TOOLS FOR **LIGHT ASSEMBLY** IN THE MEDICAL INDUSTRY





For more than 50 years, AIMCO has been working with manufacturers around the world. We are the complete global source for all critical fastening and bolting solutions. AIMCO can effectively and swiftly meet your needs whether you're in Tennessee, USA fastening a 3 mm nut at 3 Nm, or in Denmark servicing wind-turbine bolts at 17,000 Nm. AIMCO provides the tools and solutions, on a global scale, that guarantee the success of your project. It is with great pride that AIMCO can say the products that we manufacture are **DESIGNED AND ASSEMBLED IN THE USA.**

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10000 SE Pine St. Portland, OR 97216 (503) 254-6600 (800) 852-1368

TORQUE CONTROL AUTOMATIC SHUT-OFF TYPE

- · Precise repeatability improves quality
- · Minimal wear on internal parts for longer life
- Quick shut off for minimum torque reaction
- Speed choice for flexibility
- Easy external torque adjustment
- Midrange air motor provides high speed during entire cycle
- · Ideal for industrial torque control applications



Recommended Air Pressure: 85 psi



US-LT40B Series

US-LT Light Touch Series Inline Push-To-Start Screwdrivers

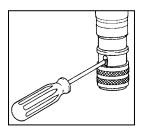
Torque Range **Overall Length** Weight From Center To Outside Air Usage Free Speed Noise Level IN-LB RPM Model KG ΝM MM IN LB MM IN dB(A) CFM US-LT10B 0.2 - 0.6 1.8 - 5.3 1,000 191 7.5 0.6 0.3 12.0 0.5 75 5.2 US-LT20B-10 0.4 - 1.1 3.1 - 9.7 1,000 180 7.1 0.7 0.3 13.0 0.5 70 5.6 US-LT20B-18 0.3 - 0.7 2.2 - 6.2 1,800 180 7.1 0.7 0.3 13.0 0.5 70 5.6 US-LT30B-11 1,100 187 7.4 0.9 15.5 0.6 70 7.0 1.1 - 2.1 9.7 - 18.5 0.4 US-LT30B-17 0.7 - 1.5 187 0.6 6.2 - 13.2 1,700 7.4 0.9 0.4 15.5 70 7.0 US-LT30B-23 0.4 - 1.0 2,300 187 7.4 0.9 15.5 0.6 71 7.0 3.5 - 8.8 0.4 US-LT40B-08 0.6 1.6 - 4.0 14.1 - 35.2 800 209 8.2 1.4 0.7 16.5 70 10.5 US-LT40B-15 1.0 - 2.2 1,500 209 8.2 1.4 0.7 16.5 0.6 70 6.2 - 19.4 10.5 US-LT40B-21 1.0 - 1.7 6.2 - 15.0 2,100 209 8.2 0.7 16.5 0.6 74 10.5 1.4 US-LT50B-05 5.0 - 10.2 480 240 9.5 2.2 19.5 0.8 74 44.0 - 92.4 1.0 17.5 US-LT50B-08 3.0 - 5.5 26.4 - 48.4 800 240 9.5 2.2 1.0 19.5 0.8 75 17.5 US-LT50B-17 1,700 240 9.5 19.5 0.8 75 17.5 1.5 - 2.6 9.7 - 23.0 2.2 1.0

Air Hose Size: 1/4 I.D. for US-LT10B - US-LT40B Series – 3/8" I.D. for US-LT50B Series Each model is equipped with its standard and alternate clutch springs

Air Inlet: 1/8 for US-LT10B - US-LT20B Series - 1/4" for US-LT30B - US-LT50B Series

External Torque Adjustment (Air Shut-Off)

Set the hand driver into the key hole on the Adjusting Gear, turn clockwise to increase torque. Turn counter clockwise to decrease torque.



US-LT Pneumatic Screwdrivers



US-LT Light Touch Series Angle and Lever Push-To-Start Screwdrivers

Torque Range Soft Joint Free Speed From Center to Outside Hex Bit Or Drive Size Air Usage Overall Length Noise Level Weight NM Model IN-LB RPM MM IN IN dB(A) LB KG MM IN CFM Angle US-LT30B-11C 1.1 - 2.1 3.5 - 18.5 1,100 298 10.7 1.5 0.7 36 1.4 1/4 73 7.0 0.7 - 1.5 US-LT30B-17C 3.5 - 13.2 1,700 295 10.7 1.5 0.7 36 1.4 1/4 73 7.0 US-LT40B-03C 5.0 - 10.0 44 - 88 300 359 14.2 2.4 1.1 35.5 1.4 3/4 72 10.5 US-LT40B-05C 2.3 - 5.7 20.0 - 49.5 500 322 13.0 2.1 38.5 1.5 1/4 75 10.5 0.9 800 320 75 10.5 US-LT40B-08C 1.6 - 4.0 8.7 - 34.7 12.8 2.0 0.9 36 1.4 1/4 US-LT40B-15C 1.0 - 2.2 8.7 - 19.4 1,500 320 12.8 2.0 0.9 36 1.4 1/4 75 10.5 360 1.4 72 US-LT40-03C 5.0 - 10.0 43.4 - 86.8 300 14.2 2.4 1.1 35.5 1/4 Sq. 10.5 US-LT40-05C 2.3 - 5.7 322 20.0 - 50.2 500 13.0 2.1 0.9 35.5 1.4 1/4 Sq. 75 10.5 US-LT40-08C 1.6 - 4.0 8.7 - 34.7 800 320 12.8 2.0 0.9 32 1.3 1/4 Sq. 75 10.5 Lever 9.7 - 18.5 1/4 US-LT30BL-11 1.1 - 2.1 1,100 229 8.2 1.2 0.5 15 0.6 70 5.2 US-LT30BL-17 0.7 - 1.5 6.2 - 13.2 1,700 229 8.2 1.2 0.5 15 0.6 1/4 70 5.2 US-LT40BL-08 1.6 - 4.0 14.1 - 35.2 800 249 9.8 1.5 0.7 17 0.7 1/4 70 5.6 0.7 US-LT40BL-15 1.0 - 2.2 8.8 - 19.4 1,500 249 9.8 1.5 0.7 17 1/4 70 5.6

Angle Head Height: 32 - 36 mm Air Inlet: N.P.T. 1/4" Air Hose Size: 1/4" I.D. for all models









Recommended Air Pressure: 85 psi

Recommended Air Pressure: 85 psi

US-LT Light Touch Series Pistol Push-To-Start Screwdrivers

		e Range Joint)	Free Speed		rerall ngth	We	ight		Center tside	Noise Level	Air Usage
Model	NM	IN-LB	RPM	MM	IN	LB	KG	MM	IN	dB(A)	CFM
US-LT31PB-05	2.4 - 5.0	21.1 - 44.0	500	189	8.2	1.9	0.9	16	0.6	70	7.0
US-LT31PB-11	1.1 - 2.1	9.7 - 18.5	1,100	170	7.0	1.6	0.7	16	0.6	70	7.0
US-LT31PB-17	0.7 - 1.5	6.2 - 13.2	1,700	170	7.0	1.6	0.7	16	0.6	70	7.0
US-LT31PB-23	0.4 - 1.0	3.5 - 8.8	2,300	170	7.0	1.6	0.7	16	0.6	70	7.0
US-LT41PB-08	1.6 - 4.0	14.0 - 35.2	800	175	7.7	1.9	0.9	17	0.6	70	10.5
US-LT41PB-15	1.0 - 2.2	8.8 - 19.4	1,500	175	7.7	1.9	0.9	17	0.6	70	10.5
US-LT41PB-21	1.0 - 1.7	8.8 - 15.0	2,500	175	7.7	1.9	0.9	17	0.6	74	10.5
US-LT51PB-05	5.0 - 10.5	44.0 - 92.4	480	198	8.5	2.6	1.2	20	0.8	74	17.5
US-LT51PB-08	3.0 - 5.5	26.4 - 48.4	800	198	8.5	2.6	1.2	20	0.8	75	17.5
US-LT51PB-17	1.5 - 2.6	13.2 - 22.9	1,700	198	8.5	2.6	1.2	20	0.8	75	17.5
US-LT60P-03*	7.0 - 20.0	61.6 - 176.0	320	230	9.1	3.7	1.7	22	0.9	75	21.0
US-LT60P-07*	4.0 - 10.0	35.2 - 88.0	650	230	9.1	3.7	1.7	22	0.9	76	21.0
US-LT60P-11*	4.0 - 7.0	35.2 - 61.6	1,100	230	9.1	3.7	1.7	22	0.9	77	21.0

