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to be used without the need for scraping.

If you aren't concerned about getting straight edges, you can also cut PVC pipe in half lengthwise using a rotary tool with a circular wood-cutting blade attachment. You'll need to clamp the pipe to a work surface to stabilize it, and you'll have to make two cuts: one along one side of the pipe and one along the other. To facilitate this, it's best to use a pipe slightly longer than what you need so you can keep the ends clamped until you cut both sides. When both cuts are complete, release the clamps and cut off both ends of the pipe with a hacksaw. Plastic pipe is a type of pipe made from various plastic materials. We use for in various applications, including water, gas, and oil pipelines, as well as agricultural irrigation. The plastic pipe is flexible, resistant to corrosion, and easy to install. Cutting plastic pipe may not be the most exciting thing you do, but it is vital if you want to get a new pipe. Most of us don't cut plastic pipes often; when we do, it's usually an emergency. But the next time you need to cut a plastic pipe, some easy tips for cutting plastic pipe will help you cut it easily and quickly. There are many other ways to cut plastic pipes, but these are the easiest ones. So without further ado, let's get into the steps of cutting plastic pipe. The Right Tools For The Job To cut plastic pipes, you will need the right tools for the job. You can use a hacksaw to cut the pipe lengthwise, a pipe cutter to cut the pipe into the desired length, a jigsaw to cut the pipe into the desired shape, a hammer and nails to attach the pieces of pipe, and a caulking gun to seal the seams and finish the project. You can each tool has its specific function and creates a durable and professional-looking cut. Using these tools will help you cut plastic pipes easily and quickly. 6 Simple Steps How To Cut Plastic Pipe Easily And Quickly Plastic pipe is a type made from plastic used to convey water, gas, oil, or other fluids. It is often used in construction and can be found in residential, commercial, and industrial settings. In today's world, plastics are everywhere - they make up our food packaging, drink bottles, toys, and other products. If you'd like to cut plastic pipes easily and quickly, follow the steps outlined above. To begin, use a hacksaw to cut the pipe into manageable lengths. Here are 6 Simple Steps To Cut Plastic Pipe Easily and Quickly: 1. Prepare The Area Before cutting the plastic pipe, it's important to prepare the area. Clear away any objects or furniture that could get in the way. Make sure the surface is clean and free of any grease or oil. Wipe the surface with a dry cloth to remove any dust or debris. Use a sharp utility knife to cut the plastic pipe into desired lengths for the best results. Once you have prepared the area, you are ready to start cutting the pipe. Take your time and be careful not to cut too far or deep. This will ensure that you don't damage the pipe or yourself in the process. Remember, precision is key for a successful cut. 2. Remove The Old Pipe To cut the plastic pipe, you will first need to remove the old pipe. If the pipe is screwed into the wall, use a screwdriver to remove the screws holding the pipe in place. Next, use pliers to grip the side of the pipe and pull it out. After the old pipe has been removed, you can start cutting the new pipe as needed. You can use a hacksaw to cut plastic pipes into smaller pieces or a pair of pliers to pierce through the pipe and cut it with a knife or other tool. It's best to wear protective gear when working with plastic pipes, such as eye protection, a respirator, and gloves. 3. Cut A Small Hole In One End Of The Pipe Cutting a small hole in the pipe end is vital for removing the sealant when cutting plastic pipe. The hole should be no bigger than the size of the sealant, and we should place it close to the end of the pipe. After making the hole, use a pair of pliers to remove the sealant. The finished product will look similar to a cut piece of wire. Use a sharp utility knife to carefully slice through the pipe to ensure a clean cut. Remember to wear safety glasses, gloves, and work clothes when handling pipe. 4. Clean Up Any Debris When cutting plastic pipes, it is important to clean up any accumulated debris. It's important to clean up the work area to ensure that you don't damage the pipe or surrounding items. You will also want to clean the saw's blade with a cloth after each cut to ensure that the pipe is cut smoothly and efficiently. When cutting plastic pipe, it is important to take note of the pipe diameter and length, as well as the diameter of the fitting. These details will help you cut the pipe in half accurately and safely. 