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LONG-LIFE SAW CHAINS

The right choice of chain is essential for economical chain saw use. STIHL supplies a wide range of chains ideal for every application, for every performance class and for every make of chain saw. All chains are characterized by their robust, first-class quality.



STIHL PICCO™ DURO (PD3) CHAIN

The first ever carbide-tipped low-profile saw chain. The chain remains sharp, without refiling, for up to four times longer than standard chain and is also a low-vibration, low-kickback chain.



STIHL RAPID™ DURO 3 (RD3) CHAIN

The first STIHL .325" and 3/8" saw chain with carbide teeth. Low-kickback and vibration levels; stays sharp for up to four times longer than standard saw chain. Offers excellent cutting performance, even under demanding conditions.



STIHL RAPID™ DURO S (RDS) CHAIN

Special .404" chain for use on STIHL emergency services saws. The teeth are reinforced with tungsten carbide and cobalt - one of the hardest known metal alloys.



STIHL RAPID™ SUPER 3 (RS3) CHAIN

High-performance saw chain for professional applications offering reduced kickback, low-vibration levels, smooth cutting, low-chatter and extremely high cutting and boring performance.



CARBIDE-TIPPED SAW CHAIN

Resistance is futile: the Duro 3 carbide-tipped saw chain stays sharp for at least four times longer than conventional saw chains, even in extreme conditions. The extra hard cutters resist dulling, even if they come into contact with the ground and they're specially designed to handle wood contaminated with cement residues. So you can cut yourself some slack when it comes to sharpening your chain.





STIHL PICCO™ MICRO™ 3 (PM3) CHAIN

Available in 1/4" and 3/8", the STIHL PICCO™ Micro™ low-profile chains are for use on light chain saws and pole pruners. Features an exceedingly low-kickback, ideal for a wide variety of jobs.



STIHL RAPID™ MICRO™ (RM) CHAIN

Ideal all-round 3/8" and .325" chain for use on farms, in the forest and in the construction industry, with particularly good guiding properties and high-cutting performance. This chain produces very low vibrations.



STIHL RAPID™ MICRO™ (RMX) RIPPING CHAIN

This 3/8", .050" gauge chain is specially designed for milling applications. Produces very low vibrations.



STIHL RAPID™ SUPER (RS) CHAIN

For professional use, producing outstanding results. This chain features a raised back of the cutter and tie straps to reduce vibrations by up to 70%. This heavy-duty chain is ideal for use on machines rated at more than 2.5 kW.



36 GBM CHAIN

This 3/8", .063" gauge chain has been specially designed for the GS 461 concrete cutter and features diamond segments for cutting concrete, natural stone and ductile iron.



STIHL PICCO™ MICRO™ MINI 3 (PMM3) CHAIN

A low-profile chain for use on light chain saws and pole pruners, offering reduced kickback. Hard-wearing saw chain with especially high cutting performance, thanks to a very narrow kerf.



STIHL PICCO™ SUPER (PS) CHAIN

Apart from the 3/8" PS3 chain, this is the only PICCO™ full chisel tooth chain on the market. Significantly better cutting performance with 15% less vibration. Excellent biting performance; produces a very clean cutting surface. Ideal for professional forestry applications.



STIHL PICCO™ SUPER 3 (PS3) CHAIN

The first ever 3/8" low-profile chisel tooth saw chain in the world. Considerably greater cutting performance, with quiet operation, excellent biting characteristics and low-vibration.



STIHL RAPID™ DURO R (RDR) CHAIN

This 3/8" chain has been specifically designed for the STIHL emergency services saw and features teeth reinforced with tungsten carbide and cobalt for strength.



RMHS - HARVESTER CHAIN

For use on harvester heads, produces outstanding results. This heavy-duty chain has 70% longer life than comparable harvester chains.



36 GBE CHAIN

This entry-level diamond abrasive chain for the GS 461 is an affordable alternative to the 36 GBM chain with diamond segments on every other drive link.