Air Hose Size: 1/4 I.D. for US-LT3IPB & US-LT4IPB Series Air Inlet: N.P.T. 1/4" * Optional 3/8" Sq. Drive available for US-LT60P Series ADD (P) to Model Number

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3/8 I.D. for US-LT31PB-05, US-LT51PB Series & US-LT60P Series



US-LT Screwdriver Optional Clutch Springs

			Recommende	d Torque Range	
	Clutch Spr	ings Provided	Hard	Joint	Clutch Spring
Model	Standard	Option	Nm	in-lb	Code Number
US-LT10B	Black		0.20 - 0.60	1.7 - 5.2	976-379-0
US-LT20B-10	Black		0.34 - 1.10	3.0 - 9.5	976-432-0
		Red	0.20 - 0.70	1.7 - 6.1	976-431-0
		Yellow	0.15 - 0.34	1.3 - 3.0	976-430-0
US-LT20B-18	Red		0.24 - 0.67	2.2 - 6.1	976-431-0
		Yellow	0.15 - 0.34	1.3 - 3.0	976-430-0
US-LT31PB-05	Red		2.35 - 5.00	20.9 - 44.0	976-493-0
		Pink	0.98 - 2.74	8.7 - 24.3	976-471-0
US-LT30 Series, 1,100 rpm	Blue		0.98 - 2.1	8.7 - 18.5	976-472-0
		Red	0.67 - 1.76	6.1 - 15.6	976-493-0
		Pink	0.39 - 0.98	3.5 - 8.7	976-471-0
	Black	(not included)	1.22 - 2.74	10.8 - 24.3	976-504-0
US-LT30 Series, 1,700 rpm	Red		0.67 - 1.47	6.1 - 13.0	976-493-0
		Pink	0.39 - 0.98	3.5 - 8.7	976-471-0
US-LT30 Series, 2,300 rpm	Pink		0.39 - 0.98	3.5 - 8.7	976-471-0
US-LT40-03C	Red		4.90 - 9.80	43.4 - 86.8	976-516-0
US-LT40 Series, 800 rpm	Black		1.57 - 3.92	13.9 - 34.7	976-515-0
		Red	0.98 - 2.17	8.7 - 19.1	976-516-0
		Yellow	0.98 - 1.67	8.7 - 14.8	976-517-0
US-LT40 Series, 1,500 rpm	Red		0.98 - 2.17	8.7 - 19.1	976-516-0
		Yellow	0.98 - 1.67	8.7 - 14.8	976-517-0
US-LT40 Series, 2,100 rpm	Yellow		0.98 - 1.67	8.7 - 14.8	976-517-0
US-LT50 Series, 500 rpm	Black		4.9 - 10.3	43.4 - 91.1	976-620-0
		Red	2.9 - 5.4	26.1 - 47.7	976-614-0
		Yellow	1.4 - 2.5	13.0 - 22.6	976-588-0
US-LT50 Series, 800 rpm	Red		2.7 - 5.4	24.3 - 47.7	976-614-0
		Yellow	1.4 - 2.5	13.0 - 22.6	976-588-0
US-LT50 Series, 1,700 rpm	Yellow		1.4 - 2.6	13.0 - 23.0	976-588-0

•



- Available in push-to-start and lever start styles
- Ergonomic design Lightweight, compact housings • ensure operator comfort during operation
- Accurate torque control Precise controlled • fastening with automatic shut-off clutches
- External brush replacement Virtually no down time ٠ for brush replacement
- External torque adjustment Torque level can • be easily adjusted by simply turning the external adjustment ring



- UL Listed and CE Certified Drivers meet electrical safety standards in both the U.S. and Europe
- Direct plug-in style Offers easy and convenient start-up (certain models), simply plug it in
- State-of-the-art motor design Ensures comfortable grip temperature for operator and extended motor life

Electra® Series Screwdrivers

	Torqu	e Range	Free Speed	We	ight	Ler	ngth	Hex	Drive	Power
Model	IN-LB	KGF-CM	RPM	LB	KG	IN	MM	IN	MM	Source
Push-To-Start Direct Plug-In Series										
AE-5681	3.5 - 15.6	4 - 18.0	1,000	1.2	0.5	9.3	237	1/4	6.4	115V AC*
(Includes torque cover)										
AE-8681	15 - 45	23.0 - 51.8	600	1.6	0.7	10.6	269	1/4	6.4	115V AC*
(Includes pistol grip handle adapter)										
Low-Voltage Lever Start Series (Requ	ires External I	Power Supply)								POWER SUPPLY:
AE-2020	.35 - 1.3	.40 - 1.5	720	0.7	0.3	8.0	203	1/4	6.4	
AE-4020	.9 - 5	1.0 - 6.0	720	0.7	0.3	8.0	203	1/4	6.4	
AE-4520	1.3 - 8.7	1.5 - 10.0	720	0.7	0.3	8.0	203	1/4	6.4	See page 130 for
AE-7010	6.1 - 17.4	7.0 - 20.0	750	1.4	0.6	9.3	236	1/4	6.4	required power supplies
Low-Voltage Push-To-Start Series (Requires External Power Supply)										
AE-7010PS	6.1 - 17.4	7.0 - 20.0	750	1.4	0.6	9.3	236	1/4	6.4	
220V AC is available upon request. Contact	AIMC0 at 1-503	254-6600 or toll fr								

220V AC is available upon request. Contact AIMCO at 1-503-254-6600, or toll free 1-800-852-1368.

ELECTRA® LOW ESD SERIES

- Grounded bit Grounded chuck assembly routes any existing • charge to ground
- Carbonized housing Handle material and buttons are ٠ constructed of carbonized plastic throughout, enabling any charge received by the handle to be routed to ground
- Long-Lasting ESD resistant handle Material will maintain its integrity for the life of the handle, unlike coatings or paints



Electra® Low ESD Series Screwdrivers

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	Torque	Range	Free Speed	Wei	ght	Ler	ngth	Hex	Drive	Power
Model	IN-LB	KGF-CM	RPM	LB	KG	IN	MM	IN	MM	Source
AE-4520ESD*	1.3 - 8.7	1.5 - 10.0	720	0.9	0.4	8.0	204	1/4	6.4	35V DC
AE-5681ESD	3.5 - 15.6	4 - 18.0	1,000	1.2	0.5	9.3	237	1/4	6.4	115V AC**

* Low-voltage units require an external power supply. ** 220V AC is available upon request. Contact AIMCO at 1-503-254-6600, or toll free 1-800-852-1368.

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Electric Screwdrivers

ELECTRA® SLIP CLUTCH SERIES

- High-speed performance For quick and consistent assembly and disassembly
- Maximum ergonomics and convenience Offers a combination of a slip clutch with a high speed motor to provide low torque reaction; one of the best power-to-weight ratios in the industry
- Added maintenance feature LED light indicates when to change brushes. Brush cap contains a switch that shuts off the power during brush replacement
- Direct 110V plug-in Eliminates the need for an external power supply



- 1/4" hex quick change chuck for easy bit changes
- External torque collar for easy torque adjustment.

