AcraDyne®

A Division of AIMCO



HIGH CAPABILITY TOOLING

2026

www.ACRADYNE.com



AcraDyne offers a full line of high torque, traceable, and critical bolting systems for the Energy Services sector: Wind Power, Solar, Nuclear, Mining, and more. AcraDyne's portfolio ranges from 1 – 17,000 Nm. Its cutting-edge high-torque bolting systems are specifically designed for critical high torque bolting applications that demand superior performance and durability. AcraDyne tools can handle the toughest and most important bolting jobs. The faster speed, coupled with its extreme accuracy, makes AcraDyne's bolting system an outstanding cost-effective investment. It is with great pride that the products that we manufacture are **MADE IN THE USA.**

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AcraDyne®

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* ϵ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

ERGO-DRIVE sockets are uniquely designed for repeatable, accurate rundowns. They also ensure excellent product quality, longer tool life, and better ergonomics for the tool user. Look for the ERGO-DRIVE ϵ logo in this catalog to see where ERGO-DRIVE sockets/extensions benefit tool operation, operator, and rundown.

AcraDyne® A Division of AIMCO

AcraDyne's Gen IV ACE Controller platform is a single platform that commands all transducerized tools in the AIMCO portfolio

AIR | CORDLESS | ELECTRIC



The same, simple programming for all tool types, including:

AcraDyne
- DC Tools
- Cordless Battery Tools

Uryu
- Air Powered Tools
- Electric Tools
- Pulse Tools

No additional controller training needed for different platforms (tool type specific knowledge is required).

One common communication for global data collection, line controls, and Field Bus platforms.



AcraDyne Gen IV ACE Controller Platform

The AcraDyne Gen IV ACE controller platform is the culmination of more than 50 years of serving our industrial fastening customers with 20 years of manufacturing DC tools that are MADE IN THE USA. It is filled with countless advanced capabilities and features. The Gen IV ACE Controller is the core of the modular AcraDyne DC system. One controller will command any tool in the AcraDyne line from 1 Nm to 17,000 Nm, all with one cable.

Four Digit LED Torque Display

Large numbers can be seen from a distance.

Secondary Display

Allows user to easily set and toggle through information:

- Angle
- Engineering Units
- Bolt Count
- Job/Job Sequence



Parameter Set Display

Displays current parameter set and enables user to quickly change by scrolling up or down.

7" Touch-Screen Display

- Runs the same software on PC for ease of use
- Real-Time Graphing
- Selectable Run Screens

FEATURES AND BENEFITS

- Web browser based programming. Receive data on your PC, tablet, smartphone, or any other web-capable device. You can use more than one device at a time: Be in program mode on one device while reviewing real-time curves on another, while watching tool diagnostics on a third
- Multiple fastening strategies – Program up to 256 parameters with as many as 20 steps
- Jobs capability – 99. Event log – 5,000
- Backup & restore through USB or Ethernet
- Assignable I/O (8 X 8)
- Rundown storage – 1,000,000
- Real-time curve viewing. Curve storage – 20,000

NETWORKING CAPABILITIES

- Ethernet Protocols supported: Open Protocol, ToolsNet, Ethernet/IP, Modbus TCP, PFCS, XML, FTP Client
- Anybus® Field Bus connectivity: Profibus, Profinet, DeviceNet, CC-Link, CC-Link IE Field
- Data collection
- Serial protocols and string output
- Bar code scanning & printing
- Multi-spindle synchronization

AcraDyne Gen IV ACE Controller Platform

System Port

- Uses standard USB Type-B cable
- Easily connect to any computer to run software, program your controller, and download data and curves

Tool Connector

- Tool connector varies by tool type

Dual Ethernet Ports

- Enables two networks simultaneously for separate line control and data collection
- Supports any industry standard protocol
- Remote system monitoring, programming, and data download

USB Ports (4)

- Backup and Restore
- Update Software
- Download Data and Curves
- Expandable USB Peripherals



Illuminated On/Off Switch

Serial Port

- Data String Output
- Serial Protocols
- Bar Code Scanners
- Printers

Power Connector
(110V / 220V)

24V I/O (Assignable)

- 8 In/8 Out

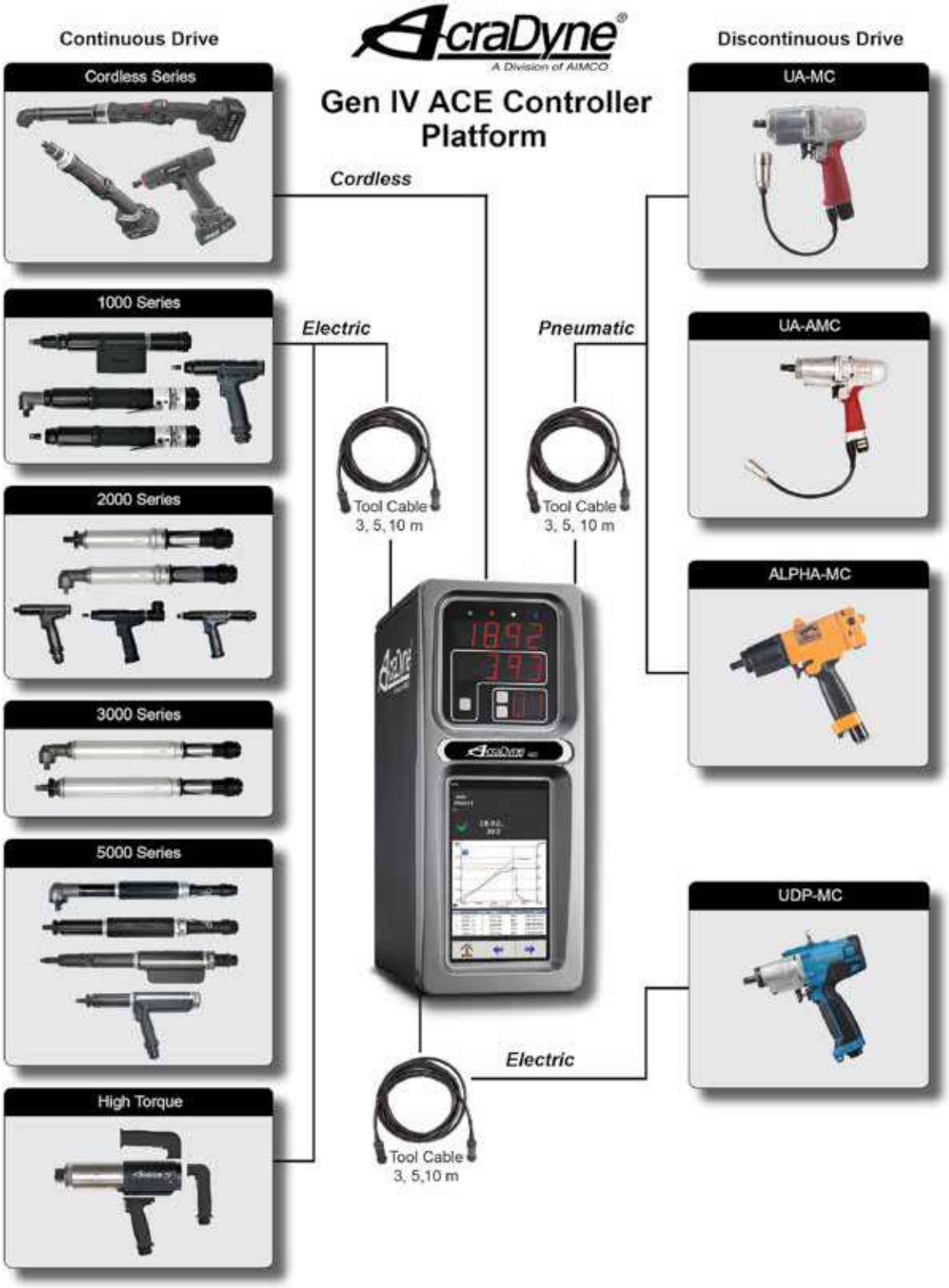
Anybus® Field Bus Options:

- Profibus, Profinet, DeviceNET, CC-Link, CC-Link IE Field

Mounting Bracket
with Wire and Cable Routing Channels

The Gen IV ACE Controller Platform provides ultimate FLEXIBILITY and FREEDOM to command tools for every application

One common communication for your global data collection, line controls, and Field Bus platforms.



AcraDyne Gen IV ACE Controller Platform



GEN IV ACE iEC Controller for all AcraDyne DC Tools



U.S. Patents
D968491
11,229,993

Model*	System Port & Removable Memory	Lights (L) LED Display (D) Graph (G)	24V I/O Assignable 8 X 8"	Serial Port with Protocols	Backup & Restore (USB)	Ethernet** Two Ports
Bottom Exit Cable						
iEC4EGV(P)(N)(D)(C)(M)	X	L/D/G	X	X	X	X
Top Exit Cable						
iEC4EGV(-T)(P-T)(N-T)(D-T)(C-T)(M-T)	X	L/D/G	X	X	X	X

* Field bus options: P = Profibus N = Profinet D = DeviceNet C = CC Link M = CC-Link IE Field Other Field bus options available upon request.
** Ethernet channel supports Open Protocol, ToolsNet, EtherNet/IP, Modbus TCP, PFCS, XML, and FTP Client.



GEN IV ACE iAC Controller for Transducerized Uryu Air Tools



Model*	System Port & Removable Memory	Lights (L) LED Display (D) Graph (G)	24V I/O Assignable 8 X 8"	Serial Port With Protocols	Backup & Restore (USB)	Solenoid Shut Off On Board	Programmable Regulator On Board	Ethernet** Two Ports
Bottom Exit Cable								
iAC4EGV(P)(N)(D)(C)(M)	X	L/D/G	X	X	X			X
iAC4ESRGV(P)(N)(D)(C)	X	L/D/G	X	X	X	X	X	X
Top Exit Cable								
iAC4EV(P-T)	X	L/D	X	X	X			X
iAC4EGV(-T)(P-T)(N-T)(D-T)(C-T)	X	L/D/G	X	X	X			X
iAC4ESRGV(-T)(P-T)(N-T)(D-T)(C-T)	X	L/D/G	X	X	X	X	X	X

* Field bus options: P = Profibus N = Profinet D = DeviceNet C = CC Link M = CC-Link IE Field Other Field bus options available upon request.
** Ethernet channel supports Open Protocol, ToolsNet, EtherNet/IP, Modbus TCP, PFCS, XML, and FTP Client.

AcraDyne iPC



GEN IV ACE iPC Controller for Uryu UDP Transducerized DC Pulse Tools



Model*	System Port & Removable Memory	Lights (L) LED Display (D) Graph (G)	24V I/O Assignable 8 X 8"	Serial Port with Protocols	Backup & Restore (USB)	Ethernet** Two Ports
Bottom Exit Cable						
110V Operation iPC4EGV(P1)(N1)(D1)(C1)(M1)	X	L/D/G	X	X	X	X
220V Operation iPC4EGV(P2)(N2)(D2)(C2)	X	L/D/G	X	X	X	X
Top Exit Cable						
110V Operation iPC4EGV(1-T)(P1-T)(N1-T)(D1-T)(C1-T)(M1-T)	X	L/D/G	X	X	X	X
220V Operation iPC4EGV(2-T)(P2-T)(N2-T)(D2-T)(C2-T)	X	L/D/G	X	X	X	X

* Field bus options: P = Profibus N = Profinet D = DeviceNet C = CC Link M = CC-Link IE Field Other Field bus options available upon request.
** Ethernet channel supports Open Protocol, ToolsNet, EtherNet/IP, Modbus TCP, PFCS, XML, and FTP Client.

AcraDyne iBC



GEN IV ACE iBC Controller for all AcraDyne Transducerized Battery Tools



Model*	System Port & Removable Memory	Lights (L) LED Display (D) Graph (G)	24V I/O Assignable 8 X 8"	Serial Port with Protocols	Backup & Restore (USB)	Ethernet** Two Ports
Connects through External WiFi Access Point (User Supplied)						
iBC4E(N)	X	L/D		X	X	X
iBC4EGV(P)(N)(D)(C)	X	L/D	X	X	X	X

* Field bus options: P = Profibus N = Profinet D = DeviceNet C = CC Link M = CC-Link IE Field Other Field bus options available upon request.
** Ethernet channel supports Open Protocol, ToolsNet, EtherNet/IP, Modbus TCP, PFCS, XML, and FTP Client.

AcraDyne iBC-Z



GEN IV ACE iBC-Z Controller for Uryu UBX-AF Transducerized Battery Oil Pulse Tools



Model*	System Port & Removable Memory	Lights (L) LED Display (D) Graph (G)	24v I/O Assignable 8 X 8"	Serial Port With Protocols	Backup & Restore (USB)	Ethernet** Two Ports
Connectivity through embedded Zigbee access point						
iBC4EGV(P-Z)(N-Z)(D-Z)(C-Z)(M-Z)	X	L/D/G	X	X	X	X

* Field bus options: P = Profibus N = Profinet D = DeviceNet C = CC Link M = CC-Link IE Field Other Field bus options available upon request.
** Ethernet channel supports Open Protocol, ToolsNet, EtherNet/IP, Modbus TCP, PFCS, XML, and FTP Client.

NETWORK CONNECTIVITY



POKA-YOKE ERROR PROOFING

AcraDyne's Gen IV ACE Platform supports any third-party accessory to poka-yoke your process.

FEATURES AND BENEFITS

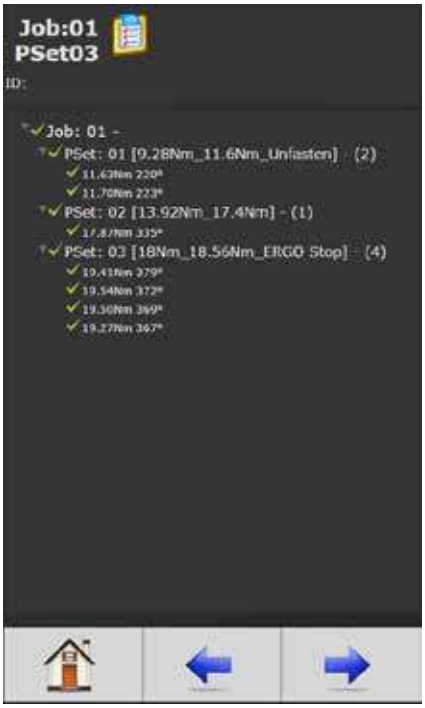
- 24V I/O inputs support the outputs of the receiver units
- Connect click wrenches, crimpers, or any poka-yoked device to your network data collection and line controls with all of the Ethernet protocols and Field Buses offered in the ACE Platform



SOFTWARE

AcraDyne's software package is on-board every AcraDyne controller and is provided FREE of charge. This comprehensive, user-friendly program allows programming, analysis, and diagnostics.

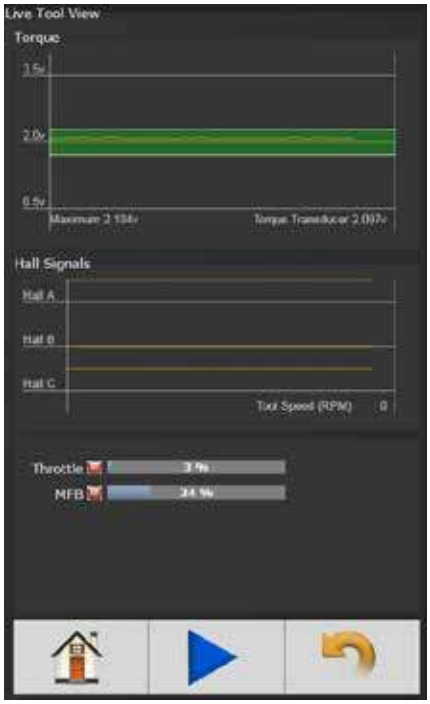
The software is based on a standard web browser, allowing you to connect the AcraDyne controller with any computer, tablet, or smart device. Connect through Ethernet, USB, or wirelessly via a network connected to both devices.



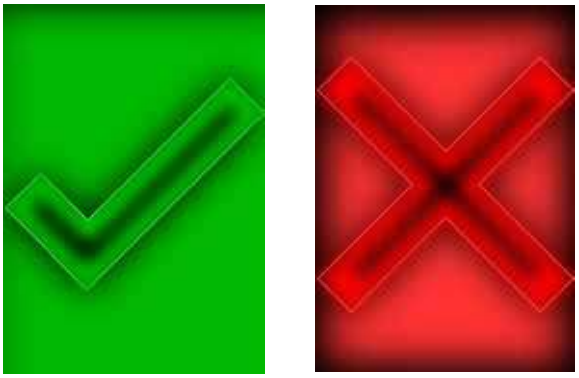
Adding and editing Parameter Sets (256) and Jobs (99) is easy and intuitive in the parameter set up function.



View curve results in real time or view stored results. As many as 20,000 curve results can be stored in memory.



Tool programming and diagnostics for repair, calibration and advanced troubleshooting.



Choose from several run screens that display easy to view, large screen indicators.

Gen IV Controller with On-Board Smart Arm Capability and Process Visualization

AcraDyne Gen IV Controller's smart arm capability provides an advanced error-proofing solution to ensure the quality of your fastening operation. The process requires no external PC or software — the capability is on-board every Gen IV controller.



FEATURES AND BENEFITS

- Easy-to-follow visual guidance on the Gen IV controller graphical screen
- Easy setup — programming takes only minutes
- Once fastener locations are programmed into the Gen IV controller, the system can perform specific actions on specific fasteners
- No external PC or third-party software needed. Control the process using AcraDyne's Gen IV Controller and its integrated software, which is provided free of charge
- Low-cost solution vs. competitive offerings that require third-party PC-based control
- Modular – can be added at any time to an existing AcraDyne system using the Gen IV controller
- No guesswork! Powerful Gen IV data collection enables diagnostics and analysis
- Works with both continuous and discontinuous drive tools

The Gen IV controller provides easy-to-follow visual guidance directly on the graphical screen.



Tool in position over Bolt 1

Bolt 1 OK
Direction to Bolt 2

Tool in wrong location

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Gen IV Smart Arm System with Process Visualization

Smart Arm Accessory:

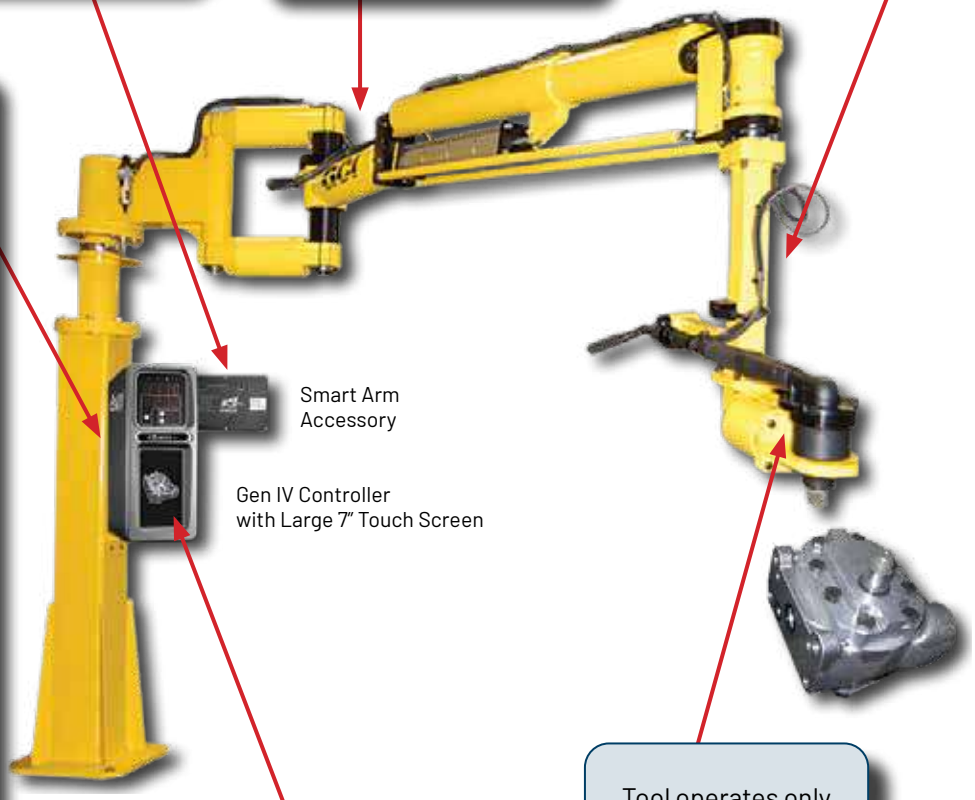
- Requires no external PC or third-party software for operation
- Gen IV Controller Software integrates with plant manufacturing execution software or allows custom programming

Encoders located at each joint of the arm.

Smart Arm guides operator in the specified torque pattern and counts fasteners required for correct assembly.

Gen IV Controller captures fastening-process data:

- Data captured and reported in real time with torque and graphing capabilities
- Curve results presented in real time or from stored results
- 20,000 curve results can be stored in memory
- Monitor, control, and report torque, angle, engineering units, fastener count, job/job sequence
- Multiple fastening strategies: 256 parameter sets with 20 stages
- Jobs capabilities – 99



Custom image of run screen with preprogrammed fastener locations/specifications. Updates in real time.

Tool operates only when it is at the correct specified fastener location.

