



Tightening automation.
Only excellent solutions.

Automatic nut presenter

• AM

FIAM®

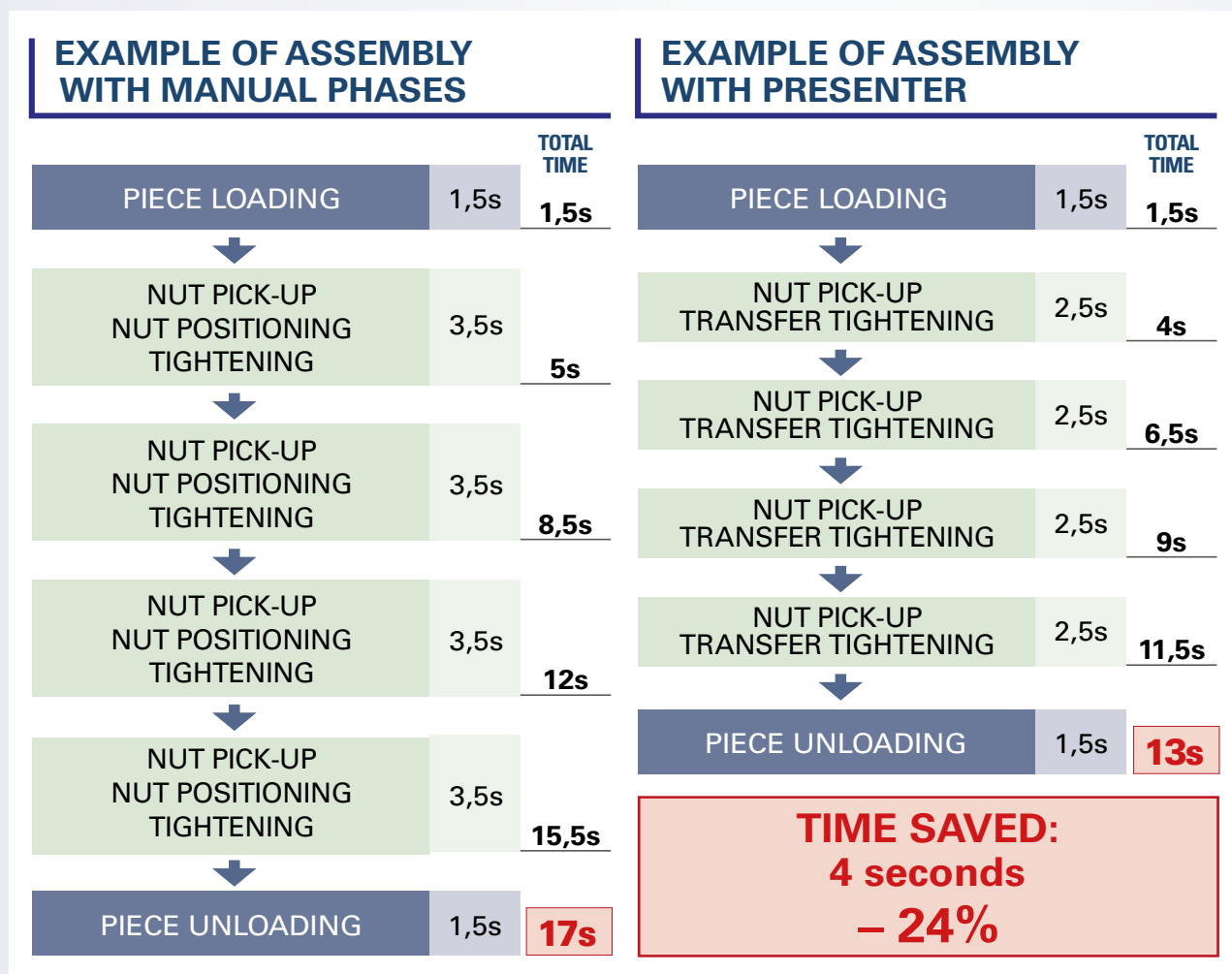
PEOPLE AND SOLUTIONS

Automatic nut presenter: efficient solutions for rapid and safe assembly applications

When bench or line assembly requires the use of very small nuts, **time is essential to increase production**. The innovative systems for fastening with automatic nuts feed notably **reduce the cycle-time** and thus **improve productivity**. This is why:

- They offer an easy and **continuous supply of nuts** to be tightened
- The **manual phases** involving picking up and positioning of the nut are eliminated; these systems **make easier the operator work** because nuts can be picked up directly from screwdriver without using the hands
- The **picking up device for nuts are extremely reliable** and reduce the tightening times
- They guarantee **reduced operator fatigue** because they are easy to use and perfectly ergonomic

These solutions guarantee **high reliability, long life and constant performance** and consequently a reduction of the maintenance / repair costs.



The great productivity of these systems guarantees a **return on the investment** in a very short time.

