

# Saw Chain Selection & Identification

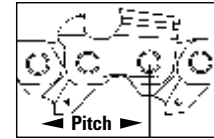
STIHL Models	Pitch	Gauge	Guide Bar Length(s)	Drive Link Count	Recommended Chain Loop Marketing Number	Recommended Guide Bar Part Number	Type of Guide Bar*	Sprocket Nose # of Teeth
017/MS 170 018 C/MS 180 C 023 L MS 191 T MS 192 T HT 75	3/8" PMN	.043"	12"	44	61PMN-44	3005-000-3905	R	7
			14"	50	61PMN-50	3005-000-4109	R	
			16"	55	61PMN-55	3005-000-3913	R	
009 L MS 192 T MS 200 020 T/MS 200 T 021/MS 210 MS 210 C E 140/MSE 140 C E 180 C/MSE 180 C	3/8" PICCO™	.050"	12"	44	63PM1-44	3005-000-4805	R	9
			14"	50	63PM1-50	3005-000-4809	R	
			16"	55	63PM1-55	3005-000-4813	R	
			14"	50	63PM1-50	3005-000-7409	LW	9
023/023 C 025/MS 250 025 C/MS 250 C	3/8" PICCO™	.050"	12"	44	63PM1-44	3005-000-4805	R	9
			14"	50	63PM1-50	3005-000-4809	R	
			16"	55	63PM1-55	3005-000-4813	R	
			18"	61	63PM1-61	3005-000-4817	R	
STIHL WOOD BOSS® MS 270 C MS 270 CQS MS 280 MS 280 CQS	.325"	.063"	16"	67	26RM2-67	3003-002-7113	R	11
			18"	74	26RM2-74	3003-002-7117	R	
			20"	81	26RM2-81	3003-002-7121	R	
			16"	67	26RM2-67	3003-000-6813	R	11
			18"	74	26RM2-74	3003-000-6817	R	
026/MS 260 026 Pro/MS 260 Pro	.325"	.063"	16"	67	26RM2-67	3003-000-6813	R	11
			18"	74	26RM2-74	3003-000-6817	R	
			20"	81	26RM2-81	3003-000-6821	R	
			16"	60	33RM2-60	3003-000-8913	R	10
MS 290 STIHL Farm Boss®	.325"	.063"	16"	67	26RM2-67	3003-002-7013	R	11
			18"	74	26RM2-74	3003-002-7017	R	
			20"	81	26RM2-81	3003-002-7021	R	
	3/8"	.050"	16"	60	33RM2-60	3003-002-8913	R	10
			18"	66	33RM2-66	3003-002-8917	R	
20"			72	33RM2-72	3003-002-8921	R		
MS 310 036 Pro/MS 360 Pro 036 QS/MS 360 QS E 220 Q/MSE 220 Q	3/8"	.050"	16"	60	33RM2-60	3003-000-8913	R	10
			18"	66	33RM2-66	3003-000-8917	R	
			20"	72	33RM2-72	3003-000-8921	R	
			18"	66	33RM2-66	3003-000-8917	R	
			20"	72	33RM2-72	3003-000-8921	R	
MS 361 MS 361 C MS 390 044/MS 440 046/MS 460	3/8"	.050"	18"	66	33RM2-66	3003-000-8917	R	10
			20"	72	33RM2-72	3003-000-8921	R	
			25"	84	33RM2-84	3003-000-4030	RS	
			28"	91	33RM2-91	3003-000-8838*	RS	11
			25**	84	33RM2-84	3003-000-9630*	RS	13
	3/8"	.063"	18"	66	36RM2-66	3003-000-6117	R	10
			20"	72	36RM2-72	3003-000-6121	R	
			22"	76	36RM2-76	3003-000-9425*	RS	11
			25**	84	36RM2-84	3003-000-9831*	RS	13
			28"	91	36RM2-91	3003-000-6038*	RS	11
MS 650 066/MS 660	3/8"	.050"	20"	72	33RM2-72	3003-000-8921	R	10
			25"	84	33RM2-84	3003-000-4030	RS	
			28"	91	33RM2-91	3003-000-8838*	RS	11
			32"	105	33RM2-105	3003-000-8846*	RS	
			36"	114	33RM2-114	3003-000-8853*	RS	
			25**	84	33RM2-84	3003-000-9630*	RS	13
			28**	92	33RM2-92	3003-000-9638*	RS	
			32**	105	33RM2-105	3003-000-9646*	RS	
			36**	114	33RM2-114	3003-000-9653*	RS	
			.063"	NEW	20"	72	36RM2-72	3003-000-6121
	22"	76			36RM2-76	3003-000-9425*	RS	11
	25"	84			36RM2-84	3003-000-5231*	RS	
	28"	91			36RM2-91	3003-000-6038*	RS	
	32"	105			36RM2-105	3003-000-6041*	RS	
	.404"	.063"	20"	72	36RM2-72	3003-000-6046*	RS	
25"			84	36RM2-84	3003-000-6053*	RS		
28"			91	36RM2-91	3003-000-9831*	RS	13	
30"			97	36RM2-97	3003-000-9842*	RS		
36**			115	36RM2-115	3003-000-9853*	RS		
088/MS 880***	3/8"	.063"	21"	75	36RM2-75	3002-000-9123	RS	10
			25"	80	46RS-80**	3002-000-9731*	RS	12
			30"	91	46RS-91**	3002-000-9741*	RS	
			36"	108	46RS-108**	3002-000-9753*	RS	
			41"	123	46RS-123**	3002-000-9757*	RS	
36"	.063"	104	46RS-104**	3002-001-8052*	D			
		123	46RS-123	3002-000-8058*	D			
		138	46RS-138**	3002-000-8064*	D			

