

Air screwdrivers & nutrunners



Air screwdrivers CZ...R and CZ...PR1

- **Tightening torque:**
from 0,6 to 4,7 Nm
- **Torque control system:**
Uni-Jointech
(slip clutch)
- **Type of grip:**
pistol and
straight models



Air screwdrivers CZ...R and CZ...PR1

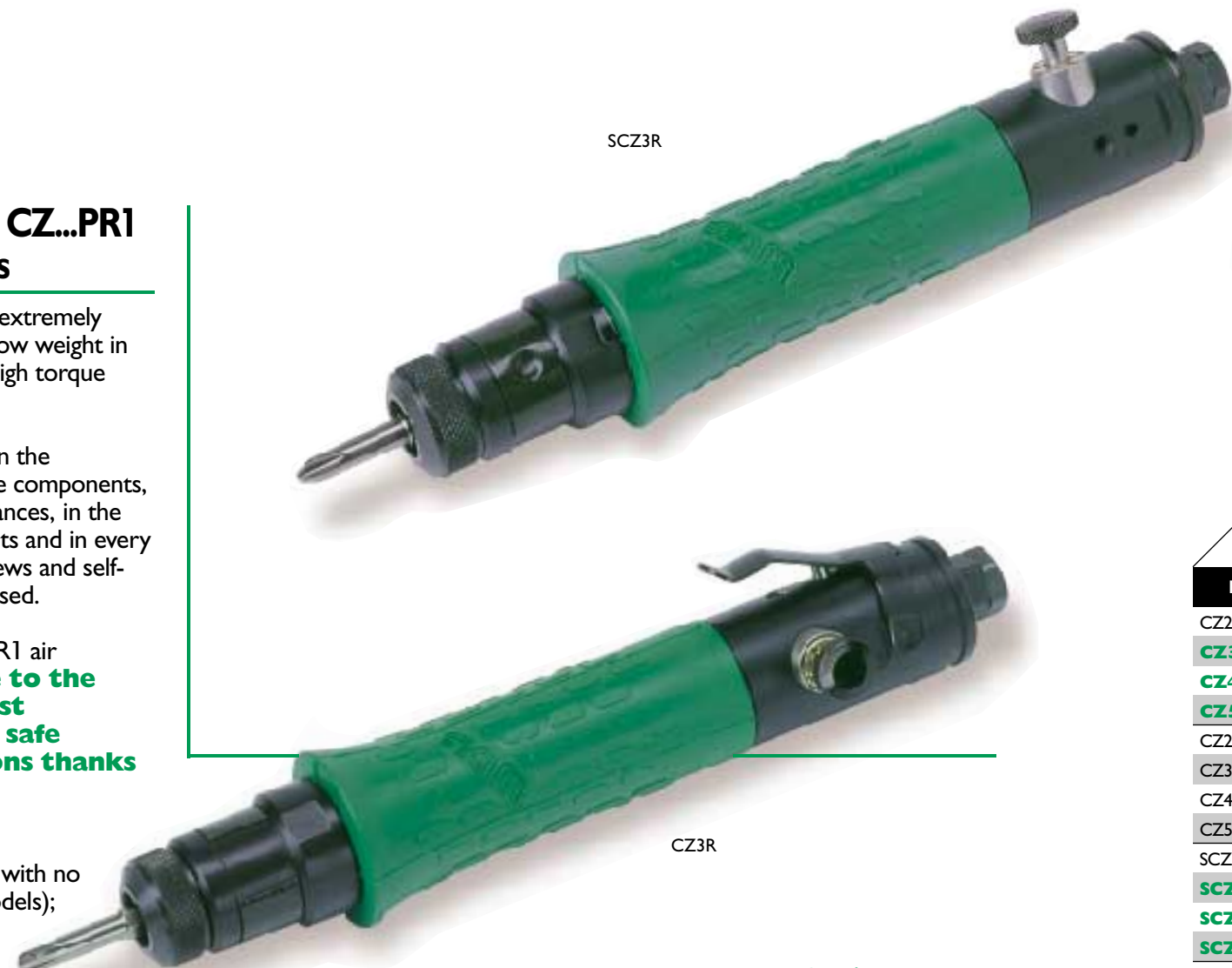
The CZ...R and CZ...PR1 air screwdrivers

...are characterized by extremely small dimensions and low weight in comparison with the high torque values offered.

They are widely used in the assembling of small size components, in the household appliances, in the automotive components and in every field where metric screws and self-threading screws are used.

