

# TF... TL...



**Fiam air cutters.  
Practical, versatile, safe.**

**Air tools for cutting  
TF..., TL...**

**Fiam**®  
PEOPLE AND SOLUTIONS

# Fiam air cutters: practical, versatile and safe

Fiam air cutters are **practical, comfortable, safe and versatile**; they can be used for cutting **fibreglass** for example in the construction of boats, tanks and industrial vehicles, for cutting iron, steel and aluminium **sheeting** and metal structural work generally, in the construction of caravans, railway carriages, etc.



TFS60



TFY100-2



TLS12

Be demanding

## Reliability

Long lifetime of the components thanks to careful design and quality of the production process which results in less maintenance and repair costs

The internal gears guarantee **constant performances** and **long lifetime of the tool**

The air motors employed ensure **high power and maximum output** in every application field

Tools are manufactured with high quality materials that guarantee **greater resistance to wear**

Don't be satisfied  
with the maximum

## Productivity

Great use effectiveness thanks to innovative design systems

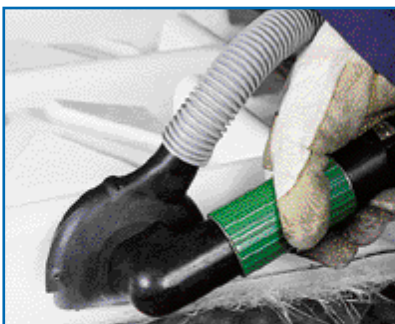
Fiam air cutters guarantee a **great versatility of use**, making them the perfect answer to every work situation

They are available  
**Cutters for fiberglass:** with their special diamond head, these are used mostly for cutting fibreglass in the construction of boats, tanks and industrial vehicles  
**Cutters for metal sheet:** these are used in cutting iron, steel and aluminium sheeting, and metal structural work generally, in the construction of caravans, railway carriages, etc.

**Cutters for fiberglass:** they are provided with a protection device for the suction of dust during the cut. By means of a 25 mm internal diameter tube, the protection guard is connected to an aspirator with a capacity of 150 m<sup>3</sup>/h and total head of 1000 mm/H<sub>2</sub>O

**Cutters for metal sheet:** the cut is clean, without shavings or deformations, and does not require further finishing. The minimum radius of the curve is 300 mm

**Customized solutions** can be supplied upon request to meet specific customer's need



Perfection is  
in your hands

## Ergonomics

Optimization of the tool performances in regard to ergonomics and operator safety

The grip design and use of special light alloys make these tools **lighter and more handy**

They guarantee maximum handiness, thanks to the **good power/weight ratio**, reducing operator's fatigue

They are equipped with a **safety lever** to avoid the possibility of accidental start. Therefore, they feature a safe starting system in compliance with the standards currently in force

Cutters for fiberglass: they are equipped with effective **extraction devices** for removing the dust generated during work. These systems significantly reduce smoke and dust levels, considerably improving work conditions

Cutters for fiberglass: they are equipped with **protection device** for greater operator's safety

These tools are equipped with **silencing system** to reduce the noise level caused by the exhaust air, guaranteeing operator's safety

The careful study of the internal gears guarantees **vibration levels below 2,5 m/s<sup>2</sup>** (ISO 8662-7)

**ERGOTECH** Ergotech project  
Having full knowledge of the ergonomics and safety needs of the operator, Fiam optimizes the performances of its tools and offers support and qualified training for the correct use of the tools