R = Laminated RS = Exchangeable Sprocket Nose D = DUROMATIC® LW = Lightweight

## Identifying STIHL Saw Chain

STIHL uses a Marketing Number System in addition to the part number. This allows easy identification of any chain.

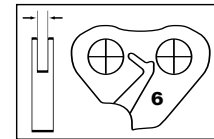
Pitch	Cutter Gauge	Cutter Type	Shape	Special
<b>3</b>	<b>3</b>	<b>R</b>	<b>M</b>	<b>2</b>
3/8"	.050"	STIHL RAPID™	Micro™	Triple-Humped Tie Strap



Distance between three rivets divided by two as shown.

### Pitch

- 1 = 1/4"
- 2 = .325"
- 3 = 3/8"
- 4 = .404"
- 6 = STIHL PICCO™ (3/8" Extended)



### Gauge (on drive link)

- 1 = .043" (1.1 mm)
- 3 = .050" (1.3 mm)
- 5 = .058" (1.5 mm)
- 6 = .063" (1.6 mm)
- 0 = .080" (2.0 mm) (0 = Harvester Chain Only)

### Cutter Type

- P = STIHL PICCO™
- R = STIHL RAPID™

### Cutter Shape

- C = Comfort (Low Vibe Version)
- D = Duro (Carbide Tip)
- DS = Duro Special (Carbide Tip)
- M = Micro™ (Semi-Chisel)
- S = Super (Full Chisel)

### Special

- 1 = Triple-Humped Tie Strap
- 2 = Triple-Humped Tie Strap
- 3 = Single-Humped Drive Link
- F = Full Skip
- H = Semi Skip
- L = Square Ground
- K = Classic Cutter design
- N = Narrow
- S = Special

### Number of Drive Links in Reels

Type	100'
1/4"	2400
3/8" PMN	1640
3/8" P	1640
.325"	1840
3/8"	1640
.404"	1480

### ANSI B175.1 Chain Saw Kickback Standard

STIHL's green and yellow color code system serves to identify STIHL bars and chains with different kickback reduction characteristics. Green (go) marks those products which are designed to reduce the risk of kickback injury and comply with the ANSI B175.1 kickback standard. STIHL's low-kickback chain features a green triple-hump tie strap that identifies each loop as "low-kickback" chain that meets the ANSI standard. Recommended for both the experienced and inexperienced chain saw user. Yellow (caution) marks products with increased risk of kickback injury. They are for use only by persons with extraordinary cutting needs and experience and specialized training in dealing with kickback conditions.