For hexagonal nuts

'Pick and place' tightening systems AM

The 'pick and place' systems guarantee greater speed in the work cycles with concrete reduction of the production costs.

These are their different advantages:

- The manual phases (picking up the nut and positioning it) are eliminated with a reduction of the cycle times over 24%
- Increase of the productivity
- Reduced fatigue for operator
- Higher quality of the assembled products: no nut remains into the component

EASY SUPPLY OF NUTS

A high capacity vibrating loader unit equipped with a transparent cover for a good view of the bowl

FEED SPEED

It can be easily adjusted through a built-in electronic unit

NUT SUCTION STATION

A pneumatic cylinder positioned into presenter pushes the nut upwards to insert it in the special socket of the screwdriver (to be ordered separately)

NUT RETAINING ALWAYS GUARANTEED

The picked up nut is transferred by operator to be tightened onto the component

VERSATILITY OF USE

The AM presenter can be used with:

- **straight air or electric screwdrivers with lever start.**

To choose the most suitable presenter, the tool and the special sockets please contact **Fiam Technical Consultancy Service**.



Discover how it works!

AM...B MODELS		HEXAGONAL NUTS			
Model	Cod	Weight kg	Minimum height mm	Maximum height mm	Hexagon mm
AM55B	199971001	23	2,15	2,4	5,5
AM60B	199971002	23	2,55	3	6
AM70B	199971003	23	2,75	3,2	7
AM80B	199971004	23	3,7	4	8
AMB100B	199971005	23,5	4,7	5	10
AMB110B	199971006	23,5	5,2	5,5	11
AMB130B	199971007	23,5	6,15	6,5	13

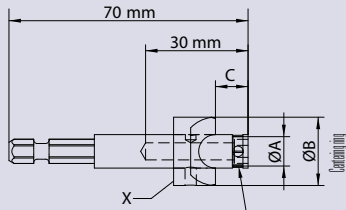
- Recommended working pressure: 6,3 bar
- 1/4" gas air inlet
- Mains supply: 220 V, 50 Hz
- The code number must be used when ordering
- Special socket for screwdriver to be ordered separately (see Accessories available upon request)

Standard equipment (provided with the presenter)

- Electronic unit for adjusting operating speed
- Use and maintenance manual
- Eco-friendly packaging

Accessories available upon request

- **Special sockets for screwdrivers** for hexagonal head nuts shown in the table.
- Customised sockets



C dimension: minimum measure to avoid that the centering ring (Ø B) touches the components to be assembled during the tightening phase.

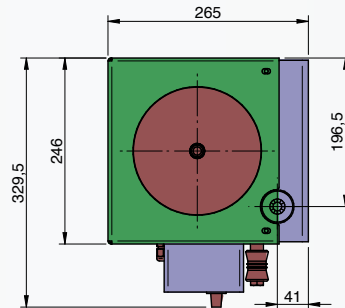
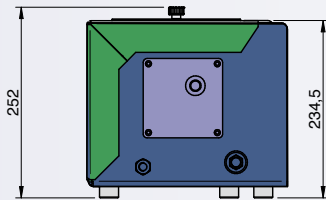
To choose the most suitable socket for the screwdriver, we recommend verifying the dimensions above indicated in respect to the piece to be tightened with the nut.

SPECIAL SOCKETS FOR SCREWDRIVERS

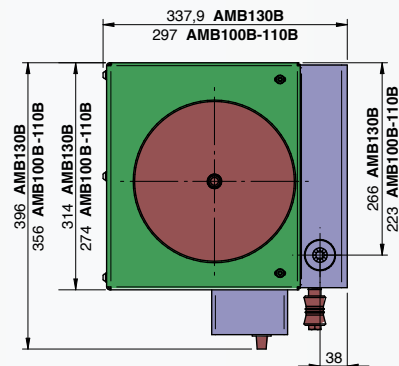
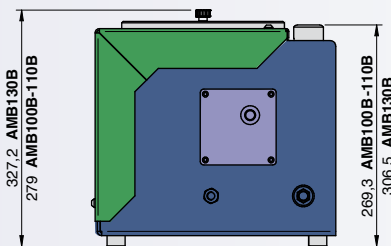
Special socket mm	Code	Socket with hexagonal drive 1/4"			Spare parts
		"C" dimension	Ø A mm	Ø B mm	
5,5	605181055	9,5	8,8	20	528505500
6	605181060	9,5	9,8	20	528506000
7	605181070	9,5	11,5	21,5	528507000
8	605181080	9,5	13	23	528508000
10	605181100	8,5	14,8	25	528510000
11	605181110	8,5	18	29	528511000
13	605181130	8,5	19,8	29	528513000

Dimensions of automatic presenter

- **AM models:** mm 265x246x235 (width x depth x height)



- **AMB100B / AMB110B models:** mm 297x274x269 (width x depth x height)
- **AMB130B models:** mm 338x314x307 (width x depth x height)



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