

IXB – BATTERY TOOLS WITH INTEGRATED CONTROLLER

The first transducerized battery tools without the need of an external controller in Atlas Copco portfolio with a full scope of PF6-like features and benefits.

Consisting of two most advanced transducerized battery tools that bring countless number of possibilities for modern production built on Industry 4.0 principles.

Available in five variants:

- ITB-A - angle models
- ITB-P - pistol models
- ITB-S - straight models
- ICB-A - compact angle models
- ICB-Q - quick change angle gear compact models



MAIN TECHNICAL PARAMETERS

Accuracy:	2 types of a transducer: $\pm 3,5$ % according to ISO 5393; ± 5 % according to ISO 5393
Torque Range:	ITB – Integrated controller Transducerized Battery tool: 1 – 200 Nm ICB – Integrated controller Compact transducer Battery tool: 1,5 – 20 Nm
Speed:	ITB: up to 2972 RPM; ICB: up to 1200 RPM; possible change during operation
Connectivity	USB, Wi-Fi, Open Protocol, Digi I/O (by using I/O hub)
Virtual Station types	Station Control, Critical Control, Process Control
Tightening programs	Up to 1000 Psets; Up to 250 Batch sequences; Multistep
Target parameters	Torque, angle, based on actual joint characteristics – seating strategy, yield strategies
Control parameters	Torque, angle (rotation), speed, seating point, yield point
Results memory	10 000 results 10 000 graphs

FEATURES

- Controller integrated in a tool
- Virtual stations concept
- Features Management concept (scaling functionality)
- Advanced tightening strategies
- Snag gradient – seating strategy
- Multistep strategy
- Full traceability
- Industry 4.0 ready
- Wireless connectivity (Wi-Fi and Bluetooth)
- Improved tool speed
- Wide range of a tool / station accessories
- Can be connected to Power Focus 6000 and Power Focus 8

BENEFITS

- Fast, stable and reliable communication / data collection (improved wireless performance)
- Space savings (no HW controller needed)
- Lower installation costs (easier installation processes)
- Smart flexibility (while building a production line / rebalancing)
- Easier joint accessibility (adjustable tool head)
- Comfortable ergonomics (adjustable tool trigger, reduced tool weight and size)
- Improved productivity (tool speed)
- Fast and easy tool management (modern & user-friendly SW)
- Reduction of defects and repairs (advanced tightening strategies, error-proofing)

