

# Product Information

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our power, your passion

## NEW BRUSHCUTTERS / TRIMMERS – BC 241 S AND BC 241 T (EURO 2)



Speed&Go



Mod. BC 241 T



Mod. BC 241 S

new  
LOAD&GO

Easy&LongLife

EasyOn

AlwaysOn

Emak presents its new range of the world's most lightweight brushcutters, establishing a new benchmark in their class.

The **BC 241 S** and **BC 241 T** range was developed for demanding private users who need to use a brushcutter regularly and are looking for a tool that is:

- lightweight: easy to handle and guaranteeing lasting efficiency,
- simple: easy starting, operation and maintenance
- compatible with fatigue-free operation

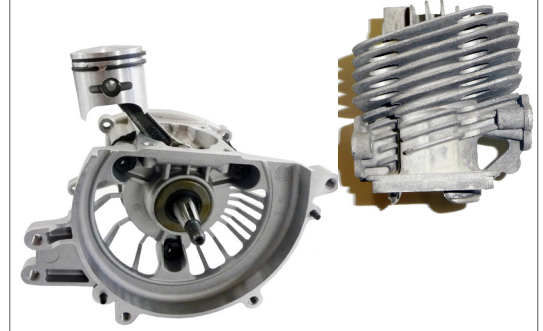
To meet these requirements, these new brushcutters use a series of technical solutions that are normally standard features only on professional models. Special attention was devoted to compliance with the most stringent anti-pollution regulations (Euro 2) and compatibility with alkylate petrol.

Thanks to the new super economy engines, these brushcutters will provide more than 50 minutes of continuous operation before refuelling.

## PERFORMANCE AND ENGINEERING

- **21.7 cm<sup>3</sup> 1.1 HP (0.82 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.

Fig. 1



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

Fig. 2



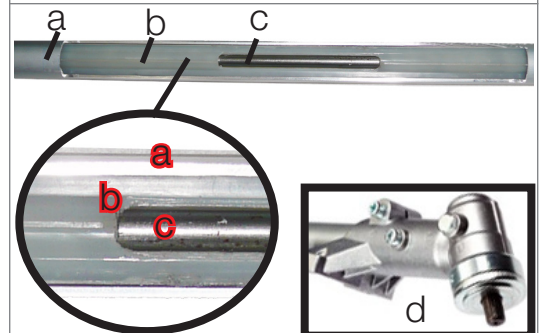
- **Aluminium cover and clutch support** (Fig. 3): optimised and reduced weight of the tool while imparting high strength and lasting reliability.

Fig. 3



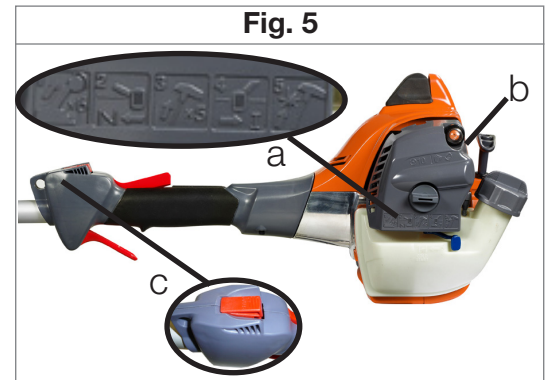
- **Ø 24 mm aluminium tube** (Fig. 4a), **nylon sheath** (Fig. 4b), **7 mm internal rigid shaft** (Fig. 4c) and **aluminium bevel gear pair with M 10 male drive pin** (Fig. 4d), for unimpeded power transmission.

Fig. 4



## OPERATOR DESIGN FEATURES

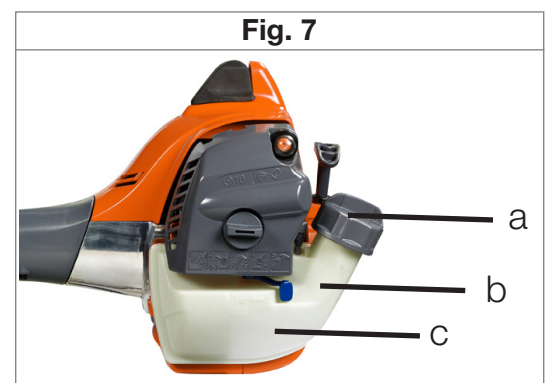
- **A graphic representation** of starting operations facilitates engine starting even for less expert users (Fig. 5a).
- **Air purge primer** (Fig. 5b) visible on the engine cover ensures easier access and operation.
- **The on/off switch** (Fig. 5c) returns automatically to the “on” position after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



- **“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.

