

pipe branch stub in and stub on

Branch pipe ID to Header pipe OD		Branch pipe OD to Header pipe ID	
Stub - on	Stub - on	Stub - IN	Stub - IN
Equal pipe	Unequal pipe	Unequal pipe	Unequal pipe
1.5" × 1.5"	1.5" × 1.25"	1.5" × 1"	1.5" × 0.5"
2" × 2"	2" × 1.5"	2" × 1"	2" × 0.5"
3" × 3"	3" × 2.5"	3" × 2"	3" × 1.5"
4" × 4"	4" × 3"	4" × 2"	4" × 1.5"
6" × 6"	6" × 4"	6" × 3"	6" × 2"
8" × 8"	8" × 6"	8" × 4"	8" × 2"
10" × 10"	10" × 8"	10" × 6"	10" × 2"
12" × 12"	12" × 10"	12" × 8"	12" × 2"
14" × 14"	14" × 12"	14" × 10"	14" × 2"
16" × 16"	16" × 14"	16" × 12"	16" × 2"
18" × 18"	18" × 16"	18" × 14"	18" × 2"
20" × 20"	20" × 18"	20" × 16"	20" × 2"
22" × 22"	22" × 20"	22" × 18"	22" × 2"
24" × 24"	24" × 22"	24" × 20"	24" × 2"
26" × 26"	26" × 24"	26" × 22"	26" × 2"
28" × 28"	28" × 26"	28" × 24"	28" × 2"
30" × 30"	30" × 28"	30" × 26"	30" × 2"
32" × 32"	32" × 30"	32" × 28"	32" × 2"
34" × 34"	34" × 32"	34" × 30"	34" × 2"
36" × 36"	36" × 34"	36" × 32"	36" × 2"
38" × 38"	38" × 36"	38" × 34"	38" × 2"
40" × 40"	40" × 38"	40" × 36"	40" × 2"
42" × 42"	42" × 40"	42" × 38"	42" × 2"
44" × 44"	44" × 42"	44" × 40"	44" × 2"
46" × 46"	46" × 44"	46" × 42"	46" × 2"
48" × 48"	48" × 46"	48" × 44"	48" × 2"
50" × 50"	50" × 48"	50" × 46"	50" × 2"