



Easy tightening
Fast tightening

**IM Mechanical Air
Impact Wrenches**

- Torque range: from 24 to 907 Nm

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.

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



IM910P

CS12



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 design technology of the air motors ensures a **reduction of compressed air** without compromising tool performances

The design of the inner kinematic motions **optimizes the output of the available power**, which is being transmitted with minimum dispersions

All the components are easy to dispose of because they are **built using recyclable materials**; therefore they don't represent a pollution risk

All products are supplied with **eco-friendly packaging**



.....
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		Grip	Recommended tightening torque				Idle speed	Starting system	Reversibility	Weight		Dimensions (mm)	Idle air consumption	Accessories	Max tightening torque expressed
Model	Code	Type	Nm	Nm	in lb	in lb	r.p.m.	Type	Type	kg	lb	ØxLxh	l/s	Drive	Nm
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 operator exposed to a noise levels must use the personal safety devices (earmuffs, ear plugs, etc), to safeguard himself against inherent risks.

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.

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

- 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