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Stonecutter

Renewable	Yes
Stackable	Yes (64)
Tool	
Blast resistance	3.5
Hardness	3.5
Luminous	No
Transparent	No
Flammable	No
Catches fire from lava	No

stonecutter is used to craft stone and copper related blocks in smaller and more precise quantities than crafting, and is more efficient than crafting for certain recipes. It also serves as a stone mason's job site block.

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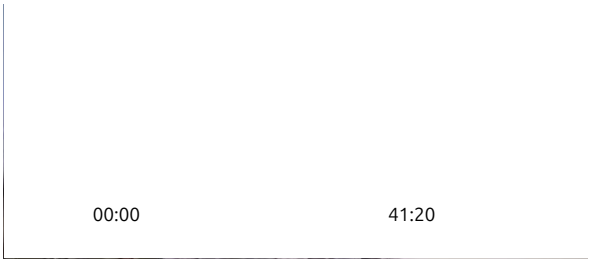

Obtaining

Natural generation

Stonecutters can generate inside stone mason houses in villages. They can also spawn in trail ruins.

Breaking

A stonecutter can be mined using any pickaxe. If mined without a pickaxe it drops nothing.[*Java Edition only*][1]

Block	Stonecutter
Hardness	3.5
Tool	
Breaking time[A]	
Default	17.5
Wooden	2.65
Stone	1.35
Iron	0.9
Diamond	0.7
Netherite	0.6
Golden	0.45

1. Times are for unenchanted tools as wielded by players with no status effects, measured in seconds. For more information, see Breaking § Speed.

Crafting

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[*Bedrock Edition only*]

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Usage

Cutting

The stonecutter can be used as an alternative to the crafting table to craft most stone-related blocks. All of its recipes require just one ingredient and produce one product (in varying quantities). It allows skipping steps to craft certain blocks; for example, a stone block can be directly turned into chiseled stone bricks, but requires multiple steps with crafting.

Interface for the Stonecutter in *Java Edition*, cutting a stone into two stone slabs.

Stonecutting is also more efficient than crafting for certain recipes. Crafting stairs is more efficient with a stonecutter than a crafting table, as 6 full blocks are crafted into 4 stairs, while stonecutter yields 1 stair per full block. The recipe for cut copper is even more efficient: with stonecutting, 1 block of copper turns into 4 blocks of cut copper, allowing the amount of copper blocks to be quadrupled.

The GUI contains a block selection menu that is empty. The menu is populated with blocks that can be crafted from that particular material, only if a block is inserted into its input.

Name	Ingredients	Cutting recipe	[hide] Description

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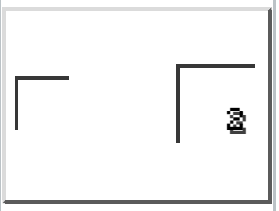
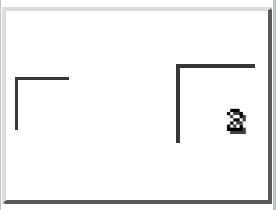
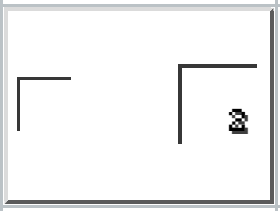
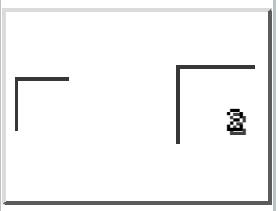
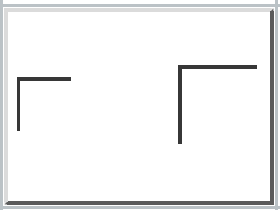
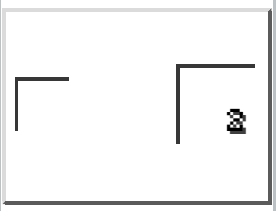
Stone Bricks			
Cobblestone Stairs or **Cobblestone Slab** or **Cobblestone Wall**	Cobblestone		
Mossy Cobblestone Stairs or **Mossy Cobblestone Slab** or **Mossy Cobblestone Wall**	Mossy Cobblestone		
Smooth Stone Slab	Smooth Stone		
Stone Brick Stairs or **Stone Brick Slab** or **Stone Brick Wall**	Stone Bricks		
Chiseled Stone Bricks	Stone Bricks		[*Java Edition only*] [2]
Mossy Stone Brick Stairs or **Mossy Stone Brick Slab** or **Mossy Stone Brick Wall**	Mossy Stone Bricks		
Granite Stairs or			