1000 SERIES

1 – 22 Nm

- Superior size, speed, and duty cycle compared to competitors' tools
- Durable Nylon motor and handle housing
- Onboard lights and audible signal for operator feedback



1000 Series Pistol Tools

- Bottom, top, rear exit and push-to-start models available
- Standard Square Drive or extended Ergo Drive output available on all models
- 1/4" Quick Change output available on 3 – 14 Nm models
- Programmable Multi-Function Button: One single button facilitates several distinctly different tasks



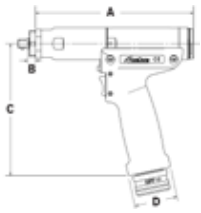
Bottom Exit (4A) Model

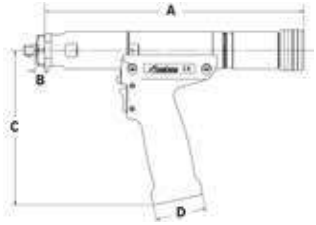


Rear Exit (4R) Model with Quick Change Output



Top Exit (4T) Model







1000 Series Pistol Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Drive SQ DR	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM
Pistol 4A Models = Bottom Exit 4R Models = Rear Exit 4T Models = Top Exit (V) = Extended Ergo-Drive Output (Q) = 1/4" Quick Change Output																
AEP4(A)(R)(T)12003B(V)(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.2	1.00	3/8"	A = 6.5 R = 9.3 T = 8.3	165.1 236 210.9	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12006B(V)(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.2	1.00	3/8"	A = 6.5 R = 9.3 T = 8.3	165.1 236 210.9	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12011B(V)(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.3	1.04	3/8".	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12014B(V)(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12018BV	18	13	4.5 - 18	3.3 - 13	840	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12022BV	22	16	5.5 - 22	4.1 - 16	656	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
Pistol Push-to-Start																
AEP4T12003BL	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.2	1.00	3/8"	8.88	225.5	0.25	6.3	6.01	152.6	1.96	49.7
AEP4T12006BL	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.2	1.00	3/8"	8.88	225.5	0.25	6.3	6.01	152.6	1.96	49.7
AEP4T12011BL	11	8.1	2.8 - 11	2 - 8.1	1,313	2.3	1.04	3/8".	8.97	228	0.25	6.3	6.01	152.6	1.96	49.7
AEP4T12014BL	14	10	3.5 - 14	2.6 - 10	1,037	2.3	1.04	3/8"	8.97	228	0.25	6.3	6.01	152.6	1.96	49.7

* Є logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

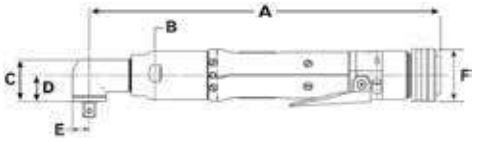
1000 Series Angle Tools

- Compact, durable head houses a precision right-angle gearset that fits into the tightest spaces
- Integrated transducer for accurate delivery or monitoring of Torque and Angle
- Lightweight materials and uniform body diameter provide a comfortable grip
- Ergonomically placed start lever for ease of operation
- Available in regular or flush socket options



Flush Socket Option





1000 Series Angle Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Drive SQ DR	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM	F IN	F MM
Angle	Add "F" to Part Numbers for Flush Socket																			
AEN4C12004B	4	3	1 - 4	0.7 - 3	3,111	2.0	0.91	3/8"	11.04	280.4	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12009B	9	6.6	2.3 - 9	1.7 - 6.6	1,750	2.2	1.00	3/8"	11.01	279.6	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12014B	14	10	3.5 -14	2.6 - 10	875	2.2	1.00	3/8"	11.65	295.9	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12018B	18	13	4.5 - 18	3.3 - 13	691	2.2	1.00	3/8"	11.65	295.9	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12022B	22	16	5.5 - 22	4.1 - 16.	560	2.2	1.00	3/8"	11.65	295.9	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6

1000 Series Inline Tools

- Square drive or Ergo drive available on all inline models
- Quick change output available on 3 – 14 Nm inline and push-to-start models
- User modifiable reaction bar included with in-line tools for use in handheld applications



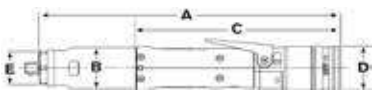
Inline Tool



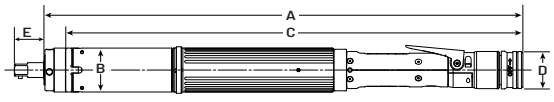
Push-to-Start Inline Tool

1000 Series Inline Tools

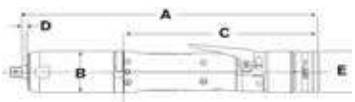
Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Drive SQ DR	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM
Inline	V = Extended Ergo-Drive Output		Q = 1/4" Quick Change Output															
AES4A12003B(V)(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.0	0.91	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12006B(V)(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.0	0.91	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12011B(V)(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.2	1.00	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12014B(V)(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.2	1.00	3/8"	11	279.4	1.56	39.6	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12018BV	18	13	4.5 - 18	3.3 - 13	840	2.2	1.00	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12022BV	22	16	5.5 - 22	4.1 - 16	656	2.2	1.00	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
Inline Push-to-Start	(Q) = 1/4" Quick Change Output																	
AEL4A12003B(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.0	0.91	3/8"	10.69	271.6	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12006B(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.0	0.91	3/8"	10.69	271.6	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12011B(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12014B(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12018B	18	13	4.5 - 18	3.3 - 13	840	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12022B	22	16	5.5 - 22	4.1 - 16	656	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6



Inline Tool, 3 - 22 Nm



Inline Tool, 100 Nm



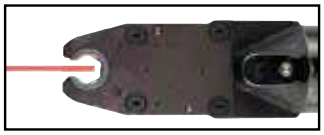
Push-to-Start Tool

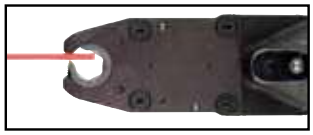
* Ɛ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

1000 Series Tubenut Tools

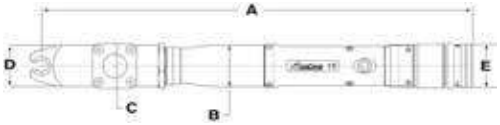
- Durable tubenut head design
- Simple, one-touch back to open operation for maximum productivity
- Innovative Sensor Technology: Transducer senses resistance in the initial 90 degrees of rotation and returns to open upon resistance encountered







INNOVATIVE SAFETY SENSOR TECHNOLOGY: Tool returns to open upon resistance encountered in initial 90° of rotation.



1000 Series Tubenut Tools

1000 Series	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Drive IN	Output Drive MM	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM
Tubenut	Wide variety of socket sizes available																		
AET4AA12018B	14	13	3.6 - 14	2.7 - 11	516	3.1	1.41	1/4 - 7/16	7 - 12	15.4	391.5	1.47	37.3	1.57	40	1.46	37	1.56	39.6
AET4AB12025B	20	18	5 - 20	3.7 - 15	387	3.1	1.41	3/8 - 5/8	10 - 17	15.9	404.9	1.47	37.3	1.57	40	1.56	39.5	1.56	39.6
AET4A12025B-KD	25	18	5 - 25	3.7 - 18	387	3.1	1.41	3/8 - 5/8	10 - 17	15.9	403.2	1.47	37.3	1.64	41.6	1.64	41.6	1.56	39.6
AET4A12030B-KD	30	22	6 - 30	4.4 - 22	285	3.1	1.41	3/8 - 5/8	10 - 17	15.9	403.2	1.47	37.3	1.64	41.6	1.64	41.6	1.56	39.6

1000 Series Fixtured Tools

- Rear & bottom exit available
- Standard Square Drive, Extended Ergo Drive, or 1/4" Quick Change outputs available in most models
- Integrated Sliding Spindles offered in varying lengths of travel to suit specific application needs



Rear Exit Model



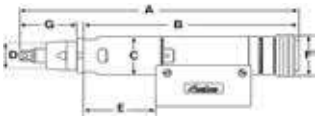
Bottom Exit Model

1-3/4" Sliding Spindle Model

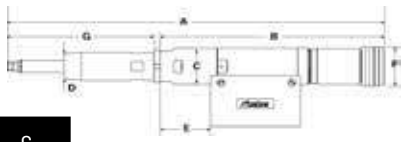


1000 Series Fixtured Tools

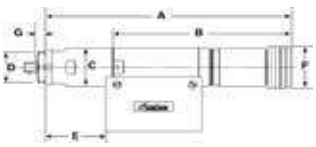
Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Drive SQ DR
Fixtured	4A models = 1/2" sliding spindle (B) = Bottom Exit Cable (Q) = 1/4" Quick Change Output		4C Models = 1-3/4" Sliding Spindle					4X Models = Fixed 3/8" Sq. Dr.
AEF4(A)(C)(X)12003B(B)(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.0	0.91	3/8"
AEF4(A)(C)(X)12006B(B)(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.0	0.91	3/8"
AEF4(A)(C)(X)12011B(B)(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.2	1.00	3/8"
AEF4(A)(C)(X)12014B(B)(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.2	1.00	3/8"
AEF4(A)(C)(X)12018B(B)	18	13	4.5 - 18	3.3 - 13	840	2.2	1.00	3/8"
AEF4(A)(C)(X)12022B(B)	22	16	5.5 - 22	4.1 - 16	656	2.2	1.00	3/8"



AEF4A 1/2" Sliding Spindle Model



AEF4C 1-3/4" Sliding Spindle Model



AEF4X Fixed 3/8" Sq. Dr. Model

1000 Series Fixtured Tool Dimensions

Fixtured	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM	F IN	F MM	G IN	G MM
AEF4A12003B / AEF4A12006B	11.57	294	9.14	231.1	1.47	37.3	1.12	28.6	2.05	52.2	1.59	40.4	2.18	55.5
AEF4A12011B / AEF4A12014B / AEF4A12018B / AEF4A12022B	12.20	309.8	9.14	231.1	1.47	37.3	1.12	28.6	2.72	69.2	1.59	40.4	2.18	55.5
AEF4C12003B / AEF4C12006B	15.36	390.3	9.14	231.1	1.47	37.3	1.12	28.6	2.05	52.2	1.59	40.4	5.98	151.8
AEF4C12011B / AEF4C12014B / AEF4C12018B / AEF4C12022B	15.99	406.1	9.14	231.1	1.47	37.3	1.12	28.6	2.72	69.2	1.59	40.4	5.98	151.8
AEF4X12003B / AEF4X12006B	9.35	237.5	6.82	173.2	1.47	37.3	1.31	33.4	2.06	52.2	1.59	40.4	0.38	9.7
AEF4X12011B / AEF4X12014B / AEF4X12018B / AEF4X12022B	10.02	254.4	6.82	173.2	1.47	37.3	1.31	33.4	2.72	69.1	1.59	40.4	0.38	9.7

* Ⓔ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

2000 SERIES

3 – 55 Nm

- Superior size, speed, and duty cycle compared to competitors' tools
- Durable Nylon motor and handle housing
- Aluminum motor and gear housing
- Onboard lights and audible signal for operator feedback



2000 Series Pistol Tools

- Bottom, top, rear exit and push-to-start model available
- Standard Square Drive or extended Ergo Drive output available on all models
- Programmable Multi-Function Button: One single button facilitates several distinctly different tasks



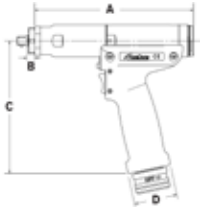
Bottom Exit (4A) Model

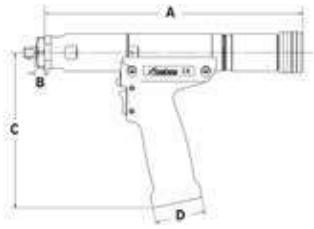


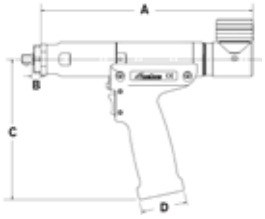
Rear Exit (4R) Model with Quick Change Output



Top Exit (4T) Model







2000 Series Pistol Tools

Model	Max Torque Nm	Max Torque Ft-Lb	Torque Range Nm	Torque Range Ft-Lb	Free Speed Rpm	Weight (-) Socket Lb	Weight (-) Socket Kg	Output Sq Dr	(A) In	(A) Mm	(B) In	(B) Mm	(C) In	(C) Mm	(D) In	(D) Mm
Pistol Tools	4A Models = Bottom Exit 4R Models = Rear Exit 4T Models = Top Exit (V) = Extended Ergo-Drive Output															
AEP4(A)(R)(T)22020B(V)	20	14	5 - 20	3.7 - 14	1,837	2.4	1.09	3/8"	A = 7.82 R = 10.65 T = 9.71	198.7 270.6 246.5	0.38	9.7	A = 6.94 R = 6.01 T = 6.01	176.2 152.6 152.6	1.96	49.7
AEP4(A)(R)(T)22025B(V)	25	18	6.3 - 25	4.6 - 18	1,452	2.4	1.09	3/8"	A = 7.82 R = 10.65 T = 9.71	198.7 270.6 246.5	0.38	9.7	A = 6.94 R = 6.01 T = 6.01	176.2 152.6 152.6	1.96	49.7
AEP4(A)(R)(T)22030B(V)	30	22	7.5 - 30	5.5 - 22	1,176	2.4	1.09	3/8"	A = 7.82 R = 10.65 T = 9.71	198.7 270.6 246.5	0.38	9.7	A = 6.94 R = 6.01 T = 6.01	176.2 152.6 152.6	1.96	49.7
AEP4(A)(R)(T)22035B(V)	35	25	8.8- 35	6.5 - 25	1,045	2.4	1.09	3/8"	A = 7.82 R = 10.65 T = 9.71	198.7 270.6 246.5	0.38	9.7	A = 6.94 R = 6.01 T = 6.01	176.2 152.6 152.6	1.96	49.7
AEP4(A)(R)(T)22040B(V)	40	29	10 - 40	7.4 - 29	919	2.4	1.09	3/8"	A = 7.82 R = 10.65 T = 9.71	198.7 270.6 246.5	0.38	9.7	A = 6.94 R = 6.01 T = 6.01	176.2 152.6 152.6	1.96	49.7

* ϵ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

2000 Series Angle and Inline Tools

Gen IV Series Angle and Inline Nutrunners

Smart, Rugged, and Cost-Effective: The New Leader in Accurate Fastening



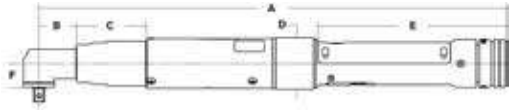
FEATURES AND BENEFITS

- New robust design is lighter, slimmer, and more ergonomic than previous Gen III nutrunners
- One of the lowest total cost of ownership in the industry
- Ergonomic updated trigger design integrates trigger to tool body, requiring a shorter activation stroke
- Indexable head optimizes trigger position
- Smooth-grip handle
- Short length means easier tool positioning
- Backward compatible with all Gen III and Gen IV AcraDyne controllers

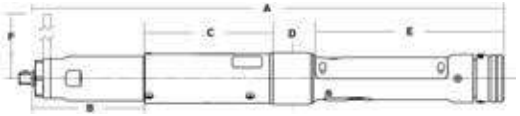
2000 Series Angle & Inline Tools

	Torque Range		Free Speed	Weight (-) Socket		Output	(A)		(B)		(C)		(D)		(E)		(F)	
Model	NM	FT-LB	RPM	LB	KG	SQ DR	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Angle Tools	(V) = Extended Ergo-Drive Output					(DL) = Dual Lever												
AEN4C22014C	3.5 - 14	2.6 - 10.3	2,450	2.7	1.2	3/8	397	15.6	32	1.3	59.4	2.3	43.3	1.7	160	6.3	20.9	0.8
AEN4C22024C	6 - 24	4.4 - 17.7	1,225	2.7	1.2	3/8	397	15.6	32	1.3	59.4	2.3	43.3	1.7	160	6.3	20.9	0.8
AEN4F22029C	7.3 - 29	5.4 - 21.4	1,102	3.2	1.5	3/8	419	16.5	33.4	1.3	79.8	3.1	43.3	1.7	160	6.3	29.4	1.16
AEN4F22036C	9 - 36	6.6 - 26.6	871	3.2	1.5	3/8	419	16.5	33.4	1.3	79.8	3.1	43.3	1.7	160	6.3	29.4	1.16
AEN4F22043C(VDL)	10.8 - 43	8 - 31.7	705	3.2	1.5	3/8	419	16.5	33.4	1.3	79.8	3.1	43.3	1.7	160	6.3	29.4	1.16
AEN4F22055C(V)	13.8 - 55	10.2 - 40.6	551	3.2	1.5	3/8	419	16.5	33.4	1.3	79.8	3.1	43.3	1.7	160	6.3	29.4	1.16
Inline Tools (Includes Reaction Bar and Fixture Nut)																		
AES4A22020CV	5 - 20	3.7 - 14.8	1,837	2.8	1.3	3/8	401	15.8	95.9	3.8	109.5	4.3	43.3	1.7	160	6.3	381	15
AES4A22025CV	6.3 - 25	4.6 - 18.4	1,452	2.8	1.3	3/8	401	15.8	95.9	3.8	109.5	4.3	43.3	1.7	160	6.3	381	15
AES4A22030CV	7.5 - 30	5.5 - 22.1	1,176	2.8	1.3	3/8	401	15.8	95.9	3.8	109.5	4.3	43.3	1.7	160	6.3	381	15
AES4A22035CV	8.8 - 35	6.5 - 25.8	1,045	2.8	1.3	3/8	401	15.8	95.9	3.8	109.5	4.3	43.3	1.7	160	6.3	381	15
AES4A22040CV	10 - 40	7.4 - 29.5	919	2.8	1.3	3/8	401	15.8	95.9	3.8	109.5	4.3	43.3	1.7	160	6.3	381	15

Angle Tool Dimensions



Inline Tool Dimensions

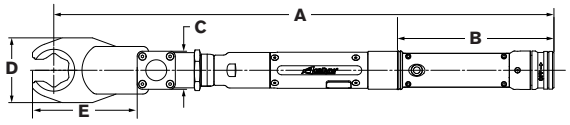


2000 Series Tubenut Tools

- Durable tubenut head design
- Simple, one-touch back to open operation for maximum productivity
- Innovative Sensor Technology: Transducer senses resistance in the initial 90 degrees of rotation and returns to open upon resistance encountered







2000 Series Tubenut Tools

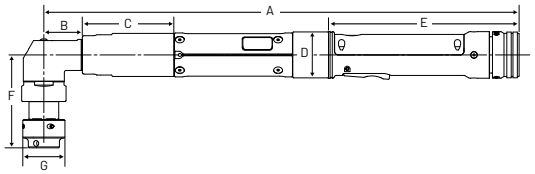
1000 Series	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Drive IN	Output Drive MM	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM
Tubenut	Wide variety of socket sizes available		(DL) = Dual Lever														
AET4AA22016C(DL)	4 - 16	3 - 11.8	1,828	4.1	1.86	1/4 - 7/16	7 - 12	19.1	484.3	6.5	164.4	1.6	40	1.5	37	2.2	56
AET4AB22021C(DL)	5.3 - 21	4 - 15.5	1,371	5.0	2.27	3/8 - 5/8	10 - 17	19.6	498.7	6.5	164.4	1.6	40	1.6	40	2.9	74
AET4AC22028C(DL)	7 - 28	5 - 20.7	1,020	5.5	2.49	1/2 - 7/8	13 - 24	20	508.4	6.5	164.4	1.6	40	2.2	56	3.5	88
AET4AD22038CDL	9.5 - 38	7 - 28	756	6.6	2.99	5/8 - 1-3/16	17 - 32	20.7	525.9	6.5	164.4	1.6	40	2.7	68	4.3	110

2000 Series Hold and Drive Tools

Hold-and-drive tools deliver accurate, repeatable torque by securely holding the fastener in place during tightening.

- Eliminates unwanted rotation and spin-out — no slipping, no misalignment, no rework
- 1" & 2" travel models available
- Sockets and holders are custom

1" Travel (C-1) Model



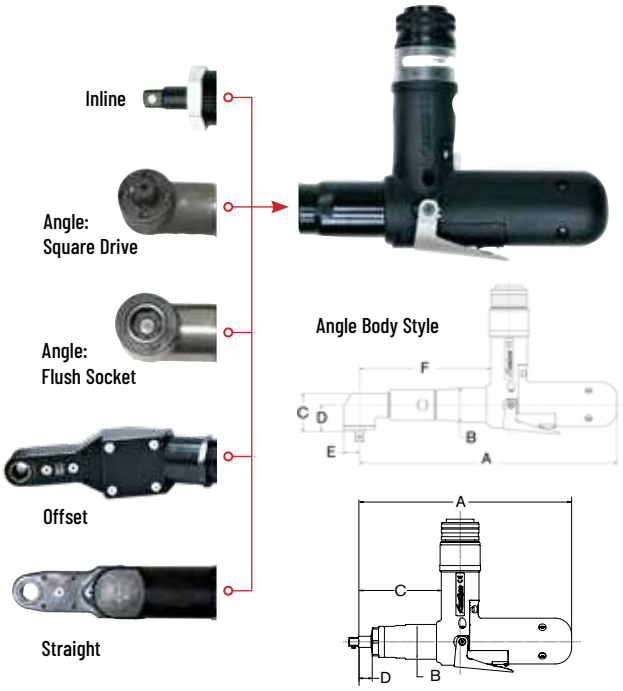
2000 Series Hold and Drive Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (LB)	Min Socket Max Socket	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM	(F) IN	(F) MM	(G) IN	(G) MM
Hold & Drive	(-1) = 1" Travel		(-2) = 2" Travel																		
AEH4F22036C(-1)	36	27	7 - 36	5 - 27	871	-1 = 1.5 kg / 3.4 lb	9/16 (14 mm) 13/16 (21 mm)	16.2	412	1.3	33.4	3.2	80	1.6	40	6.5	165	-1 = 3.2	80.6	1.4	36.5
AEH4F22043C(-1)(-2)	43	32	9 - 43	7 - 32	705	-1 = 1.5 kg / 3.4 lb -2 = 1.7 kg / 3.7 lb	9/16 (14 mm) 13/16 (21 mm)	16.2	412	1.3	33.4	3.2	80	1.6	40	6.5	165	-1 = 3.2 -2 = 4.2	-1 = 80.6 -2 = 106	1.4	36.5
AEH4F22055C(-1)	55	41	11 - 55	8 - 41	551	-1 = 1.5 kg / 3.4 lb	9/16 (14 mm) 13/16 (21 mm)	16.2	412	1.3	33.4	3.2	80	1.6	40	6.5	165	-1 = 3.2	80.6	1.4	36.5

2000 Series Mid-Exit Tools

FEATURES AND BENEFITS

- Length
  - Reduced tool length due to cable exiting in front of grip surface
- Ergonomics
  - Reduced torque reaction compared to pistol-style tools
  - The inline handle, coupled with the ergonomic hand positioning, allows for increased leverage and decreased strain on the wrist
- Cable management
  - If used with a spring balancer, the tool hangs naturally near its center of gravity, the cable is controlled by the balancer
  - Front positioning of cable provides for easy cable management



Inline, Straight, and Offset Body Style

2000 Series Mid-Exit Cable Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output SQ. DR.	A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM	F IN	F MM
Mid-Exit Models: Angle Body Style	Add "F" to Part Numbers for Flush Socket																			
AEN4C22015BM(F)	15	11	3.75 - 15	2.77 - 11	700	2.6	1.18	3/8"	9.02	229.1	1.47	37.3	1.29	32.8	.82	20.9	.52	13.1	3.51	89.3
AEN4F22030BM(F)	30	22	7.5 - 30	5.53 - 22	675	3.3	1.50	3/8"	11.24	285.6	1.47	37.3	1.66	42.1	1.17	29.7	.70	17.8	5.73	145.6
AEN4F22037BM(F)	37	29	9.25 - 37	6.82 - 29	533	3.3	1.50	3/8"	11.24	285.6	1.47	37.3	1.66	42.1	1.17	29.7	.70	17.8	5.73	145.6
AEN4F22044BM(F)	44	32	11 - 40	8.11 - 29	432	3.3	1.50	3/8"	11.24	285.6	1.47	37.3	1.66	42.1	1.17	29.7	.70	17.8	5.73	145.6
Mid-Exit Models: Inline, Straight, and Offset Body Style																				
AES4A22020BVM	20	15	5 - 20	3.7 - 15	1050	2.4	1.09	3/8"	9.0	228.5	1.47	37.3	3.49	88.6	.56	14.2	–	–	–	–
AES4A22025BVM	25	18	6.3 - 25	4.6 - 18	830	2.4	1.09	3/8"	9.0	228.5	1.47	37.3	3.49	88.6	.56	14.2	–	–	–	–
AES4A22030BVM	30	22	7.5 - 30	5.5 - 22	672	2.4	1.09	3/8"	9.0	228.5	1.47	37.3	3.49	88.6	.56	14.2	–	–	–	–
AES4A22040BVM	40	30	10 - 40	7.4 - 30	525	2.4	1.09	3/8"	9.0	228.5	1.47	37.3	3.49	88.6	.56	14.2	–	–	–	–

AcraDrive Discontinuous Drive Tools

ONE TOOL
TWO WAYS TO DRIVE
THREE TIGHTENING STRATEGIES
MULTIPLE HANDLE CONFIGURATIONS



Providing amazing flexibility in one tool, the AcraDyne Discontinuous Drive Nutrunner adds choice, speed, accuracy, and virtually reaction-free tightening to the user-friendly GEN IV Ecosystem

TIGHTENING STRATEGIES

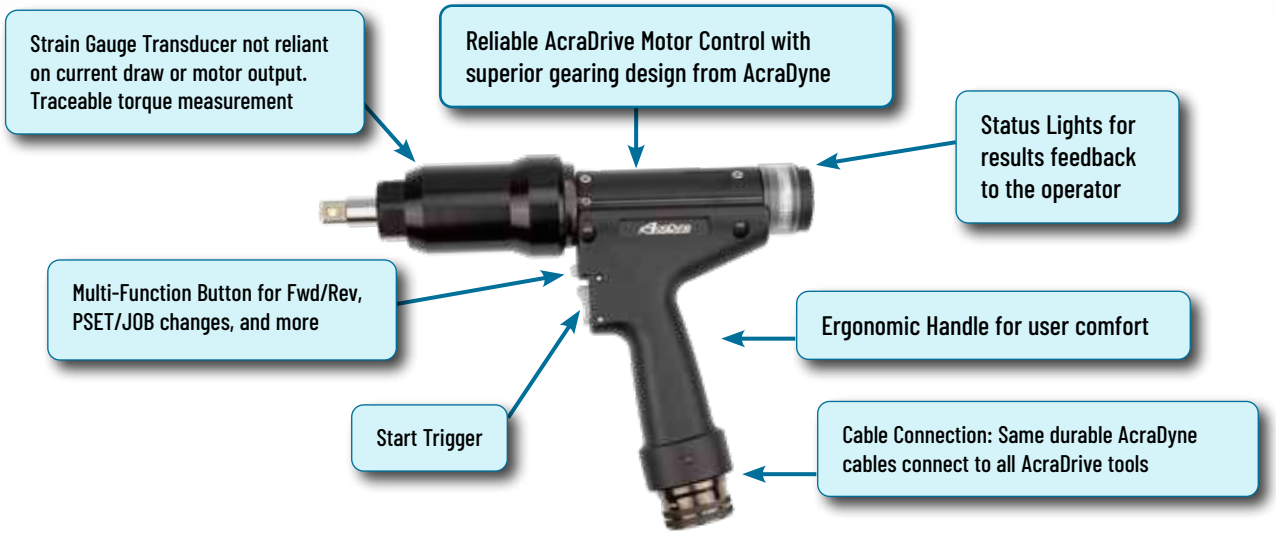
- Continuous Mode
  - Tool can be programmed to run in Continuous Mode like traditional DC nutrunners (within ergonomically acceptable limits)
- Discontinuous Mode
  - Virtually reaction-free performance with great accuracy and controllability
- Continuous Mode & Discontinuous Mode
  - Unique capability in a single tool delivers torque to the fastener in both Continuous and Discontinuous modes when programmed in a multistage parameter

DISCONTINUOUS DRIVE ADVANTAGES

- High torque accuracy
- High tool speeds
- Minimal torque reaction
- Low vibration & noise
- One-handed operation
- Durable motor and gearing for long lifespan between preventative maintenance

MADE IN THE USA





Offering the greatest flexibility in one tool. The AcraDrive Discontinuous nutrunner offers three modes that are programmable in the Gen IV Controller. The ability to operate in Continuous Mode, Discontinuous Mode, or Continuous & Discontinuous Mode with one tool means ultimate cost savings with multiple features. No more need to sacrifice ergonomics for reduced cost of ownership, or forfeit high tool speeds in order to achieve traceable data.

