



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.



IM 900 P

CSI 12



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 **new oil-bath hammer device (mod. IM 900 P)** 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 new **twin-hammer impact** device (models IM 180, 260 and 900 P) achieves instant, balanced mechanical impact, transferring the full torque to the anvil and reducing vibrations

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

The **oil-bath hammer device** (mod. IM 900 P) 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 CSI 12 P1 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



IM 65 P



CSI 12 P1



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
	CSI12	114820112		30 ÷ 40	265,5 - 354	2200			0,98	2,16	40x240	6	<input type="checkbox"/> 3/8"	40
	CSI12P1	114820522		25 ÷ 40	221,25 - 354	1900			1,19	2,62	40x230x155	6	<input type="checkbox"/> 3/8"	40
	IM65P	119520610		24 ÷ 64	212,4 - 566,4	7200			1,40	3,08	45x160x172	9	<input type="checkbox"/> 3/8"	118
	IM180P	119520620		64 ÷ 177	566,4 - 1035,45	5800			2,45	5,39	60x190x190	14	<input type="checkbox"/> 1/2"	314
	IM260P	119520640		108 ÷ 255	955,8 - 2256,75	5600			2,30	5,06	62x185x190	14	<input type="checkbox"/> 1/2"	490
	IM240P	119520630		108 ÷ 235	955,8 - 2079,75	5600			2,80	6,16	60x197x192	14	<input type="checkbox"/> 3/4"	471
	IM600P	119520650		196 ÷ 638	1734,6 - 5646,3	5000			4,90	10,78	82x234x228	21	<input type="checkbox"/> 3/4"	1000
	IM900P	119520660		320 ÷ 907	2832 - 8026,95	4800			5,68	12,5	85x230x238	32	<input type="checkbox"/> 3/4"	1500

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..., IM 65, 180, 260 P	1/4" gas	Ø 8 mm
IM 240 P	3/8" gas	Ø 10 mm
IM 600 P	3/8" gas	Ø 13 mm
IM 900 P	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. or 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



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