**\*WARNING:** Recommended STIHL green-labeled reduced-kickback bars are not available in the lengths marked with an \* in the chart. For such guide bars, STIHL yellow-labeled bars are listed. Please read and follow the yellow warning information that is included on the guide bar package.

**\*\*WARNING:** Recommended STIHL green-labeled low-kickback chains are not available in .404" pitch. For .404" chain, STIHL yellow-labeled chains are listed which have reduced-kickback characteristics as compared to other STIHL yellow-labeled chains. Read and follow the yellow warning information included with these chains. STIHL recommends the use of 3/8" sprockets in combination with STIHL green-labeled low-kickback saw chain and STIHL green-labeled reduced-kickback guide bars whenever possible.

**\*\*\*WARNING:** Read and follow the yellow warning information included with the STIHL guide bar and STIHL saw chain types that fit onto the 088/MS 880 powerhead.

# Guide Bars for all cutting conditions

Heavy-duty STIHL guide bars range from 12" to 47" in length and are equipped with STIHL's exclusive Ematic™ lubrication system.



**STIHL guide bars are available in two basic versions: STIHL ROLLOMATIC® Ematic™ bars and STIHL DUROMATIC® Ematic™ bars**

## **STIHL ROLLOMATIC® E Super**

Unlike the STIHL ROLLOMATIC® E Standard, the STIHL ROLLOMATIC® E Super consists of a solid and particularly rigid bar with a sprocket nose which can be replaced as a whole. Designed for the most demanding professional jobs, it is primarily used on heavy-duty saws for felling and bucking. Available as wide and narrow nose guide bars.

## **STIHL ROLLOMATIC® E Standard**

The standard version of the STIHL ROLLOMATIC® Ematic™ bar consists of three electrically welded metal plates. The middle plate is hollowed out, giving the bar great stability with low weight.

## **STIHL DUROMATIC® E**

A heavy-duty guide bar for chain saws in the middle and high performance ranges. Like the STIHL ROLLOMATIC® E Super, the bar is made of extremely strong, solid steel with induction hardened guide rails. The bar nose is reinforced with a hard surface that is also used in aircraft construction.

## **STIHL ROLLOMATIC® E Light**

38% lighter than the standard bar. Made of two steel plates which have been hollowed out and electrically welded together. The open areas have been filled with fiber-reinforced polyamide. Has excellent rigidity for efficient cutting and better balance during limbing operations. Great for arborists.

## **STIHL ROLLOMATIC® Mini**

Available in 12", 14" and 16" lengths. Use with STIHL PICCO™ Micro™ narrow saw chain (PMN) to increase cutting efficiency over PM1 chain by 13%. Makes smooth pruning cuts.

Concealed inside the bar nose, the sprocket on the STIHL ROLLOMATIC® E Standard is securely protected against corrosive and abrasive dirt.

**STIHL guide bars don't need to be greased.**

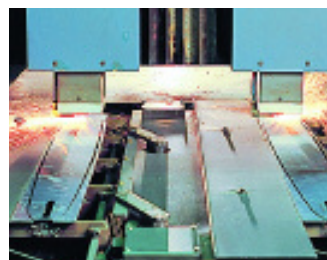


## **STIHL ROLLOMATIC® Ematic™**

**Super bars** have a replaceable sprocket nose at the end of the bar which guides the saw chain from the top of the bar to the bottom, minimizing power losses due to friction. They are available with various size sprocket noses. All have induction-hardened rails for long life.



Bars with a relatively small radius help to reduce incidence of kickback and are lighter. Those with a larger radius are designed for professionals requiring a higher plunge-cutting performance and longer service life.



Solid steel Ematic™ bars are cut to exactly the right contour with state-of-the-art laser technology.