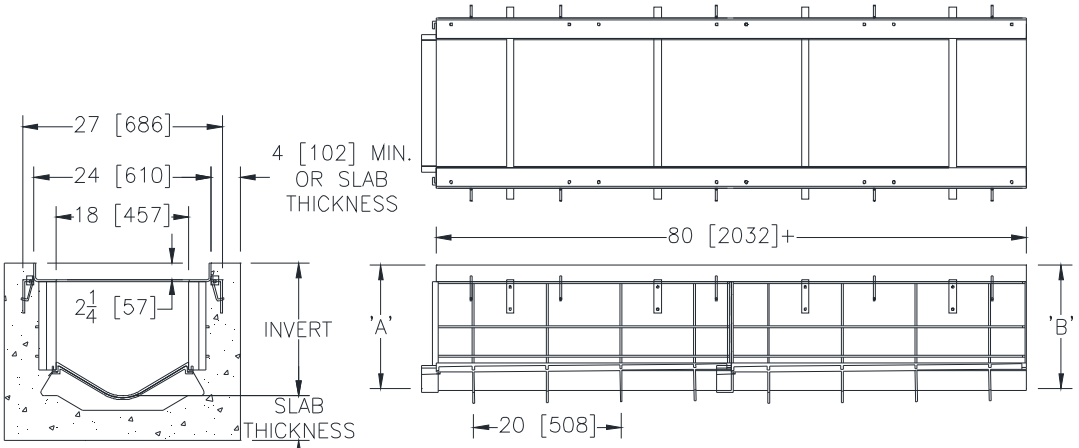
Z874-18-89

18 [457] WIDE THROAT TRENCH DRAIN SYSTEM W/ MODIFIED GALVANIZED FRAME AND NO GRATES

SPECIFICATION SHEET

TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



+Actual High Density Polyethylene channel length is 82 [2083] to allow for overlap, with frame attached the length is 84-1/2 [2146] with the exception of P.N. 2101P and 2130P.

SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES

ENGINEERING SPECIFICATION: Zurn Z874-18-89

Channels shall be 80" [2032mm] long, 24" [610mm] wide reveal and have an 18" [457mm] wide throat. Modular channel sections shall be made of 0% water absorbent High Density Polyethylene (HDPE). Shall have a positive mechanical connection between channel sections that will not separate during the installation and shall mechanically lock into the concrete surround every 10" [254mm]. Channels shall weigh less than 9 lbs. [4.1kg] per linear foot, have smooth 5" [127mm] radiused self cleaning bottom with a Manning's coefficient of .009 and 1.00% or neutral 0% built-in slope. Channels are available with inverts ranging from 10.25" [260mm] to 35.21" [894mm]. Channels come with clips attached to the frame to accommodate vertical re-bar for positioning and anchoring purposes. The .25" [6mm] thick Galvanized Carbon Steel Frame Assembly conforms to ASTM specification A36 and galvanizing conforms to ASTM specification A123 with 10 - 4" [102mm] long concrete anchors per 80" [2032mm]. The frame is supplied with a powder coated finish. Frames shall be produced in the USA.

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow (gpm)	(lps)	(cfs)
1801P	10.250 [260]	11.082 [281]	3058	193	6.85
1802P	11.082 [281]	11.914 [303]	3589	226	8.04
1803P	11.914 [303]	12.746 [324]	4132	261	9.26
1804P	12.746 [324]	13.578 [345]	4685	296	10.50
1805P	13.578 [345]	14.410 [366]	5247	331	11.76
1806P	14.410 [366]	15.242 [387]	5816	367	13.04
1807P	15.242 [387]	16.074 [408]	6392	403	14.33
1808P	16.074 [408]	16.906 [429]	6973	440	15.63
1809P	16.906 [429]	17.738 [451]	7559	477	16.94
1810P	17.738 [451]	18.570 [472]	8149	514	18.27
1811P	18.570 [472]	19.402 [493]	8743	552	19.60
1812P	19.402 [493]	20.234 [514]	9340	589	20.93
1813P	20.234 [514]	21.066 [535]	9940	627	22.28
1814P	21.066 [535]	21.898 [556]	10542	665	23.63
1815P	21.898 [556]	22.730 [577]	11147	703	24.98
1816P	22.730 [577]	23.562 [598]	11753	741	26.34
1817P	23.562 [598]	24.394 [620]	12362	780	27.71
1818P	24.394 [620]	25.226 [641]	12972	818	29.08
1819P	25.226 [641]	26.058 [662]	13584	857	30.45
1820P	26.058 [662]	26.890 [683]	14198	896	31.82
1821P	26.890 [683]	27.722 [704]	14812	934	33.20
1822P	27.722 [704]	28.554 [725]	15428	973	34.58
1823P	28.554 [725]	29.386 [746]	16045	1012	35.96
1824P	29.386 [746]	30.218 [768]	16663	1051	37.35
1825P	30.218 [768]	31.050 [789]	17282	1090	38.74
1826P	31.050 [789]	31.882 [810]	17901	1129	40.12
1827P	31.882 [810]	32.714 [831]	18522	1168	41.52
1828P	32.714 [831]	33.546 [852]	19143	1208	42.91
1829P	33.546 [852]	34.378 [873]	19765	1247	44.30
1830P	34.378 [873]	35.210 [894]	20388	1286	45.70

(Neutral channels available for all section numbers)

PREFIX

☐ Z 80 [2032] High Density Polyethylene Channel, Heavy-Duty, Modified, Galvanized Frame with Anchor Studs*

SUFFIX OPTIONS (Check/specify appropriate options)

Adapters

☐ -E1 Closed End Cap
☐ -E4 4 [102] No-Hub End Outlet
☐ -E6 6 [152] No-Hub End Outlet
☐ -E8 8 [203] No-Hub End Outlet
☐ -E12 12 [305] No-Hub End Outlet
☐ -U4 4 [102] No-Hub Bottom Outlet
☐ -U6 6 [152] No-Hub Bottom Outlet
☐ -U8 8 [203] No-Hub Bottom Outlet
☐ -U18 18 [457] No-Hub Bottom Outlet

MADE in the U.S.A. Miscellaneous Option

☐ -DB Bottom Dome Strainer

* Regularly furnished unless otherwise specified.

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