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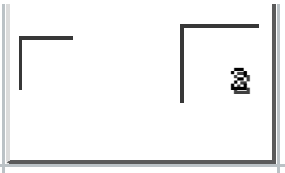
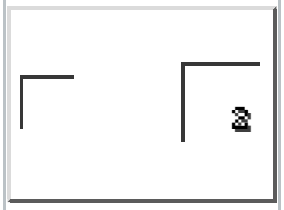
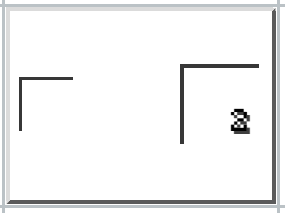
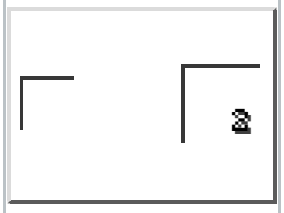
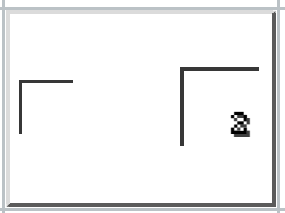
Granite Stairs or **Polished Granite Slab**	Polished Granite		
Diorite Stairs or **Diorite Slab** or **Diorite Wall** or **Polished Diorite** or **Polished Diorite Stairs** or **Polished Diorite Slab**	Diorite		
Polished Diorite Stairs or **Polished Diorite Slab**	Polished Diorite		
Andesite Stairs or **Andesite Slab** or **Andesite Wall** or **Polished Andesite** or **Polished Andesite Stairs** or **Polished Andesite Slab**	Andesite		
Polished Andesite Stairs or **Polished Andesite Slab**	Polished Andesite		
Cobbled Deepslate			

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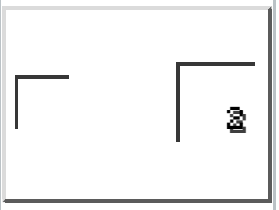
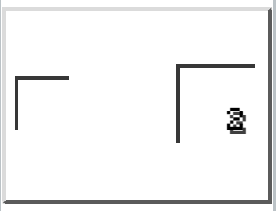
Stairs or **Polished Deepslate Slab** or **Polished Deepslate Wall** or **Deepslate Bricks** or **Deepslate Brick Stairs** or **Deepslate Brick Slab** or **Deepslate Brick Wall** or **Deepslate Tiles** or **Deepslate Tile Stairs** or **Deepslate Tile Slab** or **Deepslate Tile Wall**	Cobbled Deepslate		
Polished Deepslate Stairs or **Polished Deepslate Slab** or **Polished Deepslate Wall** or **Deepslate Bricks** or **Deepslate Brick Stairs** or **Deepslate Brick Slab** or **Deepslate Brick Wall** or **Deepslate**	Polished Deepslate		

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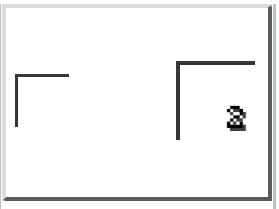
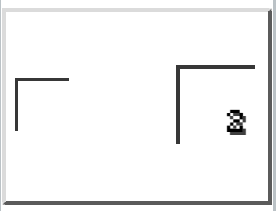
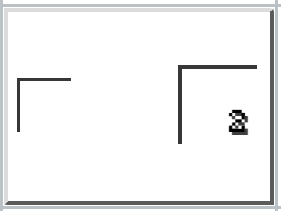
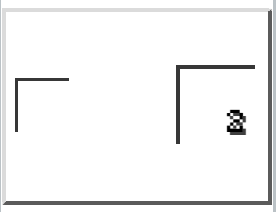
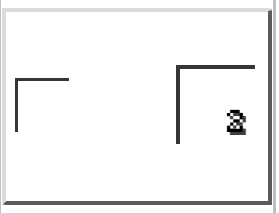
Deepslate Brick Wall or **Deepslate Tiles** or **Deepslate Tile Stairs** or **Deepslate Tile Slab** or **Deepslate Tile Wall**	Deepslate Bricks		
Deepslate Tile Stairs or **Deepslate Tile Slab** or **Deepslate Tile Wall**	Deepslate Tiles		
Brick Stairs or **Brick Slab** or **Brick Wall**	Bricks		
Mud Brick Stairs or **Mud Brick Slab** or **Mud Brick Wall**	Mud Bricks		
Sandstone Stairs or **Sandstone Slab** or **Sandstone Wall** or **Chiseled Sandstone** or **Cut Sandstone**	Sandstone		
Smooth Sandstone Stairs or **Smooth Sandstone**	Smooth Sandstone		