Electra® Slip Clutch Series Screwdrivers

	Recommended	Torque Range	Free Speed	We	ight	Ler	ngth	Hex	Drive	Power
Model	IN-LB	KGF-CM	RPM	LB	KG	IN	MM	IN	MM	Source
AE-2015	4.3 - 21.7	5.0 - 25.0	1,000	1.2	.55	9.2	234	1/4	6.4	110 V / 120V AC*

** 220V AC is available upon request. Contact AIMCO at 1-503-254-6600, or toll free 1-800-852-1368.

PRECISION SERIES

- For low torque applications
- Featuring ergonomic design
- Comes with options such as long-life brushless motors and adjustable speed power supplies

STANDARD MODELS

- Optional speed control power supply Enables infinite control from 20% to 100% of maximum tool speed and adjustable soft start to minimize cross threading
- Ergonomic housing Oval shape conforms to hand
- Duralite Casing material provides a secure grip
- Feather touch integrated lever reduces travel and stress. Requires only 2 mm of travel to activate
- External torque control Twist and go



EXTENDED LIFE MODELS

- Sealed Swiss motor For higher duty cycles, longer life, and less maintenance. Sealed casing means no brush changes are necessary
- Extended warranty on tool motor Three year standard motor warranty
- Compact power supply Makes setup a breeze

	Torque	Range	Free Speed	We	eight	Ler	ngth	Hex Drive
Model	IN-LB	KGF-CM	RPM	LB	KG	IN	MM	IN
Standard								
AE-6300	.85 - 5.0	1.0 - 5.8	725	0.9	0.4	8.5	216	1/4
AE-6450	1.3 - 8.7	1.5 - 10.0	770	0.9	0.4	8.5	216	1/4
High Speed								
AE-6300S	.35 - 4.3	0.4 - 5.0	920	0.9	0.4	8.5	216	1/4
AE-6450S	1.3 - 8.7	1.5 - 10.0	920	0.9	0.4	8.5	216	1/4
Extended Life								
AE-6300M	1.0 - 5.5	1.1 - 6.3	550	0.9	0.4	8.5	216	1/4

Electra® Precision Series Screwdrivers

Electric Screwdrivers



AE-224PS AE-278PS Electra® Series Power Supplies

Model	Compatible Screwdrivers				Wei LB	ight KG	
AE-224PS	AE-2020 AE-2020ESD AE-4020 AE-4520 AE-4520ESD	AE-6300 AE-6300S AE-6450 AE-6450S	720	110V AC - 220V AC 35V DC	2.6 x 1.6 x 5.0 66 x 41 x 127 mm	1.0	.45
AE-278PS	AE-7010 AE-7010PS		STANDARD	110V AC - 220V AC 30V DC	1.6 x 5.0 x 2.6 41 x 127 x 66 mm	1.0	.45
APM-30	AE-6300M		550	110V AC - 220V AC 30V DC	2.1 x 3.4 x 1.9 53 x 87 x 48 mm	0.4	0.2

DIGITAL FASTENING COUNTER

The AM Series fastener counter verifies and errorproofs the assembly process.

- Buzzer notifies of missing screws, incomplete fastening, and thread damage
- Counts up to 60,000 units and up to 99 screws per unit

Digital Fastening counters for Electra® Series Screwdrivers

Model	Compatible Screwdrivers
AM-45	For AE-2020, AE-4020, AE-4520 Standard and ESD types
AM-65	For AE-7010, AE-7010PS

- · Connects easily to automation equipment using standard input/output signals
- Large LCD screen is easy to read. A green screen indicates OK fastening, a red screen indicates NG

OPTIONAL ACCESSORIES



Angle Head Attachments Available for lever start series. Not available for Low ESD Series.



Pistol Grip Handle Converts to a pistol style driver for horizontal fastening. Available for Trigger Start only (included with AE-8681).



Torque Cover Prevents accidental torque adjustment by the operator (included with AE-5681).

Electra® Series Screwdriver Accessories

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Item	Model	Compatible Screwdrivers
Angle Head Attachments	AE-2045A	For AE-2020, AE-4020, AE-4520
	AE-7080A	For AE-7010
Pistol Grip Handle	AE-PG7080	For AE-7010, AE-7010PS
Torque Cover	AE-TC2040	For AE-2020, AE-4020, AE-4520
	AE-TC7080	For AE-7010, AE-7010PS
	4H2055	For AE-8681







Tested and PROVEN to BEAT the competition in vibration and noise levels

These tools outperform the competition in number of rundowns per battery charge



SHUT-OFF IMPACT TOOLS

The Signature Series Impact Shut-Off Pistol Tool can operate as a standard impact wrench or as an impact wrench with a programmable shut-off point, preventing over-torquing. These innovative tools deliver a torque range of 3 – 120 Nm (2 – 89 ft-lb). No torque reaction, coupled with the ergonomic, lightweight design and reduced vibration, helps to prevent user injury.

FEATURES AND BENEFITS

- Brushless motor provides longer motor life and increased efficiency
- · Easy-to-read process information lights
- Advanced shut-off system
- LED light for work-area illumination
- Programmable buttons for easy operation
- Li-lon battery provides long battery life
- Mini USB port for connection to optional programmer (SPC-2PGM)

SIW Signature Series Cordless Impact Tools



-											
	Torque Range		Max Torque		Free	Battery	We	ight			
Model	NM	FT-LB	NM	FT-LB	Speed	(V)	LB	KG	Anvil Size	Noise Level dB(A)	
SIW-P25250	3 - 25	2 - 18	40	30	2,400	20	2.2	1	1/4 QC	71	
SIW-P32250	6 - 32	4 - 24	90	66	2,400	20	2.2	1	1/4 QC	71	
SIW-P3238	6 - 32	4 - 24	90	66	2,400	20	2.2	1	3/8 Sq Dr	71	
SIW-P5538	15 - 55	11 - 41	120	90	2,400	20	2.4	1.1	3/8 Sq Dr	71	
SIW-P5550	15 - 55	11 - 41	120	90	2,400	20	2.4	1.1	1/2 Sq Dr	71	
SIW-P10050	25 - 100	18 - 74	180	133	2,400	20	2.4	1.1	1/2 Sq Dr	71	
SIW-P12050	30 - 120	22 - 89	210	155	2,400	20	2.9	1.3	1/2 Sq Dr	71	

Shut-Off Impact Tools Include: Body Jacket, Bail, and one (1) 18V Li-Ion Battery

BATTERY AND CHARGER

The Signature Series Shut-Off Impact Tool battery features a slim profile design and a slide mount connection to the tool, which ensures durability and makes changing out batteries quick and easy.

Battery Model #	Voltage / Capacity	Туре
SIW-B20LI	20V, 2.0 Ah	Li-Ion
SIW-B20LI-HC	20V, 4.0 Ah	Li-ion
Charger Model #	Output	Input
SIW-C18-20	18 - 20V, 4.0 A	100 - 240VAC, 50-60 Hz



SIW-B20LI



	Model #
	BJ10091
-HC	SIW-PBL

BJ10091 Grey Body Jacket Cover SIW-PBL Suspension Bail SIW-38PR Pin Retainer Kit, 3/8" Drive SIW-50PR Pin Retainer Kit, 1/2" Drive

Description





SIW-PBL

SIW-C18-20

Quick shut-off, precision clutch minimizes torque reaction and ensures precise application of torque

PRECISION CLUTCH TOOLS

Signature Series precision clutch tools feature a quick-releasing clutch that delivers accuracy across multiple joint types. Constructed of precision machined parts, this tool guarantees accuracy and durability over the life of the tool.

