.8	580	22.6	575	1048.3
MEGA 500FC trench drain H22.6"-22.4"	04901/575-570	22.6	575	22.4	570	1044.3
MEGA 500FC trench drain H22.4"-22.2"	04901/570-565	22.4	570	22.2	565	1041.3
MEGA 500FC trench drain H22.2"-22"	04901/565-560	22.2	565	22	560	1037.8
MEGA 500FC trench drain H22"-21.9"	04901/560-555	22	560	21.9	555	1034.3
MEGA 500FC trench drain H21.9"-21.7"	04901/555-550	21.9	555	21.7	550	1030.8
MEGA 500FC trench drain H21.7"-21.5"	04901/550-545	21.7	550	21.5	545	1027.3
MEGA 500FC trench drain H21.5"-21.3"	04901/545-540	21.5	545	21.3	540	1023.8
MEGA 500FC trench drain H21.3"-21.1"	04901/540-535	21.3	540	21.1	535	1020.3
MEGA 500FC trench drain H21.1"-20.9"	04901/535-530	21.1	535	20.9	530	1016.8
MEGA 500FC trench drain H20.9"-20.7"	04901/530-525	20.9	530	20.7	525	1013.3
MEGA 500FC trench drain H20.7"-20.5"	04901/525-520	20.7	525	20.5	520	1009.8
MEGA 500FC trench drain H20.5"-20.3"	04901/520-515	20.5	520	20.3	515	1006.3
MEGA 500FC trench drain H20.3"-20.1"	04901/515-510	20.3	515	20.1	510	1002.8
MEGA 500FC trench drain H20.1"-19.9"	04901/510-505	20.1	510	19.9	505	999.3
MEGA 500FC trench drain H19.9"-19.7"	04901/505-500	19.9	505	19.7	500	995.8
MEGA 500FC trench drain H19.7"-19.5"	04901/500-495	19.7	500	19.5	495	992.3
MEGA 500FC trench drain H19.5"-19.3"	04901/495-490	19.5	495	19.3	490	988.8
MEGA 500FC trench drain H19.3"-19.1"	04901/490-485	19.3	490	19.1	485	985.3
MEGA 500FC trench drain H19.1"-18.9"	04901/485-480	19.1	485	18.9	480	981.8
MEGA 500FC trench drain H18.9"-18.7"	04901/480-475	18.9	480	18.7	475	978.3
MEGA 500FC trench drain H18.7"-18.5"	04901/475-470	18.7	475	18.5	470	974.8
MEGA 500FC trench drain H18.5"-18.3"	04901/470-465	18.5	470	18.3	465	971.3
MEGA 500FC trench drain H18.3"-18.1"	04901/465-460	18.3	465	18.1	460	967.9

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MEGA 500FC SYSTEM - LOAD CLASS F900
20" (500mm) MEGA FIBER CONCRETE TRENCH DRAIN

1% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
MEGA 500FC trench drain H24.0"-23.6"	04901/610-600	24.0	610	23.6	600	1069.3
MEGA 500FC trench drain H23.6"-23.2"	04901/600-590	23.6	600	23.2	590	1062.3
MEGA 500FC trench drain H23.2"-22.8"	04901/590-580	23.2	590	22.8	580	1055.3
MEGA 500FC trench drain H22.8"-22.4"	04901/580-570	22.8	580	22.4	570	1048.3
MEGA 500FC trench drain H22.4"-22"	04901/570-560	22.4	570	22	560	1041.3
MEGA 500FC trench drain H22.0"-21.7"	04901/560-550	22.0	560	21.7	550	1034.3
MEGA 500FC trench drain H21.7"-21.3"	04901/550-540	21.7	550	21.3	540	1027.3
MEGA 500FC trench drain H21.3"-20.9"	04901/540-530	21.3	540	20.9	530	1020.3
MEGA 500FC trench drain H20.9"-20.5"	04901/530-520	20.9	530	20.5	520	1013.3
MEGA 500FC trench drain H20.5"-20.1"	04901/520-510	20.5	520	20.1	510	1006.3
MEGA 500FC trench drain H20.1"-19.7"	04901/510-500	20.1	510	19.7	500	999.3
MEGA 500FC trench drain H19.7"-19.3"	04901/500-490	19.7	500	19.3	490	992.3
MEGA 500FC trench drain H19.3"-18.9"	04901/490-480	19.3	490	18.9	480	985.3
MEGA 500FC trench drain H18.9"-18.5"	04901/480-470	18.9	480	18.5	470	978.3
MEGA 500FC trench drain H18.5"-18.1"	04901/470-460	18.5	470	18.1	460	971.3

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MEGA 500FC SYSTEM - LOAD CLASS F900**20" (500mm) MEGA 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
04901/510	2073.06	3600.08	130.79	227.13
04901/560	2555.07	4336.17	161.20	273.57
04901/610	3050.87	5083.67	192.48	320.73

Flow rate chart, 1% slope

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
04901/510	2930.41	5091.28	184.88	321.21
04901/560	3613.56	6132.17	227.98	386.88
04901/610	4314.46	7189.55	272.20	453.59