Naturally  
innovative

## Ecology

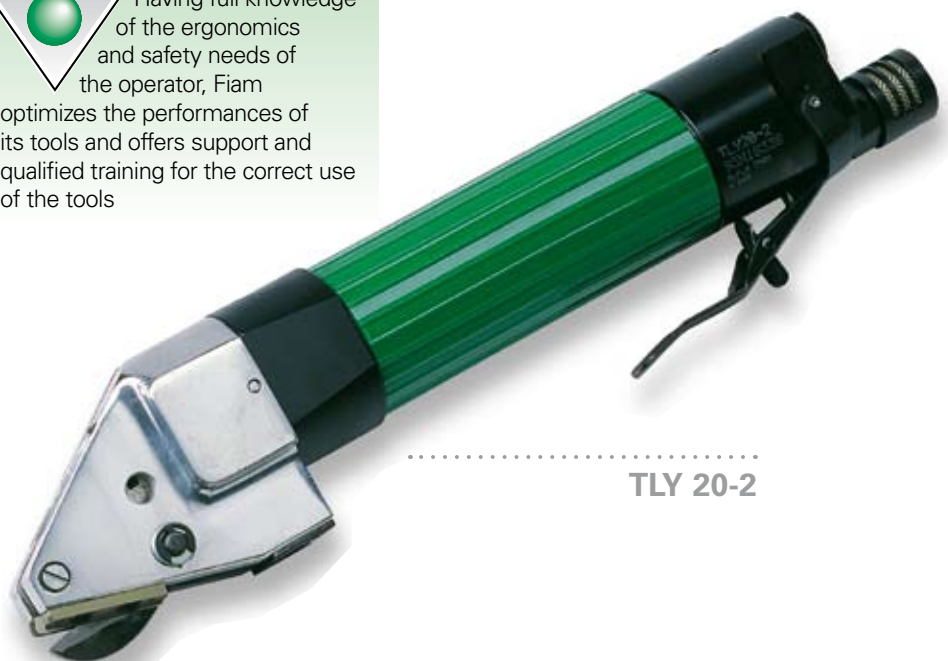
Innovative systems designed paying even more attention with respect to environment and of its safeguard

The advanced design technology of the air motors ensures a **reduction of compressed air** without compromising tool performances





The design of the inner kinematic motions optimizes the output of the available power, which is being transmitted with **minimum dispersions**

All the components are easy to dispose of because they are built using **recyclable materials**; therefore they don't represent a pollution risk or a danger for personal safety

All Fiam products are supplied with **eco-friendly packaging**



TLY 20-2

Type of tool		Power	Cutting capacity	Idle speed	Starting system	Weight		Dimensions mm	Compressed air	Noise level	Vibrations level
Model	Code	Watt	mm	r.p.m.	Type	kg	lb	Ø x l	l/s	dBA	m/s²
<b>Cutters for fibreglass</b>											
TFS 60	164631001	300	8	13000		1,05	2.31	40x205	7	79	<2,5
TFY 100-2	166331102	400	15	9000		1,62	3.56	46x250	10	81	<2,5
<b>Cutters for sheet metal</b>											
TLS 12	164650102	300	1,2	6500		1,07	2.35	40x245	9	75	<2,5
TLY 20-2	166350103	400	1,8	3500		1,55	3.41	46x290	13	81	<2,5

#### Legend



- The figures shown are measured at a pressure of 6.3 bar (ISO 2787), the recommended operating pressure.
- Noise level has been measured in accordance with ISO 3744 and ISO 15744 standards.
- Vibrations level has been measured at no load conditions, in accordance with ISO 8662-1 and ISO 8662-7.
- \* Conversion factor: 1 watt = 0.00135 HP.
- The capacity is referred to a max thickness of the material to be cut.
- The code number must be used when ordering.

The data given in the table are indicative and can be changed without prior notice. The values indicated for noise and vibration levels were obtained in the laboratory, performing tests that comply with the standards stated, but alone are not sufficient for calculating risks. Values measured in the single work places may be higher than those stated. The values of actual exposure and consequent risks are specific and depend on the operator's method of work, the type of work piece and the work place, as well as the operator's time of exposure and his physical conditions.

Fiam cannot be held responsible for any consequences deriving from the use of the information in the table when evaluating risks in the work place over which Fiam has no control.

For all further details, please apply to the Fiam Technical Consultancy Service.

#### Other technical features

Model	Air inlet	Recommended hose bore
TFS 60	1/4" gas	Ø 8 mm
TLS 12	1/4" gas	Ø 8 mm
TFY 100-2	1/4" gas	Ø 8 mm
TLY 20-2	1/4" gas	Ø 8 mm

#### Standard equipment (supplied with the tool)

- Cutters for fibreglass (TFS 60 and TFY 100-2) are supplied with diamond wheel and wrenches for wheel locking
- Cutters for sheet metal (TLS 12 and TLY 20-2) are supplied with blade
- Use and maintenance manual
- Eco-friendly packaging

#### Accessories available upon request

- Filter, pressure regulator, oil fog lubricator, spiral feed hose, silencers and other compressed air system accessories: see Fiam Accessories catalogue.
- Diamond wheel for TFS 60 (Ø wheel 60 mm): code 670031060
- Diamond wheel for TFY 100-2 (Ø wheel 100 mm): code 670031100
- Bit for TLS 12: code cod. 675011012
- Bit for TLY 20-2: code cod. 675011020