

	PIPE SIZE	ROD DIAMETER	NUMBER OF RODS	TOTAL THRUST (LBS)
	6"	3/4"	2	5655
	8"	3/4"	2	10,005
TEES, PLUGS & VALVES	10"	3/4"	4	15,710
	12"	3/4"	4	22,620
	14"	3/4"	4	30,800
	16"	3/4"	4	40,215
	20"	3/4"	4	62,835
	24"	3/4"	4	90,480
	30"	1"	4	141,375
	36"	1"	4	203,595
	6"	3/4"	2	1,110
	8"	3/4"	2	1,970
	10"	3/4"	4	3,060
	12"	3/4"	4	4,435
11 1/4° B	14"	3/4"	4	6,035
	16"	3/4"	4	7,885
	20"	3/4"	4	12,320
	24"	3/4"	4	17,740
	30"	1"	4	27,720
	36"	1"	4	39,910
	6"	3/4"	2	2,210
	8"	3/4"	2	3,925
	10"	3/4"	4	6,130
	12"	3/4"	4	8,825
22 1/2° B	14"	3/4"	4	12,015
	16"	3/4"	4	15,690
	20"	3/4"	4	24,515
	24"	3/4"	4	35,305
	30"	1"	4	55,160
	36"	1"	4	79,435
	6"	3/4"	2	4,430
	8"	3/4"	2	7,700
	10"	3/4"	4	12,025
	12"	3/4"	4	17,312
45° B	14"	3/4"	4	23,565
	16"	3/4"	4	30,780
	20"	3/4"	4	48,090
	24"	3/4"	4	69,250
	30"	1"	4	108,205
	36"	1"	4	155,810
	6"	3/4"	2	8,000
	8"	3/4"	2	14,220
	10"	3/4"	4	22,214
	12"	3/4"	4	32,000
90° B	14"	3/4"	4	43,540
	16"	3/4"	4	56,870
	20"	3/4"	4	88,960
	24"	3/4"	4	127,960
	30"	1"	4	199,930
	36"	1"	4	287,900

NOTES:

1. BASED UPON ROD & NUT HAVING MINIMUM YIELD STRENGTH OF 95,000 P.S.I.
2. RODS HAVE 6" OF THREAD ON EACH END.
3. ALL METAL TO BE CLEANED AND COATED WITH AN APPROVED PROTECTIVE COATING FOLLOWING INSTALLATION AND PRIOR TO BACKFILLING. SEE NOTE 5, DRWG A - 30

REVISIONS

City of Cumming

Department of Utilities - Distribution and Collection Division



THRUST RESTRAINTS: TIE - ROD CHART

W-34