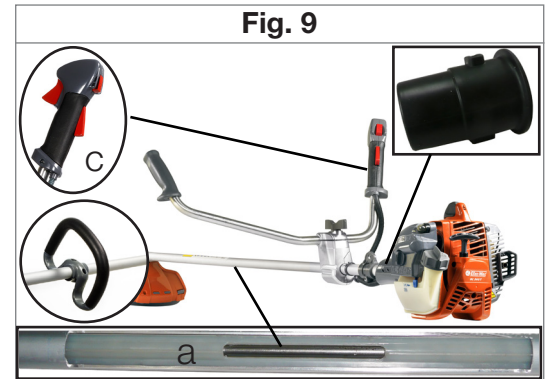


- **Innovative 130 mm Ø “LOAD & GO”** line head (Fig. 8): for straightforward line replacement - just 20 seconds to rewind the line and resume work.

- **Innovative 130 mm Ø “SPEED & GO”** line head (Fig. 8): for straightforward line replacement - just 10 seconds to rewind the line and resume work.

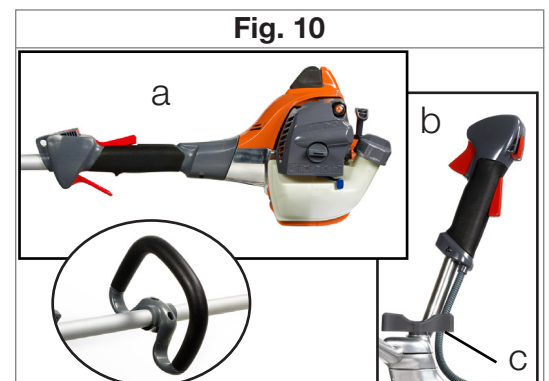
## COMFORT

- **Built-in antivibration system:** greatly reduced vibrations felt by the operator during use of the tool (Fig. 9).



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

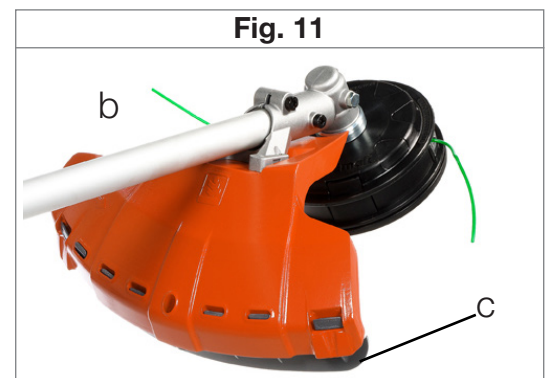
- The **twin version** with **ergonomic aluminium** handlebar features an easy-to-use adjuster knob (Fig. 10c).



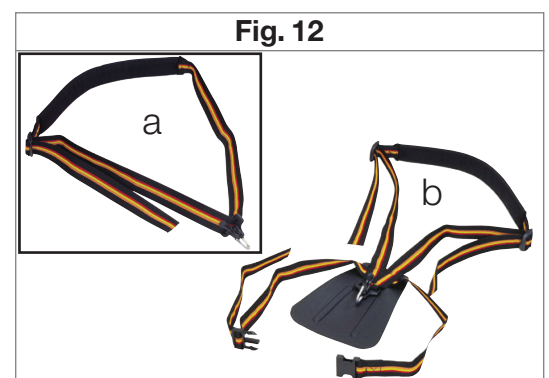
- **150 mm drive tube:** the operator is always able to maintain an erect posture.

- **New stone guards** for efficient protection against projected debris.

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.

