



Air screwdrivers CY, CG

- Torque range: from 7 to 40 Nm
- Automatic air shut-off
- Straight and pistol models

Fiam[®]
PEOPLE AND SOLUTIONS

Air screwdrivers CY, CG

Be demanding

Tightening at high torques and speeds using CG shut-off clutch models up to 40 Nm.

Highly performing solutions for any mechanical field where tightenings at **high torques** achieving **good torque repeatability** with a **good weight/performance ratio** and **high speed** is necessary.

The straight models CG complete the range increasing torque achieved, up to 40 Nm.

Reliability

The torque control system with automatic and immediate air shut-off guarantees **high torque repeatability** on every type of joint

The internal gears guarantee **constant performances** and a **longer life for the tool**

Accurate tightenings regardless of the action of the operator and variable joint hardness



Don't be satisfied
with the maximum

Perfection is
in your hands

Naturally
innovative

Productivity

These air screwdrivers are employed where **good repeatability** of the tightening torque is needed

The torque control system permits a **considerable reduction of the quality control times**

The **silencer on the air exhaust guides the output air flow**, making the operator's task easier

The CY models are equipped with **quick change chuck** for a fast accessory replacement. The same is available upon request also for CG25 model.

The high speed of rotation of the nutrunner guarantees a great **cycle time reduction**



Ergonomics

Thanks to the careful study of the internal gears, the **vibration levels are below than 2,5 m/s²** for greater operator's comfort

These screwdrivers are **extremely noiseless** thanks to their built-in silencing system

Low effort starting button: it reduces finger fatigue

The pistol grip version is provided with an **easy to use doubletrigger starting system:** the top button starts rotation to the right; the bottom button starts rotation to the left but is also provided with a **locking device** which is normally inserted to facilitate tightening operations

The screwdrivers can also be used with the **auxiliary grip** (supplied with the tool) to further reduce **reaction on the operator's hand**

Considering the high tightening torques, we recommend using CG and CY models on a reaction arm **which eliminates any torque reaction on the operator's hand**

The pistol grip version is supplied with **hanging ring** for balancer use (balancer) eliminating any operator's effort

Ecology

These air screwdrivers are built **using recyclable materials**; all the components are easy to dispose of and therefore they won't be an environmental pollution and/or personal safety hazard

The technological design of the air motor permits **very high decrease of compressed air consumption**, without affecting tool performances

The possibility of using non lubricated air **eliminates the emission of oil fog** into the environment



More ergonomics, more productivity

Fiam screwdrivers can be used with **BT telescopic reaction arms in carbon fibre and BC cartesian arms**, especially when **high torques are applied**. They reduce significantly the operator's effort, since: they eliminate any counter reaction on the hand; Thanks to balancer used the operator does not need to lift the tool; vibrations are reduced or eliminated; arms allow keeping a good wrist position.



BT telescopic arms



BC cartesian arms

Type of screwdriver	Model	Code	Grip		Tightening torque on soft joint		Idle speed	Starting system	Reversibility	Weight	Dimensions (mm)	Air consumption	Accessories	Noise level	Vibrations
			Type	Nm	Nm	in lb									
	CY9AM	116309039	↓	7 ÷ 18	61.95 - 159.3	800	↓↑	↻	1,500	3.30	46x315	10	⬡ F 1/4"	80	<2,5
	CY11AM	116309037	↓	7 ÷ 24	61.95 - 212.4	550	↓↑	↻	1,500	3.30	46x315	10	⬡ F 1/4"	80	<2,5
	CY9RAM-WP	116514109	↓	7 ÷ 16	61.95 - 141.6	700	↓↑	↻	1,670	3.67	46x345	10	⬡ F 1/4"	80	<2,5
	CY11RAM-WP	116514911	↓	7 ÷ 24	61.95 - 212.4	450	↓↑	↻	1,670	3.67	46x345	10	⬡ F 1/4"	80	<2,5
	CY9PRAM	116514609	↵	7 ÷ 16	61.95 - 141.6	700	↵	↻	1,750	3.85	46x265x175	10	⬡ F 1/4"	80	<2,5
	CY11PRAM	116514611	↵	7 ÷ 24	61.95 - 212.4	450	↵	↻	1,750	3.85	46x265x175	10	⬡ F 1/4"	80	<2,5
	CY9PRAM-WP	116509066	↵	7 ÷ 16	61.95 - 141.6	700	↵	↻	1,750	3.85	46x265x175	10	⬡ F 1/4"	80	<2,5
	CY11PRAM-WP	116509202	↵	7 ÷ 24	61.95 - 212.4	450	↵	↻	1,750	3.85	46x265x175	10	⬡ F 1/4"	80	<2,5
	CG25LRA-Q3/8	114807203	↓	12 ÷ 25	106.2 - 221.25	600	↓↑	↻	2,200	4.84	40x340	13	⬡ M 3/8"	80	<2,5
	CG40LRA-Q3/8	114809907	↓	18 ÷ 40	159.3 - 354	450	↓↑	↻	2,300	5.06	40x341	13	⬡ M 3/8"	80	<2,5