FEATURES AND BENEFITS

- LED indicator provides simple process information to the operator. The signal is visible from any angle
- Press button for easy F/R operation
- LED light for working in dark areas
- Trigger repeat protection avoids double hits on already seated screws
- · Easily attached sliding battery system
- Mini USB port for connection to optional programmer (SPC-2PGM)
- · Li-lon battery pack delivers longer run time
- Ergonomic handle design provides outstanding balance and weight and is ideal for accessing hard-to-reach locations
- Angle tool enables multiple
 head positions

	Torque Range		Torque Range Free Speed RPM Range			Battery	Tool Weight	(w/o Battery)	Anvil
Model	NM	FT-LB	(Programmable with Programmer Accessory)	Voltage	LB	KG	Size		
Pistol*									
SPC-P23250	.8 - 3	.6 - 2.2	500 - 1,550	18V	2.1	.95	1/4″ QC		
SPC-P26250	1 - 6	.7 - 4.4	300 – 1,000	18V	2.1	.95	1/4″ QC		
SPC-P29250	1.5 – 9	1.1 - 6.6	300 - 800	18V	2.1	.95	1/4″ QC		
SPC-P212250	2 - 12	1.5 - 8.8	250 - 600	18V	2.1	.95	1/4″ QC		
Right Angle**									
SPC-A210250	3 - 12	2.2 - 8.8	400 - 1,000	18V	3.5	1.6	1/4″ QC		
SPC-A21025	3 - 12	2.2 - 8.8	400 – 1,000	18V	3.5	1.6	1/4″ Sq		
SPC-A21038	3 - 12	2.2 - 8.8	400 – 1,000	18V	3.5	1.6	3/8″ Sq		
SPC-A216250	5 - 18	3.7 - 13.3	300 - 600	18V	3.5	1.6	1/4" hex		
SPC-A21625	5 - 18	3.7 - 13.3	300 - 600	18V	3.5	1.6	1/4″ Sq		
SPC-A21638	5 - 18	3.7 -1 3.3	300 - 600	18V	3.5	1.6	3/8″ Sq		
SPC-A23038	8 - 30	5.9 - 22	250 - 480	18V	3.5	1.6	3/8″ Sq		
SPC-A23538	10 - 35	7.4 - 25.8	220 - 330	18V	3.5	1.6	3/8″ Sq		
SPC-A25038	10 - 50	7.4 - 37	200 Non-Programmable Fixed Speed***	18V	5.3	2.4	3/8″ Sq		
SPC-A27038	20 - 70	14.8 - 51.7	170 Non-Programmable Fixed Speed***	18V	6.3	2.9	3/8″ Sq		
SPC-A210050	35 - 100	26 - 74	119 Non-Programmable Fixed Speed***	18V	7.4	3.4	1/2″ Sq		

SPC Signature Series Cordless Clutch Tools

* Pistol Grip Tools include: Torque Adjustment Tool and one (1) 18V Li-Ion Battery

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** Angle Nutrunners include: Torque Adjustment Tool, Head Indexing Spanner Wrench, and one (1) 18V Li-Ion Battery

*** High torque tools feature fixed RPM

SPC-P23250

SPC-A21625

A

Signature Series

BATTERY AND CHARGER

One universal battery and charger interface with all of the Signature Series Precision Clutch tools. Each tool utilizes the same lightweight 18V Li-Ion battery, which provides superior battery life. The charger accepts input AC power of 100 – 240VAC, making use simple anywhere in the world. Batteries and Charger for SPC Signature Series Cordless Clutch Tools

Battery Model	Voltage	Туре	Capacity	Weight
SPC-B218LI	18V	Li-Ion	2.0 Ah	.8 Lb/.4 kg
SPC-B218LI-HC	18V	Li-Ion	4.0 Ah	1.4 Lb/.64 kg
Charger Model	Output	Input	Dimensions (W/O Battery)	Weight
SPC-C218-20	18V-19.2V 3.0 A	100-240VAC 50-60 Hz	6.25″ deep x 5″ wide x 3.5″ tall 158.75 mm x 127 mm x 89 mm	1.2 Lb/.54 kg



PRECISION CLUTCH TOOL ATTACHMENTS

A wide variety of special heads and attachments can be fitted to Signature Series Angle Nutrunners. Contact your AIMCO representative for assistance, 1-503-254-6600, or toll free 1-800-852-1368.



TOOL SPEED PROGRAMMER

Each Signature Series battery tool has programmable features that enhance operator efficiency.

Programmable features include:

- Tool speed control from minimum (1,500 rpm) to maximum (2,400 rpm) speed in 50 rpm increments
- Forward/Reverse Mode Three setting options
- Two-stage trigger delay control
- · Screw count / impact count
- Supervisor level "lock-out" control

Additionally, the Signature Series battery tool has an integrated mini USB connector that couples to the Signature Series Programmer module. Simply connect the tool to the Programmer Module and flash the tool to the desired RPM. The programmed RPM will remain until a change is desired.



QUICK CLIP

The two piece Quick Clip comes with a belt clip and a stretch cord attachment for a pistol tool. The patented ball feature allows for quick and easy release.

SPC-QC



TOOL BASKETS

AIMCO tool baskets can be affixed to a bench or rack and can be used for either a pistol or right angle tool.

BODY JACKETS

Prevent damage to the workpiece.

SPC-2PGM



Auditor's APTW preset wrenches provide a flexible, easy way to audit fastener torque. A wide range of interchangeable heads provide flexibility and convenience.

FEATURES AND BENEFITS

- Easy-to-use preset wrenches for fastener torque auditing
- Torque ranges from 5 340 Nm
- User friendly, sleek, ergonomic design
- Tactile feedback on achievement of preset torque
- Proprietary adjustment tool guards against unauthorized setting changes
- Wide range of interchangeable heads provide flexibility and convenience
- +/- 3% accuracy when used in clockwise or counterclockwise directions





APTW Torque Wrench Models

WRENCH MODEL	TORQUE RANGE	INSERT ACCEPTED
APTW-25	5 – 25 Nm	12 mm
APTW-50	10 – 50 Nm	12 mm
APTW-100	20 – 100 Nm	12 mm
APTW-150	30 - 150 Nm	12 mm
APTW-200	40 - 200 Nm	14 mm
APTW-340	60 - 340 Nm	14 mm

Adapters		Description
1-	APTH-12ADP	9 x 12 M to 14 x 18 F
-	APTH-14ADP	14 x 18 M to 9 x 12 F

Blank End Inse	Description	
	APTH-12BLANK	12 mm
	APTH-14BLANK	14 mm

Ratchet Heads	Description	
	9 x 12	
-	APTH-12RT25	1/4″ Sq. Dr.
	APTH-12RT38 3/8" Sq. Dr.	
	APTH-12RT50	1/2″ Sq. Dr.
	14 x 18	
•	APTH-14RT50	1/2″ Sq. Dr.
	APTH-14RT34	3/4″ Sq. Dr.

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TORQUE WRENCH INSERTS

Ring End Inserts	;	Description	Square Drive Inser	ts	Description
	APTH-12RE50	1/2″ Ring End, 12 mm		9 x 12 APTH-12SD25	1/4″ Sq. Dr.
				APTH-12SD38	3/8″ Sq. Dr.
APTH-14RE32	32 mm Ring End, 14 mm		APTH-12SD50 14 x 18	1/2″ Sq. Dr.	
				APTH-14SD50	1/2″ Sq. Dr.

