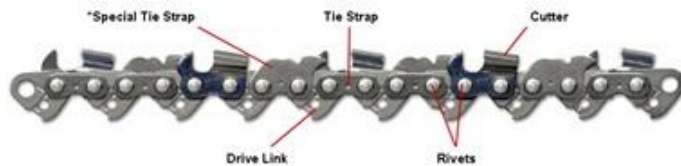


SELECTING THE CORRECT CHAIN TYPE



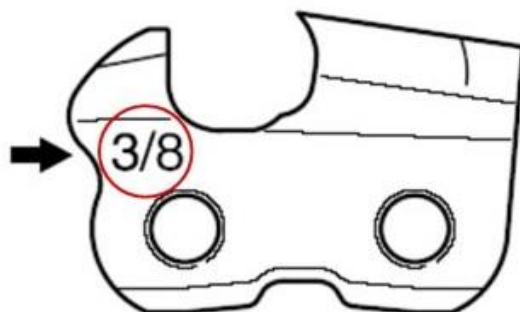
Cutter design, shape and profile along with the different designs of tie straps and drive links are offered depending on the desired cutting characteristics of the chain.

Chain length depends on the length of the guide bar and is measured by drive links. Each STIHL guide bar has the number of required drive links stamped into the tail of the bar.

To determine what chain is needed for any chain saw you need to know the required pitch, gauge, cutter type, and cutter shape.

Pitch

The saw chains pitch determines the size of the chain for example 1/4" pitch or 3/8" pitch. It is determined by measuring across any three rivets and dividing by two as shown in the diagram to the left. The result is the pitch in inches. The chains pitch must be matched exactly with the sprocket and sprocket nose guide bar of the chain saw, if so equipped.



Marked on cutter



1 = 1/4"

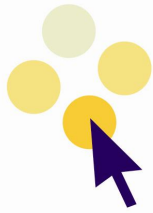
2 = .325"

3 = 3/8"

4 = .404"

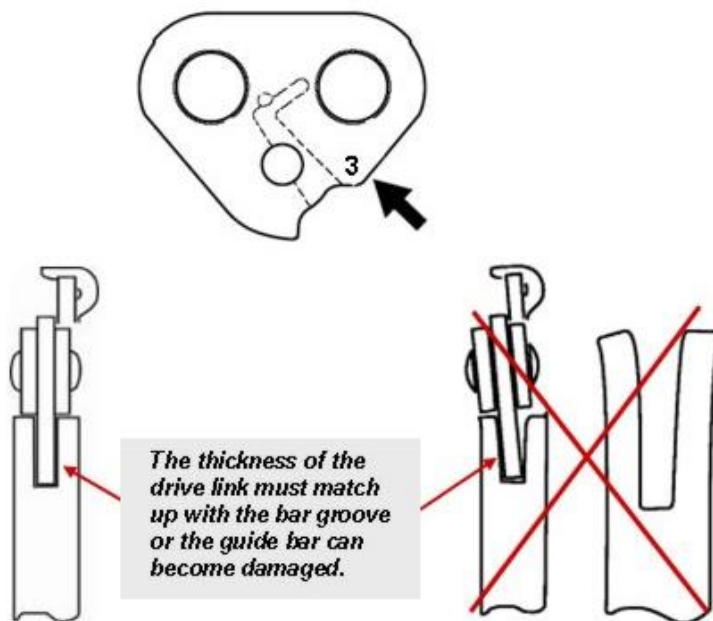
6 = 3/8" STIHL

PICCO™

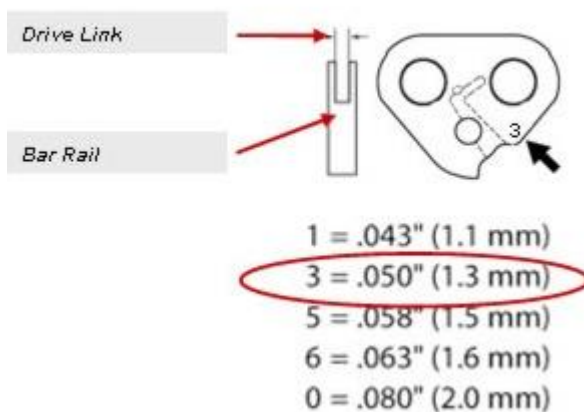


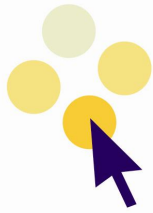
Gauge

The gauge of a saw chain refers to the thickness of the drive link. The gauge has to be matched with the guide bar being used. The thickness of the drive link must match up with the bar groove so the chain fits perfectly. This measurement is quoted in inches or millimeters. The last digit of the measurement in millimeters is stamped on every drive link.



Marked on drive link





Cutter Shape

The cutter shape influences cutting performance. The cutter consists of the gullet (1), the top plate (5), and the depth gauge (3). The cutting edges are on the front faces of the top plate and side plate. The side plate cutting edge (4) is vertical while the top plate cutting edge (2) is horizontal. The top and side plates taper to the rear. This taper forms the clearance angle for the side plate cutting edge so that it separates the side of the chip from the wall of the cut.

Super – Full Chisel – Designates a squared off, sharp cornered cutter and is used with higher power chain saws and professional applications.

Micro™ – Semi Chisel – Designates a curved cutter and works best with smaller less powerful chain saws.

Duro – Carbide Tip – Designates a carbide cutter and is used with higher power chain saws and specialized professional applications.

RAPID™ Super

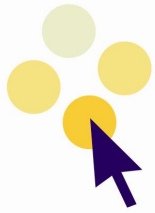


RAPID™ Micro™



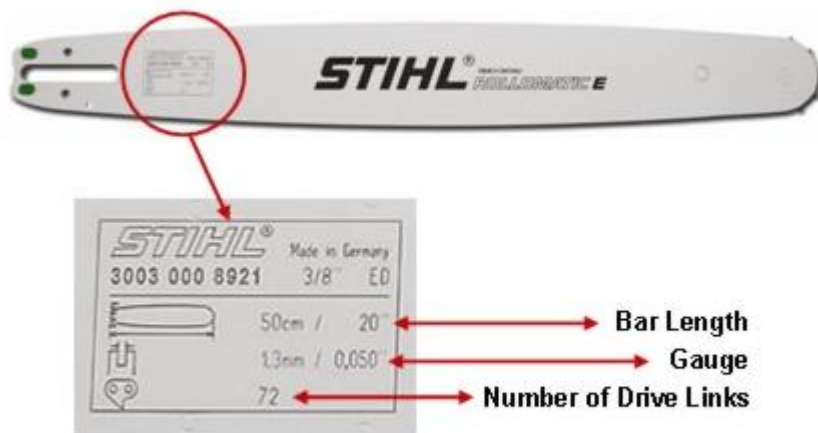
RAPID™ Duro





Drive Links

The number of drive links can be counted on your existing chain.



Selecting your Chain from the Online Store

Using your knowledge from above, select the correct pitch, gauge and number of drive links. All chain on the site is "Semi - Chisel" unless otherwise noted.



50 Drive Links
.043" or 1.1mm Gauge
3/8" Pitch