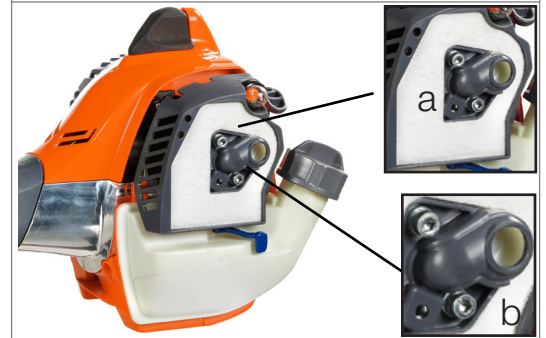




## EASE OF MAINTENANCE

- **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



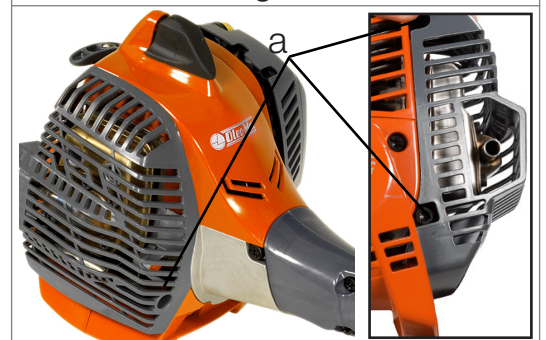
- **Filter cover accessible without tools** by means of specific knob (Fig. 14a): facilitates air filter inspection and cleaning.

Fig. 14



- **Silencer protection** (Fig. 15a) **separate** from the engine cover, removable by means of 3 screws: provides rapid access in the case of 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 241S		BC 241T
ENGINE			
TYPE		Emak 2-stroke / EURO 2 (with Catalyst)	
DISPLACEMENT	cm³	21,7	
BORE x STROKE	mm x mm	32 x 27	
MAXIMUM POWER OUTPUT	HP/kW (rpm)	1,2 / 0,9 (8500)	
MAXIMUM TORQUE	Nm (rpm)	1,2 (6500)	
IDLING SPEED	rpm	2800-3100	
MAXIMUM NO LOAD SPEED	rpm	10300	
HOURLY FUEL CONSUMPTION (at max power output)	g/h (rpm)	410 - 450 (8500)	
IGNITION SYSTEM			
TYPE		Digital with variable ignition advance and speed limitetor	
COIL		WALBRO MBU53	
SPARK PLUG		NGK CMR7H	
EASY START		Yes	
FUEL & LUBRICATION SYSTEM			
CARBURETTOR		WALBRO WT-1041	
FUEL		Compatibility with alkylate mix	
FUEL TANK CAPACITY	l	0,4	
AIR FILTER		Generously sized cloth	
PRIMER		Si	
TRANSMISSION SYSTEM			
DRIVE SHAFT ( Ø ) “Outer / Inner”	mm	Ø24 (Ø7internal rigid shaft)	
BEVEL GEAR PAIR		Pin male M10x1,25 sx	
CLUTCH COVER		Aluminium	
CLUTCH (DIMENSION)	mm	Yes	
ERGONOMICS			
HARNESS		Single harness	Simple with cushion
FRONT HANDLE		Ergonomic loop and handles clad in soft	ergonomic aluminium handlebar adjuster
REAR HANDLE		Ergonomic with moulded rubber grips	
ON / OFF SWITCH		A button (always on)	
ANTI-VIBRATION SYSTEM		Nylon sheath + antivibration rubber on the clutch cover	Nylon sheath + antivibration rubber on the clutch cover + 2 on handlebar support
CUTTING SYSTEM			
STANDARD CUTTING DISC		Steel disc cutter with 3 teeth Ø 10” / 255 mm, thickness1,8 mm	
STANDARD NYLON STRINGHEAD		Load &Go Ø130mm line 2,4 mm / Speed &Go Ø130mm line 2,4 mm	
CUTTING GUARD - CUTTING WIDTH (with stringhead)	Ø mm	370	
IN COMPLIANCE WITH			
WEIGHT (Without cutting tools)	kg	4,5	5,25
POWER-TO-WEIGHT RATIO	kg / Kw	5,0	5,8



It's an **Emak S.p.A.** trademark Member of the Yama Group  
Via E. Fermi, 4 • 42011 Bagnolo in Piano (Reggio Emilia) Italy  
Tel. +39 0522 956611 • Fax +39 0522 951555  
[venditeitalia@oleomac.it](mailto:venditeitalia@oleomac.it) • [www.oleomac.it](http://www.oleomac.it)