5. Cut The Plastic Pipe With A Hacksaw Or A Sharp Knife If you're looking for a quick and easy way to cut plastic pipe, you should try using a hacksaw or a sharp knife. Hacksaws are usually easier to use because they have an adjustable blade, making precision cuts possible. However, be careful not to slip and hurt yourself - hacksaws can be dangerous if used incorrectly. Sharp knives are also effective at cutting plastic pipe, but they require more finesse because the blade can easily rip the pipe apart. If you're unsure how to use a sharp knife, it's best to ask someone more experienced with this type of tool. 6. Putty And Paint To Seal And Finish If you're working with a plastic pipe that has been cut or damaged, you may need to seal and finish the cuts. To do this, you may need to use putty and paint. Putty is a type of glue applied to a pipe to fill the gaps between the pieces of pipe, while paint is a type of paint used to cover up the putty. You can apply putty or paint by hand or using tools such as sandpaper or a PVC pipe cutter. Sealing and finishing pipe cuts with putty will protect the pipe from water and other elements, while painting will add a decorative finish. Both methods require patience and accuracy but are effective ways to finish your plastic pipe repairs. Why Is Plastic Pipe So Popular? Plastic pipe is extremely popular because it's durable, flexible, and easy to use. It also doesn't corrode or rust, which makes it a good choice for applications where exposure to water and other elements is a concern. One of the most common uses for plastic pipes is in plumbing. It's used to connect different parts of a system, and it can handle high pressures and temperatures without breaking. This makes it ideal for pipelines that transport oil, gas, water, or other fluid materials. Plastic pipe is also popular for its aesthetic appeal. It's inexpensive to produce and easy enough to modify or customize that we can use it in a variety of different applications. Its sleek appearance makes it perfect for installations that need to look professional. Conclusion When it comes to plastic pipes, be sure you do not use rusty ones. If you do so, the pipes will swell and burst when placed under pressure. That's why we always suggest regular maintenance of them to avoid any hazards. If there is any emergency, don't hesitate to contact us or install a water leak detector like Water Sensor that can alert us if there is a leakage in your home. Now that you know how to cut plastic pipes easily and quickly, you no longer need to worry about cluttering your workspace with plastic cutters. Besides, it's a lot safer than using an alternative tool for cutting the pipe. If you still feel like practicing on plastic cutters, prepare some cut-out gloves to protect your hands and start cutting. Frequently Asked Questions [rank math, rich snippet id="s-1c77515b-fda1-4f95-90e8-8a1208260c65"] I am passionate about home engineering. I specialize in designing, installing, and maintaining heating, ventilation, and air conditioning systems. My goal is to help people stay comfortable in their homes all year long. Cutting a PVC pipe across its width may be a common occurrence in your job or your DIY projects and renovations, however, there are some jobs that call for a PVC pipe to be cut along its length. In these instances, it can be a lot more of a challenge to ensure that your cut is straight all the way along and if you have ever cut PVC before, you will know how important it is that the edge is straight to create a flush joint. In this article, we will give you a step-by-step guide on how to cut straight down the middle of a PVC pipe to make your pvc project a breeze. There are a few reasons why you might need to cut your PVC piping in half lengthwise for your project. The most common reason to cut PVC pipes lengthwise is to repair or replace the guttering on your home or building. A PVC pipe cut in half can be a cheap and easy way to repair damaged guttering pipes without purchasing brand new guttering. Other reasons for cutting PVC pipes lengthwise can be to make an easy casing for wires or pipes, create a trough for hydroponics, and even cap a fence. All of these reasons require a straight and smooth edge to be created in order for the piping to work as intended. For tips on creating smooth edges for your PVC pipe projects, take a look at our guide on How to smooth out the edges of PVC. While it is possible to cut PVC piping with a table saw, it is not the ideal choice. A table saw has quite a thick blade which can reduce the amount of pipe you have to work with after you have cut it. If you are using a large PVC pipe this can be less of a concern, however, if you are using a smaller diameter pipe, it makes a significant