



* Blocking for tapping sleeves shall be the same as tee.

Blocking is required on reducer (or increaser) if reducing over one pipe size.

MINIMUM THRUST BLOCK BEARING AREA (SQUARE FEET)

PIPE SIZE	TEES * & PLUGS	90 Deg BEND	45 Deg & WYES	22-1/2 BEND & REDUCER #	VALVES
4"	1.8	2.6	1.4	0.8	4.0
6"	3.8	5.2	2.9	1.5	4.0
8"	6.7	9.5	5.0	2.6	4.0
10"	10.8	15.3	8.3	4.2	6.25
12"	15.3	21.8	11.9	5.8	9.0
14"	20.8	28.8	16.2	8.3	10.5
16"	27.4	37.7	20.9	10.8	16.0
18"	34.7	47.7	26.6	13.6	16.25
20"	42.8	58.9	32.7	16.8	
24"	61.7	84.8	47.1	24.2	32.5
30"	96.4	123.5	73.6	37.9	

- NOTE:
1. This table is based on 150# PSI main pressure & 2000 # soil pressure.
 2. Wrap all fittings with polyethylene.
 3. Blocking for valves per Standard Detail No. 5-39.
 4. Concrete used for thrust blocks shall be allowed to 'CURE' for approx. 24 hours.

THRUST BLOCKING DETAILS FOR WATER MAIN FITTINGS