GUIDE BARS

The demands imposed on guide bars are considerable. The bar must guide the chain accurately with minimal friction loss. Together with the sprocket and chain, it must convert the engine power into cutting performance with as little loss as possible. Moreover, the guide bar must withstand the toughest conditions without warping.

STIHL ROLLOMATIC® ES LIGHT



STIHL ROLLOMATIC® E

The body of the STIHL ROLLOMATIC® E (Ematic™) is made of three electrically welded metal plates. The middle plate is largely hollowed out. The benefit of this is excellent stability combined with a very low-weight. To cover a wide range of applications, the STIHL ROLLOMATIC® E guide bars are produced with two different sized bar noses (sprocket noses).

Features of the STIHL ROLLOMATIC® E (Ematic™) with small bar nose:

- Sprocket noses with up to 10 teeth, sprocket mount fastened with four rivets
- Reduced kickback
- Ideal for all-round use such as harvesting thin wood, trimming and in forestry with chain saws with an output of up to 3.5 KW

Features of the STIHL ROLLOMATIC® E (Ematic™) with large bar nose:

- Sprocket noses with up to 11 teeth, sprocket mount fastened with six rivets
- High boring performance
- For professional use on heavy-duty felling and bucking jobs with chain saws of middle or high performance above 3.5 KW



STIHL ROLLOMATIC® ES LIGHT

A lightweight version of the STIHL ROLLOMATIC® ES (Ematic™ Super), made from hard-wearing special steel. Material from the centre of the bar is cut out and removed, then precision welded. This process produces an extremely stable hollow body with a flexible upper end substructure. The result is a weight reduction of 30% in comparison to ROLLOMATIC® ES guide bars.



The STIHL range of guide bars caters to various requirements and applications, based on two basic bar types: the ROLLOMATIC® and DUROMATIC®. The ROLLOMATIC® design features a sprocket nose, guiding the chain over the bar nose with minimal friction. DUROMATIC® designs are particularly robust, solid bars and therefore ideal for use in demanding conditions.



STIHL ROLLOMATIC® ES

The STIHL ROLLOMATIC® ES (Ematic™ Super) is composed of a solid and particularly rigid bar with a bar nose which can be replaced entirely. It is therefore ideal for professional tasks and is used chiefly on heavy-duty machines for felling and bucking. Elliptically formed angled oil holes increase the flow rate of the chain oil, delivering optimal lubrication and an even longer service life for the guide bar.



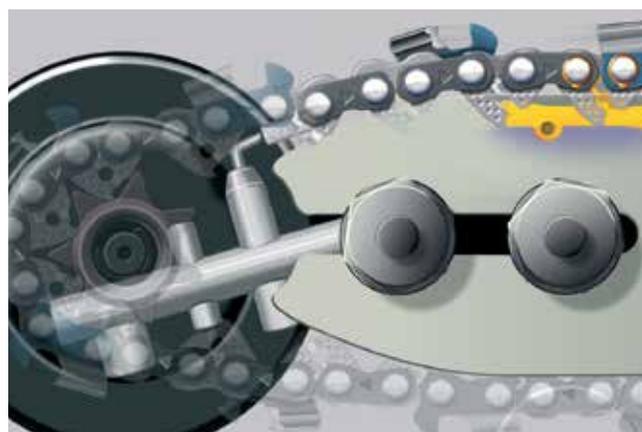
STIHL DUROMATIC® E

The STIHL DUROMATIC® E (Ematic™) is an exceptionally robust solid bar for chain saws in the middle and high-performance categories. The bar itself is made of extremely strong solid steel. The bar nose, which is exposed to the greatest stress, is protected by a carbide alloy plating.



STIHL OILOMATIC® LUBRICATION SYSTEM

This system reduces friction and wear, which extends the service life of the cutting attachment. Elliptically formed angled oil holes increase the flow rate of the chain oil, delivering optimal lubrication for an even longer service life for the guide bar.