difference. Another issue with a table saw is that the risk of kickbacks is quite high and can result in the pipe material straight more difficult. The ideal tool for cutting PVC piping lengthwise is a hand saw. The risk of kickbacks is significantly smaller with this type of blade which increases the safety and smoothness of the cut. A hand saw's blade is a pipe diameter than that of a table saw and so you lose less of the pipe diameter when you are cutting it, which is great for smaller piping. If you own a hand saw or have access to one, it is the better option.Want to learn more about using different tools for working with PVC? Check out our post on How to properly bevel PVC pipe. However, other popular methods for cutting pipes are scissor style cutters, a hacksaw, a hand saw, or a mitre. Consider the size of the pipes, as short pipes may need more delicate equipment to get a clean cut. The most effective way to ensure that you cut your PVC pipe straight is to build a jig that can both hold the pipe in place and create a guide for the saw. Interested in learning how to create a jig for your PVC cutting projects? We've got a detailed guide on How to cut PVC pipe lengthwise. Below, we will outline a step-by-step guide to building a suitable jig to keep the pipe secure and create a straight cut. The first step in building a jig to assist in the cutting of the pipe is to measure the diameter and length of the pipe. Make sure that you do this accurately because if your jig is too big or too small it will no longer be as effective. You should also be using a workbench so that you have a good flat surface as a base. Once you have gotten your measurements, it is time to create the jig. Using plywood that is around ¾ inch thick is best for this step. Your jig or box only needs to have three sides to it, essentially a bottom and two long sides. The short ends of the box should be left open to allow you to securely hold the pipe in place during the cutting process. The jig should be the same length as the piece of pipe that you are cutting. If you are cutting multiple pieces of PVC pipe that are different lengths, you will need to build separate jigs for each length. The bottom of the jig that will be placed against the saw fence should be the same height as the full diameter of the pipe so that it will hold the pipe properly. The two long sides of the jig should be half the pipe's diameter in height so that they only extend halfway up the pipe. It is this edge that will act as the guide to help you achieve a straight line. Fix the three sides to each other using wood glue and nails or screws. Ensure that the nails or screws will not come into contact with the saw blade. Once the jig has been made and the glue is sufficiently dry, it is time to position the pipe in the box. Exactly half of the pipe's diameter should be sticking out of the box all the way along. A spirit level can be used to ensure that the guide edge is straight before you begin cutting. You should also mark your pipe where you want to cut to ensure you've got the right placement down to the inch. It is important to ensure that the pipe is not going to move during the cutting process, this is where the open ends come in handy. To do this, you can use a small screw at either end of the pipe to affix it to the jig while you cut. However, if holes in the pipe are going to affect its usage, you can clamp the pipe. To do this, use small clamps to secure it to the base of the jig. Line the jig and pipe up with the saw blade ensuring that the blade is positioned in the center of the pipe's diameter. Set the saw fence at the correct position to allow you to press the base of the jig against it. The base of the jig should be positioned vertically and the half-width sides should do the top and bottom of the jig when it is on the saw base. Once securely clamped, and you have the pipe steady, you can cut the pipe. Keeping the bottom of the jig placed flat against the fence, gently push the pipe through the saw. The fine toothed blade of the saw should run just along the edge of the jig sides to create a straight cut. Once you have cut all the way through you can remove any burrs with sandpaper or a utility knife. When cutting a PVC pipe lengthwise, preparation is key. A jig is an essential tool for this job. Although building a jig for each piece of piping can feel labor-intensive and lengthy, it is worth it to ensure that you get a straight, smooth cut each time, whether you use a hacksaw, a mitre, hand saw, mitre box, a pvc cutter, or any type of tool. With our advice, you can make your pvc project a lot easier! Sometimes, home improvement doesn't always go exactly to plan, and that PVC pipe you were certain would fit is now too large for the job. Luckily, there are many ways