



Easy tightening
Fast tightening

New
IH hydraulic air
pulse wrenches

Fiam

PEOPLE AND SOLUTIONS

**New
IH hydraulic air
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New hydraulic air pulse wrenches: powerful and fast

If your problem is reducing assembly times, the ideal solution lies in a powerful, fast and easy to use wrench. This is why Fiam has come up with the new hydraulic air pulse wrenches IH: the most effective solution to **tightening screws, nuts and bolts with maximum speed, facility and comfort.**

The new range comprises 6 pistol models and 3 straight ones. Catering to tightening needs ranging from 5 to 210 Nm, this latest generation of hydraulic pulse wrenches incorporates a series of important technological innovations that meet the dual needs of increased productivity and improved operator comfort.

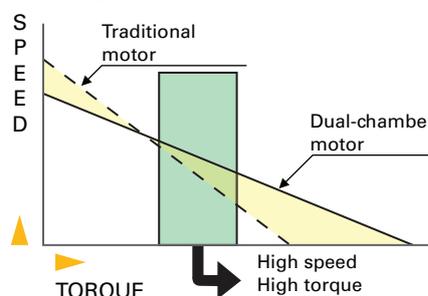
Be demanding

Reliability

Long lifetime of the components also with elevated production rhythms thanks to careful design, less maintenance and repair costs

The new dual-chamber motor permits a considerable **reduction of the weights, maintaining a high power**

New important technological innovations guarantee **reduced wear of internal parts** for longer tool life



In terms of performances, the efficiency of a standard one-chamber motor is absolutely lower than a dual-chamber motor as IH wrenches.

IH 50



IH 35P



IH 15P



IH 14



IH 30P



IH 30



Don't be satisfied
with the maximum

Productivity

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

These wrenches cover a **wide torque range** to provide a solution to any assembly need

The new motor guarantees a **high output on the various joints** as well as **high tightening torques** obtainable in very short times

Perfection is in
your hands

Ergonomics

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

All models feature a **comfortable reverse button** to favour the operator in tightening operations

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

Comfortable low effort start button: it reduces finger fatigue

The special **rubber-covered grip** isolates the tool from the cold and vibrations, making it safer for the operator to hold the wrench

The **reaction to the operator's hand is reduced**, also at high torques

Naturally
innovative

Ecology

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

All the components are **easy to dispose of** because they are built **using recyclable materials**; therefore they do not represent any danger for environmental pollution

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



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 wrenches



Type of screwdriver	Code	Type	Tightening torque on soft joint		Tightening torque on hard joint		Idle speed	Starting system	Reversibility	Weight		Dimensions (mm)	Air consumption	Accessories
			Nm	in lb	Nm	in lb				g	lb			
IH 15P	119545013		5 ÷ 15	44.2 ÷ 132.7	9 ÷ 20	79.6 ÷ 176.9	8500			900	1.984	44x125x165	12	MR 1/4" es
IH 30P	119545030		15 ÷ 30	132.7 ÷ 265.4	15 ÷ 35	132.7 ÷ 309.7	6500			1210	2.667	56x135x170	18	<input type="checkbox"/> 3/8" es
IH 35P	119545055		20 ÷ 35	176.9 ÷ 309.7	35 ÷ 55	309.7 ÷ 486.7	6000			1340	2.667	56x135x175	18	MR 1/4" es
IH 55P	119545060		25 ÷ 55	221.2 ÷ 486.7	35 ÷ 60	309.7 ÷ 530.9	5500			1340	2.954	56x158x175	20	<input type="checkbox"/> 3/8"
IH 115P	119545100		60 ÷ 115	530.9 ÷ 1017.6	85 ÷ 120	752.2 ÷ 1061.9	5500			2120	4.673	66x175x190	23	<input type="checkbox"/> 1/2"
IH 175P	119545170		80 ÷ 175	707.9 ÷ 1548.6	115 ÷ 210	1017.6 ÷ 1858.4	3000			3740	8.245	78x200x210	26	<input type="checkbox"/> 1/2"
IH 14	119546013		8 ÷ 14	70.7 ÷ 123.8	8 ÷ 25	70.7 ÷ 221.2	8500			1100	2.425	50x173	9	MR 1/4" es
IH 30	119546027		16 ÷ 30	141.6 ÷ 265.4	16 ÷ 40	141.6 ÷ 353.9	9000			1100	2.425	56x196	16	MR 1/4" es
IH 50	119546060		25 ÷ 50	221.2 ÷ 442.4	30 ÷ 70	265.4 ÷ 619.4	7500			1220	2.689	56x223	16	<input type="checkbox"/> 3/8"

Legend

IH = Hydraulic pulse wrench • 14 = Maximum tightening torque in Nm • P = Pistol grip

Legend

Reversibility: all models are suitable for tightening and untightening operation

Push button

Lever start

- 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).
- MR = quick change-chuck; female hexagonal drive 1/4", 6,35 mm (ISO 1173).
- The code number must be used when ordering.
- Consumptions: They are reduced approximately of 30-35% in standard working conditions with tool under load.

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
IH 14, 30, 50	1/4" gas	Ø 10 mm
IH 15, 30, 35, 55P	1/4" gas	Ø 10 mm
IH 115, 175P	1/4" gas	Ø 12 mm

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.

Standard equipment (supplied with the tool)

- Adjustment key
- Hanging ring
- Use and maintenance manual
- Eco-friendly packaging

Threaded attack	Flow rate	Complete assembly	Reduction comp. 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



Fiam

Fiam Utensili Pneumatici Spa
 Viale Crispi 123 - 36100 Vicenza - Italy
 Tel. +39.0444.385000 - Fax +39.0444.385002
 customerservice@fiamairtools.com
 www.fiamairtools.com



FIAM PRODUCTS ONLY USE QUALITY COMPONENTS



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