	0	per	n End Head Inse	erts		
Model	Description		Model	Description	Model	Description
ç) x 12	\setminus		14	x 18	
APTH-120E7	7 mm OE	\setminus	APTH-140E1	1″ OE	APTH-140E25	25 mm 0E
APTH-120E8	8 mm OE	\setminus	APTH-140E13	13 mm 0E	APTH-140E27	27 mm OE
APTH-120E9	9 mm OE	\setminus	APTH-140E14	14 mm OE	APTH-140E30	30 mm 0E
APTH-120E10	10 mm 0E	\setminus	APTH-140E15	15 mm OE	APTH-140E32	32 mm 0E
APTH-120E11	11 mm OE	\setminus	APTH-140E16	16 mm OE	APTH-140E34	34 mm 0E
APTH-120E12	12 mm 0E	\setminus	APTH-140E17	17 mm OE	APTH-140E36	36 mm 0E
APTH-120E13	13 mm OE	\setminus	APTH-140E18	18 mm OE	APTH-140E38	38 mm OE
APTH-120E14	14 mm OE	\sim	APTH-140E19	19 mm OE	APTH-140E41	41 mm 0E
APTH-120E15	15 mm OE	\sim	APTH-140E21	21 mm 0E	APTH-140E118	1-1/8″ OE
APTH-120E16	16 mm OE	\sim	APTH-140E22	22 mm 0E	APTH-140E138	1-3/8″ OE
APTH-120E17	17 mm OE	\setminus	APTH-140E24	24 mm 0E		
APTH-120E18	18 mm OE					
APTH-120E19	19 mm OE					
APTH-120E20	20 mm 0E					
APTH-120E50	1/2″ OE					

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Auditor Torque Cube





ATC-150F ATC-250F ATC-500F ATC-750F



AUDITOR TORQUE CUBE

The Auditor Torque Cube (ATC) is a compact, versatile desktop tester that provides a multitude of capabilities. The ATC is designed to test hand or power tools with the following:

- Peak, first peak, and track modes
- Multiple engineering units
- Manual and auto clear function
- Multiple frequency response settings
- Bi-directional use and accuracy
- Accuracy is better than 1% of indicated reading top 90% of range
- Serial data output
- Memory: 999 data samples
- Battery and/or mains powered

Because precision and quality are critical, you can depend on Auditor testers to calibrate and certify your tools. Whether you are assembling large complicated systems or small precise time pieces, AIMCO provides the best system for your application. Our instruments have been judged "best in class" by independent National Standards laboratories. Auditor Torque Cube is rugged enough to test and verify tools at "point of use" while still being accurate enough to calibrate hand and power tools.

Each tester is shipped with a mains/battery charger power cord, a hex to allen drive bit, and a bolting template. Models with max torque of 1,000 in-lb or less also include a joint rundown fixture. The ATC can be positioned vertically or horizontally for the ergonomic testing of inline or pistol grip tools.

		ed Torque Range		ight		(H x D	Square Drive
Model	NM	IN-LB/FŤ-LB	KG	LB	MM	IN	IN
Vertical Configuration	n						
ATC-10	0.13 - 1.13	1 - 10 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	1/4
ATC-25	0.28 - 2.83	2.5 - 25 in-lb	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	1/4
ATC-100	1.13 - 11.3	10 - 100 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	1/4
ATC-250	2.83 - 28.3	25 - 250 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	3/8
ATC-500	5.65 - 56.5	50 - 500 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	3/8
ATC-750	8.47 - 84.8	75 - 750 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	3/8
ATC-1000	11.3 - 113	100 - 1000 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	3/8
ATC-1800	21.2 - 203	188 - 1,800 in-Ib	1.13	2.5	79 x 95 x 83	3.13 x 3.75 x 3.25	1/2
Horizontal Configurat	tion						
ATC-150F	20 - 200	15 - 150 ft-lb	2.25	5	79 x 95 x 83	3.13 x 3.75 x 3.25	1/2
ATC-250F	34 - 340	25 - 250 ft-lb	2.25	5	79 x 95 x 83	3.13 x 3.75 x 3.25	1/2
ATC-500F	68 - 678	50 - 500 ft-lb	2.25	5	79 x 95 x 83	3.13 x 3.75 x 3.25	3/4
ATC-750F	102 - 1,017	75 - 750 ft-lb	2.25	5	79 x 95 x 83	3.13 x 3.75 x 3.25	3/4

ATC Auditor Torque Cube Models

Auditor Bench-Mount Testers



AUET



AUET/MTM



AUET/MTM-DC

AUDITOR UNIVERSAL ELECTRONIC TESTERS

Auditor Universal Electronic Testers (AUET) have a broad range of features to accommodate most requirements. They are designed to be bench-top mounted and are available in several configurations and various single or multiple torque ranges. Onboard memory allows you to capture 999 torque event readings. The testers are also available in file capability (DC) models that require PC software Auditor Tool Manager (ATM). Instruments up to 1,000 in-lb are supplied with rundown adapters/joint kits. Rundown kits for larger instruments can be ordered separately. AUET/MTM units are supplied with an external transducer port and selector switch for connecting additional transducers.

AUET testers utilize the same transducers as the ATC instruments, providing the same high quality accuracy and durability. The common interface makes the Auditor tester extremely user friendly.



AUET Single Transducer Models

	Recommended Torque Range					
Model*	KGF-CM/NM	IN-0Z/IN-LB				
AUET-050(-DC)	0.4 - 3.6 kgf-cm	5 - 50 in-oz				
AUET-0100(-DC)	0.7 - 7.2 kgf-cm	10 - 100 in-oz				
AUET-10(-DC)	1.1 - 11.5 kgf-cm	1 - 10 in-Ib				
AUET-50(-DC)	0.5 - 5.6 Nm	5 - 50 in-Ib				
AUET-100(-DC)	1.1 - 11.3 Nm	10 - 100 in-Ib				
AUET-250(-DC)	2.8 - 28.3 Nm	25 - 250 in-Ib				
AUET-500(-DC)	5.7 - 56.5 Nm	50 - 500 in-Ib				
AUET-1000(-DC)	11.3 - 113 Nm	100 - 1,000 in-Ib				
AUET-1200(-DC)	13.6 - 135.6 Nm	120 - 1,200 in-Ib				
AUET-1800(-DC)	20.3 - 203.4 Nm	180 - 1,800 in-Ib				

* Add "-DC" to part numbers for data collecting models.

Data collecting models allow multiple files/tools/applications to be associated with torque data. Requires Tool Manager software.

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Custom sizes are also available. Contact an AIMCO Customer Service Associate for ordering options, 1-503-254-6600, or toll free 1-800-852-1368.

AUET/MTM Dual Transducer Models

Model**	Transducer 1	Recommendeo Transducer 2	l Torque Range Transducer 1	Transducer 2
AUET/MTM-050-25	0.04 - 0.4 Nm	0.3 - 2.8 Nm	5 - 50 in-oz	2.5 - 25 in-lb
AUET/MTM-050-600	0.04 - 0.4 Nm	6.8 - 67.8 Nm	5 - 50 in-oz	60 - 600 in-lb
AUET/MTM-0100-050	0.07 - 0.71 Nm	0.04 - 0.4 Nm	10 - 100 in-oz	5 - 50 in-oz
AUET/MTM-10-100	0.11 - 1.12 Nm	1.3 - 11.3 Nm	1.0 - 10 in-lb	10 - 100 in-Ib
AUET/MTM-50-250	0.56 - 5.65 Nm	2.8 - 28.3 Nm	5.0 - 50 in-lb	25 - 250 in-Ib
AUET/MTM-50-500(-DC)	0.56 - 5.65 Nm	5.7 - 56.5 Nm	5.0 - 50 in-lb	50 - 500 in-Ib
AUET/MTM-50-1000(-DC)	0.56 - 5.65 Nm	11.3 - 113 Nm	5.0 - 50 in-Ib	100 - 1,000 in-Ib
AUET/MTM-100-500	1.13 - 11.3 Nm	5.7 - 56.5 Nm	10 - 100 in-Ib	50 - 500 in-lb
AUET/MTM-100-1000	1.13 - 11.3 Nm	11.3 - 113 Nm	10 - 100 in-Ib	100 - 1,000 in-Ib
AUET/MTM-100-1200	1.13 - 11.3 Nm	13.6 - 135.6 Nm	10 - 100 in-Ib	120 - 1,200 in-Ib
AUET/MTM-100-1600(-DC)	1.13 - 11.3 Nm	18.1 - 180.8 Nm	10 - 100 in-Ib	160 - 1,600 in-Ib
AUET/MTM-100-2000	1.13 - 11.3 Nm	22.6 - 226 Nm	10 - 100 in-Ib	200 - 2,000 in-Ib
AUET/MTM-250-1600	2.82 - 28.2 Nm	18.1 - 180.8 Nm	25 - 250 in-Ib	160 - 1,600 in-Ib
AUET/MTM-250-1800	2.82 - 28.2 Nm	20.3 - 203.4 Nm	25 - 250 in-Ib	180 - 1,800 in-Ib
AUET/MTM-250-2500	2.82 - 28.2 Nm	28.2 - 282.5 Nm	25 - 250 in-Ib	250 - 2,500 in-lb
AUET/MTM-500-1200	5.7 - 56.5 Nm	13.6 - 135.6 Nm	50 - 500 in-Ib	120 - 1,200 in-Ib
AUET/MTM-500-2500(-DC)	5.7 - 56.5 Nm	28.2 - 282.5 Nm	50 - 500 in-Ib	250 - 2,500 in-lb

Custom sizes are also available. Contact an AIMCO Customer Service Associate for ordering options, 1-503-254-6600, or toll free 1-800-852-1368.