to cut PVC piping to make those 'won't quite fit' pieces fit like a glove. But what are the best methods for cutting PVC pipe? First and foremost, there are a few different things we could mean when we discuss shaving down polyvinyl chloride piping. This could refer to reducing the exterior dimensions, widening the interior dimensions, or reducing the interior dimensions. It could also refer to narrowly cutting small amounts from the raw edge. For each of these things, different techniques can be used with basic tools. When adjusting the dimensions of PVC piping, there are some methods that are better than others. Perhaps the simplest, and the one that creates the best finish, is the use of regular sandpaper, which works to cut edges of a plastic pipe. Another method is to make a slit lengthwise down one of the PVC piping, then overlap, enough to make it the right fit, before either applying PVC cement or glue, or wrapping with plenty of waterproof tape to hold it in place and keep it watertight. However, the problem might not be with the exterior, and the connection problems in the piping could be a result of too loose a fit on the inside of the other pipe. There are several methods you can use for this, ranging from waterproof electrical tape to thicken the inserted pipe, using a pipe filler (a specially purchased component to reduce the interior dimensions), or use any kind of seal or filler to reduce how much give the connected pipes have. Sandpaper can also be useful for doing this, as you can insert a rolled piece of sandpaper inside the PVC piping, and then sand some away in a rotational motion. If you need to shave a few millimeters from the end of the pipe, then there are several ways to do this. This could be done with sandpaper, a mitre saw blade, or a hand saw. Just make sure to use a mitre box with mitre saws to prevent damaging the surroundings of the pipe. Now let's discuss the actual methods themselves in a little more detail. This is quite simply the easiest method for narrowing the exterior of the PVC piping to make a better fit. Before you begin this, you have to consider what type of sandpaper you want to use. There are several different thicknesses, grit types, and sizes, but for PVC plastic, the best type to use is fine grit sandpaper. The best way to begin is to secure the pipe in those clamps to ensure good purchase, then wrap the sandpaper over the edge of the pipe, with one half inside and the other half outside, before circling the sandpaper around the edge repeatedly. This should be done for as long as you need, and before long, you will notice that the dimensions have been narrowed. The next method, whilst more complex, can also be a good method for narrowing a pipe for a better fit. First, take the section of pipe you want to insert into the hole (or another pipe), then use a narrow hacksaw to make a short incision about four inches lengthwise. Then overlap the split end, creating a slight cone shape with the end, before inserting it into the hole or pipe, and sealing with either glue, sealant, or waterproof tape. Alternatively, there are several ways to narrow the dimensions of the interior of the pipe to create a tighter seal around the inserted end. One of the easiest ways to establish a tighter connection by narrowing the interior of the pipe, is through using a pipe filler flange. These are adapted fittings which can be inserted inside of the pipe, narrowing the interior and creating a tighter connection. These are relatively cheap to buy, and can be picked up from any hardware store, but more than anything, they are probably the simplest, most stress-free method. The same effect can be achieved with an even cheaper method, albeit one that potentially requires a little more work and is not for creating a water-tight seal. This involves tacking waterproof tape, like electrical tape, and layering it around the end of the pipe to be inserted, thus making a tighter seal. It is worth saying that even waterproof tape will degrade and lose adhesive capabilities over time, making alternative methods like using a chamfer tool more reliable for a long-term solution. This can be done using sandpaper once again, inserting it inside of the pipe and sanding in a twisting motion. After time this will begin to widen the dimensions of the inner pipe somewhat, allowing a better fit. When trimming the edge, there are two methods you can use. After first securing the pipe in a vice or clamp, you can then create a thick fold of sandpaper and rub at the edge of the pipe to reduce the length. This pipe cutter method only really handy for minor adjustments, and anything greater will take much longer to accomplish. If the amount is greater than a centimeter or two, then the quickest way might be to use a