



**Easy tightening**  
**Fast tightening**

**IM Mechanical Air  
Impact Wrenches**

**Fiam**®  
PEOPLE AND SOLUTIONS

## IM Mechanical Air Impact Wrenches

# Fiam Mechanical Impact wrenches: speed, power and comfort guaranteed

The main qualities of the Fiam Mechanical Impact wrenches lie in the high torque values, in relation to the light weight of the tool, and the impressive working speed.

Thus they can be used to **easily and quickly tighten and unscrew large screws, nuts and bolts**, even badly rusted ones, without any torque reaction on the operator's hand.

Particularly **suited to many fields - from building and road construction to shipbuilding, railway construction, chemical plants, structural work, farm machinery and earthmoving equipment** - Fiam Mechanical Impact wrenches also find wide use in **assembly, disassembly and maintenance departments** in all kinds of industrial manufacturing sectors.



IM910P

CS112



Be demanding

## Reliability

A careful design guarantees long lifetime and reliability of the components which results in high productive process, less maintenance and repair costs

**Important technological innovations** make these solutions extremely long lasting: more specifically, **wear of internal parts has been further reduced** with the introduction of the **oil-bath hammer device (mod. IM910P)** for longer life of the tool



Don't be satisfied  
with the maximum

Perfection  
is in your hands

Naturally innovative

# Productivity Ergonomics Ecology

Considerable increase of the efficiency of the tightening cycle thanks to innovative systems

Being extremely versatile, **all models can be used to cover a wide range of torques**, whose value can be varied by simply adjusting the air feed pressure

By using two identical hammers, the **twin-hammer impact** device (models IM650P and IM710P) produces a double impact for each cycle on both sides of the shaft allowing to obtain an immediate and balanced mechanical impulse, transferring the maximum torque to the tap holder shaft and enhancing vibrations absorption.

The models IM780P and IM910P are characterized by 3-jaw system that **produces a single impact for each cycle on all 3-jaws** with an high torque value and low vibration levels

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

The **oil-bath hammer device** (mod. IM910P) makes this an extremely **quiet-running tool**

Each model is equipped with a **hanging device** to **completely eliminate operator fatigue** in holding the tool

The **silencing system** makes these wrenches extremely quiet; they are also equipped with a controlled discharge of exhaust air

On the CSI12P1 wrenches, the control top features a special device for the **controlled discharge of exhaust air**, and also allows you to **convey exhaust air** so as not to disturb the operator during the tightening operations

All models also feature a **handy, easy-action start button** to reduce strain on the operator's finger

**Weight is surprisingly light** compared to the power delivered

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

The **air motor's** advanced engineering technology allows for a **reduction of compressed air consumption** without detriment to the tool's performance



IM65P



CSI12P1

**ERGOTECH**



**Ergotech project**

Having full knowledge of the ergonomics needs and of the safety of the operator, Fiam optimizes the performances of its tools and offers consulting and qualified training for the correct use of the screwdrivers

Type of screwdriver	Model	Code	Grip	Recommended tightening torque				Idle speed	Starting system	Reversibility	Weight	Dimensions (mm)	Idle air consumption	Accessories	Max tightening torque expressed	
				min. Nm	max. Nm	min. in lb	max. in lb									
	CSI12	114820112	┆	30 ÷ 40		265.5 - 354		2200	┆	↻	0,98	2,16	40x240	6	☐ 3/8"	40
	CSI12P1	114820522	┆	25 ÷ 40		221.25 - 354		1900	┆	↻	1,19	2,62	40x230x155	6	☐ 3/8"	40
	IM65P	119520610	┆	24 ÷ 64		212.4 - 566.4		7200	┆	↻	1,40	3,08	45x160x172	9	☐ 3/8"	118
	IM650P	119520642	┆	60 ÷ 650		531- 5752.5		6000	┆	↻	2,47	5,06	65x151x190	14	☐ 1/2"	850
	IM710P	119520631	┆	210 ÷ 710		1858.5-6283.5		6000	┆	↻	2,52	6,16	65x151x192	14	☐ 3/4"	900
	IM780P	119520651	┆	210 ÷ 780		1858.5- 6903		5600	┆	↻	4,20	10,78	84x163x228	21	☐ 3/4"	1000
	IM910P	119520662	┆	320 ÷ 907		2832 - 8026.95		5400	┆	↻	5,95	12,5	95x182x238	32	☐ 3/4"	1600

### Legend

IM = Mechanical Air Impact Wrench • 65 = Maximum tightening torque in Nm • P = Pistol grip

### Legend

**Reversibility:** all models are suitable for tightening and untightening operation

**Lever start**

**Push button**

- The figures shown are measured at a pressure of 6,3 bar (ISO 2787), the recommended operating pressure.
- Accessory drive: male square drive (ISO 1174).
- 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.

*The operator exposed to a noise levels must use the personal safety devices (earmuffs, ear plugs, etc), to safeguard himself against inherent risks.*

### Other technical features

Recommended model	Air inlet	Recommended hose bore
CSI...IM65, 650P	1/4" gas	Ø 8 mm
IM710P	3/8" gas	Ø 10 mm
IM780P	3/8" gas	Ø 13 mm
IM910P	1/2" gas	Ø 13 mm

### Standard equipment (supplied with the tool)

- Hanging ring
- Use and maintenance manual
- Eco-friendly packaging
- IM models are supplied with:
  - Specific grease for maintenance
  - Oil for lubricating

### Accessories available upon request

#### Other accessories

- Bits, sockets etc.; balancers, exhaust silencers and other compressed air system accessories: see Fiam Accessories catalogue

#### Filter/Regulator/Lubricator

- Filter, pressure regulator, oil fog lubricator. Suitable to obtain the required torque value by adjusting the air feed pressure. Less pressure = less tightening torque.

### Models available upon request

- Models for torque ranges above those given in the chart
- Models with output shaft other than that given in the chart

For further information, contact the Fiam Technical Consultancy Service

Threaded attack	Flow rate	Complete assembly	Reduction compl. of gauge	Lubricator
mm	l/s	code	code	code
1/4" gas	1,7 ÷ 16	697331020	697331025	697281020
3/8" gas	4,2 ÷ 20	697351020	697351025	697291020
1/2" gas	8 ÷ 43	697371020	697371025	697301020



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Quality Management System Certificate



Environmental Management System Certificate