Screwdrivers with pneumatic pick-up signal

CY9RAM-WP-2CS	116509210	↓	7 ÷ 16	61.95 - 141.6	700	↓↑	↻	1,670	3.67	46x345	10	⬡ F 1/4"	80	<2,5
CY11RAM-WP-2CS	116509065	↓	7 ÷ 24	61.95 - 212.4	450	↓↑	↻	1,670	3.67	46x345	10	⬡ F 1/4"	80	<2,5
CY9PRAM-WP-2CS	116509211	↵	7 ÷ 16	61.95 - 141.6	700	↵	↻	1,750	3.85	46x265x175	10	⬡ F 1/4"	80	<2,5
CY11PRAM-WP-2CS	116509069	↵	7 ÷ 24	61.95 - 212.4	450	↵	↻	1,750	3.85	46x265x175	10	⬡ F 1/4"	80	<2,5

* CG models are available upon request with double signal ports for error proofing.

Legend

Reversibility: the reversible models are suitable for tightening and untightening operation

Models with only right rotation: (only fastening)

Push to start

Lever start

Push button + push to start

Push button

- The figures shown are measured at a pressure of 6,3 bar (ISO 2787), the recommended operating pressure.
- The tightening torque values have been measured in accordance with ISO 5393 standard.
- Noise level has been measured in accordance with ISO 3744 and ISO 15744 standards.
- Vibrations level have been measured in accordance with ISO 8662-1 and ISO 8662-7.
- Accessory drive: 1/4", 6,35 mm female hexagonal drive (ISO 1173).
- The code number must be used when ordering.

The data given in the table are indicative and can be changed without prior notice. The torque values are purely indicative and may be influenced by the softness of the type of joint, by the type and length of the screw, by the pressure and quantity of air supply, and by the type of accessory used. 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.

CY, CG air screwdrivers are designed for use with lubricated and unlubricated compressed air

Other technical features

Models	Air inlet	Recommended hose bore
CY, CG	1/4" gas	Ø 8 mm

Standard equipment (supplied with the tool)

- Clutch adjustment key
- Hanging ring
- Auxiliary grip for straight models (code 681041002)
- Auxiliary grip for pistol models (code 681041011)
- Eco-friendly packaging
- Use and maintenance manual

Models available upon request

Screwdrivers CY

- Models with only right hand rotation
- Models with only left hand rotation

Screwdrivers CG

- Model with quick change chuck (only for CG25 model)
- Models with axial built-in compensator (telescopic version)

Accessories available upon request

- Bits, hexagonal sockets; balancers, exhaust silencers and other compressed air system accessories: see Accessories Catalogue 77, 78
- Swinging arm stand, telescopic and cartesian arm for ergonomic workplaces (see Accessory Catalogue n.79)
- Computerized monitoring unit of the tightening cycle (Poka Yoke system)**
CY, CG screwdrivers can be supplied with **pneumatic pick-up signal** (ported) and connected to **computerized monitoring unit TOM** (Tightening Operation Monitor), a **practical and ease monitoring system (anti-error system)**: thanks to 'screws count' function, you won't risk any omission in case of high production rate.



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