FEATURES AND BENEFITS

Safe & Ergonomic Operation

- Optimal balance for less operator fatigue
- Minimal torque reaction properties in Discontinuous mode
- Proprietary motor control algorithm for optimizing to application demands
- Multiple handle configurations allow for greater access to the application

Flexibility & Cost Savings

- Connects to the industry's most intuitive control platform — AcraDyne's iEC Gen IV Controller
- One tool capable of Continuous and Discontinuous drive means that one tool can cover more applications
- No software add-ons required and no-cost updates available at www.aimco-global.com


Pistol Model, Bottom Exit


Inverted Pistol Model

Low Maintenance

- Precision gearing tested to greater than 500,000 cycle reliability
- Sealed brushless optimized motors with zero maintenance requirements

Speed & Accuracy

- Combines fast tool speeds with Discontinuous drive and advanced data tracing
- Torque is measured by an industry standard Strain Gauge traceable transducer



2000 Series Discontinuous Drive Tools

Model	Torque Range NM	Torque Range FT-LB	Max Speed RPM	Joints Hard	Joints Medium	Length IN	Length MM	Weight LB	Weight KG	Output Sq. Drive
Pistol Tools P = Pistol Tools with Bottom Exit PR = Pistol Tools with Rear Exit U = Inverted Pistol Tool										
AEP4(P)(PR)22030AV	18 - 30	13.3 - 22	1,579	20 - 80°	80 - 150°	P =10.7 PR = 14.7	P = 271 PR = 373	4.05	1.84	3/8"
AEP4P22030AVU	18 - 30	13.3 - 22	1,579	20 - 80°	80 - 150°	10.7	271	4.05	1.84	3/8"
AEP4(P)(PR)22050AV	28 - 50	20.7 - 37	1,579	20 - 80°	80 - 150°	P = 10.8 PR = 14.8	P = 274 PR = 376	4.05	1.84	1/2"
AEP4P22050AVU	28 - 50	20.7 - 37	1,579	20 - 80°	80 - 150°	10.8	274	4.05	1.84	1/2"

3000 SERIES

10 – 600 Nm

- Superior size, speed, and duty cycle compared to competitors' tools
- Aluminum gear and motor housing
- Onboard lights and audible signal for operator feedback



3000 Series Angle Tools

- Provides the perfect solution for space-limited applications
- Compact, durable head houses a precision right-angle gearset that fits into the tightest spaces
- Integrated transducer for accurate delivery or monitoring of Torque and Angle
- Lightweight materials and uniform body diameter provide a comfortable grip
- Ergonomically placed start lever for ease of operation
- Available in regular or flush socket options
- Dual-Lever available on 60 – 375 Nm models



AEN33060C



AEN33200CF, Flush Socket



Flush Socket Option







3000 Series Angle Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output SQ. DR	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM
3000 Series	Add "F" to Part Numbers for Flush Socket				DL = Dual Lever			(V) = Extended Ergo-Drive Output			W = Wobble Output Spindle							
AEN33060C(F)(DL)(V)	60	44	12 - 60	9 - 44	845	6.6	2.99	1/2.	19.14	486.14	1.85	47	1.91	48.36	1.38	35.2	.83	21
AEN33090C(F)(DL)(V)(W)	90	66	18 - 90	13 - 66	568	6.6	2.99	1/2.	19.14	486.14	1.85	47	1.91	48.36	1.38	35.2	.83	21
AEN33120C(F)(DL)	120	89	24 - 120	18 - 88	442	9.3	4.22	1/2	21.22	539	1.85	47	2.78	71	2.08	53	1.05	27
AEN33200C(F)(DL)	200	148	40 - 200	29 - 147	245	9.4	4.26	3/4	23.43	595	1.85	47	2.54	65	1.84	47	1.05	27
AEN33210C(DL)	210	155	50 - 210	37 - 155	234	10.0	4.54	3/4	23.8	604.5	1.85	47	2.97	75	2.04	52	1.25	32
AEN33300C(DL)	300	221	60 - 300	42 - 221	151	10.0	4.54	3/4	23.72	602	1.85	47	2.97	75	2.04	52	1.25	32
AEN33375C(DL)	375	277	75 - 375	55 - 276	151	10.0	4.54	3/4	23.72	602	1.85	47	2.97	75	2.04	52	1.25	32

3000 Series Inline Tools

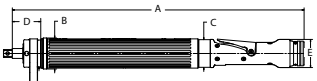
- Compact and durable, AcraDyne 3000 Series inline nutrunners are the ideal choice for fixtured fastening applications
- A uniform body diameter and a hex-shaped mounting point allow for simple installation into fixtured plates
- User modifiable reaction bar included with in-line tools for use in handheld applications
- Standard Square Drive or extended Ergo Drive output available on all models



AES33040CV



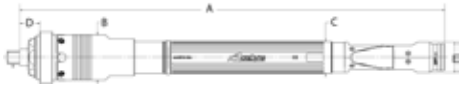
AES33060C-2



CV Ergo Drive Output Model



C-2 2" Sliding Spindle Model



400 Nm & 600 Nm Models with Standard Square Drive Output

3000 Series Inline Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output SQ. DR	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM
3000 Series	(V) = Extended Ergo-Drive Output		-2 = 2" sliding spindle															
AES33040C(V)(-2)	40	30	8 - 40	5.9 - 30	1,314	6.4	2.90	1/2"	V = 18.46 -2 = 23.89	469 606.8	1.96	49.8	V = 1.75 -2 = 1.85	44.5 47	V = 1.8 -2 = 4.3	45.7 109.5	1.78	45.2
AES33060C(V)(-2)	60	44	12 - 60	8.9 - 44	883	6.4	2.90	1/2"	V = 18.46 -2 = 23.89	469 606.8	1.96	49.8	V = 1.75 -2 = 1.85	44.5 47	V = 1.8 -2 = 4.3	45.7 109.5	1.78	45.2
AES33100C(V)(-2)	100	74	20 - 100	15 - 74	489	8.1	3.67	1/2"	V = 22.78 -2 = 27.71	578.6 703.8	1.96	49.8	V = 1.75 -2 = 1.85	44.5 47	V = 6.11 -2 = 3.96	155.3 100.5	1.78	45.2
AES33150C(V)(-2)	150	111	30 - 150	22 - 111	329	8.1	3.67	1/2."	V = 22.78 -2 = 27.71	578.6 703.8	1.96	49.8	V = 1.75 -2 = 1.85	44.5 47	V = 6.11 -2 = 3.96	155.3 100.5	1.78	45.2
AES33230C(V)(-2)	185	137	46 - 185	34 - 137	221	8.1	3.67	1/2"	V = 22.78 -2 = 27.71	578.6 703.8	1.96	49.8	V = 1.75 -2 = 1.85	44.5 47	V = 6.11 -2 = 3.96	155.3 100.5	1.78	45.2
AES33400C	400	295	80 - 400	59 - 295	122	13.0*	5.90*	3/4"	25.2	640	2.64	67.1	1.85	47	1.19	30.12	1.78	45.2
AES33600C	600	443	120 - 600	89 - 443	82	13.0*	5.90*	3/4"	25.2	640	2.64	67.1	1.85	47	1.19	30.12	1.78	45.2

* Incudes reaction bar and fixture nut

3000 Series Hold and Drive Tools

Hold-and-drive tools deliver accurate, repeatable torque by securely holding the fastener in place during tightening.

- Eliminates unwanted rotation and spin-out — no slipping, no misalignment, no rework
- 1" & 2" travel models available
- Sockets and holders are custom



1" Travel (C-1) Model



2" Travel (C-2) Model



3000 Series Hold and Drive Tools

Model*	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (LB)	Min Socket Max Socket	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM
Hold & Drive	(-1) = 1" Travel		(-2) = 2" Travel														
AEH33060C(-1)(-2)	60	44	12 - 60	9 - 44	845	-1 = 7.3 -2 = 7.5	9/16 (14 mm) 1-1/4 (32 mm)	19.1	485.1	1.85	47	-1 = 3.36 -2 = 4.37	85.3 111.1	1.88	47.6	1.78	45.2
AEH33090C(-1)(-2)	90	66	18 - 90	13 - 66	568	-1 = 7.3 -2 = 7.6	9/16 (14 mm) 1-1/4 (32 mm)	16.79	426.5	1.85	47	-1 = 3.36 -2 = 4.37	85.3 111.1	1.88	47.6	1.78	45.2
AEH33120C(-1)(-2)	120	89	24 - 120	18 - 89	442	-1 = 10.0 -2 = 10.3	5/8 (15 mm) 1-1/4 (32 mm)	21.22	539.1	1.85	47	-1 = 4.09 -2 = 5.09	103.8 129.2	2.25	57.2	1.78	45.2

* Ɛ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

5000 SERIES

20 – 635 Nm

- Superior size, speed, and duty cycle compared to competitors' tools
- High duty cycle
- Durable Nylon motor and handle housing
- Onboard lights and audible signal for operator feedback



5000 Series Pistol Tools

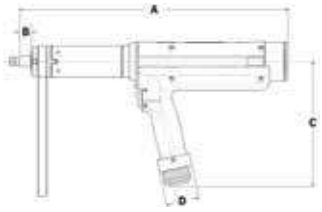
- Bottom and top exit models, as well as push-to start models available
- Ergo drive available on 75 – 170 Nm models
- Programmable Multi-Function Button: One single button facilitates several distinctly different tasks



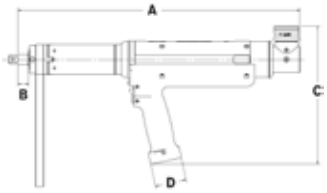
AEP35635A



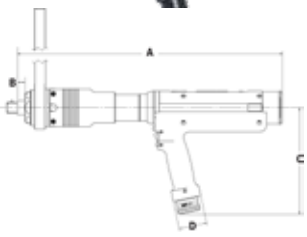
AEP35075AV



Extended Ergo Drive Bottom Exit (AV) Model



Extended Ergo Drive Top Exit (AVT) Model



Standard Square Drive Bottom Exit (A) Model

5000 Series Pistol Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output SQ DR	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM
5000 Series	V = Extended Ergo-Drive Output		T = Top Exit Models													
AEP35075AV(T)	75	55	19 - 75	14 - 55	944	9.2	4.17	1/2	AV = 15.95 AVT = 16.83	405.2 427.4	.68	17.4	AV = 7.44 AVT = 8.63	188.9 219	1.96	49.7
AEP35090AV(T)	90	66	23 - 90	17 - 66	767	9.2	4.17	1/2	AV = 15.95 AVT = 16.83	405.2 427.4	.68	17.4	AV = 7.44 AVT = 8.63	188.9 219	1.96	49.7
AEP35110AV(T)	110	81	28 - 110	21 - 81	634	9.2	4.17	1/2	AV = 15.95 AVT = 16.83	405.2 427.4	.68	17.4	AV = 7.44 AVT = 8.63	188.9 219	1.96	49.7
AEP35135AV(T)	135	99	34 - 135	25 - 99	515	9.2	4.17	1/2	AV = 15.95 AVT = 16.83	405.2 427.4	.68	17.4	AV = 7.44 AVT = 8.63	188.9 219	1.96	49.7
AEP35170AV(T)	170	125	43 - 170	32 - 125	418	9.2	4.17	1/2	AV = 15.95 AVT = 16.83	405.2 427.4	.68	17.4	AV = 7.44 AVT = 8.63	188.9 219	1.96	49.7
AEP35280A(T)	280	206	70 - 280	52 - 207	236	13.6	6.17	3/4	A = 18.51 AT = 19.41	470.3 493.1	.52	13.1	A = 7.44 AT = 8.59	188.9 217.9	1.96	49.7
AEP35350A(T)	350	258	88 - 350	65 - 258	192	13.6	6.17	3/4	A = 18.51 AT = 19.41	470.3 493.1	.52	13.1	A = 7.44 AT = 8.59	188.9 217.9	1.96	49.7
AEP35420A(T)	420	310	105 - 420	78 - 310	159	13.6	6.17	3/4	A = 18.51 AT = 19.41	470.3 493.1	.52	13.1	A = 7.44 AT = 8.59	188.9 217.9	1.96	49.7
AEP35515A(T)	515	380	128 - 515	95 - 380	129	13.6	6.17	3/4	A = 18.51 AT = 19.41	470.3 493.1	.52	13.1	A = 7.44 AT = 8.59	188.9 217.9	1.96	49.7
AEP35635A(T)(R)	635	468	159 - 635	117 - 469	104	13.6	6.17	3/4	A = 18.51 AT = 19.41	470.3 493.1	.52	13.1	A = 7.44 AT = 8.59	188.9 217.9	1.96	49.7

* ϵ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

5000 Series Angle Tools

- Provides the perfect solution for space-limited applications. Compact, durable head houses a precision right-angle gearset that fits into the tightest spaces
- Integrated transducer for accurate delivery or monitoring of Torque and Angle
- Lightweight materials and uniform body diameter provide a comfortable grip
- Ergonomically placed start lever for ease of operation
- Available in regular or flush socket options



AEN35140B

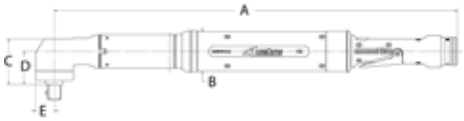


AEN35285B

Flush Socket Option







5000 Series Angle Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output SQ. DR	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) B models only IN	(E) B models only MM
5000 Series	Add "F" to Part Numbers for Flush Socket																	
AEN35090B(F)	90	66	23 - 90	17 - 66	607	6.9	3.13	1/2	22.63	574.8	2.31	58.7	1.91	48.6	1.38	35.2	.81	20.6
AEN35140B(F)	140	103	35 - 140	26 - 103	472	10.4	4.72	3/4	22.56	573	2.31	58.7	2.54	64.6	1.84	46.8	1.05	26.7
AEN35175B(F)	175	129	44 - 175	33 - 129	384	10.5	4.76	3/4	22.56	573	2.31	58.7	2.54	64.6	1.84	46.8	1.05	26.7
AEN35210BF	210	155	52 - 210	38 - 155	317	12.3	5.58	3/4	22.56	573	2.31	58.7	2.4	61	1.7	43.2	—	—
AEN35225B(F)	225	166	56 - 225	41 - 166	291	12.3	5.58	3/4	22.92	582.2	2.31	58.7	2.86	72.6	1.94	49.1	1.25	31.8
AEN35285B(F)	285	210	71 - 285	52 - 210	236	12.3	5.58	3/4	22.92	582.2	2.31	58.7	2.86	72.6	1.94	49.1	1.25	31.8
AEN35350B(F)	350	258	88 - 350	65 - 258	191	12.3	5.58	3/4	22.92	582.2	2.31	58.7	2.86	72.6	1.94	49.1	1.25	31.8

5000 Series Inline Tools

- Compact and durable, AcraDyne 5000 Series inline nutrunners are the ideal choice for fixtured fastening applications
- A uniform body diameter and a hex-shaped mounting point allow for simple installation into fixtured plates
- User modifiable reaction bar included with in-line tools for use in handheld applications
- Standard Square Drive or extended Ergo Drive output available on all models



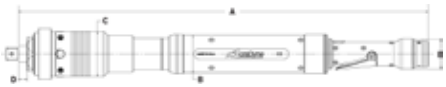
AES35170AV



AES35280A



5000 Series
75 – 170 Nm Models (1/2" Sq. Dr.)



5000 Series
280 – 635 Nm Models (3/4" Sq. Dr.)

5000 Series Inline Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output Sq. Dr IN	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM
5000 Series	V = Extended Ergo-Drive Output																	
AES35075AV	75	55	19 - 75	14 - 55	944	9.2	4.17	1/2	21.9	556.3	1.85	47	2.31	58.7	.68	17.4	1.78	45.2
AES35090AV	90	66	23 - 90	17 - 66	767	9.2	4.17	1/2	21.9	556.3	1.85	47	2.31	58.7	.68	17.4	1.78	45.2
AES35110AV	110	81	28 - 110	21 - 81	634	9.2	4.17	1/2.	21.9	556.3	1.85	47	2.31	58.7	.68	17.4	1.78	45.2
AES35135AV	135	100	34 - 135	25 - 100	515	9.2	4.17	1/2.	21.9	556.3	1.85	47	2.31	58.7	.68	17.4	1.78	45.2
AES35170AV	170	126	43 - 170	32 - 126	418	9.2	4.17	1/2	21.9	556.3	1.85	47	2.31	58.7	.68	17.4	1.78	45.2
AES35280A	280	207	70 - 280	52 - 207	236	12.8	5.81	3/4	24.33	618.2	2.31	58.7	2.64	67.1	.52	13.1	1.78	45.2
AES35350A	350	258	88 - 350	65 - 258	192	12.8	5.81	3/4	24.33	618.2	2.31	58.7	2.64	67.1	.52	13.1	1.78	45.2
AES35420A	420	310	105 - 420	78 - 310	159	12.8	5.81	3/4	24.33	618.2	2.31	58.7	2.64	67.1	.52	13.1	1.78	45.2
AES35515A	515	380	128 - 515	95 - 380	129	12.8	5.81	3/4.	24.33	618.2	2.31	58.7	2.64	67.1	.52	13.1	1.78	45.2
AES35635A	635	469	159 - 635	117 - 469	104	12.8	5.81	3/4	24.33	618.2	2.31	58.7	2.64	67.1	.52	13.1	1.78	45.2

* Є logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

5000 Series Fixtured Tools

- Rear & bottom exit available
- Standard Square Drive, Extended Ergo Drive, or 1/4" Quick Change outputs available in most models
- Models available with 1/2" fixed sq. dr., 3/4" fixed sq. dr., and 2" siding spindle



AEF35135AV
Extended Ergo Drive, Rear Exit Model



AEF35350A
Standard Spindle, Rear Exit Model



AEF35135AVB
Extended Ergo Drive, Bottom Exit Model



AEF35135A-2
2" Sliding Spindle, Rear Exit Model



AEF35135AB-2
2" Sliding Spindle, Bottom Exit Model

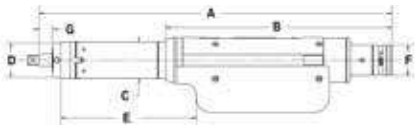
5000 Series Fixtured Tools

Model	Max Torque NM	Max Torque FT-LB	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Output SQ. DR.
5000 Series (V) = Extended Ergo Drive Output (VB) = Extended Output with Bottom Exit Cable (B) = Bottom Exit Cable (-2) = 2" Sliding Spindle with Rear Exit Cable (B-2) = 2" Sliding Spindle with Bottom Exit Cable								
AEF35075A(V)(VB)(-2)(B-2)	75	55	19 - 75	14 - 55	944	9.6	4.35	1/2"
AEF35090A(V)(VB)(-2)(B-2)	90	66	23 - 90	17 - 66	767	9.6	4.35	1/2"
AEF35110A(V)(VB)(-2)(B-2)	110	81	28 - 110	21 - 81	634	9.6	4.35	1/2"
AEF35135A(V)(VB)(-2)(B-2)	135	100	34 - 135	25 - 100	515	9.6	4.35	1/2"
AEF35170A(V)(VB)	170	125	43 - 170	32 - 125	418	9.6	4.35	1/2"
AEF35170A(-2)(B-2)	170	125	43 - 170	32 - 125	418	9.6	4.35	3/4"
AEF35280A*	280	207	70 - 280	52 - 207	236	13.6	6.17	3/4"
AEF35350A*	350	258	88 - 350	65 - 258	192	13.6	6.17	3/4"
AEF35420A*	420	310	105 - 420	77 - 310	159	13.6	6.17	3/4"
AEF35515A*	515	380	128 - 515	95 - 380	129	13.6	6.17	3/4"
AEF35635A*	635	469	159 - 635	117 - 469	104	13.6	6.17	3/4"

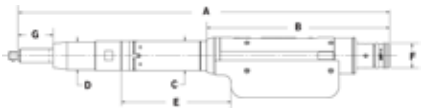
* Item 28843 is a panel mount 2" sliding spindle for 280 - 635 Nm models.

