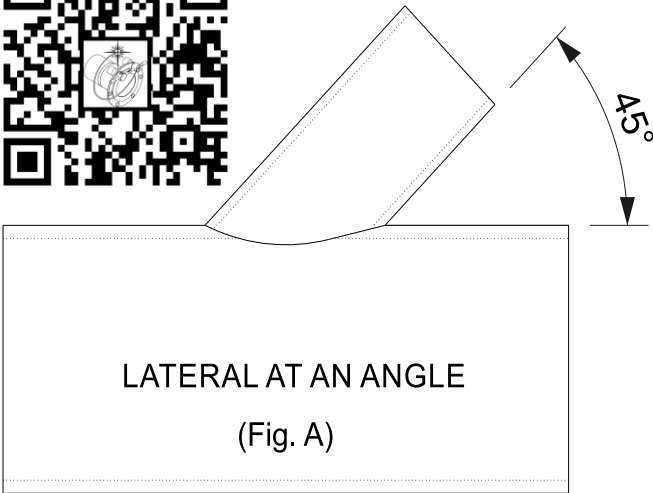
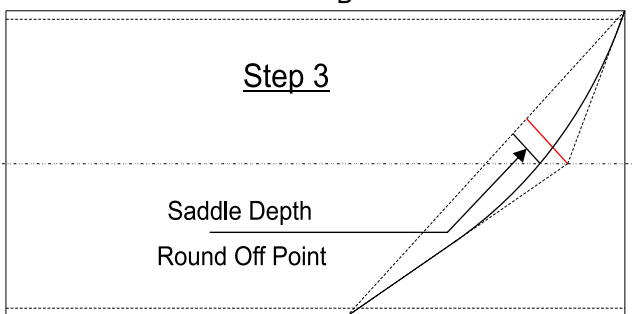
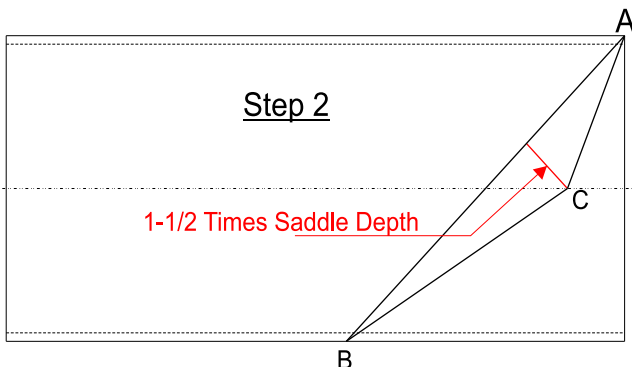
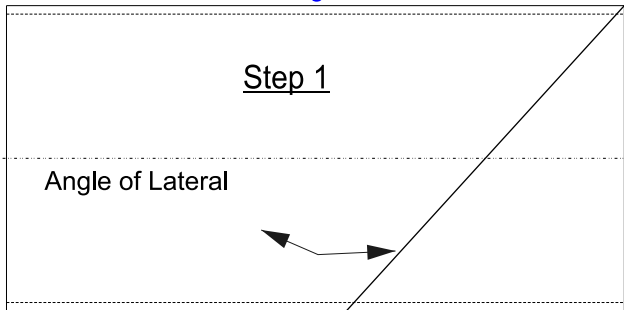




To layout a Lateral at an angle (Fig. A),

Set the Miter Marker to the angle of the lateral and mark a line around the pipe as shown in step 1. At a right angle to this line, scribe a line equal to 1-1/2 times the saddle depth. This point must be on the pipe centerline as shown in step 2. Mark the lines A-C and B-C. Lay off the saddle depth and round off the point as shown in step 3.

To mark the opening in the larger pipe use our Multi-Hole Imager P/N MHI515



LATERAL PIPE SIZE (Small Pipe)

	2-3/8	3-1/2	4-1/2	6-5/8	8-5/8	10-3/4	12-3/4	14	16	18	20	24
2-3/8	45° 1-3/16 3/8											
3-1/2	30° 11/16 1/4	45° 1-3/4 9/16										
4-1/2	23° 1/2 3/16	35° 1-1/4 7/16	45° 2-1/4 3/4									
6-5/8	15° 5/16 3/32	23° 3/4 1/4	30° 1-5/16 7/16	45° 3-5/16 1-1/8								
8-5/8	12° 1/4 3/32	18° 9/16 3/16	22.5° 7/8 5/16	35° 2-5/16 3/4	45° 4-5/16 1-7/16							
10-3/4	10° 7/32 3/32	14° 7/16 1/8	18° 11/16 1/4	27° 1-11/16 9/16	37° 3-1/4 1-1/16	45° 5-3/8 1-13/16						
12-3/4	9° 3/16 1/16	12° 3/8 1/8	15° 9/16 3/16	23° 1-3/8 7/16	30° 2-1/2 13/16	40° 4-7/16 1-1/2	45° 6-3/8 2-1/8					
14		10° 5/16 1/16	14° 9/16 3/16	21° 1-1/4 7/16	28° 2-1/4 3/4	35° 3-3/4 1-1/4	44° 6-3/16 2-1/16	45° 7 2-3/8				
16			12° 7/16 3/16	18° 1-1/16 3/8	24° 1-7/8 5/8	30° 3-1/8 1-1/16	37° 4-3/4 1-9/16	41° 6-3/16 2-1/16	45° 8 2-11/16			
18			11° 7/16 3/16	16° 15/16 5/16	21° 1-11/16 9/16	27° 2-11/16 15/16	32° 4 1-3/8	35° 5 1-11/16	42.5° 7-5/16 2-7/16	45° 9 3		
20			9° 3/8 1/8	15° 7/8 5/16	19° 1-1/2 1/2	24° 2-3/8 13/16	28° 3-7/16 1-1/8	32° 4-5/16 1-7/16	37° 6 2	43° 8-7/16 2-13/16	45° 10 3-3/8	
24			8° 5/16 1/8	12° 11/16 1/4	15° 1-3/16 3/8	20° 1-15/16 11/16	23° 2-3/4 15/16	26° 3-3/8 1-1/8	30° 4-5/8 1-9/16	34° 6-1/8 2-1/16	40° 8-1/16 2-11/16	45° 12 4

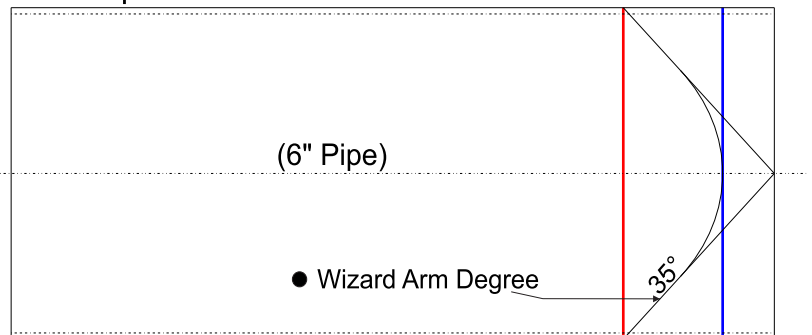
flange wizard®
Pipe Saddle Chart
Reg. No 1,015,681



(Note: All figures rounded to the nearest 1/32")

- Wizard Arm Degree
- Saddle Depth x 1.5
- Tip Round Off

Example: 6" Saddle to 8"



Example shown:

2-5/16" - 3/4" = 1-9/16" Actual Saddle Depth