

# Product Information

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Subject	BC 400 S-T (EURO 2)



our power, your passion

## NEW BRUSHCUTTERS BC 400 S - BC 400 T (EURO 2)



Mod. BC 400 T

Mod. BC 400 S

new  
**LOAD & GO**  
Easy&LongLife

 **Always On**

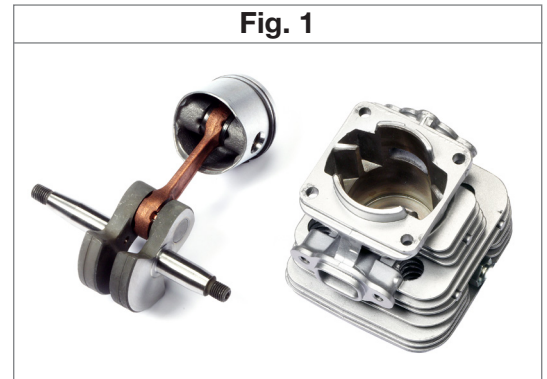
 **Easy On**

Models for professional and green maintenance experts designed to provide an excellent ratio between high performance and low weight. Ideal for people who need to handle intensive and continuous work, these tools guarantee consistently high output even under strain and in difficult conditions. The ruggedness of the engine ensures high efficiency and constant quality at all times.

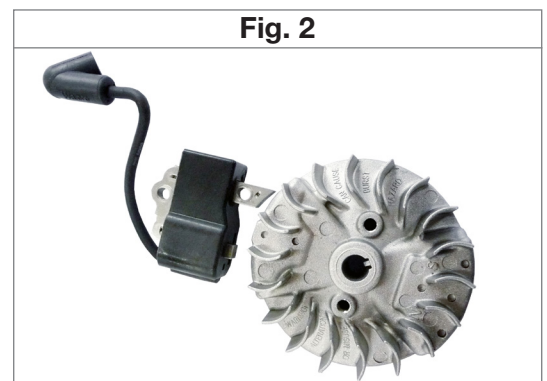
- **Reliable:** the ruggedness of the engine ensures high efficiency and quality at all times.
- **Lightweight:** easy to handle and guaranteeing lasting efficiency,
- **Simple:** easy starting, operation and maintenance
- **Comfortable:** equipped with antivibration system and ergonomic handle with soft covering and controls easily reached with just one hand, including the on/off switch (always on).

## PERFORMANCE AND ENGINEERING

- **44 cm<sup>3</sup> with 2,5 HP (1,83 kW) 2-stroke engines**, in compliance with regulations (Euro 2), compatible with alkyl petrol and featuring a high linear torque curve even at low revs.
- **Piston with 2 rings, diecast cylinder** with Nickel plating, forged con rod and crankshaft (Fig. 1): guaranteeing an extremely rugged and durable engine.



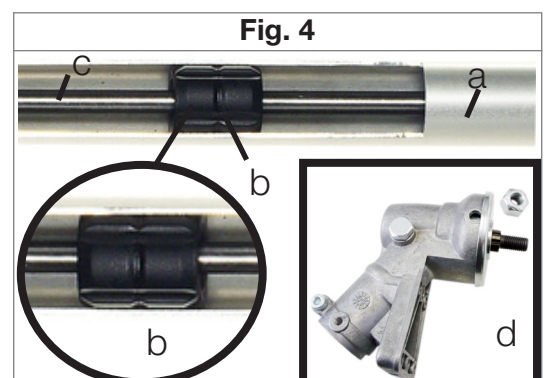
- **Digital coil with electronic control** (Fig. 2) and revs limiter: for easier starting, improved performance thanks to uniform combustion, and reduced fuel consumption.



- **Magnesium clutch cover** (Fig. 3) protected by a plastic cover: optimised and reduced weight of the tool while imparting high strength and lasting reliability.