The CZ...R and CZ...PR1 air screwdrivers, **assure to the operator the most comfortable and safe working conditions thanks to:**

- the ergonomic grip;
- the insulated sheath with no slip grip (straight models);
- the possibility of using both for right and left hand operators;
- the easy reversible systems with lock device;
- low weight;
- the hanging ring (which allows a very good balancing of the tool);
- reduction in noise and vibrations level.



SCZ3R

CZ5PR1

CZ3R



Type of grip: pistol and straight models



Idle speed: from 600 to 2800 r.p.m.



Starting system: lever+push to start, lever, push to start, push button, push button+push to start



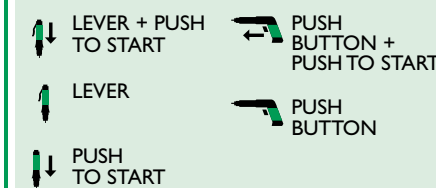
Reversibility: for all models



Fiam screwdrivers are designed for use with either lubricated or unlubricated compressed air.

TYPE OF SCREWDRIVER		GRIP		TIGHTENING TORQUE		IDLE SPEED	STARTING SYSTEM		REVERSIBILITY	WEIGHT	DIMENSIONS mm	COMPRESSED AIR CONSUMPTION	ACCESSORIES	NOISE LEVEL	VIBRATIONS LEVEL
Model	Code	Type	Nm	Nm	r.p.m.		Type	Type							
CZ2R	112511902		0,8+2,8	0,8+2,5	2800	↕	↻	0,460	32x204	5	⊕ F 1/4"	73	*		
CZ3R	112511903		1+3,3	0,8+3	1300	↕	↻	0,490	32x216	5	⊕ F 1/4"	72	*		
CZ4R	112511904		1+3,5	0,8+3,3	850	↕	↻	0,490	32x216	5	⊕ F 1/4"	71	*		
CZ5R	112511905		0,8+4,7	0,6+4,2	600	↕	↻	0,490	32x216	5	⊕ F 1/4"	70	*		
CZ2R-WVP	112509248		0,8+2,8	0,8+2,5	2800	↕	↻	0,460	32x204	5	⊕ F 1/4"	73	*		
CZ3R-WVP	112509227		1+3,3	0,8+3,3	1300	↕	↻	0,490	32x216	5	⊕ F 1/4"	72	*		
CZ4R-WVP	112509237		1+3,5	0,8+3,3	850	↕	↻	0,490	32x216	5	⊕ F 1/4"	71	*		
CZ5R-WVP	112509214		0,8+4,7	0,6+4,2	600	↕	↻	0,490	32x216	5	⊕ F 1/4"	70	*		
SCZ2R	112511302		0,8+2,8	0,8+2,5	2800	↕	↻	0,460	32x192	5	⊕ F 1/4"	73	*		
SCZ3R	112511303		1+3,3	0,8+3	1300	↕	↻	0,490	32x204	5	⊕ F 1/4"	72	*		
SCZ4R	112511304		1+3,5	0,8+3,3	850	↕	↻	0,490	32x204	5	⊕ F 1/4"	71	*		
SCZ5R	112511305		0,8+4,7	0,6+4,2	600	↕	↻	0,490	32x204	5	⊕ F 1/4"	70	*		
CZ2PR1	112511502	↵	0,8+2,8	0,8+2,5	2700	↕	↻	0,660	27x190x140	5	⊕ F 1/4"	71	*		
CZ3PR1	112511503	↵	1+3,5	0,8+3,5	1350	↕	↻	0,700	27x202x140	5	⊕ F 1/4"	73	*		
CZ4PR1	112511504	↵	1+4	0,8+3,8	900	↕	↻	0,700	27x202x240	5	⊕ F 1/4"	72	*		
CZ5PR1	112511505	↵	0,8+4,7	0,6+4,2	600	↕	↻	0,700	27x202x140	5	⊕ F 1/4"	73	*		
CZ2PR1-WVP	112509510	↵	0,8+2,8	0,8+2,5	2700	↕	↻	0,660	27x190x140	5	⊕ F 1/4"	71	*		
CZ3PR1-WVP	112509351	↵	1+3,5	0,8+3,5	1350	↕	↻	0,700	27x202x140	5	⊕ F 1/4"	73	*		
CZ4PR1-WVP	112509511	↵	1+4	0,8+3,8	900	↕	↻	0,700	27x202x240	5	⊕ F 1/4"	72	*		
CZ5PR1-WVP	112509353	↵	0,8+4,7	0,6+4,2	600	↕	↻	0,700	27x202x140	5	⊕ F 1/4"	73	*		

REVERSIBILITY: All models are suitable for tightening and untightening operation



The models highlighted in green are usually available from stock.

