

## Rating Table for Circular Pipe - 1

### Project Description

Friction Method                      Manning Formula  
Solve For                                Normal Depth

### Input Data

Roughness Coefficient                      0.012  
Channel Slope                                  0.00100    ft/ft  
Diameter                                        1.25    ft  
Discharge                                      2.2129    ft³/s

Diameter (ft)	Normal Depth (ft)	Velocity (ft/s)	Flow Area (ft²)	Wetted Perimeter (ft)	Top Width (ft)
FLOWING → FULL	1.25	1.80	1.23	3.93	0
	<del>1.02</del>	<del>2.06</del>	<del>1.06</del>	<del>2.83</del>	<del>0.96</del>
	1.50	2.14	1.03	2.56	1.49
	1.75	2.14	1.03	2.55	1.74
	2.00	2.13	1.04	2.60	1.93
	2.25	2.11	1.05	2.66	2.08
	2.50	2.09	1.06	2.72	2.22
	2.75	2.07	1.07	2.79	2.34
	3.00	2.05	1.08	2.86	2.44
	3.25	2.03	1.09	2.92	2.55
	3.50	2.01	1.10	2.99	2.64
	3.75	1.99	1.11	3.06	2.73
	4.00	1.98	1.12	3.12	2.81
	4.25	1.96	1.13	3.18	2.89
	4.50	1.95	1.14	3.24	2.97
	4.75	1.93	1.14	3.30	3.04
	5.00	1.92	1.15	3.36	3.11
	5.25	1.91	1.16	3.41	3.18
	5.50	1.89	1.17	3.47	3.24
	5.75	1.88	1.17	3.52	3.31
	6.00	1.87	1.18	3.57	3.37
	6.25	1.86	1.19	3.63	3.43
	6.50	1.85	1.20	3.68	3.48
	6.75	1.84	1.20	3.73	3.54
	7.00	1.83	1.21	3.77	3.59
	7.25	1.82	1.21	3.82	3.65

---

## Rating Table for Circular Pipe - 1

---

### Input Data

Diameter (ft)	Normal Depth (ft)	Velocity (ft/s)	Flow Area (ft <sup>2</sup> )	Wetted Perimeter (ft)	Top Width (ft)
7.50	0.49	1.81	1.22	3.87	3.70
7.75	0.48	1.81	1.23	3.91	3.75
8.00	0.48	1.80	1.23	3.96	3.80