

PATENTED EXCLUSIVELY BY FIAM

### The pistol Upgrip model

The cooperation between FIAM and a leader company in the household appliances has given as a result the screwdriver CSEZ...PURAS, which is **patented and in exclusive by Fiam**.

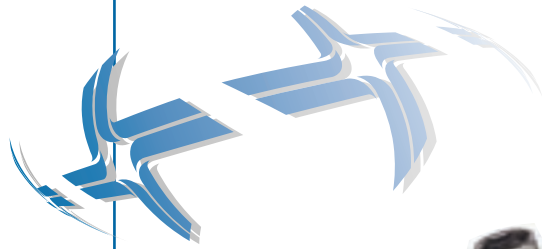
The pistol **UpGrip** allows an comfortable **access to those working places otherwise unreachable by the traditional air screwdrivers**. These situations can occur in different fields, such as those of the appliances field (e.g. in the assembly of the ovens). The air feed from the top and ergonomic studies of the grip have brought to the design of **an extremely light, balanced and particularly handy tool**.

The UpGrip models, can be supplied, on request, with an insulated anti-slip plastic sheath



CSEZ...PURAS





## **Air angle nutrunners**



- **Series:**  
AS, AN, AY
- **Tightening torque:**  
from 11 to 110 Nm
- **Torque control system:**  
by adjusting the pressure of the compressed air feed
- **Models with:**  
flat angle head,  
90° angle head,  
worm drive

**Fiam**

INDUSTRIAL AIR TOOLS

# Air angle nutrunners



## Practical and versatile in use


FIAM air angle nutrunner AS, AN, AY range, are indispensable when working in areas of **limited space** or **restricted access**, such as up against walls, structural metal sections or profiled beams, etc.

In particular the AN air nutrunners, due to their **low speed and high torque values**, makes them suitable for use in a wide variety of different applications, such as, for example, moving slides and carriages, on packaging machines for tightening straps, moving workpieces for machining, etc.


The tightening torque can be easily controlled by adjusting the pressure of the compressed air supply, using the related pressure regulator (see Accessories available upon request). All models, besides being reversible, have a newly designed grip, more ergonomic for greater comfort for the operator.


## Ergonomics and safety in operations

FIAM air angle nutrunners AS, AN, AY range represent the ergonomically correct reply to safety norms: besides the **low noise level**, the **vibrations level is lower than 1 m/sec<sup>2</sup>** (in conformity with the EN ISO 8662-7: 1997 standard).


 **Starting system:** lever, push button



 **Reversibility:** for all models

 **Idle speed:** from 32 to 1100 r.p.m.

 FIAM nutrunners are designed for use with either lubricated or unlubricated compressed air.

TYPE OF NUTRUNNER		GRIP	TYPE OF HEAD	MAX-TORQUE		IDLE SPEED	STARTING SYSTEM		REVERSIBILITY	WEIGHT	COMPRESSED AIR CONSUMPTION	ACCESSORIES	NOISE LEVEL	VIBRATIONS LEVEL
Model	Code			Nm	r.p.m.		Type	Type						
AS 5 RS	114890905		90°	11	1100			1,040	10	<input type="checkbox"/> M 3/8"	80	< 2,5		
AS 6 RS	114890906		90°	16	800			1,040	10	<input type="checkbox"/> M 3/8"	78	< 2,5		
AS 10 RS	114890910		90°	36	350			1,300	10	<input type="checkbox"/> M 3/8"	77	< 2,5		
AS 60 RS	114890960		90°	70	300			2,100	12	<input type="checkbox"/> M 1/2"	78	< 2,5		
A6 RS 1	114890924		FLAT HEAD	12,5	550			1,400	9	<input type="checkbox"/> F 1/4"	80	< 2,5		
A 8 RY	116390908		FLAT HEAD	23	450			2,000	10	<input type="checkbox"/> F 14mm	80	< 2,5		
A 10 RY	116390910		FLAT HEAD	30	300			2,000	10	<input type="checkbox"/> F 14mm	80	< 2,5		
AN 50 S	116090145		WORM DRIVE	50	450			2,200	13	<input type="checkbox"/> F 12mm	77	< 2,5		
AN 90 S	116090140		WORM DRIVE	90	125			2,350	13	<input type="checkbox"/> F 12mm	77	< 2,5		
AN 110 S	116090135		WORM DRIVE	110	65			2,350	13	<input type="checkbox"/> F 12mm	77	< 2,5		
AN 110-32 S	116090130		WORM DRIVE	110	32			2,350	13	<input type="checkbox"/> F 12mm	77	< 2,5		

 **REVERSIBILITY:** All models are suitable for tightening and untightening operations.  
\* Using either the bottom hexagonal drive (right-hand rotation) or top hexagonal drive (left-hand rotation).

 LEVER START  
 PUSH BUTTON START

- The figures shown are measured at a pressure of 6,3 bar (ISO 2787: 1984), the recommended operating pressure.
- The tightening torque values have been measured in accordance with ISO 5393: 1994 standard.
- Noise level has been measured in accordance with EN ISO 3744: 1995 and EN ISO 15744: 2002 standards.
- Vibrations level has been measured in accordance with EN ISO 28662-1: 1992 and EN ISO 8662-7: 1997 standard.
- Accessory drive: 1/4", 6,35 mm; female hexagonal 12 and 14 mm drive (ISO 1173: 1998); male square drive (ISO 1174-1: 1996).
- The code number must be used when ordering.

Values for the maximum tightening torque (110 Nm) and idle speed (32 rpm) were established with an idle feeding pressure of 3 Bar. The feeding pressure must not exceed 3 bar to guarantee a long life of the tool's internal components.

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 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 Assistance Service**.