Model	Battery V	Torque range Nm	Max speed rpm	Output shaft type In	Weight incl battery kg	Length mm	Width mm	Angle head	Locking ring	Ordering No.
ICB-A21-07-06	14 V & 18 V	1.4 - 7	1200	sq. 1/4	1.49	289.6	74,6	90°	rotatable	8436 0020 07
ICB-A21-07-06-H	14 V & 18 V	1.4 - 7	1200	sq. 1/4	1.49	289.6	74,6	90°	rotatable	8436 0020 08
ICB-A21-07-06-HMI	14 V & 18 V	1.4 - 7	1200	sq. 1/4	1.49	289.6	74,6	90°	rotatable	8436 0021 07
ICB-A21-07-06-HMI-H	14 V & 18 V	1.4 - 7	1200	sq. 1/4	1.49	289.6	74,6	90°	rotatable	8436 0021 08
ICB-A21-07-06-L	14 V & 18 V	1.4 - 7	1205	sq. 1/4	1.49	289.6	74,6	90°	locked	8436 0022 07
ICB-A21-07-06-L-H	14 V & 18 V	1.4 - 7	1205	sq. 1/4	1.49	289.6	74,6	90°	locked	8436 0022 08
ICB-A21-07-06-HMI-L	14 V & 18 V	1.4 - 7	1205	sq. 1/4	1.52	289.6	74,6	90°	locked	8436 0023 07
ICB-A21-07-06-HMI-L-H	14 V & 18 V	1.4 - 7	1205	sq. 1/4	1.52	289.6	74,6	90°	locked	8436 0023 08
ICB-A21-07-I06-L	14 V & 18 V	1.4 - 7	1205	fem hex. 1/4	1.58	289.6	74,6	90°	locked	8436 0028 07
ICB-A21-07-I06-L-H	14 V & 18 V	1.4 - 7	1205	fem hex. 1/4	1.58	289.6	74,6	90°	locked	8436 0019 07
ICB-A21-07-I06-HMI-L	14 V & 18 V	1.4 - 7	1205	fem hex. 1/4	1.61	289.6	74,6	90°	locked	8436 0028 08
ICB-A21-07-I06-HMI-L-H	14 V & 18 V	1.4 - 7	1205	fem hex. 1/4	1.61	289.6	74,6	90°	locked	8436 0019 08
ICB-A21-07-06-Z	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.45	301.8	74.6	110°	rotatable	8436 0020 05
ICB-A21-07-06-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.45	301.8	74.6	110°	rotatable	8436 0020 06
ICB-A21-07-06-HMI-Z	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.46	301.8	74.6	110°	rotatable	8436 0021 05
ICB-A21-07-06-HMI-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.46	301.8	74.6	110°	rotatable	8436 0021 06
ICB-A21-07-I06-Z	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.47	301.8	74.6	110°	rotatable	8436 0014 07
ICB-A21-07-I06-Z-H	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.47	301.8	74.6	110°	rotatable	8436 0014 08
ICB-A21-07-I06-HMI-Z	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.48	301.8	74.6	110°	rotatable	8436 0014 15
ICB-A21-07-I06-HMI-Z-H	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.48	301.8	74.6	110°	rotatable	8436 0014 16
ICB-A21-07-06-L-Z	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.46	301.8	74.6	110°	locked	8436 0024 07
ICB-A21-07-06-L-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.46	301.8	74.6	110°	locked	8436 0024 08
ICB-A21-07-06-HMI-L-Z	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.47	301.8	74.6	110°	locked	8436 0025 07
ICB-A21-07-06-HMI-L-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 1/4	1.47	301.8	74.6	110°	locked	8436 0025 08
ICB-A21-07-I06-L-Z	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.48	301.8	74.6	110°	locked	8436 0029 07
ICB-A21-07-I06-L-Z-H	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.48	301.8	74.6	110°	locked	8436 0018 07
ICB-A21-07-I06-HMI-L-Z	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.49	301.8	74.6	110°	locked	8436 0029 08
ICB-A21-07-I06-HMI-LZ-H	14 V & 18 V	1,8 - 7	1015	fem hex. 1/4	1.49	301.8	74.6	110°	locked	8436 0018 08
ICB-A21-07-10-Z	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.49	301.8	74.6	110°	rotatable	8436 0016 07
ICB-A21-07-10-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.49	301.8	74.6	110°	rotatable	8436 0016 08
ICB-A21-07-10-HMI-Z	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.5	301.8	74.6	110°	rotatable	8436 0017 07
ICB-A21-07-10-HMI-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.5	301.8	74.6	110°	rotatable	8436 0017 08
ICB-A21-07-10-L-Z	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.5	301.8	74.6	110°	locked	8436 0016 05
ICB-A21-07-10-L-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.5	301.8	74.6	110°	locked	8436 0016 06
ICB-A21-07-10-HMI-L-Z	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.51	301.8	74.6	110°	locked	8436 0017 05
ICB-A21-07-10-HMI-L-Z-H	14 V & 18 V	1,8 - 7	1015	sq. 3/8	1.51	301.8	74.6	110°	locked	8436 0017 06
ICB-A21-12-06	14 V & 18 V	4-12	755	sq. 1/4	1.535	300.3	74.6	90°	rotatable	8436 0020 12
ICB-A21-12-06-H	14 V & 18 V	4-12	755	sq. 1/4	1.535	300.3	74.6	90°	rotatable	8436 0020 13
ICB-A21-12-06-HMI	14 V & 18 V	4-12	755	sq. 1/4	1.565	300.3	74.6	90°	rotatable	8436 0021 12
ICB-A21-12-06-HMI-H	14 V & 18 V	4-12	755	sq. 1/4	1.565	300.3	74.6	90°	rotatable	8436 0021 13
ICB-A21-12-06-Z	14 V & 18 V	4-12	755	sq. 1/4	1.47	301.8	74.6	110°	rotatable	8436 0020 14
ICB-A21-12-06-Z-H	14 V & 18 V	4-12	755	sq. 1/4	1.47	301.8	74.6	110°	rotatable	8436 0020 11
ICB-A21-12-06-HMI-Z	14 V & 18 V	4-12	755	sq. 1/4	1.48	301.8	74.6	110°	rotatable	8436 0021 14
ICB-A21-12-06-HMI-Z-H	14 V & 18 V	4-12	755	sq. 1/4	1.48	301.8	74.6	110°	rotatable	8436 0021 11
ICB-A21-12-06-L-Z	14 V & 18 V	4-12	755	sq. 1/4	1.48	301.8	74.6	110°	locked	8436 0016 14