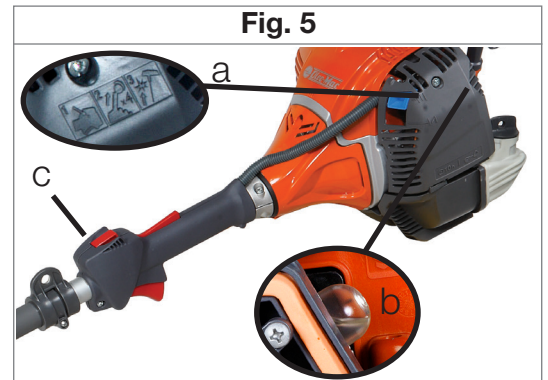


- BC 400 S: **Ø 28 mm aluminium drive tube** (Fig. 4a), with 7 self-lubricating antivibration bearings (Fig. 4b), **8 mm internal rigid shaft** (Fig. 4c) and **aluminium bevel gear pair with M 10 male drive pin** (Fig. 4d), for unimpeded power transmission.
- BC 400 T: **Ø 28 mm aluminium drive tube** (Fig. 4a), with 7 self-lubricating antivibration bearings (Fig. 4b), **8 mm internal rigid shaft** (Fig. 4c) and **aluminium bevel gear pair with M 10 male drive pin** (Fig. 4d), for unimpeded power transmission.



## OPERATOR DESIGN FEATURES

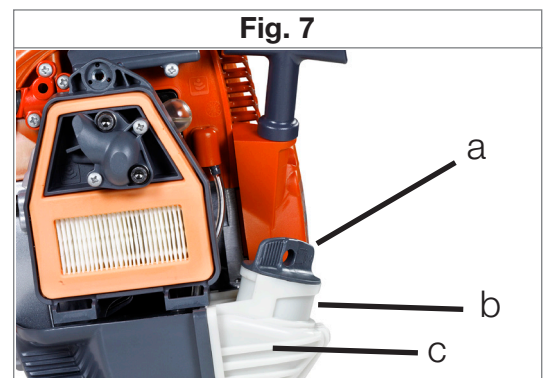
- **A graphic representation** of starting operations facilitates engine starting even for less expert users (Fig. 5a).
- **Air purge primer** (Fig. 5b) visible on the carburetor ensures easier access and operation.
- **The on/off switch** (Fig. 5c) returns automatically to the “on” position after each stop (always on).



- **“Easy on” device** (Fig. 6) composed of a double spring in the starter cover combined with driver with two ratchets means reduced force with each pull and fast starting with fewer rope pulls.



- **Filler cap with two grips** (Fig. 7a) (side and top) and tank filler neck (Fig. 7b) in vertical position for easier refuelling.
- **Transparent fuel tank** (Fig. 7c) for instant view of the quantity of fuel remaining.

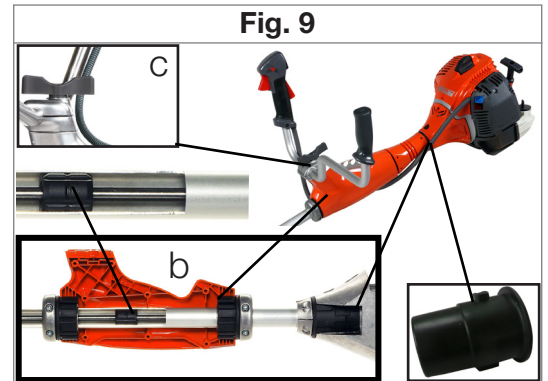


- **Innovative 130 mm Ø “NEW LOAD & GO”** line head (Fig. 8): for straightforward line replacement - just 20 seconds to rewind the line and resume work.

