

Maximum Spacing of Bow Tie Pipe Stand Supports

The charts below show the maximum spacing that should be used for water distribution when using different types of PVC pipe. This spacing should be followed to prevent pipe sag. These charts are based upon a maximum of .2% of sag in relation to the span length. For example, spacing of 4 feet would have sag of less than one tenth (1/10) of an inch. In addition to these spacing requirements pipe joints should be supported by pipe stands on both sides of the joint with a maximum distance of 2 feet between a pipe stand and the joint.

SDR21 Bow Tie Pipe Stand Maximum Spacing

Nominal Pipe Size	OD in inches	ID in inches	Spacing in feet
3/4"	1.050	0.910	3.00
1"	1.315	1.169	3.34
1-1/4"	1.660	1.482	3.86
1-1/2"	1.900	1.700	4.21
2"	2.375	2.129	4.86
2-1/2"	2.875	2.581	5.50
3"	3.500	3.146	6.26

SDR26 Bow Tie Pipe Stand Maximum Spacing

Nominal Pipe Size	OD in inches	ID in inches	Spacing in feet
3/4"			
1"	1.315	1.175	3.30
1-1/4"	1.660	1.512	3.68
1-1/2"	1.900	1.734	4.00
2"	2.375	2.173	4.61
2-1/2"	2.875	2.635	5.21
3"	3.500	3.210	5.93

Schedule 40 Bow Tie Pipe Stand Maximum Spacing

Nominal Pipe Size	OD in inches	ID in inches	Spacing in feet
3/4"	1.050	0.804	3.38
1"	1.315	1.029	3.87
1-1/4"	1.660	1.367	4.34
1-1/2"	1.900	1.590	4.67
2"	2.375	2.047	5.22
2-1/2"	2.875	2.445	6.04
3"	3.500	3.042	6.67

Schedule 80 Bow Tie Pipe Stand Maximum Spacing

Nominal Pipe Size	OD in inches	ID in inches	Spacing in feet
3/4"	1.050	0.722	3.53
1"	1.315	0.936	4.05
1-1/4"	1.660	1.255	4.61
1-1/2"	1.900	1.476	4.97
2"	2.375	1.913	5.62
2-1/2"	2.875	2.290	6.44
3"	3.500	2.864	7.18

Schedule 120 Bow Tie Pipe Stand Maximum Spacing

Nominal Pipe Size	OD in inches	ID in inches	Spacing in feet
3/4"	1.050	0.690	3.56
1"	1.315	0.891	4.11
1-1/4"	1.660	1.204	4.70
1-1/2"	1.900	1.423	5.07
2"	2.375	1.845	5.77
2-1/2"	2.875	2.239	6.54
3"	3.500	2.758	7.40