5000 Series Fixtured Tool Dimensions

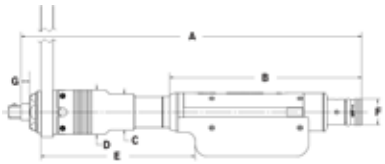
MODEL	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM	(F) IN	(F) MM	(G) IN	(G) MM
Standard Spindle Models														
AEF35280A	20.5	520	11.6	293	2.1	54	2.6	67	9.3	236	1.6	40	.5	13
AEF35350A	20.5	520	11.6	293	2.1	54	2.6	67	9.3	236	1.6	40	.5	13
AEF35420A	20.5	520	11.6	293	2.1	54	2.6	67	9.3	236	1.6	40	.5	13
AEF35515A	20.5	520	11.6	293	2.1	54	2.6	67	9.3	236	1.6	40	.5	13
AEF35635A	20.5	520	11.6	293	2.1	54	2.6	67	9.3	236	1.6	40	.5	13
Extended Ergo Drive Output Models														
AEF35075AV	18	458	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	.7	18
AEF35090AV	18	458	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	.7	18
AEF35110AV	18	458	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	.7	18
AEF35135AV	18	458	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	.7	18
AEF35170AV	18	458	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	.7	18
2" Sliding Spindle with Rear Exit Cable Models														
AEF35075A-2	23.5	596	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	2.2	57
AEF35090A-2	23.5	596	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	2.2	57
AEF35110A-2	23.5	596	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	2.2	57
AEF35135A-2	23.5	596	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	2.2	57
AEF35170A-2	23.5	596	11.6	293	1.9	47	1.8	44	6.9	176	1.6	40	2.2	57



Extended Ergo Drive Output (AV) Models



2" Sliding Spindle (A-2) Models



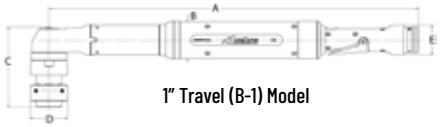
Standard Spindle (A) Models

* ∈ logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

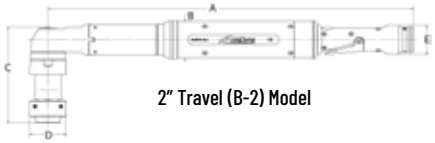
5000 Series Hold-and-Drive Tools

Hold-and-drive tools deliver accurate, repeatable torque by securely holding the fastener in place during tightening.

- Eliminates unwanted rotation and spin-out — no slipping, no misalignment, no rework
- 1" & 2" travel models available
- Sockets and holders are custom Torques ranging from 90 Nm – 350 Nm
- 1" and 2" travel models available
- Sockets and holders are custom



1" Travel (B-1) Model



2" Travel (B-2) Model

5000 Series Hold and Drive Tools

Model*	Max Torque NM	Max Torque FT-LB	Torque Range Nm	Torque Range FT-LB	Free Speed RPM	Weight (LB)	Min Socket Max Socket	(A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM	(E) IN	(E) MM
Hold & Drive (-1) = 1" Travel (-2) = 2" Travel																	
AEH35090B(-1)(-2)	90	66	23 - 90	17 - 66	607	-1 = 7.6 -2 = 7.9	9/16 (14 mm) 1-1/4 (32 mm)	22.63	574.8	2.31	58.7	-1 = 4.02 -2 = 4.96	102.1 126	1.88	47.6	1.78	45.2
AEH35140B(-1)(-2)	140	103	35 - 140	26 - 103	472	-1 = 10.6 -2 = 11.0	5/8 (15 mm) 1-1/4, (32 mm)	22.56	572.9	2.31	58.7	-1 = 4.87 -2 = 5.87	123.7 149.1	2.25	57.15	1.78	45.2
AEH35175B(-1)(-2)	175	129	44 - 175	33 - 129	384	-1 = 10.6 -2 = 11.1	5/8 (15 mm) 1-1/4 (32 mm)	22.52	571.9	2.31	58.7	-1 = 4.87 -2 = 5.87	123.7 149.1	2.25	57.15	1.78	45.2
AEH35225B(-1)(-2)	225	166	56 - 225	41 - 166	291	-1 = 12.9 -2 = 13.3	3/4 (19 mm) 1-1/4 (32 mm)	22.92	582.2	2.31	58.7	-1 = 5.52 -2 = 6.52	140.1 165.5	2.63	66.7	1.78	45.2
AEH35285B(-1)(-2)	285	210	71 - 285	52 - 210	236	-1 = 12.9 -2 = 13.3	3/4 (19 mm) 1-1/4 (32 mm)	22.92	582.2	2.31	58.7	-1 = 5.52 -2 = 6.52	140.1 165.5	2.63	66.7	1.78	45.2
AEH35350B(-1)(-2)	350	258	88 - 350	65 - 258	191	-1 = 12.9 -2 = 13.3	3/4 (19 mm) 1-1/4 (32 mm)	22.92	582.2	2.31	58.7	-1 = 5.52 -2 = 6.52	140.1 165.5	2.63	66.7	1.78	45.2

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SPECIALTY GEARHEADS

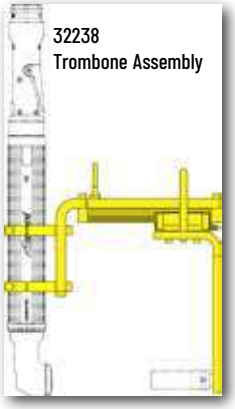
AIMCO can provide specialized heads for most any application. Tubenut, Hold and Drive, Crow Foot, Offsets, and Sliding Spindles are just a few of the head styles available. Whatever the requirements, AIMCO will recommend the head configuration that will get the job done successfully.

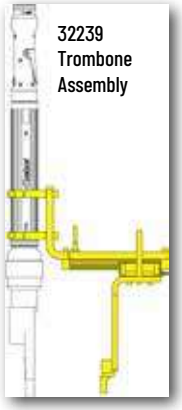
Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



CUSTOM TOOL HOLDERS

AIMCO works closely with customers to design the best customized fit for their application. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.

















Acradyne Riv-Nut Tools

Offering the same size, speed, and duty cycle benefits of 1000 and 2000 series tools, AcraDyne's Riv-Nut tools have a simple, quick mandrel change design and are suitable for a wide range of material thicknesses — limited only by rivet nut size.

FEATURES AND BENEFITS

- Pull-to-torque tool/controller system ensures accurate, repeatable, and measurable tightening every time
- 1000 & 2000 series tools available with bottom exit, rear exit, or top exit cable configurations. Fixtured, and Push-to-Start models are available by request. Contact AIMCO at 1-503-254-6600, or toll free 1-800-852-1368
- Low-friction coating on mandrel for extended life
- Precise control of rivet compression with Torque and Angle detection capability
- Data collection and networking capabilities to capture and utilize result data for QMS systems and line controls
- Multi-function button (MFB) provides increased flexibility
- On-board lights and audible signal for operator feedback
- Works with rivet sizes M4 – M10 or 8-32 – 3/8-16

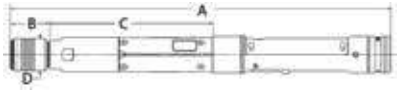


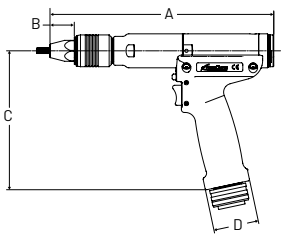
Also Available in the Following Models



1000 & 2000 Series Riv-Nut Tools

Model*	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight (-) Socket LB	Weight (-) Socket KG	Thread Size		Dimensions (A) IN	(A) MM	(B) IN	(B) MM	(C) IN	(C) MM	(D) IN	(D) MM
Pistol															
1000 Series 4A Models = Bottom Exit 4R Models = Rear Exit 4T Models = Top Exit															
AEP4(A)(R)12006BR	1.5 - 6	1.1 - 4.4	2,625	2.2	1.00	M4 x 0.7 mm M5 x 0.8 mm	8-32 UNC 10-24 UNC	9.68	245.9	1.05	26.7	6.01	152.6	1.96	49.8
AEP4(A)(R)12014BR	3.5 - 14	2.6 - 10	1,037	2.3	1.04	M6 x 1.0 mm M8 x 1.25 mm	10-32 UNF 1/4-20 UNC	9.68	245.9	1.05	26.7	6.87	174.5	1.96	49.8
AEP4(A)(R)12022BR	5.5 - 22	4.1 - 16	656	2.3	1.04	M10 x 1.5 mm	5/16-18 UNC 3/8-16 UNC	9.68	245.9	1.05	26.7	6.87	174.5	1.96	49.8
2000 Series 4A Models = Bottom Exit 4R Models = Rear Exit 4T Models = Top Exit															
AEP4(A)(R)(T)22020BR	5 - 20	3.7 - 15	1,837	2.4	1.09	M4 x 0.7 mm M5 x 0.8 mm	8-32 UNC 10-24 UNC	10.18	258.6	1.05	26.7	6.87	174.5	1.96	49.8
AEP4(A)(R)(T)22030BR	7.5 - 30	5.5 - 22	1,176	2.4	1.09	M6 x 1.0 mm M8 x 1.25 mm	10-32 UNF 1/4-20 UNC	10.18	258.6	1.05	26.7	6.87	174.5	1.96	49.8
AEP4(A)(R)(T)22040BR	10 - 40	7.4 - 30	919	2.4	1.09	M10 x 1.5 mm	5/16-18 UNC 3/8-16 UNC	10.18	258.6	1.05	26.7	6.87	174.5	1.96	49.8
Straight															
2000 Series															
AES4A22020CR	5 - 20	3.7 - 14.8	1,837	2.8	1.3	M4 x 0.7 mm M5 x 0.8 mm	8-32 UNC 10-24 UNC	16.4	417.3	1.7	43.2	7.04	178.7	1.38	34.9
AES4A22040CR	10 - 40	7.4 - 29.5	919	2.8	1.3	M6 x 1.0 mm M8 x 1.25 mm M10 x 1.5 mm	10-32 UNF 1/4-20 UNC 5/16-18 UNC 3/8-16 UNC	16.4	417.3	1.7	43.2	7.04	178.7	1.38	40.4





Critical bolting demands tools that deliver high torque with superior performance. Couple with AcraDyne's Controller, the HT Series tools combine these features in an electric, high-torque bolting system that beats the competition in accuracy, speed, and safety.



Pistol Type (AEP)

FEATURES AND BENEFITS

- Built-in integral transducer for optimal monitoring and control
- One of the most accurate high-torque tools in the world
- 250 Nm – 17,000 Nm torque range
- Ergonomic, robust design with five handle configurations that are also available in dual-lever models
- The world's most advanced traceable system at the output
- Three tightening strategies:
  - — *Torque Control:* Drive the tool to a pre-set Target Torque
  - — *Angle Control:* Drive the tool to or measure a pre-set Degree of Angle
  - — *Yield Control:* Drive the tool to the Fastener Yield Point to achieve maximum clamp load
- Data retrieval
- Optional rugged carrying/storage case available
- Optional tool fan available in models 8,100 NM and above
- MADE IN THE USA



Axial Type (AEJ)



Straight Lever Type (AES)

HT Fixed Gearcase Tools

Model	Approx. Torque NM	Approx. Torque FT-LB	Approx. Speed RPM	Weight KG	Weight LB	Total Length (incl sq. dr) MM	Total Length (incl sq. dr) IN	Dia. MM	Dia. IN	Drive IN	Sound Level dB(A)
HT Series Fixed Gearcase Models	(R) = Pistol Tool with Rear Exit Cable					(B) = Fixtured Model with Bottom Exit Cable					
6000 Series											
AE(P)4A66250B(R) AE(D)(S)(J)(F)4A66250B	250	185	315	4.6	10.5	P = 289 P(R) = 331 D = 388 S = 440 J = 331 F = 331 F(B) = 353	11.4 13 15.3 17.3 13 13 13.9	66	2.6	0.75	66
AE(P)4A66425B(R) AE(D)(S)(J)4A66425B AE(F)4A66425B(B)	425	315	165	4.6	10.5			66	2.6	0.75	66
AE(P)A66625B(R) AE(D)(S)(J)4A66625B AE(F)4A66625B(B)	625	460	106	4.8	10.5			66	2.6	0.75	66
AE(P)4A66925B(R) AE(D)(S)(J)(F)4A66925B	925	682	72	4.8	10.5			66	2.6	0.75	66
7000 Series											
AE(F)4A76200BB	200	148	432	5.2	11.5	313	12.3	67.3	2.7	0.75	66
AE(P)(D)(S)(J)(F)4A771000B	1,000	738	65	6.6	14.5	P = 302 D = 397 S = 453 J = 343 F = 343	11.9 15.6 17.8 13.5 13.5	77.5	3.1	1	66
AE(P)(D)(S)(J)4A772500B AE(F)4A772500B(B)	2,500	1,844	25	7.5	16.5	P = 337 D = 433 S = 488 J = 379 F = 379	13.3 17.0 19.2 14.9 14.9	77.5	3.1	1	66
8000 Series											
AE(F)4A872800B	2,800	2,065	8.7	10.4	23	407	16	77.5	3.1	1	66
AE(P)(D)(J)(F)4A884200B1 AE(P)(D)(S)(J)(F)4A884200B	4,200	3,100	12	11.1	24.5	P = 384 D = 480	15.1 18.9	91.2	3.6	B1 = 1 B = 1.5	66
AE(P)(D)(J)(F)4A885000B	5,000	3,700	9.3	11.1	24.5	S = 546 J = 410 F = 410	21.5 16.1 16.1			1.5	66
AE(P)(D)(J)(F)4A896500B AE(F)4A896500B(B)	6,500	4,800	7	15.7	34.5	P = 438 D = 533	17.2 21	103.8	4.1	1.5	66
AE(P)(D)(S)(J)(F)4A898100B	8,100	6,000	5	15.7	34.5	S = 599 J = 463 F = 462	23.6 18.2 18.2				



Rear Mounted Pistol (AED)



Fixtured Type (AEF)

* 8,100 Nm – 17,000 Nm models are not supported by the Gen III controller platform. The Gen IV controller platform is required.

360° Swivel Gearcase Nutrunners

FEATURES AND BENEFITS

- Same features and benefits of fixed gearcase models
- Ergonomic, robust design with two handle configurations





2,800 Nm Torque
AEP4W872800B





8,100 Nm Torque
AEJ4B898100B



8,100 Nm Torque
AEP4B898100B

HT 360° Swivel Gearcase Tools

Model	Approx. Torque NM	FT-LB	Approx. Speed RPM	Weight KG	LB	Length (incl sq. dr) MM	IN	Dia. MM	IN	Drive IN	Sound Level dB(A)
HT Series 360° Swivel Gearcase Models (R) = Pistol Tool with Rear Exit Cable											
6000 Series											
AE(P)4B66250B(R) AE(D)(J)4B66250B	250	185	315	5.3	12					0.75	66
AE(P)4B66425B(R) AE(D)(J)4B66425B	425	315	165	5.3	12	P = 327 P(R) = 368	12.9 14.5	67.3	2.7	0.75	66
AE(P)4B66625B(R) AE(D)(J)4B66625B	625	460	106	5.5	12	D = 429 J = 369	16.9 14.5			0.75	66
AE(P)4B66925B(R) AE(D)(J)4B66925B	925	682	72	5.5	12					0.75	66
7000 Series											
AE(P)(J)4B771000B	1,000	738	65	7.3	16	P = 339 J = 381	13.4 15	77.5	3.1	1	66
AE(P)(J)4B772500B	2,500	1,844	25	8.2	18	P = 377 J = 418	14.8 16.5				
8000 Series											
AE(P)(D)(J)4B884200B1 AE(P)(D)(J)4B884200B	4,200	3,100	12	11.8	26	P = 422 D = 518 J = 446	16.6 20.4 17.6	91.2	3.6	B1 = 1 B = 1.5	66
AE(P)(J)4B896500B	6,500	4,800	7	16.4	36	P = 475 J = 499	18.7 19.7	103.8	4.1	1.5	66
AE(P)(D)(J)4B898100B*	8,100	6,000	5	16.4	36	P = 475 D = 571 J = 499	18.7 22.5 19.7	103.8	4.1	1.5	66
AE(P)4B998100B*	8,100	6,000	5	21.8	48	532	20.9	112	4.4	1.5	66
Models for Extreme Duty / Low Power Environments											
Wind Series											
AE(P)(J)4W872800B	2,800	2,065	9	10.0	22	P = 406 J = 430	16 17	76	3.0	1	66
AE(P)(D)(J)4W885000B1* AE(P)(D)(J)4W885000B*	5,000	3,700	4.5	11.8	26	P = 422 D = 518 J = 446	16.6 20.4 17.6	91.2	3.6	B1 = 1 B = 1.5	66

* 8,100 Nm - 17,000 Nm models are not supported by the Gen III controller platform. The Gen IV controller platform is required.

AIMCO can provide customized tooling solutions for even the most unique applications. Let us propose a solution tailored to your needs. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



Application designs today present difficult to access bolting locations that until now, could not be reached with precision tooling. AcraDyne® HT Series tools have long featured the measurement sensor directly at the output of the tool, which means the torque reported is the torque delivered. This makes the AcraDyne HT Angle tool one of the most accurate high-torque right-angle tools in the world

The AcraDyne® HT Swivel GearCase Angle Nutrunners represent industry leading technology and innovative tool form. These nutrunners enable tight tolerance bolting on fasteners that were very difficult to reach before.

What began as a 3000NM version for performing work on Wind Turbine Blade servicing jobs, has now evolved into a broad range of tools at torques starting at 50 Nm and reaching up to 5000 Nm. Available in 5000, 6000, 7000, and now 8000 series models, there is an AcraDyne® HT Swivel GearCase tool available to solve your tough challenge.

FEATURES AND BENEFITS

- Transducerized closed loop control at the output like all AcraDyne HT-Series tools
- These low-profile head, small-diameter, lever-operated tools, with the torque measured at the output, offer a unique solution
- The torque reported is the torque delivered
- One of the most accurate high-torque right-angle tools in the world
- Same durable, high-cycle gearing as all HT-series tools
- 5000 series tools are fixed gearcase models
- 6000 series tools available in fixed gearcase and 360° swivel gearcase models
- 7000 & 8000 series tools available in 360° swivel gearcase models

5000 Series Models

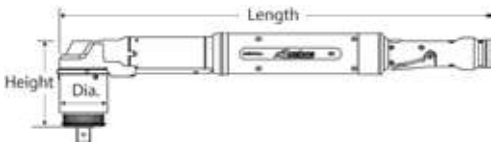

AEN356540A


AEN356910AG


AEN3571000A


AEN3571600A


AEN3572600A



5000 Series HT DC Angle Tools

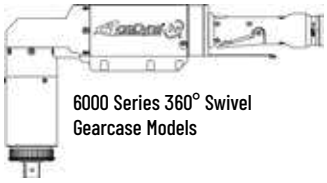
Model	Series	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight * KG	Weight * LB	Length (Minus Reaction Bar) MM	Length (Minus Reaction Bar) IN	Height (Minus Sq. Dr) MM	Height (Minus Sq. Dr) IN	Dia. MM	Dia. IN	Drive IN	Sound Level dB(A)
5000 Series 135 - 2,600 Nm / 100 - 1,917 Ft-Lb														
Fixed Gearcase														
AEN356540A	5000	135 - 540	100 - 398	109	5.95	13.1	607	23.9	120.6	4.75	67.4	2.7	3/4	66
AEN356910AG	5000	225 - 900	166 - 664	27.9	5.5	12.2	496	19.5	150.6	5.93	65.8	2.6	3/4	66
AEN3571000A	5000	250 - 1,000	184 - 737	61	7.39	16.3	621	24.5	136.1	5.36	77.4	3.1	1	66
AEN3571600A	5000	400 - 1,600	295 - 1,180	33	7.57	16.7	612	24.1	136.1	5.36	71.4	3.1	1	66
AEN3572600A	5000	650 - 2,600	479 - 1,917	21	8.40	18.5	621	24.5	171.9	6.77	77.4	3.1	1	66

* Weight is tool only w/o Socket and Reaction Bar

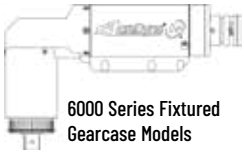
6000 Series Models



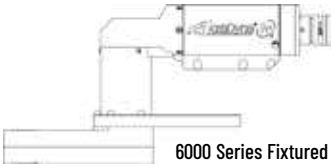
6000 Series Fixed Gearcase Models



6000 Series 360° Swivel Gearcase Models



6000 Series Fixtured Gearcase Models

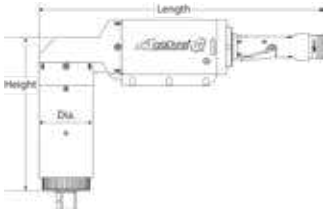


6000 Series Fixtured Gearcase Models with Offset Gearhead

7000 Series Models

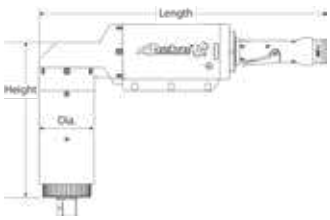


AEN4B773000B





8000 Series Models



6000, 7000, and 8000 Series HT DC Angle Tools

Model	Series	Torque Range NM	Torque Range FT-LB	Free Speed RPM	Weight * KG	Weight * LB	Length (Minus Reaction Bar) MM	Length (Minus Reaction Bar) IN	Height (Minus Sq. Dr) MM	Height (Minus Sq. Dr) IN	Dia. MM	Dia. IN	Drive IN	Sound Level dB(A)
6000 Series 50 - 925 Nm / 37 - 682 Ft-Lb														
Fixed Gearcase														
AEN4A66250B	6000	50 - 250	37 - 184	188	5.6	12.4	417	16.4	150	5.9	67.3	2.7	3/4	66
AEN4A66425B	6000	85 - 425	63 - 313	97	5.6	12.4	417	16.4	150	5.9	67.3	2.7	3/4	66
AEN4A66625B	6000	125 - 625	92 - 461	64	5.6	12.4	417	16.4	150	5.9	67.3	2.7	3/4	66
AEN4A66925B	6000	185 - 925	136 - 682	43.2	5.6	12.4	417	16.4	150	5.9	67.3	2.7	3/4	66
360° Swivel Gearcase														
AEN4B66250B	6000	50 - 250	37 - 184	188	6.3	13.9	417	16.4	188	7.4	67.3	2.7	3/4	66
AEN4B66425B	6000	85 - 425	63 - 313	97	6.3	13.9	417	16.4	188	7.4	67.3	2.7	3/4	66
AEN4B66625B	6000	125 - 625	92 - 461	64	6.3	13.9	417	16.4	188	7.4	67.3	2.7	3/4	66
AEN4B66925B	6000	185 - 925	136 - 682	43.2	6.3	13.9	417	16.4	188	7.4	67.3	2.7	3/4	66
Fixtured														
Add -NP to a model number for offset gearhead. Dimensions vary depending on gearhead. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368														
AEF4N66250B(-NP)	6000	50 - 250	37 - 184	188	5.6	12.4	307	12.1	150	5.9	67.3	2.7	3/4	66
AEF4N66425B(-NP)	6000	85 - 425	63 - 313	97	5.6	12.4	307	12.1	150	5.9	67.3	2.7	3/4	66
AEF4N66625B(-NP)	6000	125 - 625	92 - 461	64	5.6	12.4	307	12.1	150	5.9	67.3	2.7	3/4	66
AEF4N66925B	6000	185 - 925	136 - 682	43.2	5.6	12.4	307	12.1	150	5.9	67.3	2.7	3/4	66
7000 Series 240 - 3,000 Nm / 177 - 2,200 Ft-Lb														
360° Swivel Gearcase														
AEN4B771200B(DL)	7000	240 - 1,200	177 - 885	38	8.1	17.9	422	16.6	229	9	77.5	3.1	1"	66
AEN4B773000B(DL)	7000	600 - 3,000	443 - 2,200	15	9.3	20.4	422	16.6	229	9	77.5	3.1	1"	66
8000 Series 1,000 - 5,000 Nm / 740 - 3,700 Ft-Lb														
360° Swivel Gearcase														
AEN4B885000B1	8000	1,000 - 5,000	740 - 3,700	6	15.9	35	476	18.7	258	10.1	91.2	3.6	1	66
AEN4B885000B	8000	1,000 - 5,000	740 - 3,700	6	15.9	35	476	18.7	258	10.1	91.2	3.6	1.5	66

* Weight is tool only w/o Socket and Reaction Bar



Gen IV iEC4W Field Controller: High Torque with High Tech

The Gen IV Field Controller (see page 39) is the core of the modular AcraDyne DC system. One controller will command any tool in the AcraDyne line — including the HT DC Angle Tool — from 1 Nm to 17,000 Nm, all with the same modular standard cable design.