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Rundown Fixtures

Torque Measurement: Rundown Fixtures				
 Features and Benefits Enables accurate and repeatable testing of pneumatic or electric power tools Mechanical Belleville system of bolt, nut or nut body, Belleville weekers and main housing 10% of 20% data and a second s				
Belleville washers and main housing, 1/4" – 3/4" drive sizes, 10 in-lb – 1,200 ft-lb • Fixtures can be ordered to simulate hard, med., or soft joints	ARDFA-XXXXHD ARDIA-XXXHD	ARDFA-XXXHDS ARDIA-XXXHDS	ARDFA-XXXHDE ARDIA-XXXHDE	ARDFA-XXX ARDIA-XXX
Wear-Resistant Heavy Duty	Х			
Heavy Duty, Fully Encapsulated		Х		
Heavy Duty, Encapsulated Washers			Х	
Standard (Included w/analyzer)				Х
Spline Drive				
Used in Conjunction with External Transducer				
ASTIS	Х	Х	Х	Х
AISI / AISF	Х	Х	Х	Х
ARTIS	Х	Х	Х	Х

*Spline drive feature provides rundown control when testing pulse tools.



HDE Series

HD Series

AUDITOR RUNDOWN FIXTURES

To test power tools, pneumatic or electric, consistent rotational speed must be achieved. The joint rundown fixture/simulator provides the means by which the tool motor and spindle rotates freely at the start of the test cycle and then develops torque as rotation resistance increases as fastener/joint load increases. The linearity and consistency of the joint rundown fixtures/ simulators vary greatly and the tool test data is a product of the variations in these rundown fixtures. Higher quality joint rundown fixtures produce torque data with less scatter.

ARDIA Models

Model*	Recommende NM	d Torque Range IN-LB	Square Drive
ARDIA-10(HD)(HDE)(HDS)	.13 - 1.13	1.0 - 10	1/4″
ARDIA-25(HD)(HDE)(HDS)	.28 - 2.8	2.5 - 25	1/4″
ARDIA-50(HD)(HDE)(HDS)	.56 - 5.6	5 - 50	1/4″
ARDIA-100(HD)(HDE)(HDS)	1.3 - 11.3	10 - 100	1/4″
ARDIA-150(HD)(HDE)(HDS)	1.7 - 16.9	15 - 150	1/4″
ARDIA-250(HD)(HDE)(HDS)	2.8 - 28.3	25 - 250	3/8″
ARDIA-350(HD)(HDE)(HDS)	4 - 40	35 - 350	3/8″
ARDIA-500(HD)(HDE)(HDS)	5.6 - 56.5	50 - 500	3/8″
ARDIA-750(HD)(HDE)(HDS)	8.5 - 84.7	75 - 750	3/8″
ARDIA-1000(HD)(HDE)(HDS)	11.3 - 113	100 - 1,000	3/8″

*Add "HD" to part numbers for wear resistant models. Add "HDS" to part numbers for fully encapsulated wear resistant models.

*Add "HDE" to part numbers for partial encapsulated wear resistant models.

ARDFA Models

Model*	Recommende NM	ed Torque Range FT-LB	Square Drive
ARDFA-100(HD)(HDE)(HDS)	13.6 - 136	10 - 100	1/2″
ARDFA-150(HD)(HDE)(HDS)	20.4 - 204	15 - 150	1/2″
ARDFA-250(HD)(HDE)(HDS)	34 - 340	25 - 250	1/2″
ARDFA-500(HD)(HDE)(HDS)	67.8 - 678	50 - 500	3/4″
ARDFA-600(HD)(HDE)(HDS)	81.6 - 816	60 - 600	3/4″
ARDFA-750(HD)(HDE)(HDS)	101.7 - 1,017	75 - 750	3/4″

* Add "HD" to part numbers for wear resistant models. Add "HDS" to part numbers for encapsulated wear resistant models.

* Add "HDE" to part numbers for partial encapsulated wear resistant models.

A-50 Screw Presenters

For semi-automated assembly, look no further than AIMCO's Acra-Feed screw presenters

Productive

- One-hand operation eliminates manual handling of screws. Screw is presented to operator for easy magnetic or vacuum pickup
- Keeps workspace clear of dropped fasteners and stray fasteners from getting into assemblies
- Large hopper holds approximately 1,000 1,500 fasteners, and the oscillating hopper design provides a quick feed rate up to two (2) screws per second
- Solid design no tie downs or straps required
- Perfect for contract or dedicated assembly
- Switch rails in minutes for different screw sizes

Ergonomic

· Allows for fewer arm and hand movements

<u>Reliable</u>

- Heavy duty industrial design
- Modular design for easy repairs

<u>Quality</u>

• Uses existing or our new torque control drivers



Standard Screw Presenter

A-50 Standard Screw Presenters

For manual assembly stations where the operator must otherwise pick up and hold fasteners by hand.

	Additional Rail	Scr Siz		Max S Ler	
Model	Part No.	IN	MM	IN	MM
A-50A-0	AR-0	#0	1.4	.39	10
A-50A-1.7	AR-1.7	-	1.7	.39	10
A-50B-1	BR-1	#1	2.0	.75	18
A-50B-2	BR-2	#2	2.3	.75	18
A-50B-3	BR-3	#3	2.6	.75	18
A-50B-4	BR-4	#4	3.0	.75	18
A-50C-6	CR-6	#6	3.5	.75	18
A-50C-8	CR-8	#6-8	4.0	.75	18
A-50C-10	CR-10	#10	5.0	.75	18

Dimensions: 5.1 (W) x 8.5 (L) x 5.3 (H) Weight: 7.0 lb.

Optional Accessories

Model	Part No.
Mag-O-Net Bit	AM1/4Z, AM5Z, AM3/16Z, AM5/16Z
Magnetizer	ATTI/42, ATT32, ATT3/102, ATT3/102



A-50BRBTC-4 Compact Robotic Screw Presenter

A-50ARBTC Compact Robotic Screw Presenters

For automated systems or manual systems using vacuum-assist to pick up nonferrous fasteners when work space is limited.

	Additional Rail	Scr	Nominal Screw Size		Max Screw Length	
Model	Part No.	IN	MM	IN	MM	
A-50ARBTC-0	AR-RBTC-O	#0	1.4	.390	10	
A-50ARBTC-1.7	AR-RBTC-1.7	-	1.7	.390	10	
A-50BRBTC-1	BR-RBTC-1	#1	2.0	.700	18	
A-50BRBTC-2	BR-RBTC-2	#2	2.3	.700	18	
A-50BRBTC-3	BR-RBTC-3	#3	2.6	.700	18	
A-50BRBTC-4	BR-RBTC-4	#4	3.0	.700	18	
A-50CRBTC-6	CR-RBTC-6	#6	3.5	.700	18	
A-50CRBTC-8	CR-RBTC-8	#6-8	4.0	.700	18	
A-50CRBTC-10	CR-RBTC-10	#10	5.0	.700	18	

Dimensions: 7.2 (L) x 4.9 (W) x 5.7 (H) Weight: 6.7 lb.



ACAA-LEED

FASTENING IN 3 EASY STEPS



Load screws into the hopper. There is no side to load unit and no gates to limit capacity.



