

CIRCULAR PIPE (in Pounds Per Linear Foot - Impact Included)

D (in)	Bc (ft)	H (ft.)												
		0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0
12	1.33	3780	2080	1470	1080	760	550	450	380	290	230	190	160	130
15	1.63	4240	2360	1740	1280	900	660	540	450	350	280	230	190	160
18	1.92	4110	2610	1970	1460	1030	750	620	520	400	320	260	220	190
21	2.21	3920	2820	2190	1620	1150	840	690	580	450	360	300	250	210
24	2.50	4100	3010	2400	1780	1270	930	760	640	500	400	330	280	240
27	2.79	3880	2940	2590	1930	1380	1010	830	700	560	440	360	300	260
30	3.08	3620	2830	2770	2070	1480	1080	890	750	590	480	390	330	280
33	3.38	3390	2930	2950	2200	1580	1160	960	810	630	510	420	360	300
36	3.67	3190	2810	2930	2330	1670	1230	1020	860	670	550	450	380	330
39	3.96	3010	2670	2850	2440	1760	1290	1070	910	710	580	480	410	350
42	4.25	2860	2550	2770	2560	1840	1360	1130	950	750	610	510	430	370
48	4.83	2590	2330	2620	2480	1990	1470	1230	1040	820	670	560	470	410
54	5.42	2360	2150	2490	2360	2050	1580	1320	1120	890	730	610	520	440
60	6.00	2170	1990	2450	2250	1960	1680	1400	1190	950	780	650	560	480
66	6.58	2010	1850	2520	2160	1880	1640	1480	1260	1010	830	700	590	510
72	7.17	1870	1730	2580	2190	1810	1570	1510	1330	1060	880	740	630	540

- DATA:**
1. Unsurface Roadway
 2. Loads - AASHTO HS 20, two 16,000 lb. dual-tired wheels, 4 ft. on centers, or alternate loading, four 12,000 lb. dual-tired wheels, 4 ft. on centers.
 3. "B" wall circular pipe.

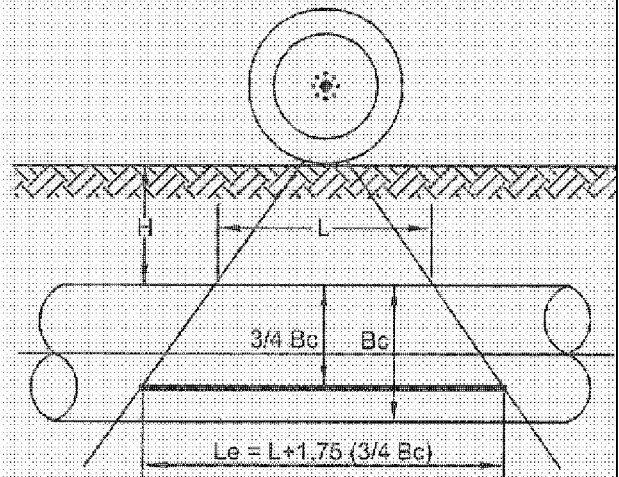
- NOTES**
1. Interpolate for intermediate pipe sizes and/or fill heights.
 2. Critical loads:
 - (a) For H = 0.5 and 1.0 ft., a single 16,000 lb. dual-tired wheel.
 - (b) For H = 1.5 through 4.0 ft., two 16,000 lb. dual-tired wheels, 4 ft. on centers.
 - (c) For H greater than 4.0 ft., alternate loading.
 3. Truck live loads for H = 10.0 ft. or more are insignificant.

LLA = DISTRIBUTED LIVE LOAD AREA

L = LENGTH OF "LLA" PARALLEL TO LONGITUDINAL AXIS OF PIPE

Le = EFFECTIVE SUPPORTING LENGTH OF PIPE

H = DEPTH OF COVER



SOURCE OF TABLE "AMERICAN CONCRETE PIPE ASSOCIATION" CONCRETE PIPE DESIGN MANUAL. REFER TO THIS SOURCE FOR ADDITIONAL DESIGN INFORMATION.

