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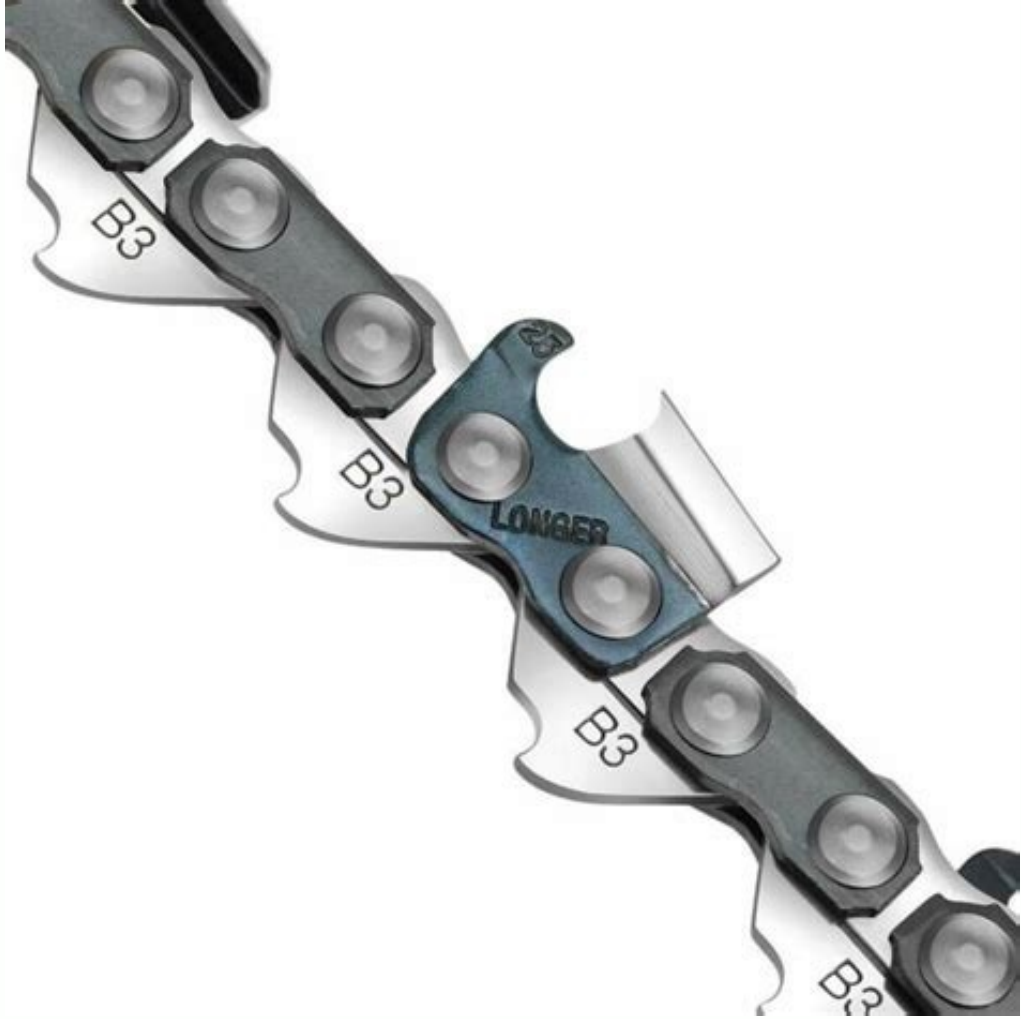
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What size file do i need for a stihl .325 chain

What size chainsaw file do i need. What size file for .325 stihl chain.

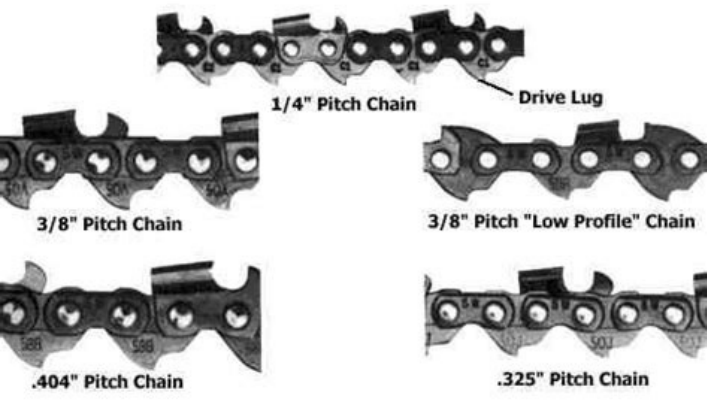


What size file for .325 chain. What size file do i need to sharpen my stihl chainsaw.

