

Hole Saw Size Chart for Pipe & Conduit

Hole saw sizes for PVC/ABS, copper/PEX and electrical conduit · inches (mm = inches x 25.4)

PVC / ABS	ACTUAL OD	OD MM	EASY CLEARANCE	EXACT FIT	CLEAR COUPLING
1/2"	0.840"	21.3	1"	7/8"	1-5/16"
3/4"	1.050"	26.7	1-3/16"	1-1/16"	1-7/16"
1"	1.315"	33.4	1-1/2"	1-3/8"	1-3/4"
1-1/4"	1.660"	42.2	1-13/16"	1-11/16"	2-1/8"
1-1/2"	1.900"	48.3	2-1/16"	1-15/16"	2-3/8"
2"	2.375"	60.3	2-1/2"	2-3/8" (zero)	2-7/8"
2-1/2"	2.875"	73	3"	2-7/8" (zero)	3-1/2"
3"	3.500"	88.9	3-5/8"	3-1/2" (zero)	4-1/8"
4"	4.500"	114.3	4-5/8"	4-1/2" (zero)	5-1/2"

COPPER / PEX	ACTUAL OD	OD MM	EASY CLEARANCE	EXACT FIT
3/8"	0.500"	12.7	5/8"	9/16"
1/2"	0.625"	15.9	3/4"	5/8" (zero)
3/4"	0.875"	22.2	1"	7/8" (zero)
1"	1.125"	28.6	1-5/16"	1-1/8" (zero)
1-1/4"	1.375"	34.9	1-1/2"	1-3/8" (zero)
1-1/2"	1.625"	41.3	1-3/4"	1-5/8" (zero)
2"	2.125"	54	2-1/4"	2-1/8" (zero)

CONDUIT	INTO A BOX	NEMA KNOCKOUT	THROUGH, PVC/RIGID	THROUGH, EMT
1/2"	7/8"	0.875"	1"	7/8"
3/4"	1-1/8"	1.109"	1-3/16"	1-1/16"
1"	1-3/8"	1.375"	1-1/2"	1-5/16"
1-1/4"	1-3/4"	1.734"	1-13/16"	1-11/16"
1-1/2"	2"	1.984"	2-1/16"	1-7/8"
2"	2-1/2"	2.469"	2-1/2"	2-3/8"
2-1/2"	3"	2.969"	3"	n/a
3"	3-5/8"	3.594"	3-5/8"	n/a

CONDUIT	INTO A BOX	NEMA KNOCKOUT	THROUGH, PVC/RIGID	THROUGH, EMT
4"	4-5/8"	4.641"	4-5/8"	n/a

Easy clearance = smallest saw at least 1/8" over the pipe's outside diameter (the default). Exact fit = smallest saw at least the pipe's OD; (zero) = saw equals the pipe's nominal OD: it can bind, and pipe at the top of its tolerance won't pass.

Clear coupling = Sch 40 PVC coupling hub plus 1/8". Into a box, conduit follows the NEMA knockout for its trade size: the same for EMT, PVC and rigid.

Saw sizes are ones both Lenox and Starrett sell. Check stud and joist hole limits in your local code before boring framing.