HIGH TORQUE DUAL-LEVER/DUAL-TRIGGER TOOLS

Provides Additional Safety by Avoiding Accidental Tool Start

FEATURES AND BENEFITS

- Built-in integral transducer for optimal monitoring and control
- One of the most accurate high-torque tools in the world
- 250 Nm – 17,000 Nm
- Two-Hand No Tie Down Operation
  - No Tie Down Control: Operator must have both hands on and activating the dual-starting mechanisms simultaneously. Both hands must remain in position, activating the dual controls, at all times in order for the tool to operate.
- Additional safety when using a tool with a reaction bar or nose extension. Operator's hands remain on the controls and not in a position where they could be impacted by reaction devices
- Hands stay clear of application
- Helps avoid accidental starting of the tool
- Available in five handle types: "Handle Bar" (F) style, Straight (S) style with side handle, Pistol (P) style, Rear-Mounted Pistol (D) style, and J-Handle (J) style
- MADE IN THE USA



AEJ Type



AEP Type



AED Type



AES Type



AEF Type

HT Dual-Lever/Dual-Trigger Nutrunners: SAFETY is VITAL in Critical Bolting

AcraDyne's Nutrunners are designed with ultimate operator safety in mind. The optional dual-lever/dual trigger design helps prevent:



Injuries from Accidental Tool Start

Two-hand operation with no tie-down feature requires the operator to use both hands on the trigger simultaneously. This eliminates the possibility of accidental tool start and keeps both of the operator's hands out of harm's way.

Strain Caused by Awkward Tool Operation

Multiple handle styles ensure the safest, most ergonomic tool for your specific application.

Hand and Finger Trauma

Significantly reduce the risk of crushed or mutilated fingers from unintended tool start.

Protect your most valuable asset — your tool operator.

HT Fixed Gearcase Dual-Lever/Dual Trigger Tools

Dual Lever Model	Approx. Torque NM	Approx. Torque FT-LB	Approx. Speed RPM	Weight KG	Weight LB	Length (incl sq. dr) MM	Length (incl sq. dr) IN	Dia. MM	Dia. IN	Drive IN	Sound Level dB(A)
HT Series Fixed Gearcase: Dual-Lever/Dual Trigger Models — For Straight Type Tools Only: (L) = Left-Side Handle (R) = Right-Side Handle											
6000 Series											
AE(P)(F)4A66250BDL AE(S)4A66250BDL(L)(R)	250	185	315	3.9	9	P = 314 F = 331 S = 440	12.4 13 17.3	67.3	2.7	0.75	66
AE(P)(F)4A66425BDL AE(S)4A66425BDL(L)(R)	425	315	165	3.9	9					0.75	66
AE(P)(F)4A66625BDL AE(S)4A66625BDL(L)(R)	625	460	106	4.1	9					0.75	66
AE(P)(F)4A66925BDL AE(S)4A66925BDL(L)(R)	925	682	72	4.1	9					0.75	66
7000 Series											
AE(P)(F)4A771000BDL AE(S)4A771000BDL(L)(R)	1,000	738	65	5.9	13	P = 324 F = 343 S = 453	12.7 13.5 17.8	77.5	3.1	1	66
AE(P)(F)4A772500BDL AE(S)4A772500BDL(L)(R)	2,500	1,844	25	6.8	15	P = 359 F = 379 S = 488	14.1 14.9 19.2	77.5	3.1	1	66
8000 Series											
AE(F)4A884200B1DL AE(F)4A884200BDL	4,200	3,100	12	10.4	23	410	16.1	91.2	3.6	B1 = 1 B = 1.5	66
AE(F)4A885000BDL	5,000	3,700	9.3	10.4	23	410	16.1	91.2	3.6	1	66
AE(P)(F)4A896500BDL	6,500	4,800	7	15.0	33	P = 438 F = 462	17.2 18.2	102.4	4	1.5	66
AE(F)(J)4A898100BDL*	8,100	6,000	5	15.0	33	F = 462 J = 462	18.2 18.2	102.4	4	1.5	66

* 8,100 Nm – 17,000 Nm models are not supported by the Gen III controller platform. The Gen IV controller platform is required.

HT 360° Swivel Gearcase Dual-Lever/Dual-Trigger Tools

Dual Lever Model	Approx. Torque NM	Approx. Torque FT-LB	Approx. Speed RPM	Weight KG	Weight LB	Length (incl sq. dr) MM	Length (incl sq. dr) IN	Dia. MM	Dia. IN	Drive IN	Sound Level dB(A)
HT Series 360° Swivel Gearcase: Dual-Lever/Dual Trigger Models — For Straight Type Tools Only: (L) = Left-Side Handle (R) = Right-Side Handle											
6000 Series											
AE(P)(F)4B66250BDL AE(S)4B66250BDL(L)(R)	250	185	315	4.6	10.5	P = 353 F = 369 S = 630	13.9 14.5 24.8	67.3	2.7	0.75	66
AE(F)4B66425BDL AE(S)4B66425BDL(L)(R)	425	315	165	4.6	10.5						66
AE(F)4B66625BDL AE(S)4B66625BDL(L)(R)	625	460	106	4.8	10.5						66
AE(F)4B66925BDL AE(S)4B66925BDL(L)(R)	925	682	72	4.8	10.5						66
7000 Series											
AE(P)(F)4B771000BDL AE(D)4B771000BDL(L) AE(S)4B771000BDL(L)(R)	1,000	738	65	6.6	14.5	P = 361 F = 343 D = 438 S = 492	14.2 13.5 17.2 19.4	77.5	3.1	1	66
AE(D)4B771800BDL(L)	1,800	1,328	28	7.5	16.5	475	18.7	77.5	3.1	1	66
AE(P)(F)4B772500BDL AE(D)4B772500BDL(L) AE(S)4B772500BDL(L)(R)	2,500	1,844	25	7.5	16.5	P = 398 F = 379 D = 475 S = 528	15.7 14.9 18.7 20.8	77.5	3.1	1	66
8000 Series											
AE(J)4B884200B1DL AE(J)4B884200BDL	4,200	3,100	12	12.7	28	B1 = 446 B = 451	B1 = 17.6 B = 17.8	91.2	3.6	B1 = 1 B = 1.5	66
AE(J)4B885000B1DL AE(J)4B885000BDL	5,000	3,700	9	12.7	28	B1 = 446 B = 451	B1 = 17.6 B = 17.8	91.2	3.6	B1 = 1 B = 1.5	66
AE(J)4W885000B1DL AE(J)4W885000BDL	5,000	3,700	4.5	12.7	28	B1 = 446 B = 451	B1 = 17.6 B = 17.8	91.2	3.6	B1 = 1 B = 1.5	66
AE(J)4U885000B1DL.001 AE(J)4U885000BDL.001	5,000	3,700	5	21.8	48	345	13.6	91.2	3.6	B1 = 1 B = 1.5	66
AE(P)(F)4B896500BDL	6,500	4,800	5	16.4	36	P = 475 F = 499	P = 18.7 F = 19.7	104	4.1	1.5	66
AE(J)4B898100BDL*	8,100	6,000	5	16.4	36	499	19.7	104	4.1	1.5	66

* 8,100 Nm – 17,000 Nm models are not supported by the Gen III controller platform. The Gen IV controller platform is required.

AIMCO can provide customized tooling solutions for even the most unique applications. Let us propose a solution tailored to your needs. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.

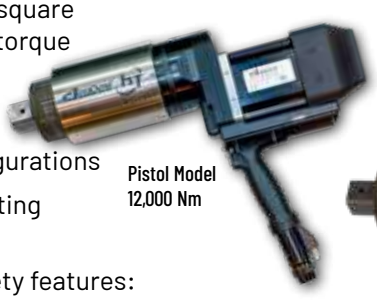
AcraDyne HTXD EXTREME DUTY

Full-Strength Tools for Big Jobs



AcraDyne's HTXD Nutrunner/Gen IV Controller System is one of the Most Accurate High-Torque Bolting Systems in the World

- Measures traceable, dynamic torque directly at the square drive, and the built-in transducer ensures accurate torque values. The torque reported is the torque delivered
- Accuracy not affected by gearing efficiency
- Available in J handle, Pistol handle, and Angle configurations
- Extreme Duty engineering with motors rated for bolting applications near continuous duty
- Patented dual J-Handle models have additional safety features: Operators must use both hands on the trigger simultaneously, eliminating the possibility of accidental tool start and keeping both of the operator's hands out of harm's way
- Wide range of tightening strategies available including Torque Control, Torque plus Angle, Angle Control, and Yield Control



Pistol Model
12,000 Nm



Fixtured Model
6,500 Nm

Dual J-Handle Models



12,000 Nm



17,000 Nm
U.S. Patents
D968491
11,229,993



Fixtured Angle Model
12,000 Nm



J-Handle Model
12,000 Nm

HT Bolting Tools for Extreme Duty

Model	Series	Approx. Torque NM	Approx. Torque FT-LB	Approx. Speed RPM	Weight * KG	Weight * LB	Length (incl sq. dr) MM	Length (incl sq. dr) IN	Dia. MM	Dia. IN	Drive IN	Sound Level dB(A)
AEJ = J Handle/Axial Type AEP = Pistol Type AEF = Fixtured Type Single-Handle Models Standard. Add "DL" to Model Numbers for Dual Lever (AEJ models only)												
Fixtured Gearcase												
AEF4A996500B	9000	6,500	4,800	5.8	19	42	494	19.5	104	4.1	1.5	66
360° Swivel Gearcase												
AEP4W998100B	9000	8,100	6,000	2.3	21.8	48	544	21.4	104	4.1	1.5	66
AEJ4W998100B	9000	8,100	6,000	2.3	21.8	48	544	21.4	104	4.1	1.5	66
AEJ4U998100BDL	9000	8,100	6,000	2.3	21.8	48	427	16.8	104	4.1	1.5	66
AEP4W9X12000B	9X	12,000	8,850	2	31.8	70	572	22.5	131	5.2	1.5	66
AEJ4W9X12000B	9X	12,000	8,850	2	31.8	70	572	22.5	131	5.2	1.5	66
AEJ4U9X12000BDL	9X	12,000	8,850	2	31.8	70	441	17.4	131	5.2	1.5	66
AEP4W9Y17000B	9Y	17,000	12,500	1	42.6	94	381	15	153	6.0	2.5	66
AEJ4U9Y17000BDL	9Y	17,000	12,500	1	42.6	94	458	18	153	60	2.5	66
Angle Tools												
Fixtured Gearcase												
AEF4N9X10000B	9X	10,000	7,375	3	28.2	62.2	422	16.6	131	5.2	1.5	66
AEF4N9X12000B	9X	12,000	8,850	1.65	28.1	61.9	422	16.6	131	5.2	1.5	66

* Weight is tool only w/o Socket and Reaction Bar



iEC4WF Field Controller

Ultimate Operator Safety for Lifting Larger Bolting Tools

AcraDyne's XD Lift Assist device for tool suspension and use allows for easy handling of equipment that otherwise would need two operators to position.



AXD-2000
Lift Assist

FEATURES AND BENEFITS

- Lift can be assembled/disassembled in less than 15 minutes
- Can be used inside wind turbines at deck platforms
- Designed for a wide variety of applications including narrow tower platforms and ladder spaces
- Lift Assist weighs 30 kg / 67 lbs
- Weight of unit is below the weight allowed to be lifted by personnel inside or outside the tower
- Disassembled Lift Assist is transported in a load-rated bag that can be lifted manually or by hoist within the tower
- Device is rated for loads up to 200 kg / 440 lbs
- Full-swivel wheels with locking brakes make movement and repositioning easy



System shown with Gen IV iEC4W Controller and 9Y Series 17,000 Nm Nutrunner Controller and tool sold separately

AXD-2000B
Carry Bag

AcraDyne Gen IV Field Controller

Improved design of AcraDyne's powerful Gen IV Field Controller means increased durability, lighter weight, and quick and easy setup



iEC4WF Field Controller



Rugged, Lightweight Case

FEATURES AND BENEFITS

- Optimized for extreme duty applications >5,000 Nm
- The Gen IV Controller utilizes three tightening strategies:
  - Torque Control: Drive the tool to a pre-set Target Torque
  - Angle Control: Drive the tool to or measure a pre-set Degree of Angle
  - Yield Control: Drive the tool to the Fastener Yield Point to achieve maximum clamp load
- Multiple fastening strategies – Program up to 256 parameters with as many as 20 steps
- Jobs capability – 99
- Real-time curve viewing. Curve storage – 20,000
- Rundown storage – 1,000,000
- Event log – 5,000
- Backup & restore through USB
- Weatherproof, rugged case protects from the toughest environments
- Compact design weighs less than 20 lbs
- Ground clamp is quick and easy to set up and eliminates additional parts that are substantially heavy
- Optional tool fan kit helps prevents tool overheating
- Capable of interface with the AcraDyne series Dual-Lever tools that offer two-hand, no tie down functionality
- 110V — 220V compatible
- Single Ethernet port increases speed of connectivity, signal stability, and signal consistency
- Commands any tool in the AcraDyne line from 1 Nm to 17,000 Nm, all with one cable

PERQ Advantages

PRODUCTIVITY	• Replace multiple conventional tools with one flexible controlled system • Quick and easy setup • Fan kit reduces downtime due to tool overheating
ERGONOMICS	• Compact, rugged case with easy carry handle makes field use easy and convenient • Lightweight for operator comfort
RELIABILITY	• Weatherproof rugged case • Industrial touch screen
QUALITY	• Controlled tightening and consistent torque control improves quality • Process controls reduce human error, and ensure no missed fasteners, stripped threads, rehits, or damaged threads • No premature shut-off

Model	Description	Dimensions W x D x H	Weight LB	Weight KG
iEC4WF	Field use controller for use with 110V or 220V service	16.1" x 12.8" x 6.9" 408 mm x 326 mm x 175 mm	18.5	8.4



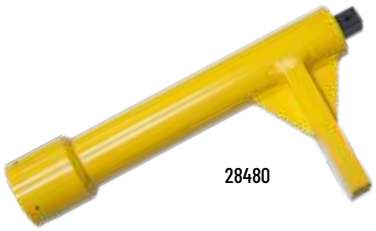
NOSE EXTENSIONS

FEATURES AND BENEFITS

- Ideal for hard-to-reach applications when a torque tube, or arm, is not desirable
- A cost-effective, more flexible option compared to a multiple spindle system
- Common applications:
  - Wheel install and repair stations
  - Large flange assembly
  - Mining vehicle shovel bolts
  - Railway equipment maintenance
  - Oil and gas industry well fixtures


28050




28480

HT GEARHEAD TOOLS

FEATURES AND BENEFITS

- Application-specific, custom made tools fit virtually any application
- Same durable gearing as found on AcraDyne's standard HT series tools
- Model types available:
  - HT Offset Gearhead tools
  - HT Right Angle with Offset Gearhead tools
  - HT Right Angle Air tools with Offset Gearhead

Custom accessories are available for your application. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.





ACCESSORIES

Custom accessories are available for your application; contact an AIMCO Customer Service Associate for details, 1-503-254-6600, or toll free 1-800-852-1368.



Swivel Handle



Swivel Bail

Fixed Handle



Hoist Ring



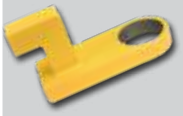
Fixed Handle with Hoist Ring

Model	Description
26477	Swivel Bail, 6000 Series
26327	Swivel Bail, 7000 Series
25287	Swivel Bail, 8000 Series
26630	Swivel Bail, 8000/9000 Series Tools
26478	Swivel D-Handle, 6000 Series
26328	Swivel D-Handle, 7000 Series
25291	Swivel D-Handle, 8000 Series
26479	Stationary Bail, 6000 series (26336 handle not included)
26332	Stationary Bail, 7000 series (26336 handle not included)
25289	Stationary Bail, 8000 series (26336 handle not included)
26336	Fixed Handle (for use with 26479, 26332, 25289)
26337	Rear Fixed Hoist Ring, 6000/7000/8000 Series Pistols
28514	Rear Folding Hoist Ring Kit for 8000 Series Pistols
28549	Sliding Spindle, 6000 Series
27045	Sliding Spindle, 7000 Series
30300	Sliding Spindle, 8000 Series

REACTION BARS



HT tool includes a standard, spline attachment reaction device. Custom reaction devices are available. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.

	Model	Description
 Single Ended Flat	26810 26800 25277 27255 30303	6000 Series 7000 Series 8000 Series 9000 Series X Series
 Single Ended Offset	26815 26885 27200 26890 25274 25275 26840 30306 31273	2.375" Offset, 6000 Series 4.00" Offset, 6000 Series 3.10" Offset, 7000 Series 4.00" Offset, 7000 Series 3.35" Offset, 8000 Series 4.00" Offset, 8000 Series 3.35" Offset, 9000 Series 5.00" Offset, X Series 5.00" Offset, Y Series
 T-Shaped Offset	27335	3.2" Offset, 8000 Series
 Double Ended Flat	26830 26820 25278	6000 Series 7000 Series 8000 Series
 Double Ended Offset	25276	3.35" Offset, 8000 Series

PROTECTIVE COVERS

Durable protective covers prevent marring and damage.



Model	Description
BJ10078	Protective Cover, 6000 Series
BJ10077	Protective Cover, 7000 Series
BJ10076	Protective Cover, 8000 Series

HEAVY DUTY WATER-RESISTANT CASE FOR HT TOOLS



Case with molded foam insert

Made of ultra high-strength polypropylene copolymer resin, this water resistant utility case protects AcraDyne HT tools.

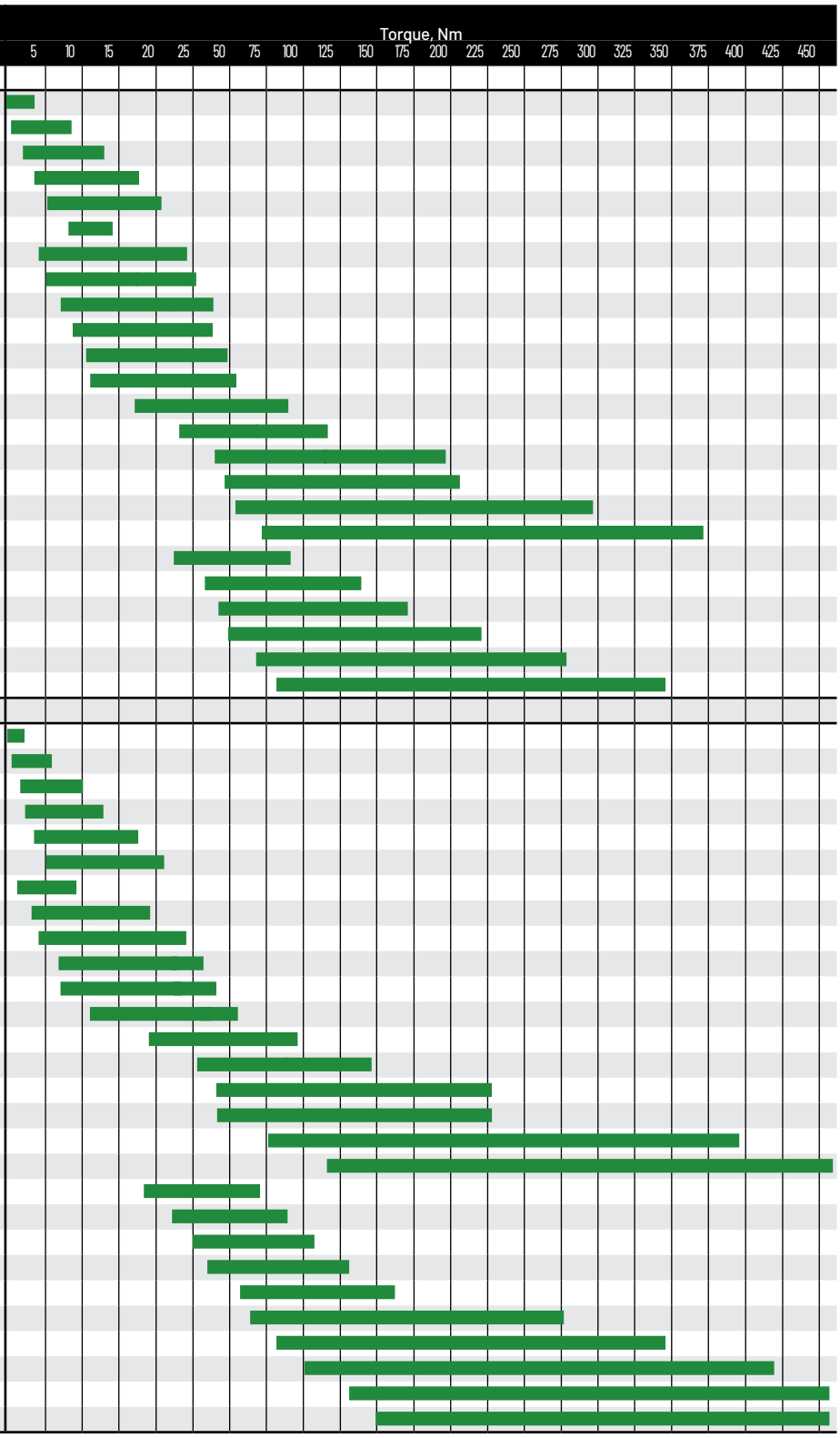
- Molded-in hinge, trigger-release latch system, and snap-down cushion grip handle
- Resistance to UV, solvents, corrosion, and impact damage

Model	Compatible Tools	Description
CC-6000-FIP	6000 series	Case with foam in place
CC-7000-FIP	7000 series	Case with foam in place
CC-8000-FIP	8000 series	Case with foam in place

Please contact an AIMCO Customer Service Associate for details, 1-503-254-6600, or toll free 1-800-852-1368.

