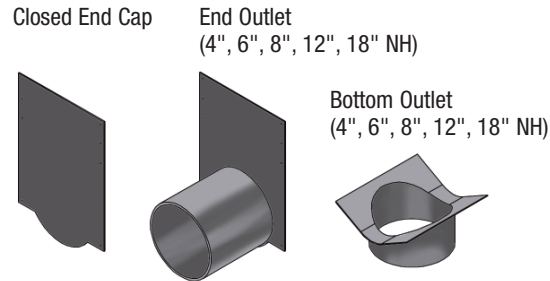
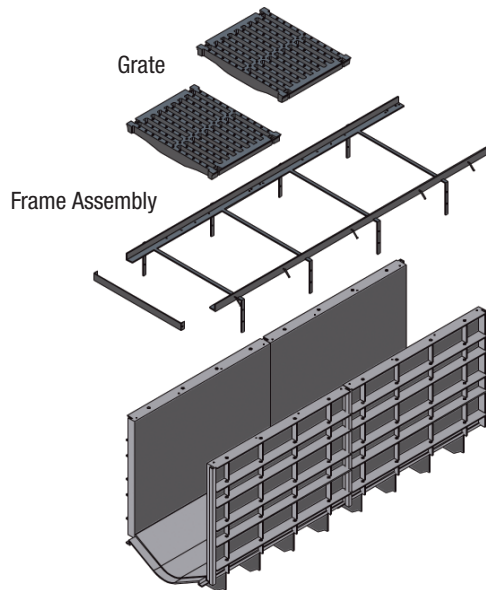


Z874-21 Perma-Trench HDPE 21" Drain System

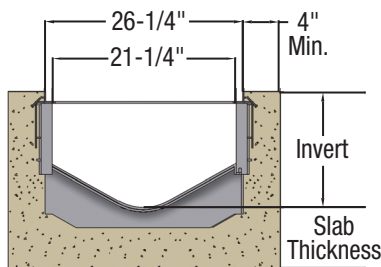
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Z874-21 Applications

Highways
Parking Lots
Airports
Airplane Hangars
Industrial Parks
Port Facilities
Chemical Plants

Installation Specification



21" Throat / 26-1/4" Overall Width

Z874-21 Dimensional Data

Trench Number	Shallow Invert		Deep Invert		Max. Flow Rate		
	Inches	mm	Inches	mm	CFS	GPM	LPS
2101P	11.250	235	12.082	256	8.369	3734	236
2102P	12.082	256	12.914	277	9.857	4398	277
2103P	12.914	277	13.746	298	11.388	5081	320
2104P	13.746	298	14.578	319	12.953	5779	365
2105P	14.578	319	15.410	341	14.549	6491	409
2105NP	15.410	341	15.410	341	—	—	—
2106P	15.410	341	16.424	362	16.170	7214	455
2107P	16.424	362	17.074	383	17.814	7948	501
2108P	17.074	383	17.906	404	19.478	8690	548
2109P	17.906	404	18.738	425	21.159	9440	596
2110P	18.738	425	19.570	446	22.855	10197	643
2111P	19.570	446	20.402	467	24.565	10960	691
2112P	20.402	467	21.234	489	26.287	11728	740
2113P	21.234	489	22.066	510	28.020	12501	789
2114P	22.066	510	22.898	531	29.763	13279	838
2115P	22.898	531	23.730	552	31.514	14060	887
2115NP	23.730	552	23.730	552	—	—	—
2116P	23.730	552	24.562	573	33.274	14845	936
2117P	24.562	573	25.394	594	35.041	15633	986
2118P	25.394	594	26.226	615	36.814	16424	1036
2119P	26.226	615	27.058	636	38.594	17218	1086
2120P	27.058	636	27.890	658	40.379	18015	1136
2121P	27.890	658	28.722	679	42.169	18814	1187
2122P	28.722	679	29.554	799	43.964	19614	1237
2123P	29.554	700	30.386	721	45.763	20417	1288
2124P	30.386	721	31.218	742	47.567	21222	1339
2125P	31.218	742	32.050	763	49.374	22028	1390
2125NP	32.050	763	32.050	763	—	—	—
2126P	32.050	763	32.882	784	51.184	22836	1441
2127P	32.882	784	33.714	806	52.998	23645	1492
2128P	33.714	806	34.546	827	54.815	24455	1543
2129P	34.546	827	35.378	848	56.634	25267	1594
2130P	35.378	848	36.210	869	58.457	26080	1645

Engineering Specification Channels shall be 80" long, 26-1/4" wide, and have a 21" wide throat. Modular channel sections shall be made of High Density Polyethylene (HDPE), have interlocking ends, and radiused bottom. Channel shall be provided with no slope (neutral) or with a 1.00% built-in slope. Channels shall be available with inverts ranging from 11.25" to 36.21". Channels shall have clips attached to the frame to accommodate vertical rebar for positioning and anchoring purposes. Choice of class A, B, C, D, E, and F grates shall be available with H-20 and/or FAA load ratings and/or ADA compliance with mechanical lockdown devices. A heavy-duty steel frame shall be provided to distribute weight between the grates and the HDPE channel. End caps and catch basins shall be available to complement the channels and grates. End outlets, bottom outlets, and side outlets shall be available in 4", 6", 8", 12", and 18" diameters. Trench drain shall be Flo-Thru model Z874-21.