* Any air screwdrivers which uses a "slip clutch" torque control (and similar) generates vibrations over 2,5 m/sec.². We therefore recommend to use Fiam air screwdrivers with a Jointech-Plus torque control system (with automatic and immediate air shut-off) which have a vibration level of less than 2,5 m/sec.².

- 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 PN8NTC1.2 standards
- Vibrations level have been measured in accordance with ISO 8662 standard
- 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 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**.

Other technical features

Models	Air inlet	Recommended hose bore
CZ...R; CZ...R-WP; SCZ...R	1/8" gas	Ø 5 mm
CZ...PR1; CZ...PR1-WP	1/4" gas	Ø 5 mm

Chart of torque range obtainable with clutch springs assembled on the tool, supplied with or upon request

CLUTCH SPRING	Upon request		Assembled on the tool		Supplied with		Supplied with		Supplied with	
	NEUTRAL clutch spring Ø wire 1,2 mm Code 595201203		BROWN clutch spring Ø wire 1,6 mm Code 595201600		PINK clutch spring Ø wire 2,0 mm Code 595202000		SILVER clutch spring Ø wire 2,1 mm Code 595202100		GOLD clutch spring Ø wire 2,2 mm Code 595202200	
STRAIGHT MODELS	Torque range Hard joint Soft joint		Torque range Hard joint Soft joint		Torque range Hard joint Soft joint		Torque range Hard joint Soft joint		Torque range Hard joint Soft joint	
CZ2R CZ2R-WP SCZ2R	0,6÷1,7	0,3÷1,5	0,8÷2,8	0,8÷2,5						
CZ3R CZ3R-WP SCZ3R	0,6÷1,1	0,3÷1,0	1,0÷2,5	0,8÷2,2	1,8÷3,3	1,8÷3,0				
CZ4R CZ4R-WP SCZ4R	0,4÷0,8	0,3÷0,7	1,0÷2,4	0,8÷2,5			2,5÷3,5	2,0÷3,3		
CZ5R CZ5R-WP SCZ5R	0,4÷0,7	0,3÷0,6	0,8÷2,0	0,6÷1,9					1,4÷4,7	1,0÷4,2

CLUTCH SPRING	Upon request		Assembled on the tool		Supplied with		Supplied with		Supplied with	
	NEUTRAL clutch spring Ø wire 1,2 mm Code 595201203		BROWN clutch spring Ø wire 1,6 mm Code 595201600		PINK clutch spring Ø wire 2,0 mm Code 595202000		SILVER clutch spring Ø wire 2,1 mm Code 595202100		GOLD clutch spring Ø wire 2,2 mm Code 595202200	
PISTOL MODELS	Torque range Hard joint Soft joint		Torque range Hard joint Soft joint		Torque range Hard joint Soft joint		Torque range Hard joint Soft joint		Torque range Hard joint Soft joint	
CZ2PR1 CZ2PR1-WP	0,6÷1,7	0,3÷1,5	0,8÷2,8	0,8÷2,5						
CZ3PR1 CZ3PR1-WP	0,6÷1,1	0,3÷1,0	1,0÷2,8	0,8÷2,4	2,6÷3,5	2,2÷3,5				
CZ4PR1 CZ4PR1-WP	0,4÷0,8	0,3÷0,7	1,0÷2,2	0,8÷1,9			1,3÷4,0	1,1÷3,8		
CZ5PR1 CZ5PR1-WP	0,4÷0,7	0,3÷0,6	0,8÷2,2	0,6÷2,0					1,1÷4,7	1,0÷4,2

Standard equipment (supplied with the tool)

- Clutch adjustment key
- Additional clutch spring
- Hanging ring
- Use and maintenance manual

Accessories available upon request

- Bits, hexagonal sockets; balancers, exhaust silencers and other compressed air system accessories: see Accessories catalogue.
- For the CZ... models clutch spring (code 595201203) to obtain inferior torque in respect to the minimal torque values indicated on the catalogue (max 0,3 Nm on soft joint).

Models available upon request

- Models with only right rotation
- Models with quick-change chuck: add M to code number when ordering (eg: CZ4PR1 → CZ4PR1-M).

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Environmental Management System Certificate
UNI EN ISO 14001 / ICIM 0002A/0