DC Tools: Tool/Spindle Selection Guide

Model	RPM**	Length IN	Length MM	Weight LB	Weight KG
Angle					
AEN4C12004B	3,111	11.65	295.9	2.0	0.91
AEN4C12009B	1,750	11.00	279.5	2.2	1.00
AEN4C12014B	875	11.66	296.4	2.2	1.00
AEN4C12018B	691	11.66	296.4	2.2	1.00
AEN4C12022B	560	11.66	296.4	2.2	1.00
AEN32015C	1,481	14.6	371.0	2.7	1.22
AEN32025C	833	14.6	371.0	2.7	1.22
AEN32030C	803	14.4	366.2	2.8	1.27
AEN32040C	574	14.4	366.2	2.8	1.27
AEN33042C	1,095	16.6	422.3	4.4	2.00
AEN33053C	1,095	16.6	422.3	4.4	2.00
AEN33060C	845	18.9	480.5	6.6	2.99
AEN33090C	568	18.9	480.5	6.6	2.99
AEN33120C	442	21.0	533.5	9.3	4.22
AEN33200C	245	23.2	589.6	9.4	4.26
AEN33210C	234	23.6	599.9	10.0	4.54
AEN33300C	151	23.6	599.0	10.0	4.54
AEN33375C	151	23.6	599.0	10.0	4.54
AEN35090B	607	22.6	573.7	6.9	3.13
AEN35140B	472	22.5	571.9	10.4	4.72
AEN35175B	384	22.5	571.9	10.5	4.76
AEN35225B	291	22.9	581.1	12.3	5.58
AEN35285B	236	22.9	581.1	12.3	5.58
AEN35350B	191	22.9	581.1	12.3	5.58
Inline					
AES4A12003BQ	2,625	11.12	282.7	2.0	0.91
AES4A12006BQ	2,625	11.12	282.7	2.0	0.91
AES4A12011BV	1,313	11.44	290.5	2.2	1.00
AES4A12014BV	1,037	11.44	290.5	2.2	1.00
AES4A12018BV	840	11.44	290.5	2.2	1.00
AES4A12022BV	656	11.44	290.5	2.2	1.00
AES32010CV	2,222	13.9	351.7	2.5	1.13
AES32020CV	1,250	13.9	351.7	2.5	1.13
AES32025CV	893	13.9	351.7	3.2	1.45
AES32038CV	595	16.7	424.0	4.2	1.91
AES33040CV	1,314	18.2	463.4	6.4	2.90
AES33060CV	883	18.2	463.4	6.4	2.90
AES33100CV	489	22.6	573.0	8.1	3.67
AES33150CV	329	22.6	573.0	8.1	3.67
AES33230CV	221	22.6	573.0	8.1	3.67
AES33230C-2	221	22.6	573.0	8.1	3.67
AES33400CV	122	24.9	632.5	13.0*	5.90*
AES33600CV**	82	24.9	632.5	13.0*	5.90*
AES35075AV	944	21.9	555.2	9.2	4.17
AES35090AV	767	21.9	555.2	9.2	4.17
AES35110AV	634	21.9	555.2	9.2	4.17
AES35135AV	515	21.9	555.2	9.2	4.17
AES35170AV	418	21.9	555.2	9.2	4.17
AES35280A	236	24.2	615.1	12.8	5.81
AES35350A	192	24.2	615.1	12.8	5.81
AES35420A	159	24.2	615.1	12.8	5.81
AES35515A***	129	24.2	615.1	12.8	5.81
AES35635A****	104	24.2	615.1	12.8	5.81

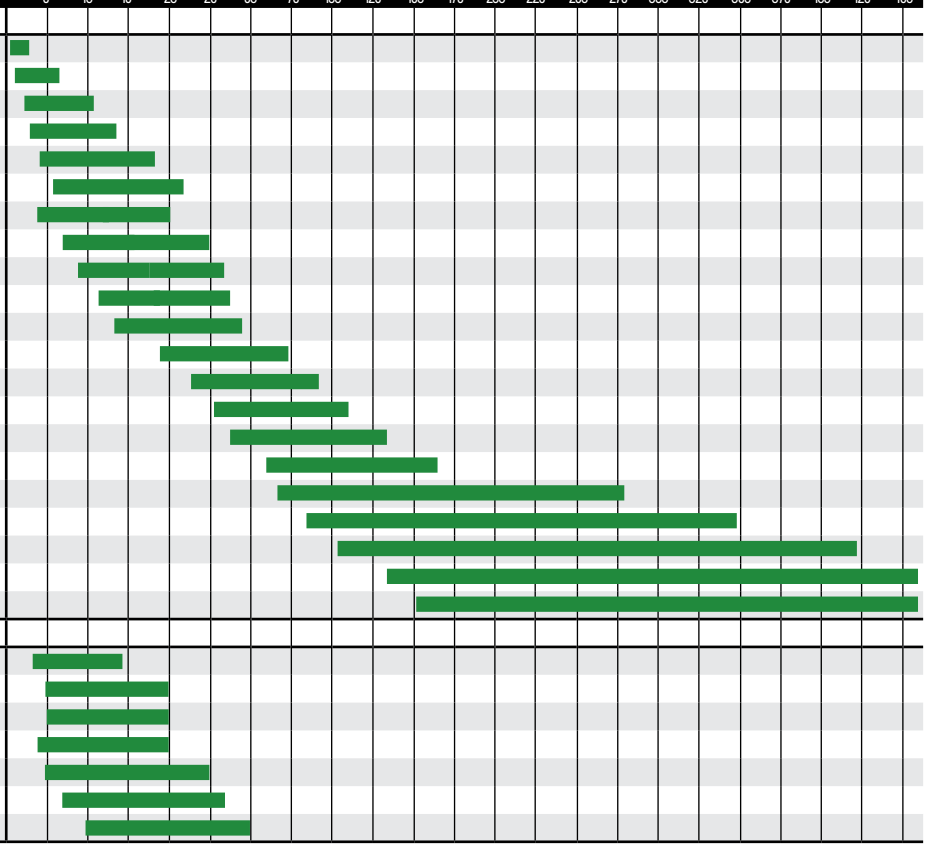


* Includes reaction bar and fixture nut.
** Torque Range: 120-480 Nm Max Torque: 600 Nm
*** Torque Range: 128-515 Nm
**** Torque Range: 159-635 Nm

Recommended Torque Range

Continued on next page

Model	RPM**	Length IN	Length MM	Weight LB	Weight KG
Pistol					
AEP4_12003B_	2,625	7.3	186.3	2.2	1.00
AEP4_12006B_	2,625	7.3	186.3	2.2	1.00
AEP4_12011BV	1,313	8.0	203.3	2.3	1.04
AEP4_12014BV	1,037	8.0	203.3	2.3	1.04
AEP4_12018BV	840	8.0	203.3	2.3	1.04
AEP4_12022BV	656	8.0	203.3	2.3	1.04
AEP4_22020BV	1,313	8.7	219.9	2.4	1.09
AEP4_22025BV	1,037	8.7	219.9	2.4	1.09
AEP4_22030BV	840	8.7	219.9	2.4	1.09
AEP4_22035BV	747	8.7	219.9	2.4	1.09
AEP4_22040BV	656	8.7	219.9	2.4	1.09
AEP35075AV	944	16.0	405.2	9.2	4.17
AEP35090AV	767	16.0	405.2	9.2	4.17
AEP35110AV	634	16.0	405.2	9.2	4.17
AEP35135AV	515	16.0	405.2	9.2	4.17
AEP35170AV	418	16.0	405.2	9.2	4.17
AEP35280A	236	18.4	468.2	13.6	6.17
AEP35350A	192	18.4	468.2	13.6	6.17
AEP35420A	159	18.4	468.2	13.6	6.17
AEP35515A*	129	18.4	468.2	13.6	6.17
AEP35635A**	104	18.4	468.2	13.6	6.17
Tubenut					
AET4A12018B	516	15.41	288.1	3.1	1.41
AET4A12025B	387	15.41	288.1	3.1	1.41
AET4A12025B-KD	387	15.9	404.9	3.1	1.41
AET32020C	622	17.2	436.4	3.1	1.41
AET32025C	466	17.8	450.9	4.0	1.81
AET32035C	347	18.1	460.5	4.5	2.04
AET32050C	257	18.8	478.0	5.6	2.54



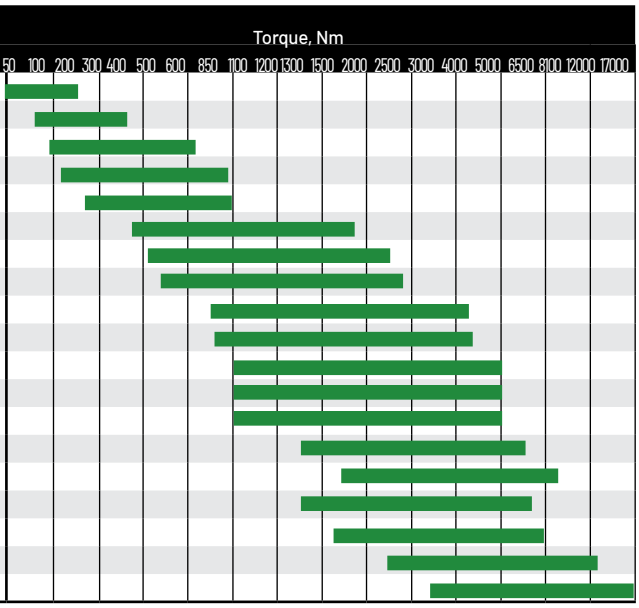
* Torque Range: 128 - 515 Nm
** Torque Range: 159 - 635 Nm

Recommended Torque Range

AcraDyne® HT

High Torque Series

Model Number Ending In	RPM**	Length IN	Length MM	Weight LB	Weight KG
66250B (DL)	315	12.4 - 24.8	314 - 630	9 - 12	3.9 - 5.3
66425B (DL)	165	12.4 - 24.8	314 - 630	9 - 12	3.9 - 5.3
66625B (DL)	106	12.4 - 24.8	314 - 630	9 - 12	4.1 - 5.5
66925B (DL)	72	12.4 - 24.8	314 - 630	9 - 12	4.1 - 5.5
771000B (DL)	65	12.7 - 19.4	324 - 492	13 - 16	5.9 - 7.3
771800BDL	28	18.7	475	7.5	16.5
772500B (DL)	25	14.1 - 20.8	359 - 528	15 - 18	6.8 - 8.2
872800B	9	16 - 17	406 - 430	22	10
884200B1 (DL)	12	410 - 446	16.1 - 17.6	23 - 26	10.4 - 11.8
884200B (DL)	12	410 - 446	16.1 - 17.6	24.5	11.1
885000B1	4.5	16.6 - 17.6	422 - 446	26	11.8
885000B	4.5	16.6 - 17.6	422 - 446	26	11.8
885000BDL	9.3	16.1	410	23	10.4
896500B (DL)	5 - 7	17.2 - 19.7	438 - 499	33 - 36	15 - 16.4
898100B (DL)	5	18.2 - 20.9	462 - 532	33 - 36	15 - 16.4
996500B	5.8	19.5	494	42	19
998100B (DL)	2.3	21.4	544	48	21.8
9X12000B (DL)	2	17.4 - 22.5	441 - 572	70	31.8
9Y17000B (DL)	1	15 - 18	381 - 458	94	42.6

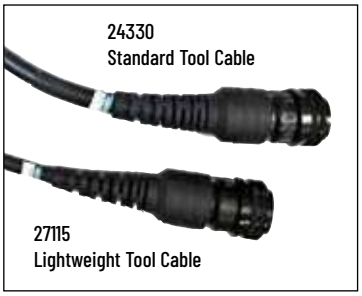


Recommended Torque Range

CABLE ASSEMBLIES

The AcraDyne DC electric nutrunner tool system uses a single cable to carry all necessary conductors for superior ergonomics and durability.

- Flexible polyurethane cover for maximum durability, abrasion and transmission fluid resistant
- Quick disconnects at both ends facilitate tool changeover and troubleshooting
- The CAN data/signal is via RJ45 for products such as the KDM socket tray or computer



24330
Standard Tool Cable

27115
Lightweight Tool Cable

Model	Description	Length M	Length Ft
Tool Cables			
24330	G3/G4 Tool Cable 3M	3	9.8
25350	G3/G4 Tool Cable 5M	5	16.4
24320	G3/G4 Tool Cable 10M	10	32.8
27110	G3/G4 Tool Cable 3M Lightweight*	3	9.8
27115	G3/G4 Tool Cable 5M Lightweight*	5	16.4
27122	G3/G4 Tool Cable 10M Lightweight*	10	32.8
Extensions			
24320	Extension cable 10M	10	32.8
25518	Extension cable 20M	20	65.6

*Lightweight cables are for use only with 1000 & 2000 Series tools.

CABLE ADAPTERS AND CONNECTORS

	Model	Description
Adapters and Connectors		
	26364	G3/G4 Right Angle Cable Adapter
	25491	G3/G4 Breakaway Cable Connector – Ensures disconnect of cable should stress in excess of 40 lbs. occur (see below)
	30355	Y Cable Harness connects G4 iAC controller and controller's I/O to tool's EC/ MCCBL cable. Compatible with UA-40S(D) MC, UA-50S(D)MC, UA-60S(D)MC, UA-70SMC, and UA-150MC tools.

DATA INTERFACE OPTION

	Model	Description
Data Interface Options		
	27348	I/O Wiring Connector – Simple module to facilitate connections to I/O on iEC Controllers
	28292	System Port Cable, USB 2.0 Cable, A Male to B Male, 3M

GEN IV CONTROLLER CHOKE ASSEMBLY

	Model	Description
	32400	Choke filter for the Gen IV Controller Power Cable reduces trip occurrences of sensitive GFCI breakers

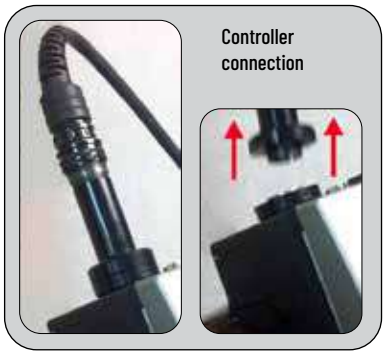
BREAKAWAY CABLE CONNECTOR

Innovative Quick Disconnect Device reduces cable damage from dropping tools or pulling cables when in use.



25491
Breakaway Cable Connector

- Easily snaps into place, using magnetic force, at either the tool or the controller
- Adjust holding force by removing or adding magnets. Max holding force is 40 lbs / 18 kg





LIGHT TOWER



23730

Cost- and energy-efficient LED light tower is visible from any direction, angle, and distance

- Two built-in alarms (FB Type) with selectable sound patterns
- Adjustable Volume (Max. 85 dB at 1 m)
- Tower includes red, yellow, green, blue, and clear lenses

FRL ASSEMBLY KIT

For use with the iAC controller, AcraDyne's FRL assembly kit includes a regulator and solenoid. The kit attaches to the controller or can operate as a stand-alone unit.



Top view



30850 FRL Assembly Kit

ANGLE TOOL BODY JACKETS

Keep tools protected with AIMCO's tool Body Jackets.



Model	Description
BJ10051	For 1000 series angle tools
BJ10052	For 2015, 2025 series angle tools
BJ10053	For 2030, 2040, 2055 series angle tools
BJ10054	For 3060, 3090 series angle tools
BJ10055	For 3120, 3200 series angle tools

SOCKET TRAYS

Socket trays, for use with iEC and UEC Controllers, are supplied with blank socket pucks machined to fit specific sockets for the application. AIMCO provides this machining as an additional service. When ordering, please specify the outer dimensions of the sockets you plan to use, and whether you would like a quote for the machining service.

- Simply remove the assigned socket to select the application to be run
- Quick and easy set up. Parameters assigned to socket position automatically
- Optional self-illuminating socket receptacles
- Delrin® blanks may be easily machined by the customer to accommodate custom socket profiling
- Nothing to break, wear out, or maintain
- Proximity sensors detect presence of socket



AMPST-2-I



AMPST-6-I



AMPST-6S-I

Model	Description
AMPST-2-I	2-Position Socket Tray for iEC Controllers, 2 x 1, 1.25" Socket
AMPST-2-U	2-Position Socket Tray for UEC Controllers, 2 x 1, 1.25" Socket
AMPST-4-I	4-Position Socket Tray for iEC Controllers, 2 x 2, 1.25" Socket
AMPST-4-U	4-Position Socket Tray for UEC Controllers, 2 x 2, 1.25" Socket
AMPST-6S-I	6-Position Socket Tray for iEC Controllers, 6 x 1, 1.25" Socket
AMPST-6S-U	6-Position Socket Tray for UEC Controllers, 6 x 1, 1.25" Socket
AMPST-6-I	6-Position Socket Tray for iEC Controllers, 3 x 2, 1.25" Socket
AMPST-6-U	6-Position Socket Tray for UEC Controllers, 3 x 2, 1.25" Socket
AMPST-8-I	8-Position Socket Tray for iEC Controllers, 4 x 2, 1.25" Socket
AMPST-8-IL	8-Position Socket Tray for iEC Controllers, 4 x 2, 2.0" Socket
AMPST-8-U	8-Position Socket Tray for UEC Controllers, 4 x 2, 1.25" Socket

Socket trays with 6 - 8 positions are available in varied configurations to suit workspace requirements (straight or double rows). Tell your AIMCO representative your specific requirements when inquiring.

BAR CODE SCANNER

Sturdy bar code scanners allow you to easily scan small, stacked, or poorly printed, one-dimensional bar codes. Kit includes a cradle, power supply, and USB/Ethernet cable.



28859
Bluetooth®-Enabled
Scanner Kit



- Scratch proof, tempered glass exit window
- Single-circuit board construction eliminates common interconnection failures
- Industrial long-life charging contacts can withstand 250,000+ insertions into cradle
- Wireless scanner enables users to hold scanner at any angle

Model	Description
20400	RS232 Barcode Reader Kit
28859	RS232 Wireless Barcode Reader Kit

CONTROLLER BRACKETS



20853



27816

Model	Description
20853	Table stand free standing platform
27816	Mounting bracket with internal wireways

TOOL BAILS

- AcraDyne's spring bails are designed for use with any of the AcraDyne 1000, 2000, or 3000 Series tools
- Spring bails snap on quickly and firmly at any place on the body of the tool for perfect balance and secure suspension

	Model	Description
	27791	Rotating Bail Assembly for 1000 Series Tools
	26568	Cable Bail to Hang Tool Vertically for Gen III Cables
	21208	Spring Bail for 2000 Series Tools
	23662	Rotating Bail for 2000 Series Tools
	23575	Rotating Bail for 3000 Series Tools

MOUNTING BRACKETS

	Model	Description
	25717	Mounting Bracket for 1000 Series Angle Tools
	25843	Mounting Bracket for 1000 Series Push-To-Start Tools
	26443	Mounting Bracket for 1000/2000 Series Straight and Pistol Tools
	24924	Mounting Flange for 1000/2000 Series Straight and Pistol Tools
	28622	Mounting Flange for 2000 Series Inline Tools
	30351	Mounting Bracket, Drive End for 2000 Series Inline Tools
	25718	Mounting Bracket for 3000/5000 Series Angle Tools
	26570	Mounting Bracket for 3000/5000 Series Straight Tools
	26394	Mounting Flange for 5000 Series

TOOL STORAGE

Tool baskets and tool hangers are a great way to keep a tool in place when not being used.

UNIVERSAL TOOL BASKET

Interchangeable among angle head and pistol grip tool models throughout the industry.



21226

VERTICAL TOOL HANGER

Designed for AcraDyne Gen 1/Gen 2 tools.



21159

AcraDyne Cordless AB Series
INNOVATIVE TOOLS IN A POWERFUL PACKAGE

AcraDyne's high-performance cordless tools deliver precise torque and/or angle to the fastener. Innovative technology guarantees repeatable torque results every time, ensuring you meet your most important goal — creating quality products. The tools are available in two model types:



1 AB-MTA
Clutch Shut-Off Tool

Measures Torque and Reports Angle

2 AB-CTA
Transducer Shut-Off Tool

Controls Torque and Angle

FEATURES AND BENEFITS OF ALL AB TOOLS

- Self-Controlling Tools
  Can run stand alone or in conjunction with an iBC ACE Platform controller as a line interface (see page 9)
- Tool programming done with no-cost AcraDyne Tool Manager software using USB cable interface to PC
- Selectable vibration alarm provides tactile feedback
- 99 programs with 6 steps per program available
- Job functionality for sequencing and/or bolt counting
- Programmable
  - Torque
  - Angle
  - RPM
  - Time
  - Fastening direction
- Multicolor LED status screen
- 150,000 results stored on-board

TORQUE RANGES

AB-MTA

- Pistol Tool: 1.0 – 12 Nm
- Straight Tool: 1.0 – 12 Nm
- Angle Tool: 2.5 – 85 Nm

AB-CTA

- Pistol Tool: 1.5 – 5,000 Nm*
- Straight Tool: 1.5 –12 Nm
- Angle Tool: 1.5 – 120 Nm*

** Torque ranges for pistol & angle tools include Ultra Torque models on page 49*

AB-MTA Series Clutch Shut-Off Tool

Measures Torque and Reports Angle



The AB-MTA Series controls torque to the fastener with a precision Clutch Shut-Off mechanism. This technology increases productivity by allowing the tool to run at higher speeds and with minimal overshoot. The highly accurate clutch reduces torque reaction transmitted to the operator through its speed of shut-off at the moment reaction forces are generated.

AcraDyne Cordless AB-MTA Series Tools

Model	Torque Range NM	Torque Range FT-LB	Max Speed RPM	Drive Type	Weight W/O Battery KG	Weight W/O Battery LB	Tool Dimensions A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM
Pistol														
ABP-MTA06(Q)(WQ)(BQ)(WBQ)	1.0 – 6	0.8 – 4.4	1,100	1/4" QC	1.25	2.75	9.1	230	1.02	26	8.56	218	4.5	115
ABP-MTA12(Q)(WQ)(BQ)(WBQ)	2.3 – 12	1.7 – 8.9	629	1/4" QC	1.25	2.75	9.1	230	1.02	26	8.56	218	4.5	115
Straight														
ABS-MTA06(Q)(WQ)(BQ)(WBQ)	1.0 – 6	0.8 – 4.4	1,100	1/4" QC	1.0	2.2	17.2	437	3.19	81	0.79	20	4.5	115
ABS-MTA12(Q)(WQ)(BQ)(WBQ)	2.3 – 12	1.7 – 8.9	629	1/4" QC	1.1	2.4	17.2	437	3.19	81	0.79	20	4.5	115
Angle														
ABN-MTA10(W)(B)(WB)	2.5 – 10	1.9 – 7.4	629	3/8" Sq.	1.35	3.0	17.9	455	3.94	100	1.12	29	4.5	115
ABN-MTA55(W)(WB)	13 – 55	9.6 – 40.6	94	3/8" Sq.	2.7	6.0	22.5	572	7.7	196	1.65	42	4.5	115
ABN-MTA85(W)(B)(WB)	23 – 85	17 – 63	70	3/8" Sq.	2.9	6.4	25.9	658	10.2	259	1.8	46	4.5	115

W = WiFi option B = Barcode option Q = Quick Change



For simple adjustment, the MTA series provides easy clutch access.

CTA Series Transducer Shut-Off Tool

Controls Torque and Angle

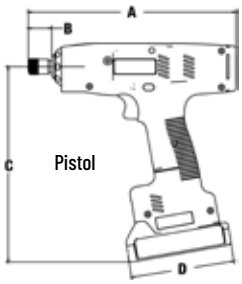


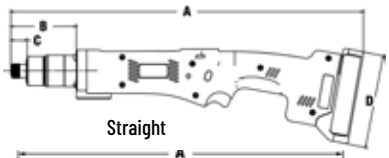
The AB-CTA Series provides the most sophisticated option in the AcraDyne cordless tool line. The Transducer Shut-Off means precise torque measurement with high accuracy and traceable results. Transducer shut-off allows speed adjustment and provides the ability to reject conditions such as cross threads and double hits on a fastener.