hand saw tool. These are handy in small spaces, and if used with a vice to secure the pipe, can be used to neatly shave off the required amount. The important thing to remember is to secure the pipe firmly and to mark the cutting point on the pipe. And there we have it, everything you need to shave down the dimensions of PVC piping to make a smooth pipe. Remember, mistakes happen when doing home improvement, but with a little effort, a little patience, and the right tools, you can get the job done quickly and to a high standard. Cutting PVC pipe can be tricky at the best of times, mainly due to the fact that the nature of plastic makes it slippery and hard to get good purchase whilst cutting. But what about when you are cutting a long section of pipe lengthwise? There can be many reasons why you might need PVC piping cut in half lengthwise. It could be as an end cover for some wooden or metal fencing, or as a trough for a hydroponics system. Before you get started, there are several things you need to think about. Perhaps most importantly, the first thing which needs to be done is making sure you have the right length of PVC piping for the task at hand. You should measure the distance you are wanting to pipe with a tape measure, or indeed the length of the thing you want to cover, and then measure your pipe accordingly. If there is too much, then you can always mark off a section to remove before you begin. Similarly, when cutting a line lengthwise down plastic piping, it is important to measure and draw a straight line down the entire pipe to ensure the best results when cutting. The curved nature of piping will cause it to distort if you try to cut a PVC pipe free hand, and so scoring or drawing a line in the plastic is the overall easiest way. Of course, as with any home improvement project, it is the tools that maketh the man. In this case, you will need something to secure the piping with, either a clamp, several clamps, or a desk vice, various cutting tools (depending on the length of the piping), a measuring tape, and something to mark out a straight line (or cutting point) such as chalk. Choosing the right saw can be tricky, especially for an unconventional job such as this. That being said, each one has varying degrees of efficacy, and certain factors which might help you make your decision. Whilst a hacksaw might be the most obvious choice, and one that most people have access to, it does require more effort, especially on long lengths of plastic. It could also be hard to find purchase when cutting, or indeed to leave a clean and straight finish. Table saws can be an effective and quick way to cut plastic, however keeping the pipe straight and secure can be tricky, especially when dealing with long lengths. A hand saw can be an effective choice, as it allows mechanized cutting, whilst still enabling lightweight, handheld dexterity. So, it will help to keep the pipe steady while providing a straight cut with the sharp saw blade. For alternative methods of cutting PVC pipe without a proper pipe cutter, check out this guide. Whilst these are generally used for curved lines, or intricate detailing, with the right amount of patience, the right attachment, and the right amount of care, it is possible to achieve the end you want. To achieve a good finish, there are three main methods you could use to secure the length of pipe and get a nice, clean lengthwise cut. As always, make sure to wear appropriate gear such as eye protection. The first method, and perhaps the most useful, is to create a small pipe jig, or framework, to hold the pipe in place during cutting. This doesn't require much work, and can consist of a relatively simple design of two pieces of wood to hold the pipe in place. The best way to do this is to create an open-ended box (like a mitre box), the same length and width as the pipe, which you can slide it into ready for cutting. The inside of the box should be the same length as the pipe diameter. This can be done using plywood, particle board, or medium-density fiberboard, and requires the attachment of two thinner, long pieces atop another wooden board. These can be attached using either wood glue or nails, and the job doesn't need to be expertly done to be effective - all it needs is sturdiness. This is especially useful when using a jigsaw or a table saw, and with the latter, the best method is to drill a nail through the pipe horizontally, attaching one end to the wooden jig, and then running the entire thing - jig, pipe, and all - through the table saw in a slow but purposeful movement. Then, simply cut down the chalk line until you have two halves of the pipe! Another, perhaps more fiddly, method, is to use a low strength glue to attach the pipe to a piece of scrap wood. This process works best