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Atlas Copco

ICB Range Extension
ICB-Q



ICB family



ICB family

Over the last years, we've dedicated ourselves to crafting the ICB family of tools with a focus on key values such as ergonomics, accessibility, and versatility, aiming to provide our customers with an exceptional experience. Simultaneously, we upheld the inherent principles of the IxB platform (Integrated controller).

The product range has been continuously expanding with new models, crafted according to our customer needs and trends emerging in smart assembly solutions. Until recently we have released these three variants.



ICB-A
90 deg. version



ICB-Z
110 deg. version



ICB-L
lock version

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ICB Range Extension (ICB-Q)

We are happy to introduce a new member of this family - the **ICB Range Extension (ICB-Q)**. This exciting addition offers modular flexibility with the following components:

- 4 Driving Units (ICB-Q21)
- 7 Quick Change Attachments
- (ICB-Q) adaptor for external attachments

Each tool will consist of a combination of one **Driving Unit** and several **Q2 heads** which can be configured according to the customer needs.

Moreover, the program selection can be performed either manually or through a socket selector. In either case, each program is configured with the appropriate parameters for the specific Q2 head. Therefore, the parameters for the specific head get updated once the correct program is chosen, including efficiency and gear ratio.



ICB-Q



ICB-Q characteristics

ICB-Q characteristics

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ICB-Q shares many great characteristics with the rest of the tools within the ICB family while it also offers some powerful additions.

All ICB-Q driving units are equipped with an innovative **Quick Change System**, which empowers the operator to swap and install different Q2 heads for each application.

The **Quick Change System** includes a **Sleeve** which can effortlessly release-lock the Q2 head, providing the possibility to adapt the tool in seconds.



ICB-Q components



ICB-Q components

Each tool is composed of one Driving Unit and, at least, one Quick Change Attachment (Q2).

There are **2 types** of **Driving Units** and **3 types** of **Quick Change Attachments** available.

Q2

(Quick Change Attachment)

- Quick Change Head
- Quick Change Head with
- Quick Change Adapter

[Read more](#)



ICB-Q21

(Driving Units)

- With HMI
- Without HMI

[Read more](#)



ICB-Q21 - Driving units

Each type of **Driving Unit** is available in two sizes. One for lower torque which will reach **7 Nm** and another version that delivers a higher torque, up to **13 Nm**.

The final torque output of the tool will vary based on the specific Q2 head attached in each instance

Driving Unit



Without HMI
ICB-Q21-07
ICB-Q21-13



With HMI
ICB-Q21-07-HMI
ICB-Q21-13-HMI

Power Units with lower torque reaching 7 Nm

Description	Reference	Min. Torque	Speed	Weight*
ICB-Q21-07	8436003007	1,4 Nm	1205 rpm	1 kg
ICB-Q21-07-HMI	8436003008	1,4 Nm	1205 rpm	1 kg

Power Units with higher torque reaching up to 13 Nm

Description	Reference	Min. Torque	Speed	Weight*
ICB-Q21-13	8436003013	3,4 Nm	897 rpm	1 kg

Open full table in browser:

<https://atlascopeco.turtl.co/story/icb-q-leaflet-en/page/4/2>

Q2 – Quick change head

The **Angle heads** can be used directly with a Socket. There are two models compatible with the **7 Nm** Power Unit, and the other five are compatible with the **13 Nm** one. The final torque achieved with each angle head is shown in the tables below.

Heads compatible with **ICB-Q21-07** and **ICB-Q21-07-HMI**

Description	Reference	Max. Torque	Output Drive
Q2-A07-06	8436001000	7 Nm	1/4"

Open full table in browser:
<https://atlascopeco.turtl.co/story/icb-q-leaflet-en/page/4/3>

The naming key for the characteristics of each Quick Change Angle Head



Q2-Z



Q2-A

Heads compatible with **ICB-Q21-13** and **ICB-Q21-13-HMI**

Description	Reference	Max. Torque	Output Drive
Q2-A15-10	8436001004	15 Nm	3/8"
Q2-A12-06	8436001006	12 Nm	1/4"

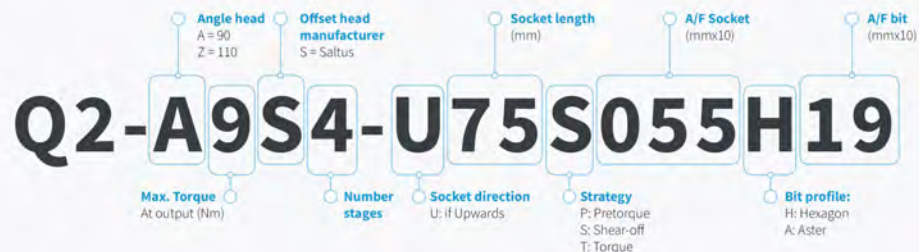
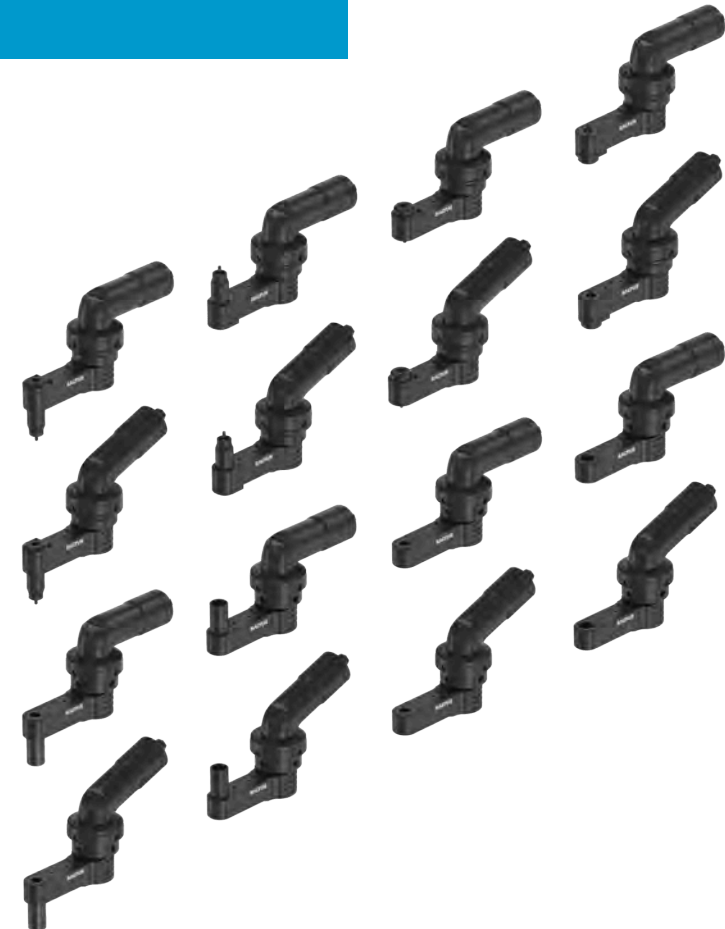
Q2-A20-10	8436001008	20 Nm	3/8"
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Q2- Quick change head with GFA