AcraDyne Cordless AB-CTA Series Tools

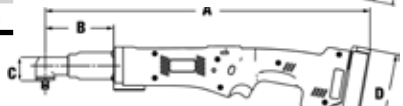
Model	Torque Range NM	Torque Range FT-LB	Max Speed RPM	Sq. Dr. IN	Weight W/O Battery KG	Weight W/O Battery LB	Tool Dimensions A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM
Pistol														
ABP-CTA12(Q)(WQ)(WBQ)	1.5 - 12	1.1 - 8.9	629	1/4" QC	1.15	2.5	9.1	230	1.02	26	8.56	218	4.5	115
For 120 — 5,000 Nm Pistol Tools, see Ultra Torque models on page 49														
Straight														
ABS-CTA12(WQ)	1.5 - 12	1.1 - 8.9	570	1/4" QC	0.95	2.1	17.2	437	3.19	81	0.79	20	4.5	115
Angle														
ABN-CTA10(W)(B)(WB)	1.5 - 10	1.1 - 7.4	570	1/4" Sq.	1.35	3.0	17.9	455	3.94	100	1.12	29	4.5	115
ABN-CTA12(W)(B)(WB)	2.5 - 12	1.8 - 8.9	420	3/8" Sq	1.4	3.1	18.1	461	4.14	105	1.29	33	4.5	115
ABN-CTA20(W)(B)(WB)	5 - 20	3.7 - 14.8	300	3/8" Sq.	1.2	2.6	18.1	461	4.14	105	1.29	33	4.5	115
ABN-CTA30(W)(B)(WB)	8 - 30	5.9 - 22.1	170	3/8" Sq.	1.2	2.6	21.6	547	7	179	1.65	42	4.5	115
ABN-CTA55(W)(B)(WB)	15 - 55	11.1 - 40.6	90	3/8" Sq.	1.4	3.1	23.1	587	8.61	219	1.65	42	4.5	115
ABN-CTA85(W)(B)(WB)	20 - 85	14.8 - 62.7	60	1/2" Sq.	2.9	6.4	25.9	658	11.4	290	1.91	49	4.5	115
ABN-CTA120(W)(B)(WB)	35 - 120	25.8 - 88.5	50	1/2" Sq.	3.1	6.8	28.4	720	13.9	352	2.81	71	4.5	115

W = WiFi option B = Barcode option Q = Quick Change

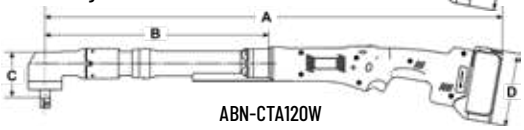




Straight



Angle, 1.5 – 85 Nm



ABN-CTA120W

Tubenut models also available. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



Ultra Torque AB-CTA Series

Unmatched Accuracy for Higher-Torque Applications

FEATURES AND BENEFITS

- Transducerized for precise delivery of torque and angle to the fastener
- Usable stand-alone or with AcraDyne iBC series Controller for line controls and/or data integration with QMS systems
- Sophisticated control set with AcraDyne Tool Manager program with 99 PSETS available
- Operator feedback with OLED screen, audible and tactile feedback
- Wide variety of strategies, including:
  - Torque, Angle, Torque Plus Turn, Torque Minus Turn
- Standard Offset, Deep Offset, and Flat Reaction Bars available. Custom reaction bars available by request
- Tool supplied with one battery (P/N AB-B1850LI), see page 50 and standard reaction bar. Charger (see page 50) is purchased separately:
  - AB-C18110 (120VAC) Charger or
  - AB-C18220 (220VAC) Charger



ABP-CTA950

ABP-CTA3000W





AB-C18110
Battery Charger

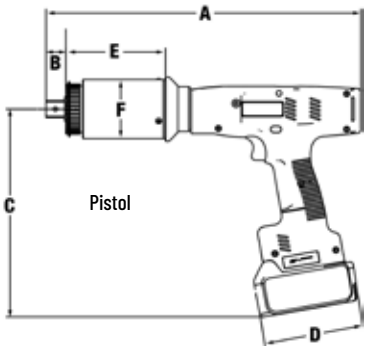


AB-B1850LI
Battery

AcraDyne Cordless ABP-CTA Ultra Torque Series Tools

Model	Max Torque NM	Max Torque FT-LB	Max Speed RPM	Sq. Dr. IN	Weight W/O Battery KG	Weight W/O Battery LB	Tool Dimensions A IN	A MM	B IN	B MM	C IN	C MM	D IN	D MM	E IN	E MM	F IN	F MM
Pistol																		
ABP-CTA120W	120	89	68	3/4"	3.7	8.04	14.1	358	0.89	23	9.3	236	4.5	115	4.5	113	2.65	67
ABP-CTA250W	250	185	27	3/4"	3.7	8.04	14.1	358	0.89	23	9.3	236	4.5	115	4.5	113	2.65	67
ABP-CTA450W	450	332	14	3/4"	3.7	8.04	14.1	358	0.89	23	9.3	236	4.5	115	4.5	113	2.65	67
ABP-CTA650W	650	480	9.4	3/4"	3.7	8.04	14.1	358	0.89	23	9.3	236	4.5	115	4.5	113	2.65	67
ABP-CTA950(W)	950	700	6.4	3/4"	3.7	8.04	14.1	358	0.89	23	9.3	236	4.5	115	4.5	113	2.65	67
ABP-CTA1400W	1,400	1,000	4	1"	4	8.85	14.5	369	1.19	30	9.3	236	4.5	115	4.6	117	3.05	78
ABP-CTA3000W	3,000	2,200	2.1	1"	5.6	12.31	16.0	406	1.19	30	9.3	236	4.5	115	6.0	153	3.05	78
ABP-CTA5000(W)	5,000	3,688	1.3	1"	7.9	17.4	17.7	449	1.19	30	9.3	236	4.5	115	7.1	181	3.59	91

W = WiFi option B = Barcode option Q = Quick Change



Pistol

Batteries & Chargers

BATTERIES

- Li-Ion for best energy density
- Deep-discharge protection prevents battery failure
- All AB models utilize the same battery connection and chargers
- Batteries available in 2.5 Ah or 5.5 Ah



AB-B1825LI



AB-B1850LI

Battery Model #	Voltage	Type	Capacity	Weight
AB-B1825LI	18V	Li-Ion	2.5 Ah	.8 Lb/.35 kg
AB-B1850LI	18V	Li-Ion	5.0 Ah	1.3 Lb/.6 kg


AB-C18110

BATTERY CHARGERS

- Battery defect detection
- Microprocessor-controlled charging: Charging time is dependent on the capacity of the battery
- Reverse polarity protection
- Automatic battery voltage detection
- Multi-bay charger includes battery adapters
- All AB models use the same batteries and chargers

Model	Description	Output	Input	Charging Time	Dimensions (W/O Battery)	Weight
AB-C18110	Quick-charge unit for 110V	14.4V – 18V, 3.0A	110VAC, 50-60Hz	Max 55 min for 2.5 Ah battery	3.39" (W) x 4.21" (H) x 6.02" (D) 86 mm (W) x 107 mm (H) x 153 mm (D)	1.2 Lb/.55 kg
AB-C18220	Quick-charge unit for 220V	14.4V – 18V, 3.0A	220-240VAC, 50-60Hz	Max 55 min for 2.5 Ah battery	3.39" (W) x 4.21" (H) x 6.02" (D) 86 mm (W) x 107 mm (H) x 153 mm (D)	1.2 Lb/.55 kg


AB-PCOLRING

COLOR INDEX RINGS

Colored rings on AB Series tools make it easy to determine tool torque with a quick glance. Set comes with four colors: blue, yellow, red, and silver.

SUSPENSION BAIL

Bails attach to tool body for perfect balance and secure suspension.


AB-PBAIL



MULTIPLE NUTRUNNING SYSTEMS

AIMCO can integrate the AcraDyne tool spindle into a customized Multiple Nutrunning system. From simple systems vertically suspended above the part, to assembly stations that integrate with your line, AIMCO can effectively accommodate your project.

LET US KNOW YOUR REQUIREMENTS AND WE WILL PROPOSE A SOLUTION TAILORED TO YOUR NEEDS.







FEATURES AND BENEFITS

- Nutrunner sequencing - Allows nutrunners to be sequenced at each phase of the tightening process, providing even distribution of torque and load to each fastener. This prevents part damage and distortion
- Snug threshold, final torque in one pass - No need for multiple torque stage sequencing. Fixtured nutrunners save time and effort
- No missed fasteners - Multiple nutrunners have a spindle dedicated to each location, ensuring quality on every rundown on every bolt
- Better residual torques - Synchronized controlled fastening allows residual torque levels to be consistent with the dynamic torque specification
- Saving in cycle time - Compared to using a single nutrunner tool with many rundowns, running all fasteners simultaneously reduces in-station cycle time
- Cost saving benefits - Saving installation cycle time frees operators to handle additional tasks and potentially reduce labor costs
- Collect data — Most common methods of collecting data for quality control and statistical analysis can be implemented from a serial data string using RS232 to formatted data from a network database

INDUSTRY APPLICATIONS

- Harvester chain-pull assembly, 2-spindle
- Engine flywheel assembly, 3-spindle
- Wheel lug nut assembly, 4-spindle
- Axle u-bolt assembly, 4-spindle
- Gasoline generator assembly, 6-spindle
- Lawn mower motor assembly, 7-spindle
- Air-cooled small vehicle engine assembly, 10-spindle

AIMCO
WWW.AIMCO-GLOBAL.COM

AIMCO can provide customized tooling solutions for even the most unique applications. Let us propose a solution tailored to your needs. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.





AAP1B66600A



AAP1B76950A



AAP1B772000A



AAP1B885100A

FEATURES AND BENEFITS

AcraDyne's High Torque Pneumatic Bolting Tools offer a reliable and dependable solution for the installation and removal of heavy-duty fasteners. Appropriate for use in industries requiring high torque capability, accuracy, power, and safety.

- Modular design allows for ease of maintenance
- Interchangeable motors and gearing
- Same proven and reliable gearbox as the AcraDyne DC line
- One-hand reverse



AcraDyne® A Division of AIMCO HT

AAP1B Series Tools

Model	Torque (NM)	Torque (FT-LB)	Speed (RPM)	Weight (LB)	Square Dr. (IN)	Air Consumption (CFM)
AAP1B66850A	850	625	27	9.75	3/4	22.9
AAP1B771350A	1,350	1,000	22	10.4	1	26.3
AAP1B772950A	2,950	2,175	9	14.9	1	26.3
AAP1B885100A	5,100	3,775	8	23	1-1/2	31.5

AIR PREPARATION UNITS

Many stacking filter/regulator combinations are available. See page 55 for options.



AFRL-4

Maximum allowable Input Pressure not to exceed 120 PSI.



AFRL-4HTA
Standalone Unit

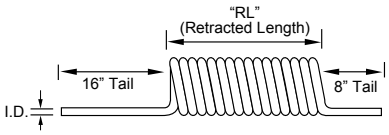
28178
HT Air Tool/AFRL
Carrying Kit



Polyurethane Hose for HT Tools



- Durable Polyurethane is chemical resistant and lightweight, and provides excellent recoil memory and maximum flexibility
- Available in transparent hose color (opaque also available)
- Assemblies for coiled hose include reusable swivel fitting. Straight hose available with or without fittings
- Working temperature: –104° F to 175° F
- Working pressure: 100 PSI



Single Air Hose Assemblies (Coiled)

Model	Description (O.D. x I.D. x Length)	Retracted Length	Npt Fittings
ASH-500C-15MSZ	3/4" x 1/2" x 15'	13"	1/2"
ASH-500C-25MSZ	3/4" x 1/2" x 25'	23"	1/2"

Custom length coil assemblies and special colors available in minimum order quantities. Contact an AIMCO Customer Service Associate, 1-503-254-6600, or toll free 1-800-852-1368.



Straight Air Hose (Sold Per Foot)

MODEL	DESCRIPTION
ASH-500Z	1/2" I.D.

Contact an AIMCO Customer Service Associate about full reel pricing, 1-503-254-6600, or toll free 1-800-852-1368.

Rubber Hose for HT Tools



- Designed for use in a wide range of industrial, construction, and agricultural applications
- Constructed of high grade, reinforced EPDM synthetic rubber
- Working temperature: –40° F to 190° F

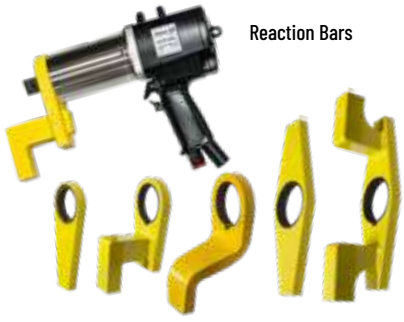
Single Air Hose (Rubber)

I.D.	O.D.	Length	Working Pressure	Weight
1/2"	0.81"	10 ft	200 psi	2.0 lb
5/8"	0.97"	10 ft	200 psi	2.7 lb
3/4"	1.12"	10 ft	200 psi	3.4 lb

Custom lengths available. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.

REACTION BARS

Tool includes standard, spline attachment reaction device. Custom reaction devices are available; contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



Air Line Fittings



Plugs

Model	Description
28161	1/2" x 1/4" MPT
28162	1/2" x 3/8" MPT
28163	1/2" x 1/2" MPT
28164	1/2" x 1/2" FPT



Quick-Change Couplers

Model	Description
27768	1/2" FPT
27769	1/2" MPT



Protective Coupler

Model	Description
27771	Vinyl



Swivel Fitting

Model	Capacity
500-SZ	1/2" NPT Swivel Fitting

AFRL STACKING FILTER/REGULATORS

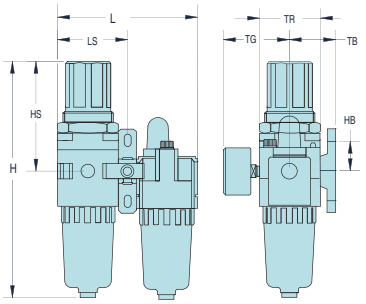
Stacking filter/regulator combinations provide air filtration and precise regulation in a single unit for easy mounting and installation.

FEATURES AND BENEFITS

- All models include L-mount bracket, gauge, and metal bowl shields
- Polycarbonate filter and lubricator bowls (metal bowls standard on AFRL-8)
- 25-micron filter included on all models
- Regulating range: 7 – 125 PSI
- Custom order upgrade items include metal bowl, 5 micron filter, semi-automatic filter drain, and reduced PSI range regulator. Contact an AIMCO Customer Service Associate for more information, 1-503-254-6600, or toll free 1-800-852-1368
- Maximum allowable Input Pressure not to exceed 120 PSI

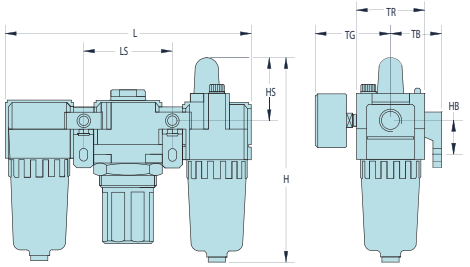


AFRL-2-C
AFRL-3-C





AFRL-3
AFRL-4
AFRL-8





28178
HT Air Tool/AFRL
Carrying Kit

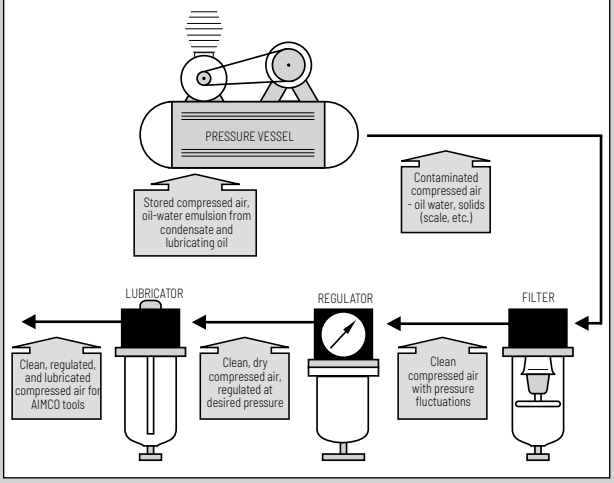


AFRL-4HTA
Standalone Unit

AFRL Stacking Filter/Regulators

Model	Port	Gauge Port	Flow Rate CFM	Flow Rate L/MIN	Bowl Shield	H IN/MM	HB IN/MM	HS IN/MM	L IN/MM	LS IN/MM	TB IN/MM	TG IN/MM	TR IN/MM
AFRL-2	1/4"	1/8"	70	2,000	yes	6.16 (156.5)	1.39 (35.3)	1.50 (38.1)	7.13 (181.1)	2.52 (64.0)	1.61 (41.0)	2.39 (60.7)	2.09 (53.1)
AFRL-2-C	1/4"	1/8"	60	1,700	yes	8.31 (211.1)	1.38 (35.1)	3.64 (92.5)	4.61 (117.1)	2.30 (58.4)	1.61 (40.9)	2.39 (60.7)	2.09 (53.1)
AFRL-3	3/8"	1/4"	140	4,000	yes	7.54 (191.5)	1.57 (40.0)	1.61 (40.9)	9.37 (238.0)	3.31 (84.1)	1.97 (50.0)	2.58 (65.5)	2.76 (70.1)
AFRL-3-C	3/8"	1/4"	105	3,000	yes	10.31 (261.9)	1.57 (39.9)	4.41 (112.0)	6.06 (153.9)	3.03 (77.0)	1.97 (50.0)	2.58 (65.5)	2.76 (70.1)
AFRL-4	1/2"	1/4"	140	4,000	yes	7.54 (191.5)	1.57 (40.0)	1.61 (40.9)	9.37 (238.0)	3.31 (84.1)	1.97 (50.0)	2.58 (65.5)	2.76 (70.1)
AFRL-8	1"	1/4"	180	5,000	yes	10.69 (271.5)	1.97 (50.0)	1.89 (48.0)	11.81 (300.0)	4.13 (104.9)	2.75 (69.9)	2.97 (75.4)	3.54 (89.9)

Air Preparation Units: Basic Functions



The supply of clean, dry air is essential to the operation of pneumatic powered tools. Use only clean filtered air for longer tool life. Provide proper airflow (CFM) and regulate air pressure (PSI) for optimum performance.

To determine unit size for application, you need to know:

- Total air flow (CFM) required for application
- Size of incoming air line and size of air line required by tool
- Air supply pressure (PSI)
- Allowable pressure drop
- Does the application require lubrication?
- Does the overall system have the required capacity?

ERGO ARMS



Versatile Ergo Arms Absorb Torque Reaction while Perfectly Balancing Tool Weight

AIMCO's Parallel Ergo Arms reduce operator fatigue for electric and pneumatic tools. The durable, lightweight construction provides minimal resistance and low inertia during high-cycle use. The adjustable height, length, and elbowed joint increases accessibility with minimal travel to the fastening application.

Tools recommended for use with this arm:

- AcraDyne 1000 and 2000 Series
- Uryu LT Series Pneumatic Screwdrivers
- Electra Electric Screwdrivers
- Inline Tools

FEATURES AND BENEFITS

- Allows for freedom of movement
- Vertical adjustment eliminates cross-threading
- Fixtured tool increases repeatability
- Adjustable reach

Parallel Ergo Arms

Model	Arm Style	Tool Mount	Reach IN	Reach MM	Capacity LB	Capacity KG	Maximum Torque* IN-LB	Maximum Torque* NM
OIL CYLINDER								
AD-D1098-P	Parallel	Air manifold	4 - 33	102 - 838	0 - 15	0 - 7	110	12

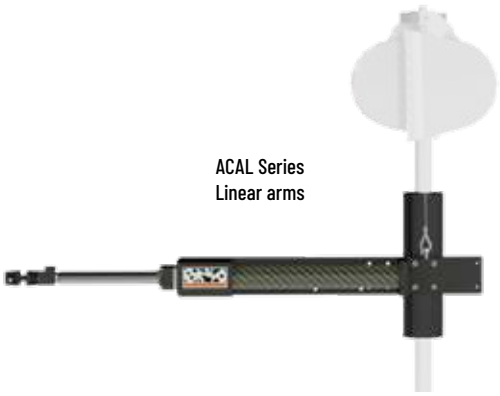
* Max torque allowed may be dependent on tool clutch type and joint rate

ACA SERIES TELESCOPING CARBON ARMS

Telescoping Carbon Arms



ACA Series Carbon Arms are lightweight, yet strong devices designed to absorb torque reactive forces. Highly flexible and modular, they adapt to a wide range of tools, and eliminate hazards to operators during fastening processes.

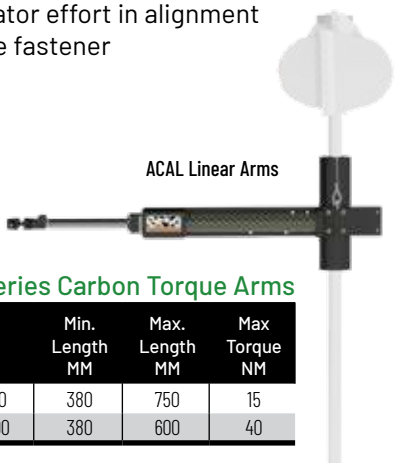


Tools recommended for use with this arm:

- Continuous Drive Electric and Pneumatic Tools
- Pulse Tools
- Screwdrivers

FEATURES AND BENEFITS

- Absorb torque reaction from continuous drive tools
- Counter balance tool weight when configured with AIMCO's wide array of tool balancers or with integrated balancer kits
- Orient tool correctly to the workpiece to improve efficiency and reduce operator effort in alignment to the fastener



ACAL Series Carbon Torque Arms

Model	Min. Length MM	Max. Length MM	Max Torque NM
ACAL-15-600	380	750	15
ACAL-40-600	380	600	40



ACA Series Carbon Torque Arms

Model	Min. Length MM	Max. Length MM	Max Torque NM
ACA10-1000	495	1,105	10
ACA10-1500	665	1,605	10
ACA15-1000	486	1,066	15
ACA15-1500	646	1,556	15
ACA15-2000	806	2,046	15
ACA40-1000	486	1,066	40
ACA40-1500	646	1,556	40
ACA40-2000	806	2,046	40
ACA40-2500	986	2,576	40
ACA80-1500	658	1,586	80
ACA80-2000	828	2,078	80
ACA80-2500	998	2,588	80
ACA150-1500	668	1,578	150
ACA150-2000	838	1,918	150
ACA150-2500	1003	2,248	150
ACA220-1500	668	1,578	220
ACA220-2000	838	2,088	220
ACA220-2500	1,003	2,588	220



ACA-V Series Carbon Torque Arms

Model	Min. Length MM	Max. Length MM	Max Torque NM
ACA-V15-1000	777	1,345	15
ACA-V15-1500	937	1,835	15
ACA-V15-2000	1,097	2,325	15
ACA-V40-1000	777	1,345	40
ACA-V40-1500	937	1,835	40
ACA-V40-2000	1,097	2,325	40
ACA-V40-2500K	1,277	2,855	40
ACA-V80-1500	949	1,865	80
ACA-V80-2000	1,119	2,357	80
ACA-V80-2500	1,289	2,867	80
ACA-V150-1500	960	1,957.5	150
ACA-V150-2000	1,129	2,357	150
ACA-V150-2500	1,294	2,862	150
ACA-V220-1500	960	1,957.5	220
ACA-V220-2000	1,129	2,357	220
ACA-V220-2500	1,294	2,867	220

ACA-P2 CARBON SMART ARM



ACA-P2 Series Carbon Torque Smart Arm w/X,Y Axis Encoders

(Requires ACA-POSIX System or AcraDyne's Gen IV Smart Arm System)

Model	Min. Length MM	Max. Length MM	Max Torque NM
ACA-P215-1000	647	1,227	15
ACA-P215-1500	803	1,713	15
ACA-P215-2000	977	2,227	15
ACA-P240-1000	647	1,227	40
ACA-P240-1500	803	1,713	40
ACA-P240-2000	977	2,227	40
ACA-P240-2500	1,157	2,737	40
ACA-P280-1500	830	1,757	80
ACA-P280-2000	1,000	2,249	80
ACA-P280-2500	1,169	2,760	80
ACA-P2150-1500	839	1,749	150
ACA-P2150-2000	1,009	2,087	150
ACA-P2150-2500	1,174	2,419	150
ACA-P2220-1500	839	1,749	220
ACA-P2220-2000	1,009	2,259	220
ACA-P2220-2500	1,174	2,760	220



ACA Series Balancer Kits

Model	Min. Capacity KG	Max. Capacity KG
For ACA-P2 Smart Arms		
ACA-P2BK-4	2	4
ACA-P2BK-6	4	6
ACA-P2BK-8	6	8
ACA-P2BK-10	8	10
ACA-P2BK-14	10	14
For ACAL Linear Arms		
ACAL-BK2.4-5.2	2.4	5.2

Encoder Options for ACA-P2 Smart Arm

Acradyne Gen IV Smart Arm System With Process Visualization

AcraDyne's Gen IV controller with smart arm capability and process visualization provides an advanced error-proofing solution to ensure the quality of your fastening operation. The capability is integrated into the Gen IV controller — no need for an external PC or software. See page 13 for more details.