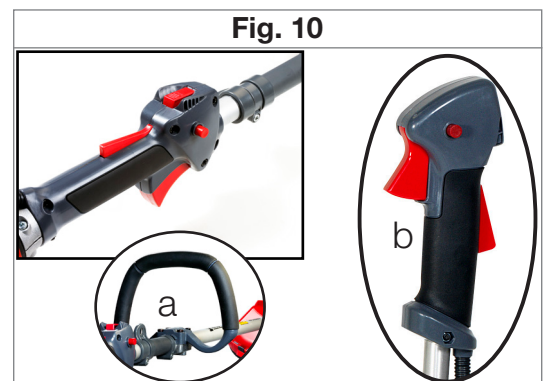


## OPERATING BENEFITS

- **Built-in antivibration system:** greatly reduced vibrations felt by the operator during use of the tool.
- The **twin version** with **ergonomic aluminium** handlebar features an easy-to-use adjuster knob (Fig. 9c) and a **professional anti-vibration system** with rubber shock absorbers (Fig. 9b) between transmission tube and handlebar.

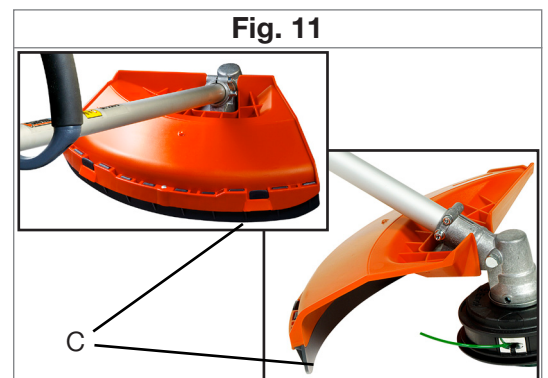


- **Ergonomic loop** and **handles:** clad in soft rubber (Fig. 10a-b) offer an anatomic and comfortable grip of the tool in all operating conditions.

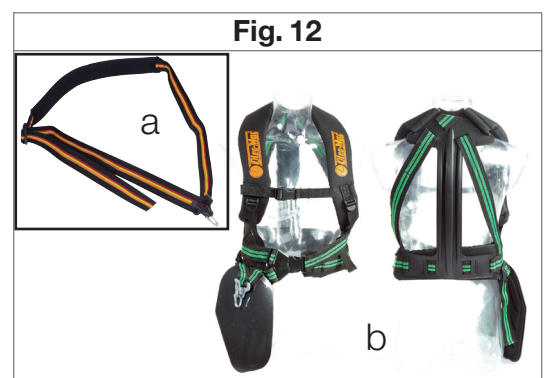


- **150 mm drive tube:** the operator is always able to maintain an erect posture.

- **The large size stone guards** for efficient protection against projected debris and most cutting diameter. In addition, simply removing the skirt with line cutter knife (Fig. 11c) makes the line head suitable for use with a metal blade.



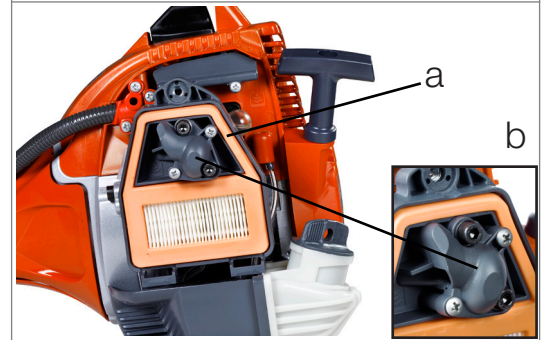
- **Harness,** supplied as standard (Fig. 12a S version), (Fig. 12b T version) is easy to adjust and imparts greater freedom of movement allowing improved weight distribution in accordance with the operator's stature.



## SERVICE FRIENDLY

- **Generously sized cloth air filter:** guarantees high filtration efficiency and easy maintenance (Fig. 13a).
- **Filter support (Emak patent)** with **anti-backflow element** (Fig. 13b), (prevents the filter from becoming fouled by fuel) for longer operation between filter maintenance procedures.

Fig. 13



- **Filter cover accessible without tools** by means of specific knob (Fig. 14a): facilitates air filter inspection and cleaning.