when using a jigsaw or a hacksaw, as they don't put too much pressure or force on the pipe and the wood, thus having a better chance of staying straight and secure. Once you have done this, you can then use your chosen method of sawing, before dissolving the glue with hairspray when the job is done. This works best when using a hot glue gun or some similar adhesive method, and the hairspray should be sprayed liberally along the glued portion to dissolve it fully. Alternatively, you can also use a rotary tool with a circular wood cutting attachment on the end. The pipe will need to be clamped with either a vice or similar implement, before you can get started. Whilst this is not as precise or as neat as using the above methods, it is ideal if a clean cut isn't needed, or if too much precision isn't required. Alternatively, if you do indeed have a vice on your workbench, or several clamps and a flat surface, you can always use these to hold the thing steady. This can be used in collaboration with a hacksaw or a jigsaw, and would probably work best if done in short sections at a time, moving and readjusting the clamps or the vice when moving onto another section. And there we have it, everything you need to know about cutting PVC piping lengthwise. The important things to remember are safety, planning, proper measurements, and using the right tools for the job. Also, for a generally safer operation, a helpful hand is always advised when using power tools! If you're interested in learning more about shaping or shaving down PVC piping, you can find additional tips in this guide." Measure and mark the desired length of the cut on the PVC pipe using a measuring tape and marker. Place the PVC pipe on a stable work surface and align the marked cutting line with the saw guide. A dedicated PVC pipe cutter provides a clean and precise cut without the need for a saw.Cutting PVC pipe lengthwise with a circular saw is a common task for plumbers, DIY enthusiasts, and construction workers. While it may seem like a straightforward process, there are certain techniques and precautions that must be taken to ensure a clean and accurate cut. This comprehensive guide will provide you with step-by-step instructions, safety tips, and expert advice on how to cut PVC pipe lengthwise with a circular saw.Safety PrecautionsBefore you begin, it is crucial to prioritize safety. Wear appropriate protective gear, including safety glasses, gloves, and earplugs. Ensure that your circular saw is in good working condition and the blade is sharp. Always use a saw guide or fence to control the cut and prevent kickback. Materials and ToolsTo cut PVC pipe lengthwise, you will need the following materials and tools:PVC pipeCircular sawSaw guide or fenceMeasuring tapeMarkerSafety glassesGlovesEarplugsStep-by-Step Instructions1. Measure and Mark the Cutting Line.Measure and mark the desired length of the cut on the PVC pipe using a measuring tape and marker. Ensure that the line is straight and perpendicular to the pipe's axis.2. Set Up the Saw Guide.Attach the saw guide or fence to the circular saw. Adjust the guide to the desired cutting width, which should be slightly wider than the thickness of the PVC pipe.3. Position the Pipe and Saw.Place the PVC pipe on a stable work surface and align the marked cutting line with the saw guide. Securely hold the pipe in place using clamps or a vise.4. Adjust the Blade Depth.Adjust the blade depth of the circular saw to be slightly deeper than the thickness of the PVC pipe. This will ensure a clean and complete cut.5. Start the Cut.Hold the saw firmly and start the blade. Slowly guide the saw along the saw guide, applying gentle pressure. Keep the blade perpendicular to the pipe's surface.6. Continue the Cut.Continue cutting along the marked line, keeping the saw guide firmly against the pipe. Avoid applying excessive pressure, as this can cause the pipe to crack or shatter.7. Finish the Cut.Once you reach the end of the cutting line, release the trigger and allow the blade to stop completely. Carefully remove the cut piece of PVC pipe.Tips for a Clean and Accurate CutUse a sharp circular saw blade specifically designed for cutting plastics.Clamp the pipe securely to prevent movement and ensure a straight cut.Start the cut slowly and gradually increase the speed as you progress.Keep the saw guide firmly against the pipe throughout the cut.Avoid applying excessive pressure, as this can damage the pipe or cause the saw to bind.If the cut is not clean, adjust the blade depth or the saw guide and try again.Troubleshooting Common Problems1. The Cut is Not Straight:Ensure that the saw guide is properly aligned and securely attached.Check that the pipe is clamped securely and not moving during the cut.Adjust the blade depth to