

Definitions

1 Mowing Head

The cutting attachment, i. e. mowing head, for different purposes.

2 Deflector for Mowing Heads

The deflector is designed to reduce the risk of injury from foreign objects flung backwards toward the operator by the cutting attachment and from contact with the cutting attachment.

3 Line Limiting blade

Metal blade at the deflector in order to keep the line of the mowing head at the proper length.

4 Deflector with Skirt for all Mowing Attachments

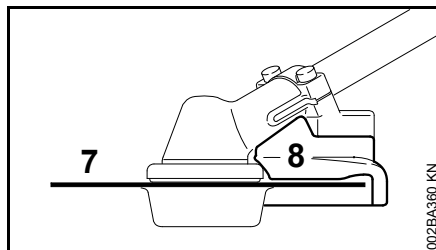
The deflector is designed to reduce the risk of injury from foreign objects flung backwards toward the operator by the cutting attachment and from contact with the cutting attachment. Is not designed to contain fragmented metal blades.

5 Skirt

The skirt at the bottom of the deflector must be utilized as described in the chapter "Mounting the Deflector".

6 Metal Mowing Tool

The cutting attachment, i. e. blade, made from metal for different purposes.



7 Circular Saw Blade

8 Limit Stop for Circular Saw Blade

Definitions

7 Circular Saw Blade

Cutting attachment made of metal for cutting wood.

8 Limit Stop for Circular Saw Blade

Designed to position the brushcutter steady against the wood in order to reduce the risk of injury from loss of control from reactive forces such as thrust out.

Specifications

EPA / CEPA

The Emission Compliance Period referred to on the Emissions Compliance Label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements.

Category

A = 300 hours

B = 125 hours

C = 50 hours

Engine

STIHL single cylinder two-stroke engine

FS 300

Displacement:	30.8 cm ³
Bore:	35 mm
Stroke:	32 mm
Engine power to ISO 8893:	1.3 kW (1.8 HP) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,300 rpm
Max. output shaft speed (cutting attachment):	8,790 rpm

English

FS 350

Displacement:	40.2 cm ³
Bore:	40 mm
Stroke:	32 mm
Engine power to ISO 8893:	1.6 kW (2.2 HP) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,300 rpm
Max. output shaft speed (cutting attachment):	8,790 rpm

FS 400

Displacement:	40.2 cm ³
Bore:	40 mm
Stroke:	32 mm
Engine power to ISO 8893:	1.9 kW (2.6 HP) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,500 rpm
Max. output shaft speed (cutting attachment)	
FS 400:	8,930 rpm
FS 400 with long shaft:	8,930 rpm
FS 400 with short shaft:	8,750 rpm

FS 450

Displacement:	44.3 cm ³
Bore:	42 mm
Stroke:	32 mm
Engine power to ISO 8893:	2.1 kW (2.9 HP) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,500 rpm
Max. output shaft speed (cutting attachment):	

FS 450: 8,930 rpm

FS 450 with long shaft: 8,930 rpm

FS 450 with short shaft: 8,750 rpm

FS 480

Displacement:	48.7 cm ³
Bore:	44 mm
Stroke:	32 mm
Engine power to ISO 8893:	2.2 kW (3.0 HP) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,500 rpm
Max. output shaft speed (cutting attachment):	

FS 480: 8,930 rpm

FS 480 with long shaft: 8,930 rpm

FS 480 with short shaft: 8,750 rpm

Ignition System

Electronic magneto ignition

Spark plug (resistor type): Bosch WSR 6 F, NGK BPMR 7 A

Electrode gap: 0.5 mm

This spark ignition system meets all requirements of the Canadian Interference-Causing Equipment Regulations ICES-002.

Fuel System

All position diaphragm carburetor with integral fuel pump

Fuel tank capacity:

FS 300: 0.64 l

FS 350: 0.64 l

FS 400: 0.67 l

FS 450: 0.67 l

FS 480: 0.67 l

Weight

dry, without cutting attachment and deflector

FS 300: 7.3 kg

FS 350: 7.3 kg

FS 400: 8.0 kg

FS 400 with short shaft: 8.1 kg

FS 400 with long shaft: 8.1 kg

FS 450: 8.0 kg

FS 450 with short shaft: 8.1 kg

FS 450 with long shaft: 8.1 kg

FS 480: 8.0 kg

FS 480 with short shaft: 8.1 kg

FS 480 with long shaft: 8.1 kg

FS 480 with short shaft and handle heating: 8.3 kg

FS 480 with handle heating: 8.3 kg

FS 300, FS 350, FS 400, FS 450, FS 480

Overall length


without cutting attachment	
FS 300:	1765 mm
FS 350:	1765 mm
FS 400:	1765 mm
FS 400 with short shaft:	1635 mm
FS 400 with long shaft:	1825 mm
FS 450:	1765 mm
FS 450 with short shaft:	1635 mm
FS 450 with long shaft:	1825 mm
FS 480:	1765 mm
FS 480 with short shaft:	1635 mm
FS 480 with long shaft:	1825 mm

Special Accessories**Cutting Attachments****Mowing heads**

- 1 STIHL SuperCut 40-2
- 2 STIHL AutoCut 40-2
- 3 STIHL AutoCut 40-4¹⁾
- 4 STIHL TrimCut 41-2
- 5 STIHL PolyCut 40-3

Metal cutting attachments

- 6 Grass cutting blade 230-4
- 7 Grass cutting blade 255-8
- 8 Grass cutting blade 250-40 Spezial
- 9 Brush knife 305-2 Spezial
- 10 Brush knife 300-3
- 11 Shredder blade 270-2
- 12 Scratcher tooth circular saw blade 200
- 13 Chisel tooth circular saw blade 200
- 14 Scratcher tooth circular saw blade 225²⁾
- 15 Chisel tooth circular saw blade 225²⁾
- 16 Carbide tipped circular saw blade 225²⁾

 Use cutting attachments only as specified in the chapter on "Approved Combinations of Cutting Attachment, Deflector, Limit Stop and Harness".

- 1) Approved for FS 450, 480 only
- 2) Approved for FS 400, 450, 480 only

Special accessories for cutting attachments

- Nylon line for mowing heads 1 to 5
- Prewound spool with nylon line for 1 to 4
- Thermoplastic blades, pack of 12; for mowing head 5
- Transport guard for 6 to 16

Sharpening aids for metal cutting attachments

- Flat sharpening files for 6, 7, 9 and 12, 14, 16
- File holder with round file, for 13, 15
- Saw set, for 13, 15
- STIHL balancer for 6 to 16
- Sharpening templates (metal or cardboard), for 9, 10

Mounting hardware for metal cutting attachments

- Thrust washer
- Rider plate for mowing and sawing applications
- Guard ring for brush knife and shredder blade
- Nut

Other special accessories

- Safety glasses
- Combination wrench
- Locking pin
- Carburetor screwdriver
- Full harness