

Lateral Sway Brace Spacing

PER 2007 NFPA 13 SECTION 9.3.5.3.2

Dyna-Flow®					
MAXIMUM LOAD 'F _{pw} ' IN ZONE OF INFLUENCE (Lb) FOR Dyna-Flow Pipe, F _y =45 ksi					
Lateral Sway Brace Spacing ^(a)					
Pipe Diameter (In)	At 20 ft ^(b)	At 25 ft ^(b)	At 30 ft ^(c)	At 35 ft ^(c)	At 40 ft ^(d)
1"	96	77	63	54	45
1 ¼"	157	125	103	88	74
1 ½"	283	227	186	159	133
2"	452	362	296	254	213
2 ½"	671	537	440	377	316
3"	1085	868	711	610	510
4"	1847	1477	1210	1037	869

Dyna-Thread®					
MAXIMUM LOAD 'F _{pw} ' IN ZONE OF INFLUENCE (Lb) FOR Dyna-Thread Pipe, F _y = 45 ksi					
Lateral Sway Brace Spacing ^(a)					
Pipe Diameter (In)	At 20 ft ^(b)	At 25 ft ^(b)	At 30 ft ^(c)	At 35 ft ^(c)	At 40 ft ^(d)
1"	142	114	93	80	67
1 ¼"	258	206	169	145	121
1 ½"	368	294	241	207	173
2"	620	496	406	348	292
2 ½"	1390	1112	911	781	654
3"	2205	1764	1445	1239	1037

XL®/BLT®					
MAXIMUM LOAD 'F _{pw} ' IN ZONE OF INFLUENCE (Lb) FOR XL-BLT Pipe, F _y = 45 ksi					
Lateral Sway Brace Spacing ^(a)					
Pipe Diameter (In)	At 20 ft ^(b)	At 25 ft ^(b)	At 30 ft ^(c)	At 35 ft ^(c)	At 40 ft ^(d)
1"	140	112	92	79	66
1 ¼"	235	188	154	132	111
1 ½"	331	265	217	186	156
2"	562	449	368	316	264
2 ½"	1113	891	730	626	524
3"	1683	1347	1103	946	792

Notes:

- The tables for the maximum load F_{pw} in the Zone Of Influence are based on specific configuration of mains, branch lines, and Yield Strength.
- Assumes branch lines at the center of the main pipe span and near each sway brace.
- Assumes branch lines at the third-point of the main pipe span and near each sway brace.
- Assumes branch lines at the quarter-point of the main pipe span and near each sway brace.