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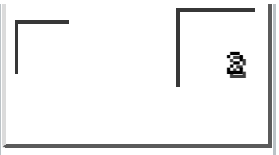
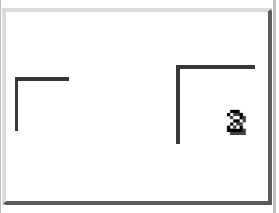
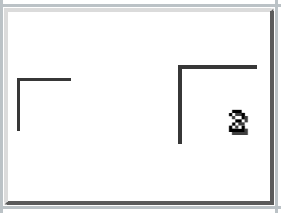
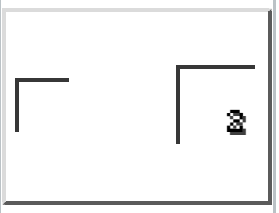
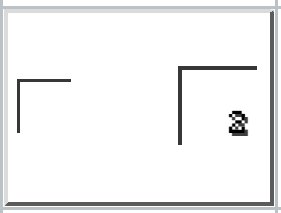
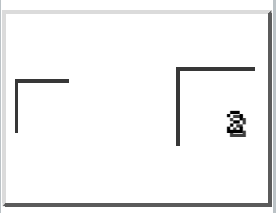
Slab or **Red Sandstone Wall** or **Chiseled Red Sandstone** or **Cut Red Sandstone**	Red Sandstone		
Smooth Red Sandstone Stairs or **Smooth Red Sandstone Slab**	Smooth Red Sandstone		
Cut Red Sandstone Slab	Red Sandstone or Cut Red Sandstone		[*Java Edition only*] [3]
Prismarine Stairs or **Prismarine Slab** or **Prismarine Wall**	Prismarine		
Prismarine Brick Stairs or **Prismarine Brick Slab**	Prismarine Bricks		
Dark Prismarine Stairs or **Dark Prismarine Slab**	Dark Prismarine		
Nether Brick Stairs or **Nether Brick Slab** or **Nether Brick Wall** or	Nether Bricks		

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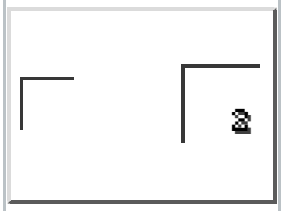
Blackstone Stairs or Blackstone Slab or Blackstone Wall or Chiseled Polished Blackstone or Polished Blackstone or Polished Blackstone Stairs or Polished Blackstone Slab or Polished Blackstone Wall or Polished Blackstone Bricks or Polished Blackstone Brick Stairs or Polished Blackstone Brick Slab or Polished Blackstone Brick Wall	Blackstone		
Chiseled Polished Blackstone or Polished Blackstone Stairs or Polished			

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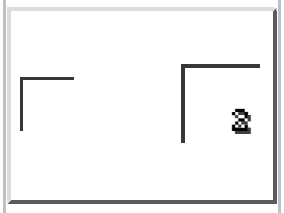
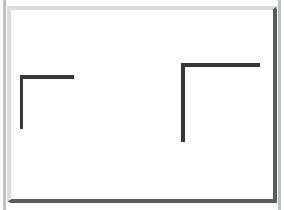
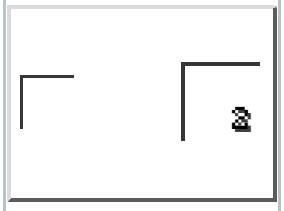
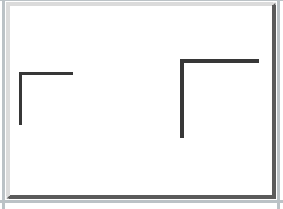
Polished Blackstone Brick Stairs or Polished Blackstone Brick Slab or Polished Blackstone Brick Wall	Polished Blackstone Bricks		
End Stone Bricks or End Stone Brick Stairs or End Stone Brick Slab or End Stone Brick Wall	End Stone		
End Stone Brick Stairs or End Stone Brick Slab or End Stone Brick Wall	End Stone Bricks		
Purpur Pillar or Purpur Stairs or Purpur Slab	Purpur Block		
Quartz Stairs or Quartz Slab or Chiseled	Block of		

