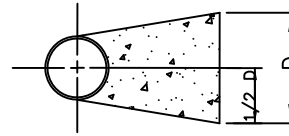
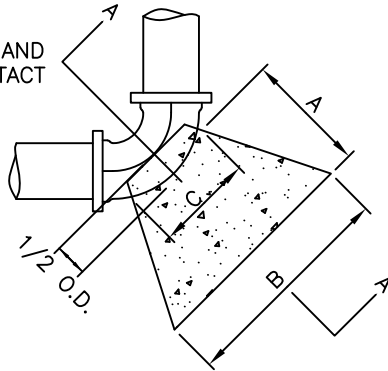


PROTECT GLANDS AND BOLTS FROM CONTACT WITH CONCRETE



SECTION A-A

MINIMUM DIMENSIONS FOR CONCRETE BLOCKING

BEND	SIZE	A	B	C	D	VOLUME CY
11 1/4'	6"	1'-0"	2'-0"	4"	1'-0"	0.05
	8"	1'-0"	2'-0"	5"	1'-0"	0.05
	10"	1'-0"	2'-0"	6"	1'-0"	0.05
	12"	1'-0"	2'-0"	7"	1'-0"	0.05
	14"	2'-0"	2'-0"	11"	1'-6"	0.16
	16"	1'-0"	2'-0"	1'-0"	2'-0"	0.22
	20"	2'-0"	3'-0"	1'-3"	2'-0"	0.32
	24"	2'-0"	3'-0"	1'-6"	3'-0"	0.50
22 1/2'	6"	1'-0"	2'-0"	6"	1'-0"	0.05
	8"	1'-0"	2'-0"	7"	1'-0"	0.05
	10"	1'-0"	2'-0"	8"	1'-6"	0.08
	12"	1'-0"	2'-0"	10"	2'-0"	0.11
	14"	2'-0"	3'-0"	11"	2'-0"	0.29
	16"	2'-0"	4'-0"	1'-0"	2'-0"	0.37
	20"	2'-0"	4'-0"	1'-3"	3'-0"	0.58
	24"	3'-0"	4'-6"	1'-6"	4'-0"	1.33
45'	6"	1'-0"	2'-0"	6"	1'-0"	0.05
	8"	1'-0"	2'-0"	7"	2'-0"	0.10
	10"	2'-0"	3'-0"	9"	2'-0"	0.28
	12"	2'-0"	3'-0"	11"	3'-0"	0.44
	14"	2'-0"	4'-0"	11"	3'-0"	0.55
	16"	3'-0"	5'-0"	1'-0"	3'-0"	1.00
	20"	4'-0"	6'-0"	1'-3"	4'-0"	2.15
	24"	4'-0"	7'-0"	1'-6"	5'-0"	3.15
90'	6"	1'-0"	2'-0"	1'-0"	2'-0"	0.11
	8"	2'-0"	3'-0"	1'-2"	2'-6"	0.37
	10"	2'-6"	3'-9"	1'-6"	3'-0"	0.72
	12"	2'-0"	4'-0"	2'-0"	4'-0"	0.84
	14"	3'-0"	5'-0"	2'-0"	4'-6"	1.71
	16"	4'-0"	6'-0"	2'-2"	4'-9"	2.84
	20"	4'-0"	7'-0"	2'-8"	6'-4"	4.51
	24"	5'-0"	8'-0"	3'-4"	8'-0"	8.40
TEES & PLUGS	6"	1'-0"	2'-0"	10"	1'-6"	0.08
	8"	1'-9"	2'-6"	1'-1"	2'-0"	0.23
	10"	2'-0"	4'-0"	1'-3"	2'-0"	0.41
	12"	2'-6"	3'-9"	1'-7"	3'-0"	0.75
	14"	3'-0"	5'-0"	2'-0"	3'-0"	1.17
	16"	3'-0"	5'-0"	2'-2"	4'-0"	1.59
	20"	4'-0"	6'-0"	2'-8"	5'-0"	3.21
	24"	6'-0"	9'-0"	3'-4"	5'-0"	6.85

DESIGN DATA:

- DIMENSIONS OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE AND 200 POUNDS PER SQUARE INCH TEST PRESSURE. ACTUAL INSIDE DIAMETER OF DUCTILE IRON PIPE, CLASS 51 USED AS STANDARD.
- FOR 3" & 4" PIPE, USE 6" SIZES.
- SIZES SHALL BE DETERMINED BY SPARTANBURG WATER ENGINEERING DEPARTMENT FOR PIPES LARGER THAN 24".

NOTE

- 1- CONCRETE THRUST BLOCK SHALL BE POURED AGAINST UNDISTURBED SOIL.
- 2- SOIL CONDITIONS SHALL BE VERIFIED BY SPARTANBURG WATER ENGINEERING DEPARTMENT BEFORE DESIGN IS IMPLEMENTED.
- 3- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I.

THE INTENT OF THIS DETAIL IS TO CLARIFY AND NOT SUPERSEDE OR MODIFY THE SPECIFIC REQUIREMENTS AS LISTED IN THE SPECIFICATIONS



CONCRETE
THRUST BLOCK
DETAIL

SCALE: NTS REVISION DATE: 11/07/2016