According to the size and pitch of the .325 chain, the ideal file is 3/16 inches (4.8 mm), and the depth gauge is .025. You can use a plastic roll made by Oregon/Stihl to check the size of the Clutch, Chain, File & Bar. Read more for the details When you're in a pinch, a chainsaw comes in handy. The .325 main cutter and tie strap are thinner, making it easier for the saw to move and requiring little power from the user. Because it generates less drag, it works well with tiny saws with a high RPM. File Size Chart By Oregon File/Kit Size Chain Size Oregon Chain Type 5/32" (4mm) 3/8" x .050" (1.3mm) 911/4" x .050" (1.3mm) 2511/64" (4.5mm) 3/8" x .043" (1.1mm) 903/16" (4.8mm) All .325" Chains 20, 21, 22, 957/32" (5.5mm) 3/8" x .058" (1.5mm) 733/8" x .063" (1.6mm) 75.404" x .063" (1.6mm) 59.27 There are also 1/8" (3.22mm) Oregon files in boxes of 12 which are for the Stihl 1/4" X .043" (1.1mm) chains File Size Chart By Stihl Chain Pitch File Diameter File Guide Part Number Sharpening Kit Part Number 3/8 PMN5/32 (4mm) 5/32 (4mm) 5605 007 10011/4 3/8 PM5/32 (4mm) 5605 750 4327 5605 007 10270 3253/16 (4.8mm) 5605 750 4328 5605 007 1028 How To Check Chain Details Oregon and Stihl make a plastic roll to check the size of the clutch, chain, file, and bar. You can also use it to clean the bar. Stihl Chain & Bar Check Gauge Finding Best Size File for .325 Chain. 325 chain is the compact top incisor and fastening strap with enough balls on its saw. This chain helps draw less energy, especially from the user, and can work between 40CC and 60CC. Choosing the wrong size file can wash out the metal and can damage the saws of the chain. So, it is essential to pick the correct size file for sharpening of .325 chain. How to Choose the Precise Size for .325 chain There are precisely two methods for picking the size file for the .325 chain. By finding the chain type, the size file can be picked. On the cutter's side is a significant number called chain type. Match this number with the file size on the file chart available. The pitch of the chain also helps in determining the right size file for a chain. The Pitch of the Chain is also called the chain's size and can be calculated by finding the distance between any three succeeding rivets and dividing this distance by 2. Precise Size file for .325 chain According to the size and pitch of the .325 chain, the ideal size file for this chain is 3/16 inches (4.8 mm), and the depth gauge is .025. This size file removes all the blunt material and metal from the saws of the .325 chain. This file size quickly sharpens the chain's total area and ensures the efficient working of the chain by keeping the performance of the chain saw at its peak. So, the 4.8mm size file is the optimal solution to sharpen the .325 chain. Oregon 3/16-Inch Chain Saw File 3/16 inch (4.8mm) size file chain made by Oregon company is the best and right size file for sharpening the .325 chain. The characteristics of the Oregon 3/16 (4.8mm) chain file are: It can be around or flat file designed for precise sharpening of .325 chain. This brand file removes more material than other combative companies. The Oregon size file gives an edge to the upper side of the blade to cut through. It is superior in its performance, resists clogging, and accurately sharpens the file. This file has sharp teeth with solid bite and is a long-stay sharp file. It has 4X3 pieces in packs. Sharpening the chain saw is essential no matter how much the strong chain is. So, with the help of precise file size, the chain can work efficiently without leading to damage. For this, Oregon 3/16 (4.8mm) chain size file can effectively sharpen the curves of Chain .325 due to its characteristics and make the difficult task simple. Choose the Correct File Size Fueling the chain saw is usually done simultaneously as filling the chain. When cutting through mud or pebbles, however, it would be easy for the blades to wear out quickly. It's time to apply the blades if wood debris starts falling away from the chain in form of dust instead of chips. When sharpening a chain saw of .325 model, using the proper file is crucial. Using the improper file, say a file with wrong size in sharpening of the edges might cause the metal to rust. Using the appropriate file, on the other hand, helps you to follow and stick to the rule of 80/20, which states that it is ideal for a greater percentage of the file - 80% to be beneath the cutter and 20% should be above. Sharpening the chain with a file that is substantially bigger or smaller than suggested might badly harm the edges. The metal will appear chopped up and won't work well until the chain is completely reformed. Select the Chain Saw File's Precise Size First and foremost, you must understand that the right file size is determined by the chain size of the chain saw. Depending on the chain saw model, different manufacturers will propose various shapes. Fortunately, there are standard chain sizes that are often universally accepted. We'll take a look at the infamous .325 pitch chain saw. A 3/16 inch (4.8 mm) chain saw file is the best option for this blade. You'll be astonished at how much metal comes off with only a few swipes with this file. A 3/16" file works well for correctly fitting the blade design and honing the whole surface area of the chain. It will also provide the teeth a well-honed edge, making the experience more efficient. You must remember the file form you desire in addition to the diameter. A square file is required for a chisel cutter with a square edge, whereas a circular file is required for a chipper cutter. Switching Has its Benefits You may change your chain size up or down depending on the situation. Although the 325 is smaller and quicker, it may not be the ideal choice for your regular needs. As a result, it's one of the most popular switches among chainsaw owners who want to get the most out of their machine. If you wish to change the chain size on your saw, make sure you have the appropriate sprocket and bar. Final Thought Cutting with a chain saw with dull blades is impossible, regardless of its strength or size. Sharpening the chain also saves a lot of time and effort, making one of the most time-consuming jobs simple and even enjoyable. It's game-changing to figure out the exact size of the file used to sharpen the chain. All chain enthusiasts know that regular chain sharpening is a necessary process for the efficient performance of the chain because, after some time, its performance became dull and hampered. For this purpose, various chain sharpening size files are used. So, we can find the appropriate size files by considering the particular chain's size, length, and pitch. This article tells how to quickly decide the correct file diameter for your chainsaw chains. You can determine the file diameter from the chain pitch and profile using these tables: Advertisements File size vs. Chain pitch The table below shows the recommended file size for each of the common chainsaw chain pitches. I have compiled the table based on recommendations of the major chainsaw and chain manufacturers. Chain pitch File diameter (mm) 1/4 P4/32 3.2 mm 1/4 5/32 4.0 mm 3/8 P5/32 4.0 mm 325 6/32 4.8 mm 3/8 7/32 (13/64) 5.5 (5.2)\* mm 404 7/32 5.5 mm P = Picco/Low pro\* (Stihl recommended) If you know the pitch, you can use this table pretty much regardless of the saw and chain brands; even if the manufacturer recommendations vary a little, you will not be off by much. Some notes on the application of this table: Round files Most chains have a round grind; if the round file shape roughly fits the tooth shape, you're probably good. However, if you notice straight sections and multiple angles in the cutting edge, check the specific filing instructions for that chain model. Tell regular and Low Profile chains apart.