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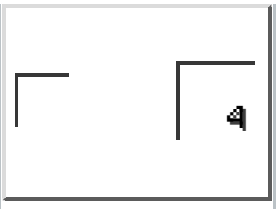
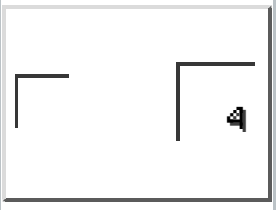
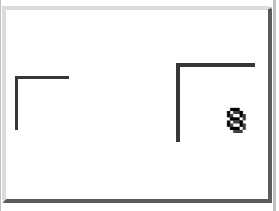
Exposed Cut Copper or **Weathered Cut Copper** or **Oxidized Cut Copper**	Copper or Exposed Copper or Weathered Copper or Oxidized Copper		
Waxed Cut Copper or **Waxed Exposed Cut Copper** or **Waxed Weathered Cut Copper** or **Waxed Oxidized Cut Copper**	Waxed Copper or Waxed Exposed Copper or Waxed Weathered Copper or Waxed Oxidized Copper		
Cut Copper Slab or **Exposed Cut Copper Slab** or **Weathered Cut Copper Slab** or **Oxidized Cut Copper Slab** or **Cut Copper Stairs** or **Exposed Cut Copper Stairs** or **Weathered Cut Copper Stairs** or **Oxidized Cut Copper Stairs**	Block of Copper or Exposed Copper or Weathered Copper or Oxidized Copper		
Cut Copper Slab or			

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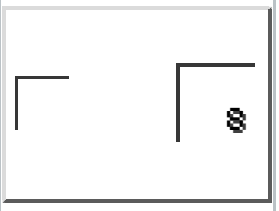
Stairs or **Weathered Cut Copper Stairs** or **Oxidized Cut Copper Stairs**			
Waxed Cut Copper Slab or **Waxed Exposed Cut Copper Slab** or **Waxed Weathered Cut Copper Slab** or **Waxed Oxidized Cut Copper Slab** or **Waxed Cut Copper Stairs** or **Waxed Exposed Cut Copper Stairs** or **Waxed Weathered Cut Copper Stairs** or **Waxed Oxidized Cut Copper Stairs**	Waxed Copper or Waxed Exposed Copper or Waxed Weathered Copper or Waxed Oxidized Copper		
Waxed Cut Copper Slab or **Waxed Exposed Cut Copper Slab** or			

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Copper Stairs or **Waxed Weathered Cut Copper Stairs** or **Waxed Oxidized Cut Copper Stairs**			

Changing profession

If a village has a stonecutter that has not been claimed by a villager, any nearby villager who has not yet chosen a job site block has a chance to change their profession to a stone mason.

Note Blocks

Stonecutters can be placed under note blocks to produce "bass drum" sounds.

Sounds

Generic

Java Edition:

Sound	Subtitles	Source	Description	Resource location	Translation key	Volume	Pitch	[Collapse] Attenuation distance
	Block broken	Blocks	Once the block has broken	`block.stone.break`	`subtitles.block.generic.break`	1.0	0.8	16
	Block placed	Blocks	When the block is placed	`block.stone.place`	`subtitles.block.generic.place`	1.0	0.8	16
	Block breaking	Blocks	While the block is in the process of being	`block.stone.hit`	`subtitles.block.generic.`	0.25	0.5	16

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Bedrock Edition:

Sound	Source	Description	Resource location	Volume	[Collapse] Pitch
	Blocks	Once the block has broken	`dig .stone`	1.0	0.8-1.0
	Blocks	When the block is placed	`dig .stone`	1.0	0.8-1.0
	Blocks	While the block is in the process of being broken	`hit .stone`	0.37	0.5
	Players	Falling on the block with fall damage	`fall .stone`	0.4	1.0
	Players	Walking on the block	`step .stone`	0.3	1.0
	Players	Jumping from the block	`jump .stone`	0.12	1.0
	Players	Falling on the block without fall damage	`land .stone`	0.22	1.0

Unique

Java Edition:

Sound	Subtitles	Source	Description	Resource location	Translation key	Volume	Pitch	[Collapse] Attenuation distance
	Stonecutter used	Blocks	When a block is taken from the result	`ui .stonecutter .take_result`	`subtitles .ui .stonecutter .take_result`	1.0	1.0 [sound 1]	16
	Mason	Friendly	Randomly while a	`entity`	`subtitles entity`		0.8-1.2	

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		the result			
	Blocks	Randomly while a stone mason is working	`block` `.stonecutter` `.use`	0.7	*varies* [sound 1]

1. Can be 1.0 or 0.92 for each sound

Data values

ID

Java Edition:

Name	Identifier	Form	Translation key
Stonecutter	`stonecutter`	Block & Item	`block.minecraft.stonecutter`

Bedrock Edition:

Name	Identifier	Numeric ID	Form	Item ID[i 1]	Translation key
Stonecutter	`stonecutter_block`	`452`	Block & Giveable Item[i 2]	Identical[i 3]	`tile.stonecutter_block.name`

1. ID of block's direct item form, which is used in savegame files and addons.
2. Available with `/give` command.
3. The block's direct item form has the same id as the block.