FEATURES AND BENEFITS

- Easy to follow visual guidance directly on the Gen IV controller graphical screen
- Easy to program and set up
- Low cost solution vs. competitive offerings
- Modular – can be added at any time to an existing AcraDyne system using the Gen IV controller

ACA-POSIX Positioning System

The compact, self-contained ACA-Posix process visualization system guides operators through their assigned tasks. It connects to ACA-P2 series arms with integrated balancer kits.



FEATURES AND BENEFITS

- Intuitive and simple programming on 7" color LCD touch-screen display
- Store up to 500 unique assembly sequences
- Communicates directly with Power Tool controllers over digital I/O
- Store and display product images or CAD drawings. Images/drawings are displayed with targeting sequences to direct operators easily through their task
- Output for synchronizing with line controls

TOOL HOLDERS FOR TELESCOPING CARBON ARMS

Tool Holders For Acradyne Tools

Model	Description
ACAH-40PS1000	Tool holder for carbon fiber arm, AcraDyne 1000 series pistol/straight tools, 40 Nm
ACAH-80PS3-5000	Tool holder for carbon fiber arm, AcraDyne 3000/5000 series pistol/straight tools, 80 Nm
ACAH-150PS3-5000	Tool holder for carbon fiber arm, AcraDyne 3000/5000 series pistol/straight tools, 150 Nm



General Tool Holders

	Model	Description	Min. Tool Grip MM	Max. Tool Grip MM
For Telescopic Arms				
Base Tool Holders				
	ACAH-15	Base tool holder 4 screws	27	45
	ACAH-40-80	Base tool holder 4 screws	30	60
	ACAH-150-220	Base tool holder 4 screws	40	70
Multi-Position Tool Holders				
	ACAH-15-MPE2745	Multi-position tool holder interface	27	45
	ACAH-150220-MPE4070	Multi position tool holder	40	70
	ACAH-4080-MPE2745	Multi-position tool holder	27	45
Swivel Tool Holders				
	ACAH-S154080	Swivel tool holder 20 to 35 mm	20	35
	ACAH-SL15150	Swivel tool holder 40 to 55 mm	40	55











ACTT & ACPTT SERIES CARBON TORQUE TUBES



ACPTT Series
Anti-Rotation Torque Tube
with articulation support

ACTT Series
Anti-Rotation Torque Tube

Carbon Torque Tubes Are Universal Arms With an Exclusive Design For Maximum Tightening Flexibility

ACCT and ACPTT series carbon torque tubes provide smooth and accurate tool travel from bearing splined shaft construction. These sturdy arms are available in torque ranges of 15 – 80 Nm. They can be used with a variety of tool holders.

Tools recommended for use with this arm:

- Continuous Drive Electric and Pneumatic Tools
- Pulse Tools



ACTT-V40-850 300

ACTT Series Carbon Torque Tubes

Model	Min. Length Mm	Max. Length MM	Max Torque NM
ACTT-V15-600 150	150	600	15
ACTT-V15-800 300	300	800	15
ACTT-V40-600 150	150	600	40
ACTT-V40-850 300	300	850	40
ACTT-V40-1500 600	600	1,500	40
ACTT-V80-900 300	300	900	80
ACTT-V80-1500 600	600	1,500	80
ACTT-V80-2100 900	900	2,100	80

FEATURES AND BENEFITS

- Universal arm with an exclusive design for maximum tightening flexibility
- Provides articulated anti-rotation support when torque reaction is parallel to arm axis

ACPTT SERIES CARBON TORQUE TUBES FOR ACSA ARTICULATING SUPPORT ARMS

ACPTT TORQUE TUBES



ACPTT Series Torque Tube

FEATURES AND BENEFITS

- ACPTT arm designed for use with the ACSA articulating support arm
- ACPTT carbon torque tube provides articulated anti-rotation support when torque reaction is parallel to arm axis
- The ACPTT/ACSA articulating support arm system allows torque reaction arm installation when the workplace can't accommodate suspended overhead structures

ACPTT Torque Tubes

Model	Min. Length MM	Max. Length MM	Max Torque NM
ACPTT-V15-510 150	150	600	15
ACPTT-V15-710 300	300	800	15
ACPTT-V40-510 150	150	600	40
ACPTT-V40-760 300	300	850	40
ACPTT-V40-1410 600	600	1,500	40
ACPTT-V80-810 300	300	900	80
ACPTT-V80-1410 600	600	1,500	80

ACSA ARTICULATING SUPPORT ARM



* Support arm, torque tube, balancer, tool holder, and tool shown for concept.

Items sold separately

ACSA Articulating Support Arms

Model	Max Reach MM	Max Height MM	Max Torque NM
ACSA-600-1500	600	1,500	80
ACSA-800-1500	800	1,500	80
ACSA-1000-1500	1,000	1,500	80



Straight



Angle



Angle with Swivel

ACAHTT Tool Holders For ACTT & ACPTT Anti-Rotation Carbon Arms

Model	Description	Min. Tool Grip MM	Max. Tool Grip MM
ACAHTT-15A-3060	Angle Tool Holder, 15 Nm Arm	30	60
ACAHTT-15S-2745	Straight Tool Holder, 15 Nm Arm	27	45
ACAHTT-4080A-3165	Angle Tool Holder, 40/80 Nm Arms	31	65
ACAHTT-4080ASL-3165	Angle Tool Holder with Swivel, 40/80 Nm Arms	31	5
ACAHTT-40S-2745	Straight Tool Holder, 40/80 Nm Arms	27	45



ACTT Series Balancer Kit

Model	Min. Capacity KG	Max. Capacity KG
ACTT-BK46	4	6

GCI ARTICULATING TORQUE ARMS



Rugged Flexibility for Even the Most Complex Torque Applications

Constructed of durable aluminum, steel, or carbon fiber, GCI Torque Arms are available with multiple tool mounting options for application specifics. These highly ergonomic and user friendly arms are available in torque ranges of 150 Nm to 7,500 Nm and with reaches ranging up to 20 ft.

GCI arms can be designed as Smart Arms with two encoder options: PC-based AdaptiCS software (see page 64) and AcraDyne's Gen IV smart arm system with process visualization (see page 13). This complete Smart Arm system error-proofs even the most complex torque applications.

Tools recommended for use with this arm:

- AcraDyne 3000 – 9000 Series HT tools
- Angle (AEN 5000 series only)
- Straight (AES)
- Axial (AEJ)
- Pistol (AEP)
- Fixtured (AEF)

FEATURES AND BENEFITS

- Available in aluminum, steel, or carbon fiber
- Configurable installation: floor mount, wall mount, overhead mount, bench mount, or portable base
- Braking options: manual/automatic, discrete braking with verification, parking brakes, and electric/pneumatic actuation
- Tool holding options: fixed position, gimbal mount
- Integrated tool start/brake actuation capability: tool trigger start, remote tool start
- Smart Arm Capabilities:
  - Available with as many as six encoders to monitor all desirable tool positions relative to application
  - Two encoder options:
    - ➤ AcraDyne Gen IV Smart Arm System with Process Visualization (see page 13)
    - ➤ AdaptiCS PC-based software that runs on an integrated industrial PC or on a customer supplied PC (see page 64)



IP Series Arm



Carbon Fiber Arm



Rugged tablet PC option for Smart Arm

GCI Torque Reaction Arms

Model	Max. Torque	Max. Tool Weight	Max. Reach	Max. Vertical Travel	Construction
IPT Series - Torques to 375 Nm					
IPT150	150 Nm	12 lb	5 ft	30 in	Aluminum
IPT375	375 Nm	50 lb	6 ft	36 in	Steel
IP Series - Torques to 4,000 Nm					
IP4	550 Nm	30 lb	8 ft	48 in	Steel
IP5	1,000 Nm	50 lb	12 ft	60 in	Steel
IP7	3,000 Nm	100 lb	12 ft	60 in	Steel
IP8T	4,000 Nm	100 lb	12 ft	72 in	Steel
F Series - Carbon Fiber Arms					
F70	70 Nm	10 lb	3 ft	18 in	Carbon Fiber Composite
F600	600 Nm	50 lb	20 ft	72 in	Carbon Fiber Composite
F1500	1,500 Nm	50 lb	20 ft	72 in	Carbon Fiber Composite
F3000	3,000 Nm	75 lb	20 ft	72 in	Carbon Fiber Composite
F7500	7,500 Nm	75 lb	12 ft	72 in	Carbon Fiber Composite

GCI ARM OPTIONS



Remote starts

Parking brake and main rotation stops





Tool sleeve

Discrete brake tooling rotation



Additional Smart Arm Features



Discrete brake end rotation with encoder

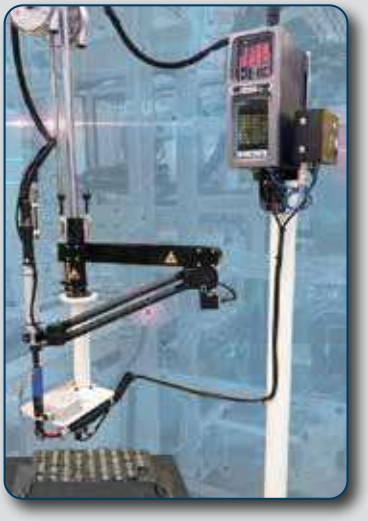
Encoded tool sleeve



Encoder Options for GCI Smart Arms

AcraDyne Gen IV Smart Arm System with Process Visualization

AcraDyne's Gen IV controller with smart arm capability and process visualization provides an advanced error-proofing solution to ensure the quality of your fastening operation. The capability is integrated into the Gen IV controller — no need for an external PC or software. See page 13 for more details.



FEATURES AND BENEFITS

- Easy to follow visual guidance directly on the Gen IV controller graphical screen
- Easy to program and set up
- Low cost solution vs. competitive offerings
- Modular – can be added at any time to an existing AcraDyne system using the Gen IV controller

AdaptiCS Software

Intuitive, user-friendly AdaptiCS PC-based software that runs on an integrated industrial PC or on a customer supplied PC. Smart arms guide the operator in programmable torque patterns and count fasteners required for correct assembly.



FEATURES AND BENEFITS

- Batch count capabilities
- Bidirectional arm articulation tracking
- Full torque/angle results display
- Integrates into any line control (PLC, MES, etc.)
- Multiple part locate strategies (1-point, 2-point, 3-point)
- Multiple rework strategies to fit requirements
- Fully programmable dynamic display with integrated PC option
- Integrates devices such as torque controllers via open protocol, encoded GCI torque reaction arms, scanners, vision cameras, and digital IO (pass/fail)
- AdaptiCS Enterprise (optional) provides full line control, interlocks, and data collection
- Runs on Windows 7, 8, and 10

3arm ZERO GRAVITY ARMS





Strong and Dependable, 3arm Ergonomic Arms Provide Full Range of Motion to Complete any Task Efficiently and Safely

Designed to keep tools and devices weightless even in difficult positions and working areas, 3arms are available with more than 29 head configurations. Add in various available accessories, and the arms can be fixed in almost any position. More than 1,000 standard combinations are available, as well as customized solutions.

Tools recommended for use with this arm:

- Tools that have sufficient mass for counter balancing and where overhead suspension is not an option

FEATURES AND BENEFITS

- Eases use of larger, higher weight tools, eliminating the hazards of operators having to physically carry the loads.
- Durable closed-case design absorbs considerable force
- Eliminates tool weight, providing not only an ergonomic benefit, but also increasing productivity
- Reduces operator fatigue and the chance of injury due to strain
- Holds any tool up to 77 lbs, keeping the tool weightless, while eliminating possible damage caused by dropping the tool
- Can be base-mounted, ceiling-mounted, or wall-mounted. Easily add precision reach by applying a rail, make it mobile with a trolley, or adding vertical reach with a mounting column
- Available with tool trigger braking. Effortlessly position the tool, stop it in place, release trigger, and float it to the next job



3arm Series 1





Light and nimble, capable of reaching even the most difficult applications.

Reach	Max Weight
Vertical: 44 in Horizontal: 42 in	22 lb

Model	Orientation	Reach (IN) Vert.	Reach (IN) Horiz.	Max Weight LB
1SN1DS	Floor Mounted	42	44	22
1AM1DS	Ceiling Mounted	42	44	22

Compatible Head Members (see page 69): B, BA, C, E, EA, F, G, K, N, T

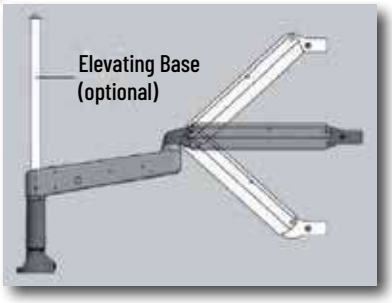
Brake Options	
L00	Not Required

To build your 3arm, choose the following

Arm Model	Head Member	Brake Option

3arm Series 2





Combination radial arm and tilting arm, each capable of 360° rotation. Two arms of different lengths give you the ability to reach separate working areas.

Reach	Max Weight	Max Torque
Vertical: 22 in Horizontal: 34 in	13 lb	120 Nm 88 ft-lb

Model	Orientation	Reach (IN) Vert.	Reach (IN) Horiz.	Max Weight LB
BB	Floor Mounted	22.2	33.9	13
BE	Ceiling Mounted	22.2	33.9	13
BA	Ceiling Mounted	22.2	33.9	13

Compatible Head Members (see page 69): B, BA, C, E, EA, F, G, K, N

Brake Options	
L00	Not Required

To build your 3arm, choose the following

Arm Model	Head Member	Brake Option

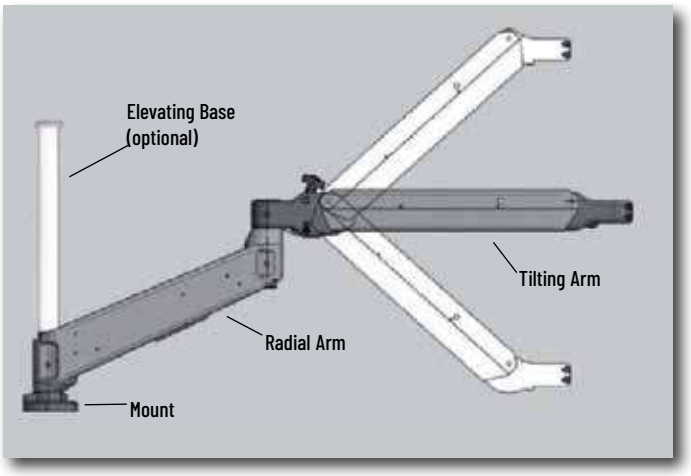


3arm Series 3

Reach	Max Weight	Max Torque
Vertical: 42 in Horizontal: 68 in	77 lb	650 Nm 479 ft-lb



Versatile arm with a long reach and the ability to carry a heavy load. Features "turning and tilting" brake locking systems (pneumatic or manual), allowing the operator to immobilize the arm in a fixed position on all axes simultaneously or separately.



Model	Orientation	Reach (IN) Vert.	Reach (IN) Horiz.	Max Weight LB
Floor Mounted				
PSBS	Short Rad. + Short Tilt.	27.8	41.7	77
PSBM	Short Rad. + Long Tilt.	44.5	53.5	40
PLBS	Long Rad. + Short Tilt.	27.8	55.9	77
PLBM	Long Rad. + Long Tilt.	44.5	67.6	40
Ceiling Mounted				
PEBS	Short Rad. + Short Tilt.	27.8	41.7	77
PEBM	Short Rad. + Long Tilt.	44.5	53.5	40
ASBS	Long Rad. + Short Tilt.	27.8	55.9	77
ASBM	Long Rad. + Long Tilt.	44.5	67.6	40
Elevating Base				
ALBS	Elevating+ Short Tilt.	27.8	43.7	77
ALBM	Elevating+ Long Tilt.	44.5	55.8	40

Compatible Head Members (see page 69): All

Brake Options	
L00	Not Required
L11	Manual
L22	Pneumatic
L50	Manual Locking Base
L92	Tool Trigger Activated

To build your 3arm, choose the following

Arm Model	Head Member	Brake Option

3arm Series 4

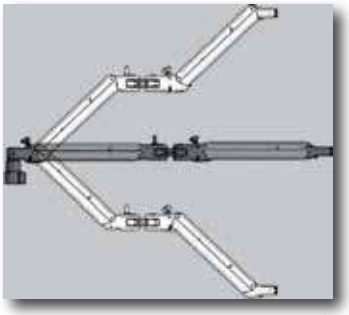
Reach	Max Weight	Max Torque
Vertical: 54 in Horizontal: 58 in	53 lb	300 Nm 221 ft-lb



Model	Orientation	Reach (IN) Vert.	Reach (IN) Horiz.	Max Weight LB
DS	Floor Mounted, Short Arm	42.3	48	53
DM	Floor Mounted, Long Arm	55.5	57.5	43
ADS	Ceiling Mounted, Short Arm	42.3	48	53
ADM	Ceiling Mounted, Long Arm	55.5	57.5	43

Compatible Head Members (see page 69): All

Dual-tilting arms expand range of movement. The innovative connections between the parts of the arm allow completely free movement of rolling up, down, and sideways. Capable of reaching the most difficult positions or work with weightless precision.



Brake Options	
L00	Not Required
L11	Manual
L22	Pneumatic
L50	Manual Locking Base
L92	Tool Trigger Activated

To build your 3arm, choose the following

Arm Model	Head Member	Brake Option

3arm Series 6

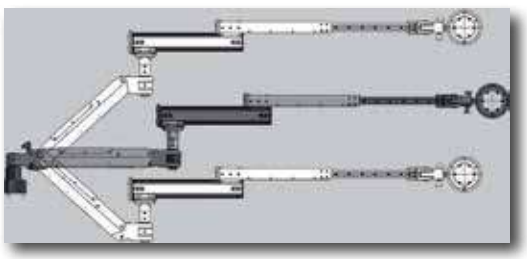
Reach	Max Weight
Vertical: 26 in Horizontal: 82 in	42 lb



Model	Description	Reach (IN) Vert.	Reach (IN) Horiz.	Max Weight LB
BPRASC	Model 800	26	68	42
BPRASM	Model 1200	26	82	26

Compatible Head Members (see page 69):
BPRASC - All
BPRASM - N,T

Extendable arm with ball linear guideways attached to a pendulum base arm, both capable of 360° rotation. This compact arm offers versatility for any type of tool. The telescopic top arm allows the user to work on hard-to-reach areas comfortably, quickly and safely. Works in a wide variety of applications.



Brake Options	
L00	Not Required

To build your 3arm, choose the following

Arm Model	Head Member	Brake Option

3arm Head Members

Once you've determined the tools that will be used in you application, select a head member based on the type of application and necessary orientations.

B  Vertical Flat	**BA**  Vertical with Ring	**C**  Vertical Adjustable	**E**  Flat Articulated	**EA**  Flat Articulated with Ring	**F**  Articulated Adjustable	**G**  Quick Change
H  Heavy-Duty Applications	**J**  Magnetic Articulated Drill	**K**  Universal Strap	**LA**  Vertical Pneumatic Ball & Socket	**M**  Constant Pressure Support	**N**  Multiposition Articulated	**P**  Double Articulated Flat
Q  Heavy-Duty Multiposition Articulated	**RA**  Swing Revolver	**RB**  Revolver Pistol	**RC**  Vertical & Horizontal	**R**  Revolver	**SN**  Giraffe Multiposition	**SQ**  Heavy-Duty Giraffe Multiposition
SR  Giraffe Revolver	**T**  Multiposition Articulated Pistol	**U**  Heavy-Duty Multiposition Articulated Pistol	**Z**  Fork			

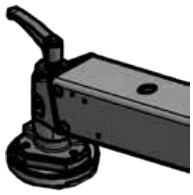
3arm Brake Options



L11
Manual Brakes
Manually turned handle



L22
Pneumatic Brakes



L50
Manual Locking Base
Handle at base only



L92
Tool Trigger Activated Brake
Pneumatic, activated through the tool

TOOL MOUNTING OPTIONS



AIMCO provides many head and mounting options to fit almost any application. Find more information in our Application Manual for Arms and Fixtures located on our website.

Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



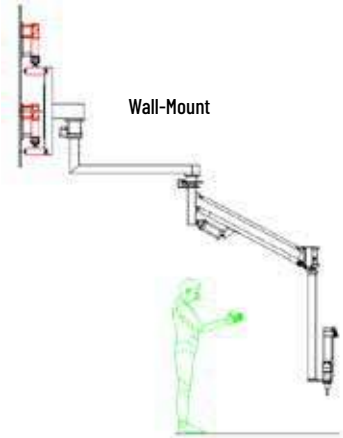
Mobile



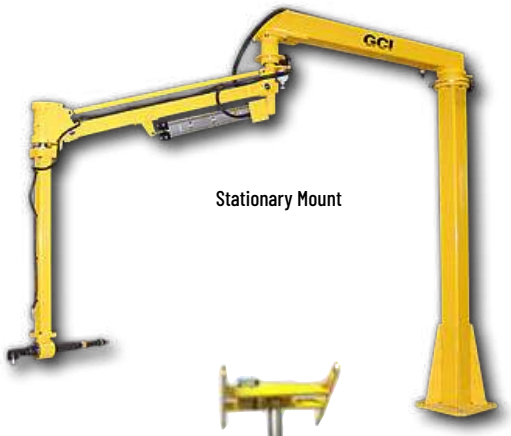




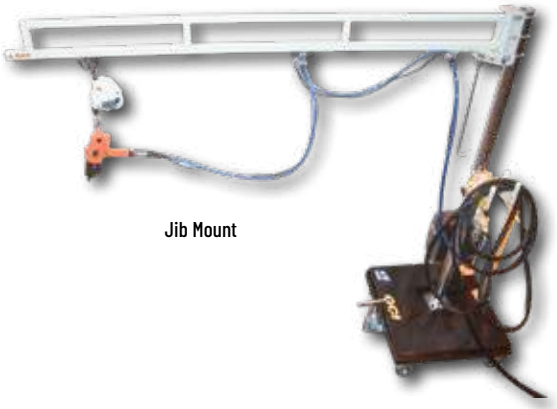
Overhead Trolley Mount



Wall-Mount



Stationary Mount



Jib Mount



Overhead Fixed Mount

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