be slightly deeper than the thickness of the pipe.2. The Pipe Cracks or Shatters:Reduce the blade depth and apply less pressure while cutting.3. The Saw Binds Up:Adjust the blade depth to be slightly deeper than the thickness of the pipe.Clean the saw blade and remove any accumulated debris.Reduce the cutting speed and apply less pressure.While a circular saw is a common tool for cutting PVC pipe lengthwise, there are other methods you can consider:PVC Pipe Cutter: A dedicated PVC pipe cutter provides a clean and precise cut without the need for a saw.Hand Saw: A fine-toothed hand saw can be used to cut PVC pipe, but it requires more effort and may not be as accurate.Utility Knife: For thin-walled PVC pipes, a sharp utility knife can be used to score and snap the pipe.The Final Wrap-UpCutting PVC pipe lengthwise with a circular saw is a straightforward process with the right tools and techniques. By following the steps outlined in this guide and adhering to safety precautions, you can achieve clean and accurate cuts every time. Remember to prioritize safety, use sharp blades, and practice patience for optimal results. With a little practice, you'll master the art of cutting PVC pipe lengthwise like a pro.Frequently Asked QuestionsQ1. Can I use a regular circular saw blade to cut PVC pipe?A. No, it is recommended to use a circular saw blade specifically designed for cutting plastics, as it will produce cleaner cuts and prevent the pipe from shattering.Q2. How do I prevent the pipe from cracking while cutting?A. Support the pipe on both sides of the cut to prevent it from flexing. Use a sharp blade and adjust the blade depth to be slightly deeper than the thickness of the pipe.Q3. What is the best way to cut thin-walled PVC pipe?A. For thin-walled PVC pipes, a sharp utility knife can be used to score and snap the pipe. Alternatively, a PVC pipe cutter or a hand saw with fine teeth can be used. Whether you're a seasoned DIY enthusiast or a novice venturing into the world of home repairs, this comprehensive guide will empower you with the knowledge and skills to make clean, precise cuts along the length of PVC pipes.Clamp the pipe securely to a stable surface or use a vise to hold it in place. If you're not confident in your freehand cutting skills, consider using a guide or template to ensure a straight cut.Cutting PVC pipe lengthwise by hand may seem like a daunting task, but with the right tools and techniques, it can be a breeze. Use a saw blade with fewer teeth per inch (TPI) Support the pipe on both sides of the cut to prevent it from flexing.3. The Saw Binds Up:Adjust the blade depth to be slightly deeper than the thickness of the pipe.Clean the saw blade and remove any accumulated debris.Reduce the cutting speed and apply less pressure.While a circular saw is a common tool for cutting PVC pipe lengthwise, there are other methods you can consider:Circular Saw: A circular saw with a fine-toothed blade can make quick and precise cuts.Angle Grinder: An angle grinder with a cut-off wheel can quickly cut through PVC pipe, but requires careful handling.PVC Pipe Cutter: A specialized PVC pipe cutter is designed specifically for cutting PVC pipes and can provide clean, burr-free cuts.Deburr the Edges: Use a utility knife or file to remove any burrs or rough edges from the cut.Clean the Cut: Wipe down the cut surface with a damp cloth to remove any dust or debris.Prime and Glue: If you're connecting the cut pipe to another piece, apply primer and glue to the edges for a strong bond.Once you've mastered lengthwise cutting, you can explore other techniques for working with PVC pipe:Cutting at an Angle: Use a mitre saw or protractor to cut PVC pipe at specific angles.Making Holes: Drill holes in PVC pipe using a drill bit designed for plastic.Joining Pipes: Connect PVC pipes together using glue, solvent cement, or mechanical fittings.Pipe is Moving: Secure the pipe firmly with clamps or a vise.Cut is Uneven: Use a sharp blade and apply gentle, even pressure while sawing.Blade is Binding: Lubricate the blade with cutting oil or WD-40.Pipe is Shattering: Use a fine-toothed blade and avoid applying excessive pressure.Q. Can I use a saw other than a hacksaw to cut PVC pipe lengthwise?A: Yes, you can use a circular saw or angle grinder with appropriate blades.Q: How do I cut PVC pipe without creating burrs?A: Deburr the edges using a utility knife or file after cutting.Q: What is the best way to connect cut PVC pipes?A: Use primer and glue for a strong and durable bond.Q: Can I cut PVC pipe underwater?A: Yes, but use a specialized underwater cutting tool to prevent water from entering the pipe.Q: How do I dispose of PVC dust safely?A: Wear a dust mask and dispose of dust in a sealed container at a hazardous waste disposal facility.