Model	Battery V	Torque range Nm	Max speed rpm	Output shaft type In	Weight incl battery kg	Length mm	Width mm	Angle head	Locking ring	Ordering No.
ICB-A21-12-06-L-Z-H	14 V & 18 V	4 - 12	755	sq. 1/4	1.48	301.8	74.6	110°	locked	8436 0016 11
ICB-A21-12-06-HMI-L-Z	14 V & 18 V	4 - 12	755	sq. 1/4	1.49	301.8	74.6	110°	locked	8436 0017 14
ICB-A21-12-06-HMI-L-Z-H	14 V & 18 V	4 - 12	755	sq. 1/4	1.49	301.8	74.6	110°	locked	8436 0017 11
ICB-A21-15-10	14 V & 18 V	4 - 15	750	sq. 3/8	1.54	300.3	74.6	90°	rotatable	8436 0020 15
ICB-A21-15-10-H	14 V & 18 V	4 - 15	750	sq. 3/8	1.54	300.3	74.6	90°	rotatable	8436 0020 16
ICB-A21-15-10-HMI	14 V & 18 V	4 - 15	750	sq. 3/8	1.54	300.3	74.6	90°	rotatable	8436 0021 15
ICB-A21-15-10-HMI-H	14 V & 18 V	4 - 15	750	sq. 3/8	1.54	300.3	74.6	90°	rotatable	8436 0021 16
ICB-A21-15-10-L	14 V & 18 V	4 - 15	755	sq. 3/8	1.54	300.3	74.6	90°	locked	8436 0022 15
ICB-A21-15-10-L-H	14 V & 18 V	4 - 15	755	sq. 3/8	1.54	300.3	74.6	90°	locked	8436 0022 16
ICB-A21-15-10-HMI-L	14 V & 18 V	4 - 15	755	sq. 3/8	1.57	300.3	74.6	90°	locked	8436 0023 15
ICB-A21-15-10-HMI-L-H	14 V & 18 V	4 - 15	755	sq. 3/8	1.57	300.3	74.6	90°	locked	8436 0023 16
ICB-A21-15-I06-L	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.59	300.3	74.6	90°	locked	8436 0028 15
ICB-A21-15-I06-L-H	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.59	300.3	74.6	90°	locked	8436 0019 15
ICB-A21-15-I06-HMI-L	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.62	300.3	74.6	90°	locked	8436 0028 16
ICB-A21-15-I06-HMI-L-H	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.62	300.3	74.6	90°	locked	8436 0019 16
ICB-A21-15-10-Z	14 V & 18 V	4 - 15	755	sq. 3/8	1.49	301.8	74.6	110°	rotatable	8436 0016 15
ICB-A21-15-10-Z-H	14 V & 18 V	4 - 15	755	sq. 3/8	1.49	301.8	74.6	110°	rotatable	8436 0016 16
ICB-A21-15-10-HMI-Z	14 V & 18 V	4 - 15	755	sq. 3/8	1.5	301.8	74.6	110°	rotatable	8436 0017 15
ICB-A21-15-10-HMI-Z-H	14 V & 18 V	4 - 15	755	sq. 3/8	1.5	301.8	74.6	110°	rotatable	8436 0017 16
ICB-A21-15-I06-Z	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.49	301.8	74.6	110°	rotatable	8436 0015 07
ICB-A21-15-I06-Z-H	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.49	301.8	74.6	110°	rotatable	8436 0015 08
ICB-A21-15-I06-HMI-Z	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.5	301.8	74.6	110°	rotatable	8436 0015 15
ICB-A21-15-I06-HMI-Z-H	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.5	301.8	74.6	110°	rotatable	8436 0015 16
ICB-A21-15-10-L-Z	14 V & 18 V	4 - 15	755	sq. 3/8	1.5	301.8	74.6	110°	locked	8436 0024 15
ICB-A21-15-10-L-Z-H	14 V & 18 V	4 - 15	755	sq. 3/8	1.5	301.8	74.6	110°	locked	8436 0024 16
ICB-A21-15-10-HMI-L-Z	14 V & 18 V	4 - 15	755	sq. 3/8	1.51	301.8	74.6	110°	locked	8436 0025 15
ICB-A21-15-10-HMI-L-Z-H	14 V & 18 V	4 - 15	755	sq. 3/8	1.51	301.8	74.6	110°	locked	8436 0025 16
ICB-A21-15-I06-L-Z	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.5	301.8	74.6	110°	locked	8436 0029 15
ICB-A21-15-I06-L-Z-H	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.5	301.8	74.6	110°	locked	8436 0018 15
ICB-A21-15-I06-HMI-L-Z	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.51	301.8	74.6	110°	locked	8436 0029 16
ICB-A21-15-I06-HMI-LZ-H	14 V & 18 V	4 - 15	755	fem hex. 3/8	1.51	301.8	74.6	110°	locked	8436 0018 16
ICB-A21-20-10	14 V & 18 V	5 - 20	580	sq. 3/8	1.58	306.8	74.6	90°	locked	8436 0020 20
ICB-A21-20-10-HMI	14 V & 18 V	5 - 20	580	sq. 3/8	1.62	306.8	74.6	90°	locked	8436 0021 20
ICB-A21-20-10-L	14 V & 18 V	5 - 20	580	sq. 3/8	1.67	306.8	74.6	90°	locked	8436 0022 20
ICB-A21-20-10-HMI-L	14 V & 18 V	5 - 20	580	sq. 3/8	1.71	306.8	74.6	90°	locked	8436 0023 20
ICB-Q21-07	14 V & 18 V	1.4 - 7	1205		1.36	254.0	74.6			8436 0030 07
ICB-Q21-07-HMI	14 V & 18 V	1.4 - 7	1205		1.38	254.0	74.6			8436 0030 08
ICB-Q21-13	14 V & 18 V	3.4 - 13	897		1.36	254.0	74.6			8436 0030 13
ICB-Q21-13-HMI	14 V & 18 V	3.4 - 13	897		1.38	254.0	74.6			8436 0030 14