Fig. 14



- **Engine cover** and **silencer cover** (Fig. 15a) integrated in a single component that is easily removed for fast access to the engine and rapid maintenance.

Fig. 15



- All **screws** are of the **TORX head type**, to allow the use of a single tool for most maintenance procedures (Fig. 16).

Fig. 16



# TECHNICAL SPECIFICATIONS

MODEL	BC 400 S		BC 400 T
<b>ENGINE</b>			
TYPE		Emak 2-stroke / EURO 2 (with Catalyst)	
DISPLACEMENT	cm <sup>3</sup>	44	
MAXIMUM POWER OUTPUT	HP/kW (rpm)	2,5 / 1,83 (7500)	
MAXIMUM TORQUE	Nm (rpm)	2,5 (5500)	
IDLING SPEED	rpm	2800	
MAXIMUM NO LOAD SPEED	rpm	10500	
HOURLY FUEL CONSUMPTION (at max power output)	g/h (rpm)	750 (7500)	
<b>IGNITION SYSTEM</b>			
TYPE		Digital	
COIL		Walbro	
SPARK PLUG		NGK BPMR8Y	
<b>SISTEMA DI ALIMENTAZIONE E LUBRIFICAZIONE</b>			
CARBURATORE A membrana		Walbro	
CAPACITÀ SERBATOIO CARBURANTE	l	0,75	
FILTRO ARIA		Paper + anti-backflow element	
PRIMER		Yes	
EASY ON		Yes	
<b>TRANSMISSION SYSTEM</b>			
DRIVE SHAFT ( Ø ) "Outer / Inner"	mm	28 (with steel shaft Ø 8 mm)	28 (with steel shaft Ø 8 mm)
ROD LENGTH	mm	1556	1556
BEVEL GEAR PAIR		with M10 male thread	
CLUTCH (DIMENSION)	mm	2 elements with FERODO PADS (75 x 18)	
<b>SAFETY</b>			
SOUND PRESSURE (LpA EN ISO 11806 - EN 22868)	dB(A)	with disc 99	with disc 99
		with nylon head 99,4	with nylon head 99,4
SOUND POWER (Lwa 2000/14/EC - EN 22868 - EN ISO 3744)	dB(A)	with disc 112	with disc 112
		with nylon head 116	with nylon head 116
VIBRATION LEVEL ( EN 11806 - EN 22868 - EN 12096 )	m/s <sup>2</sup>	with disc 7,4 SX - 11,4 DX	with disc 3,5 SX - 4,5 DX
		with nylon head 6,0 SX - 6,3 DX	with nylon head 5,1 SX - 3,4 DX
<b>ERGONOMICS</b>			
HARNESS		Single	Double
FRONT HANDLE		ERGONOMIC Loop	ERGONOMIC Handlebar
REAR HANDLE		Standard with throttle trigger lockout	Ergonomic with moulded rubber grips
ON / OFF SWITCH		A button (always on)	
ANTI-VIBRATION SYSTEM		7 self lubricating brass and rubber bushings in drive shaft. + 1 rubber in the clutch housing to shaft.	7 self lubricating brass and rubber bushings in drive shaft. 1 rubber in the clutch housing to shaft. 2 between handle-bar and tube.
<b>CUTTING SYSTEM</b>			
STANDARD CUTTING DISC		Steel disc cutter with 3 teeth Ø 10" / 255 mm, thickness 1,8 mm	
STANDARD NYLON STRINGHEAD		NEW Load & Go Ø 130 mm with Ø 3.0 mm nylon line	
CUTTING GUARD - CUTTING WIDTH (with stringhead)	mm	Plastic (420)	
WEIGHT (Without cutting tools)	kg	7,4	8,3
POWER-TO-WEIGHT RATIO	kg / kW	4,04	4,53



It's an **Emak S.p.A.** trademark Member of the Yama Group  
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