When Quick Change Angle Heads are combined with **Geared Front Attachments (GFA)**, the possibilities become virtually endless.

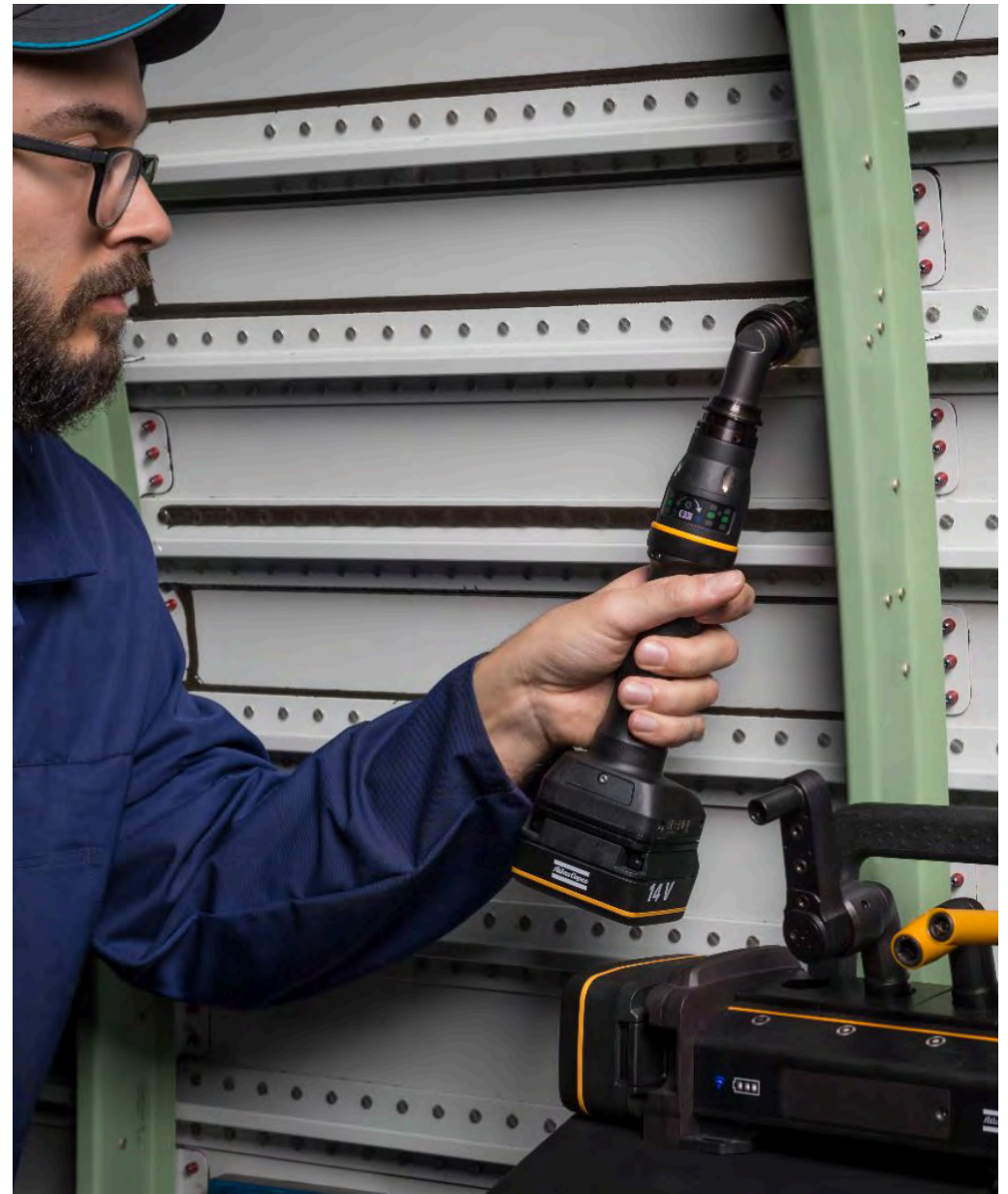
The naming key below specifies the configurable values that need to be defined to produce one of these heads.



ICB-Q adaptor



Additionally, we also offer the possibility to use the adaptor which allows the attachment of crowfoots from other suppliers if needed



Thank you for reading

Reach out to see how
ICB-Q can transform
your processes

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