Address screw with magnetized bit.



Bring screw to workpiece and fasten parts.



A-50ARBT Robotic Screw Presenters

For automated fastening systems or manual systems using vacuum assist to pick up non-ferrous fasteners.

	Additional Rail		ew te	Max Screw Length	
Model	Part No.	IN	MM	IN	MM
A-50ARBT-0	AR-RBT-O	#0	1.4	.39	10
A-50ARBT-1.7	AR-RBT-1.7	-	1.7	.39	10
A-50BRBT-1	BR-RBT-1	#1	2.0	.70	18
A-50BRBT-2	BR-RBT-2	#2	2.3	.70	18
A-50BRBT-3	BR-RBT-3	#3	2.6	.70	18
A-50BRBT-4	BR-RBT-4	#4	3.0	.70	18
A-50CRBT-6	CR-RBT-6	#6	3.5	.70	18
A-50CRBT-8	CR-RBT-8	#6-8	4.0	.70	18
A-50CRBT-10	CR-RBT-10	#10	5.0	.70	18

Dimensions: 5.1" (W) x 10.8" (L) x 5.3" (H) Weight: 9.2 lb.



Reduces Cycle Time By Approximately Two Seconds Per Fastener

FEATURES AND BENEFITS

- Delivers fastener directly to the driver
- For #2 #10 fasteners, up to 1 inch long
- Available for captive washer type screws (A315V)
- Feed speed of up to 1 screw per second
- · System includes feeder, hose assembly, air screwdriver, and FRL

Productive

- Eliminates reaching for fasteners
- Most jams are easily cleared on the line
- Frees operator's hand for productive use
- Large hopper holds between 1,000 5,000 fasteners

Ergonomic

- · Eliminates manual handling of fasteners and shavings
- Reduces workspace clutter
- · Keeps workspace clean of dropped fasteners
- Torque reaction of standard driver is minimal and can be eliminated with optional Ergo-Arm

<u>Reliable</u>

- Longest warranty in the industry 3 years
- Rocking Bar design only operates as needed
- "Photo eyes" maximize motor life
- Design eliminates burrs and shavings by minimal handling of the fastener
- Durable head assembly lasts for years
- There are more Acra-Feed systems in use than any other system





Acra-Feed Screw Feed Systems

	Applicable	Screw	Length				Dimensions
Model	Screws	IN	MM	Hopper Capacity	Max Fastening Speed	Weight (Lb)	L x W x H (In)
A2100 Series	M2-M5 (#2 - #10)	1/4-1	6-25	1,500cc (1,000-5,000 pcs)*	60 screws/min*	68	7 x 17 x 16
A315V Series	M2-M5 (#2 - #10)	1/4-1	6-25	450cc (500-2,500 pcs)*	60 screws/min*	74	10 x 21 x 16

* Dependent on screw size

Delivery Hose: 10 ft Air Pressure: 85 psi Power: AC 110V, 20W, AC 220V by request. Contact AIMC0 at 1-503-254-6600, or toll free 1-800-852-1368.

HOW TO ORDER: Acra-Feed systems are application-specific and configured to the unique workpiece and requirements of the user. Quotations are provided from a review of sample workpieces, 25 fasteners, and required torque specifications.

Gravity-Defying Balancers

TW SERIES BALANCERS



TW Series Balancers

Anti-Gravity Capacity Model KG I B Cable Capacity (LB) TW-00 1.1 - 3.3 0.5 - 1.5 2.5 - 3.0 18" stranded steel cable 1/8 dia. 1.1 - 3.3 0.5 - 1.5 2.5 - 3.0 TW-0 3.3-ft stranded steel cable 1/8" dia.. 2.2 - 6.6 1.0 - 3.0 4.5 - 6.0 4.3-ft stranded steel cable 5/32" dia. TW-3 TW-5 5.5 - 11.0 2.5 - 5.0 8.0 - 10.5 4.3-ft stranded steel cable 5/32" dia. TW-9 4.5 - 9.0 15.0 - 19.0 4.3-ft stranded steel cable 5/32" dia. 9.9 - 19.8 9.0 - 15.0 4.3-ft stranded steel cable 5/32" dia. TW-15 19.8 - 33.0 26.0 - 32.5 15 - 22 41.0 - 48.0 5-ft stranded steel cable 3/16" dia. TW-22 33.0 - 48.4 TW-30 48.4 - 66.0 22 - 30 58.0 - 65.5 5-ft stranded steel cable 3/16" dia. TW-40 66.0 - 88.0 30 - 40 77.5 - 87.5 5-ft stranded steel cable 3/16" dia. 40 - 50 TW-50 88.0 - 110.0 100.0 - 109.5 5-ft stranded steel cable 3/16" dia. TW-60 110.0 - 132.0 50 - 60 122.0 - 131.0 5-ft stranded steel cable 3/16" dia. TW-70 132.0 - 154.0 60 - 70 144.0 - 153.0 5-ft stranded steel cable 3/16" dia.

TW-0 and TW-00

balance"

worker fatigue

360° upper swivel Safety cable provision

Tool clip included

tensioning

Gravity defying / "true

· Easy external direct drive

No tension buildup to cause



TW-3 through TW-70

- Tapered drum allows "true balance" throughout cable travel
- Easy external direct drive tensioning
- Cast aluminum casing for durability ٠
- Permanent lubrication
- 360° top swivel •
- Enclosed spiral spring for added safety
- Safety chain provision (TW-3 through TW-15 models)
- Automatic safety lock plus manual drum lock (TW-22 through TW-70)

ASB SERIES BALANCERS

- Built-in Safety Features: The cable, drum, and enclosed • spring are fully visible without opening the unit for easy and convenient safety checks. The sturdy spiral spring is enclosed for greater control and safety
- Ergonomic Spring Release: The automatic safety lock • provides extra control
- Extended Cable Length: Stainless steel cables allow for ٠ extended reach on applications
- Enhanced Gear Mechanism: Allows for more exact adjustment of tension
- No Recoil and Low Resistance: Tapered drum style provides • gravity defying tool positioning and low travel



ASB-OC Gravity Defying and Hand Adjustable Balancer



ASB-3C ASB-5C

ASB Series Balancers

Model	Сар	acity	Stro	oke	We	ight	Å
ASB-OC	1.1 - 3.3 lb	0.5 - 1.5 kg	51.1 in	130 cm	1.5 lb	0.7 kg	-)
ASB-3C	3.3 - 6.6 lb	1.5 - 3 kg	86.4 in	220 cm	3.0 lb	1.4 kg	
ASB-5C	5.5 - 11 lb	2.5 - 5 kg	86.4 in	220 cm	3.4 lb	1.5 kg	6

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Line Reel Balancers / Retractors

LINE REEL BALANCERS

LR Series

- Designed for light duty applications with small pneumatic tools
- Integrating air hose and support cable keep work areas clean
- Adjustable ball stop for optional positioning
- 1/4" I.D. polyvinyl hose with 1/4" NPT inlet
- 360° upper swivel
- Maximum 142 PSI



Model

LR-09B-90

LR-09B-200

Hose Length

90 cm

199 cm

35.5 in

78.3 in

RETRACTORS

RPA Series

- No tools needed to set tension
- 5 ft nylon coated steel cable
- Reinforced hanging bracket includes safety cable provision
- Adjustable cable stop
- Three (3) models support weight 0.5 5 lb
- Tool clip included

RMA-L Series

- Steel housing with polyester finish
- Reinforced hanging bracket includes safety cable provision
- 8 ft of 3/32" diameter coated steel cable
- Permanently lubricated
- Tool clip included
- External tension adjustment
- Ratchet cable lock

RPA / RMA-L Series Retractors

Model	Сара	city
RPA-1	0.5 - 1.5 lb	0.2 - 0.7 kg
RPA-2	1.5 - 3.0 lb	0.7 - 1.4 kg
RPA-3	3.0 - 5.0 lb	1.4 - 2.3 kg
RMA-7L	5 - 10 lb*	2.3 - 4.8 kg*
RMA-15L	10 - 15 lb*	4.5 - 6.8 kg*
RMA-20L	15 - 23 lb*	6.8 - 10.4 kg*

* With ratchet lock



RMA-L Series



Capacity

1.5 kg

1.5 kg

3 lb

3 lb

RPA Series



Versatile Ergo Arms Absorb Torque Reaction while Perfectly **Balancing Tool Weight**

> AIMCO's Ergo Arms reduce operator fatigue for electric and pneumatic tools. The versatile, easy-to-assemble kits include both single and parallel rails for customizing tool rigidity to the customer's preference.