The 3/8" and 1/4" pitch chains come also in Low Profile (Picco) versions, which have lower cutters and take a smaller file.



See instructions below. Manufacturer recommendations vary a bit. Sometimes intermediate sizes 11/64" and 13/64" are recommended instead of the 32th-inch sizes. File size for Husqvarna saws and chains FILE SIZE vs. HUSQVARNASAW MODEL Saw model Pitch File diameter 120 Mark II, 130, 135 Mark II, 240T525, T435, 439, T540XP535i, 540i, T535i, T540i, 325M3/8M5/32" (4.0 mm) file kit\*\*120i or other w. H38 chain 3/8M11/64" (4.5 mm) file 435, 440, 445, 450, 450 Rancher 543XP545 Mark II, 550XP, 325 3/16" (4.8 mm) file kit 365XP, 372XP, 390XP, 395XP455/460 Rancher 555, 562XP G, 565, 572XP, 576XP3120XP 3/8" (4.04") 7/32" (5.5 mm) file kit\*3120XP is 3/8" or 404\*\* (links to Amazon) FILE SIZE vs. HUSQVARNACHAIN Chain model File diameter Husq. files\*H00, H35, H36, H37, H39SP21G, S93G5/32" (4.0 mm) file kit H3811/64" (4.5 mm) file H21, H22, H23, H25, H26, H28H30, H30RSP33G3/16" (4.8 mm) file kit C83, C85H42, H45, H46, H47(S), H48(S), H49H50...H54, H56(S), H57(S), H58H64(S), H65, H66H70, H80, H817/32" (5.5 mm) file kit H82, H83flat\* (links to Amazon) Husqvarna offers plenty of information on file sizes for their saws and chains, but the data may be a bit hard to get to: I was able to find much of the info only on the UK and Australian sites and not on the US version. Advertisements For easier reference, I have condensed Husqvarna file size guidelines into the two adjacent tables: one based on Husqvarna saw models, and the other on chain models. Links to Amazon for the original Husqvarna Intensive Cut files and file kits (w. handle, guide) included. (Workshoppist.com is an Amazon Associate).



5 x CHAINS  
MOWER AND POWER EQUIPMENT  
PARTS CO.