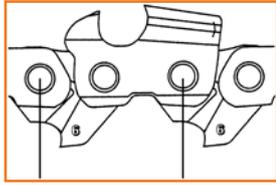
STIHL EMATIC™ SYSTEM

Compared to conventional bars without Ematic™, the Ematic™ system reduces the consumption of chain lubricant by up to 50% depending on the type of wood and the cutting attachment used. This system comprises an Ematic™ or Ematic™ S guide bar, a STIHL OILOMATIC® saw chain and a variable-flow or reduced-flow oil pump. Virtually every drop of chain lubricant is delivered to exactly the right spot.

IDENTIFYING STIHL SAW CHAINS

STIHL uses a Marketing Number System in addition to the part number. This allows easy identification of any chain. For example, a chain with a Marketing Number of 33RS3:

Pitch	Gauge	Type	Shape	Special
3	3	R	S	3
3/8"	.050"	STIHL	Super RAPID™	Single-Humped Tie Strap



PITCH

- 1 = 1/4"
- 2 = .325"
- 3 = 3/8"
- 4 = .404"
- 6 = STIHL PICCO™ (3/8" Extended)
- 7 = STIHL PICCO™ Micro™ (1/4" / .043")



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 (2.0 - Harvester Chain only)

CUTTER TYPE

- P = STIHL PICCO™
- R = STIHL RAPID™

CUTTER SHAPE

- D = Duro (Carbide Tip)
- DS = Duro Special (Carbide Tip)
- M = Micro™
- R = Rescue (RDR chain, specially designed for MS 461 R STIHL MAGNUM® Rescue)
- S = Super (Chisel)

SPECIAL

- 3 = Single-Humped Drive Link
- F = Full Skip
- H = Semi Skip (Half-Skip) or Harvester (i.e. on .404" RMHS)
- K = Classic Cutter design
- L = Square Ground
- P = Professional
- S = Special
- X = Ripping

NUMBER OF DRIVE LINKS ON REELS

Type	100' Reel
1/4"	600**
3/8" STIHL PICCO™	1640
.325"	1840
3/8"	1640
.404"	1480
.080"	740***

** Sold in 25' reels only. *** Sold in 50' reels only.

	Pitch	Guide bar length*	Guide bar	Sprocket teeth	Chain complying with CSA Standard Type A	Chain complying with CSA Standard Type C (Low - Kickback Chain)
STIHL CUTTING ATTACHMENT COMBINATIONS (FOR STIHL CHAIN SAWS BELOW 80 CC DISPLACEMENT AS COMPLYING WITH CSA STANDARD Z62.3-2004)						
MS 170, 171, 180, 181	3/8"P	12", 14", 16"	7		61 PMM3	61 PMM3, 63 PM3
MS 194	3/8"P	12", 14", 16"	7	9	61 PMM3	61 PMM3
MS 211	3/8"P	12", 14", 16"	7		63 PM3	63 PM3, 61 PMM3
MS 201	3/8"P	12", 14", 16"	9		63 PS3	63 PS3
MS 241	3/8"P	14", 16", 18"	7		63 PS	63 PS3
MS 231, 250, 251	.325"	16", 18"	11		23 RSP, 23 RMP	23 RMP3
MS 261, 271	.325"	16", 18", 20"	12		23 RSP, 23 RMP	23 RMP3
MS 291	.325"	16", 18", 20"	12		23 RSP, 23 RMP	23 RMP3
MS 311, 391, 362	3/8"	16", 18", 20"	11		33 RS, 33 RM	33 RS3
MS 441, 461, 462	3/8"	16", 18", 20"	11		33 RS, 33 RM	33 RS3
MSE 141	3/8"P	12", 14", 16"	7		61 PM3	63 PM3
MSE 170	3/8"P	12", 14", 16"	7		61 PM3	63 PM3
MSE 250	3/8"	16", 18", 20"	11		33 RS3	33 RS3
MS 150, MSA 120, 140, 160, 200	1/4"P	10", 12"	8		71 PM3	71 PM3

Guide bar lengths and saw chain designations in **bold** type are standard cutting attachments. These replacement saw chains meet the kickback performance requirements for Types A and C reduced and low-kickback saw chains of CSA-Z62.3-2004 when tested on a representative sample of chain saws.

*Guide bar length; depending on powerhead type, the effective cutting length can vary up to an inch.