ICB-Q ANGLE HEADS

Type	Material name	Compability	Output shaft drive	Ordering No.
Angle gear 7 Nm	Angle gear 7Nm Q-C	ICB-Q21-07 and ICB-Q21-07-HMI	sq. 1/4	4211 5819 80
Angle gear 12 Nm	Angle gear 12Nm Q-C	ICB-Q21-13 and ICB-Q21-13-HMI	sq. 1/4	4211 5874 80
Angle gear 15 Nm	Angle gear 15Nm Q-C	ICB-Q21-13 and ICB-Q21-13-HMI	sq. 3/8	4211 5812 80
Angle gear 20 Nm	Angle Gear 20Nm Q-C	ICB-Q21-13 and ICB-Q21-13-HMI	sq. 3/8	4211 5807 80
110 deg angle gear 7 Nm	Angle gear 12Nm 110deg Q-C	ICB-Q21-07 and ICB-Q21-07-HMI	sq. 1/4	4211 5875 80
110 deg angle gear 12 Nm	Angle gear 12Nm 110deg Q-C	ICB-Q21-13 and ICB-Q21-13-HMI	sq. 1/4	4211 5875 80
110 deg angle gear 15 Nm	Angle gear 15Nm 110deg Q-C	ICB-Q21-13 and ICB-Q21-13-HMI	sq. 3/8	4211 5825 80