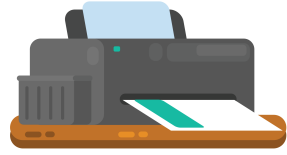


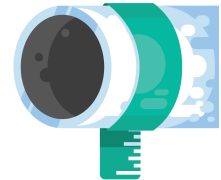
STEP 1 *Print this .pdf* | Select "Shrink oversized pages" to keep ruler dimensions accurate



STEP 2 *Cut out the ruler* | Set aside Reference Charts



STEP 3 *Measure the pipe* | Refer to pipe type Reference Chart



Copper Pipe NPS Reference Chart

Copper Pipe Size	Outside Diameter	Pipe Circumference
1/2"	5/8"	2"
3/4"	7/8"	2-5/8"
1"	1-1/8"	3-1/4"
1-1/4"	1-3/8"	4-1/8"
1-1/2"	1-5/8"	5-1/8"
2"	2-1/8"	6-5/8"
3"	3-1/8"	9-3/4"
4"	4-1/8"	13"

PVC, ABS, CPVC, Brass, and Steel Pipe NPS Reference Chart

Plastic/Metal Pipe Size	Outside Diameter	Pipe Circumference
1/2"	7/8"	2-5/8"
3/4"	1-1/8"	3-1/4"
1"	1-3/8"	4-1/8"
1-1/4"	1-5/8"	5-1/4"
1-1/2"	1-7/8"	6"
2"	2-3/8"	7-1/2"
3"	3-3/8"	11"
4"	4-3/8"	14-1/8"