Block states

Java Edition:

Name	Default value	Allowed values	Description
facing	`north`	`east` `north` `south`	The direction the stonecutter is facing. The opposite from the direction the player

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facing_direction (Hidden[upcoming: BE 1.20.40])	`0x1` `0x2` `0x4`	`0`	`2` `3` `4` `5`	`2` `3` `4` `5`	player faces when placing a stonecutter. • 2: North facing stonecutter • 3: South facing stonecutter • 4: West facing stonecutter • 5: East facing stonecutter
			`0` `1`	`0` `1`	Unused
minecraft:cardinal_direction[upcoming: BE 1.20.40]	Not Supported	`north`	`east` `north` `south` `west`	`Unsupported`	The direction the stonecutter is facing. The opposite from the direction the player faces when placing a stonecutter.

History

See also: Stonecutter (old) § History

Java Edition		
	18w44a	Added stonecutters.
		Stonecutters are currently obtainable only from the creative inventory and do not have any functionality.
	18w46a	The stonecutter's texture has been changed. The stonecutter's blade now has an animated texture.

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	19w04b	Added additional recipes: andesite, diorite and granite to polished variant slabs and stairs, and smooth stone into smooth stone slabs.
	19w11a	Stonecutters now serve as mason villagers' job site block.
	19w12a	Cut sandstone and cut red sandstone, as well as their slabs, can now be crafted with the stonecutter.
	19w13b	Chiseled stone bricks can now be crafted from stone bricks.
1.17	**21w05a**	Copper block and cut copper variants can now be crafted with the stonecutter.
	21w07a	Deepslate can now be used in the stonecutter to produce its variants.
	21w13a	The model of the stonecutter has been tweaked so that the backside of the saw texture is mirrored.
1.18	**21w40a**	A block of copper can now be converted to 4 blocks of cut copper when using the stonecutter.
1.19	**22w11a**	Mud bricks can now be used in the stonecutter to produce its variants.
1.20	**23w12a**	Stonecutters now generate in trail ruins.
Bedrock Edition		
1.10.0	**beta 1.10.0.3**	Added the new stonecutter, a separate block from the old stonecutter, but with the same name.
		Stonecutters currently do not have any functionality and can be obtained only with experimental gameplay on.
1.11.0	**beta 1.11.0.1**	Added stonecutter functionality.
	2	Stonecutters are now available outside experimental gameplay and

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1.20.40	**beta 1.20.40.20**	`minecraft:cardinal_direction` block state instead of `facing_direction`.
PlayStation 4 Edition		
1.91		Added stonecutters.
		Stonecutters show all possible blocks that can be crafted, instead of just craftable blocks, when manual crafting is off; unlike *Java* and *Bedrock* showing only craftable blocks.[more information needed]

Issues

Issues relating to "Stonecutter" are maintained on the bug tracker. Report issues there (https://bugs.mojang.com/issues/?jql=project%20in%20%28MC%2C%20MCPE%29%20and%20%28resolution%20is%20empty%20or%20resolution%20in%20%281%2C%202%2C%206%29%29%20and%20%28summary%20~%20%22Stonecutter%22%29%20order%20by%20resolution%20desc).

Trivia

- Even though the iron blade appears to be spinning rapidly, it deals no damage and has no hitbox.
- The stonecutter was most likely based on the old Bedrock Edition stonecutter, as it has similar functionality.

Gallery

The old stonecutter compared to the new one.

First image of the new stonecutter.

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Blocks	**[Collapse]**
Natural	**[Expand]**
Biota	**[Expand]**
Building	**[Expand]**
Utility	**[Collapse]**
Interactable	Anvil (Chipped Damaged) Barrel Beacon Brewing Stand Cartography Table Chest (Ender) Chiseled Bookshelf Crafting Table Enchanting Table Fletching Table Furnace (Blast Smoker) Grindstone Lectern Loom Shulker Box Sign (Hanging) Smithing Table **Stonecutter**
Utilizable	Banners Beehive Beds Bell Cake (with Candle) Campfire (Soul) Cauldron (Lava Powder Snow Water) Composter Conduit End Gateway End Portal End Portal Frame Farmland Flower Pot Frosted Ice Heads Item Frame (Glow) Jukebox Ladder Lodestone Monster Spawner

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***BE* & *edu* only**	Allow Compound Creator Colored Torches Deny Element Constructor Heat Block Lab Table Material Reducer Underwater TNT Underwater Torch
Creative only	[Expand]
Commands only	[Expand]
Unimplemented	[Expand]
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