As an Amazon Associate we earn from qualifying purchases.) File size for Stihl saws FILE SIZE vs. STIHL SAW Model name Pitch File diameter MS 150 C-EMSA 120, 140, 160, 161, 2001/4"P1/8" (3.2 mm) kit\*\*MS 170, 171, 180, 181, 193, 194MS 201, 211MSA 220MSE 141, 170, 210, 2203/8"P5/32" (4.0 mm) file kit MS 250, 251, 261, 271, 291, 325 3/16" (4.8 mm) file kit MS 311, 352, 391, 462, 500i, 661, 980\*MSE 2503/8"13/64" (5.2 mm) file kit MS 880\*404 7/32" (5.5 mm) alternative pitches\*\* (links to Amazon) The table shows the pitch and the recommended file size for Stihl chainsaw models. Stihl recommendations are mostly in line with other manufacturers, but for 3/8" chains, Stihl specifies a 13/64" file instead of the more common 7/32". Links to Amazon for the original Stihl files and the popular 2-in-1 sharpeners (files, handle, guide) included. (Workshoppist.com is an Amazon Associate. As an Amazon Associate we earn from qualifying purchases.) Why does file size matter? The chain file profile determines the top plate blade angle. But you may also wonder why does it even matter what size of file you use? After all, they all grind, and you can just go around the cutting edges, much like you'd do when sharpening a knife. Advertisements The truth is that file size matters in chain sharpening because the round file profile is partly responsible for giving cutters the right sharpening angles. In chain sharpening, you are supposed keep the file in the same spot, and sharpen the entire cutting edge in a single action. To be more precise, the file profile determines the blade angle of the cutter top plate. If you use too small a file, the top plate will be sharpened to a very small blade angle, which will make the cutting edge weak.



If you use too large files, the top plate cutting edge will be too blunt and will not cut optimally. How do I know the chain pitch? You can find out the pitch of your chain by either: Checking the size marking on the chain, or Measuring the pitch directly 1 From chain marking Pitch markings, from top to bottom, on Stihl, Carlton and Oregon chains. The chain size markings vary from manufacturer to other: Stihl: To check the size marking on a Stihl chain, look at front part of the cutter links ("tooth" links) in the chain. There, you should find a single digit stamped onto the metal. Carlton: On a Carlton chain, you find a short number-letter code on the drive link - this will be on the "shark fin" shape part. The letter tells you the pitch. Oregon: As with Carlton, look for a code on the drive link "fin". There is a two-number code that tells you the pitch - see table below. The table below shows what pitch each code on a Stihl, Carlton or Oregon chain corresponds to, and what is the appropriate file size for each; Husqvarna's lengthy coding is presented in a table of its own further down. Pitch Chain marking Carlton Oregon Stihl 1/4"P71/4" Ex2513/8" PMx90, 916.325" Kx20, 21, 22, 9523/8" Ax72, 73, 753.404" Bx5945 See table below for Husqvarna 2 By measurement Chain pitch is measured from the distance between two pins, leaving one pin between. This here reads 3/4", which means a pitch of 3/8". Measuring the chain is relatively easy and certain way of finding out the pitch. To measure the pitch yourself: Take a ruler, caliper or tape measure Measure the distance of two pins in the chain so that you leave one pin between them. Then divide the measurement by two, and you have the chain pitch. Note that pin spacing itself is irregular - this is why you measure over one and divide by two. Low Pro or Regular? A 3/8" Low Profile (Picco) chain (in front) has much lower teeth than a regular 3/8" pitch chain. There is one challenge in the direct measurement method, though: if your result reads 3/8" or 1/4", you still need to determine whether you are dealing with a standard chain or a low profile version: the low profile chains take smaller files than the standard. The 3/8" Low Pro or "Picco" chain is particularly popular and easy to mistake for a regular 3/8" chain. To tell if a chain is low profile or regular, measure the tooth height as shown in the image. The tooth height for a 3/8" regular chain is around 13/64"; for a 3/8" Low Pro/Picco chain, it is only around 9/64". In fact, the low profile chains are not only lower profile, but of much lighter construction throughout. With some practice, you will learn to tell them from the regular versions just by the look and feel. Chain file size Q & A Advertisements What size file for a Makita/Oregon/Poulan/Ryobi chainsaw? The proper file size does not really depend on the make of the chainsaw, but rather on the chain pitch - see the size table above. Some application comments can still be given by brand: What size file for an Echo chainsaw? For the most part, Echo's file size recommendations for Echo chains to be used on Echo chainsaws follow the general file size recommendations - see the file size table above. The exception is that for a its 90PX series chains with a 3/8P pitch, Echo specifies a 4.5 mm, or 11/64" file. This is an intermediate file size between 5/32" and 3/16", and is included in Echo's five-piece file set. Note that Echo's other 3/8P pitch chains (91PX and 91PXL series) take the smaller standard 5/32" file. Which file size for 91 chain? Oregon 91 chains are 3/8" Low Profile chains. As seen in the table above, these chains take a 5/32" (4.0 mm) file.