> 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.

> > www.aimco-global.com

Tools recommended for use with this arm:

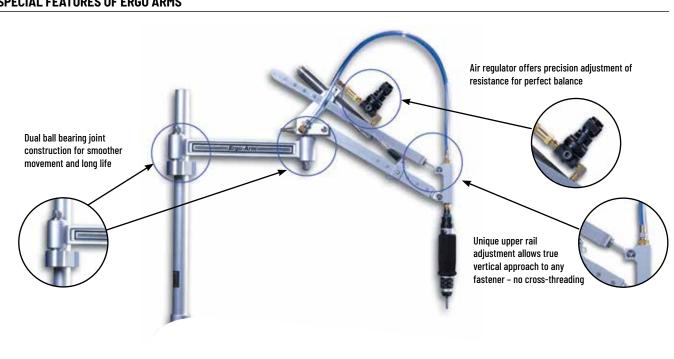
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- AcraDyne 1000 and 2000 Series
- Uryu LT Series Pneumatic Screwdrivers

 Electra Electric Screwdrivers • Inline Tools



(503) 254-6600

(800) 852-1368

SPECIAL FEATURES OF ERGO ARMS

ERGO ARM FEATURES AND BENEFITS



PARALLEL ARM SERIES

AD-D1098-P, AD-D1098-PAC, AD-D1098-PACE

- · Allows for freedom of movement
- Vertical adjustment eliminates cross-threading
- Fixtured tool increases repeatability •
- Adjustable reach •
- Available in air or oil cylinder models
- Electric tool mount standard on PACE model •



SINGLE ARM SERIES

AD-D1098-S, AD-D1098-SAC

- Full tool rotation •
- Allows for freedom of movement •
- Adjustable reach ٠
- Compatible with automatic screw feeder ٠
- Available in air or oil cylinder models

			Re	each	Сара	acity	Maximum	n Torque*
Model	Arm Style	Tool Mount	IN	MM	LB	KG	IN-LB	NM
AIR CYLINDER SERIES	S							
AD-D1098-SAC	Single	Air manifold	4 - 33	102 - 838	0 - 15	0 - 7	110	12
AD-D1098-PAC	Parallel	Air manifold	4 - 33	102 - 838	0 - 15	0 - 7	110	12
AD-D1098-PACE	Parallel	Electric	4 - 33	102 - 838	0 - 15	0 - 7	110	12
OIL CYLINDER SERIES	S							
AD-D1098-S	Single	Air manifold**	4 - 33	102 - 838	0 - 15	0 - 7	110	12
AD-D1098-P	Parallel	Air manifold	4 - 33	102 - 838	0 - 15	0 - 7	110	12

AD Series Ergo Arms

* Max torque allowed may be dependent on tool clutch type and joint rate ** For single arm electric tool mount, order EAP-202ED-KIT

Workstation Components and Assemblies

COMPONENTS

TRACK

Steel with beige polyester finish. Use for vertical and horizontal workstation support.

PART NUMBER	30# TRACK	1.26
AT3-3	3 ft track	
AT3-4	4 ft track	1.18 14 GA
AT3-6	6 ft track	
AT3-9*	9 ft track	「 → → 0.47
PART NUMBER	50# TRACK	1.575
AT5-3	3 ft track	
AT5-4	4 ft track	1.575 11 GA
AT5-6	6 ft track	
AT5-9*	9 ft track	I → 0.55
AT5-12*		

TRACK NUT (ATN-3/5)

Zinc plated steel. Use to attach accessories to track, as end stops, or to isolate rolling accessories.

- ATN-3 for 30 lb. track
- ATN-5 for 50 lb. track

END STOP (AES-3/5)

Zinc oxide finish. Use to prevent balancer trolley from "overtraveling" horizontal track

0.562 DIA

- AFS-3 for 30 lb, track
- AES-5 for 50 lb. track

MOUNTING PLATE (AMP-5)

Black polyester finish. Use as a base to mount vertical uprights.

END CAP (AEP-3/5)

Black molded vinyl. Use to cap track ends for a professional finish.

5.00

- AEP-3 for 30 lb. track
- AEP-5 for 50 lb. track

ANGLE BRACKET (AB-3/5)

Black polyester finish. Use to mount horizontal track to vertical track.

- AB-3 for 30 lb. track
- AB-5 for 50 lb. track

JOINT HANGER

BRACKET (AJH-3/5) Black polyester finish. Use to couple and hang end-to-end track. • AJH-3 for 30 lb. track

• AJH-5 for 50 lb. track

BALANCER TROLLEY (ABT-3/5)

Black polyester finish. Use as moving support for tool balancers hose, and cable. Quality ball bearing wheels for long life

- and smooth tracking. • ABT-3 for 30 lb track (1.00 dia)
- ABT-5 for 50 lb track (1.25 dia)
- HANGER BRACKET (AHB-3/5)

Black polyester finish. Use to suspend track at right angle.

- AHB-3 for 30 lb. track
- AHB-5 for 50 lb. track

VERTICAL COLUMN (AVC-5*)

Beige polyester finish, 3″ diameter x 9 ft upright steel column with welded base. Use as floor mount for extra stability with jibs or workstation components.

0.41 DIA TYP

2.50

1.50

HOSE/CABLE TROLLEY

Black polyester finish. Use for moving cable or hose festoon. Supports hose cable OD.60-.94. • AIC5-2 for 50 lb. track

U-BOLTS (AUB-5)

6 00

6.00

(152)

Zinc plated steel. Use to secure boom bracket, or any flat metal plate, to AVC-5 (sold individually).

SUPPORT CLAMPS

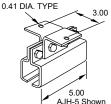
(ASC-3/5) Black polyester finish. Use as

additional support for track.

- ASC-3 for 30 lb. track
- 0.531 DIA. TYP • ASC-5 for 50 lb. track

TOOL CLIP (SH-5)

Steel clip with safety latch. Use for tool attachment and as replacement clip for lightweight tool balancers. Measures 2.37" long.



<u></u>4.5

90° CONNECTOR FOR 3/8" HOSE (WSCH)

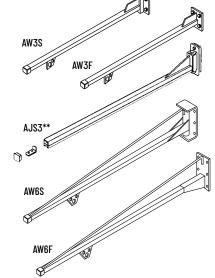
3/8" I.D. Brass. Use to provide stable transfer point from air line to tool. 90 degree connector attaches to ABT-5.



WALL- AND FLOOR- MOUNTED JIBS

3 FT. SWINGING JIB (AW3S) 3 FT FIXED JIB (AW3F) **3 FT. SWINGING JIB FOR CHANNEL MOUNT** (AJS3**)

Jibs are mounted to wall or beams to create free standing workstations. End stop, end cap, and balancer trolley included. Maximum weight: 30 lb.



6 FT. SWINGING JIB (AW6S) 6 FT FIXED JIB (AW6F)

Jibs can be wall mounted or attached to vertical column (AVC-5) to create a freestanding workstation. End stop, end caps, and balancer trolley are included. Maximum weight: 50 lb.

All complete assemblies are beige polyester finish and include balancer trolley, end caps, and end stops. Floor mounted assemblies are not able to ship via UPS.

When choosing a workstation system, remember...

Total weight capacities should include tool balancer, hose/cable, and tool/fixture. Units need to be supported vertically and horizontally every 6 ft.

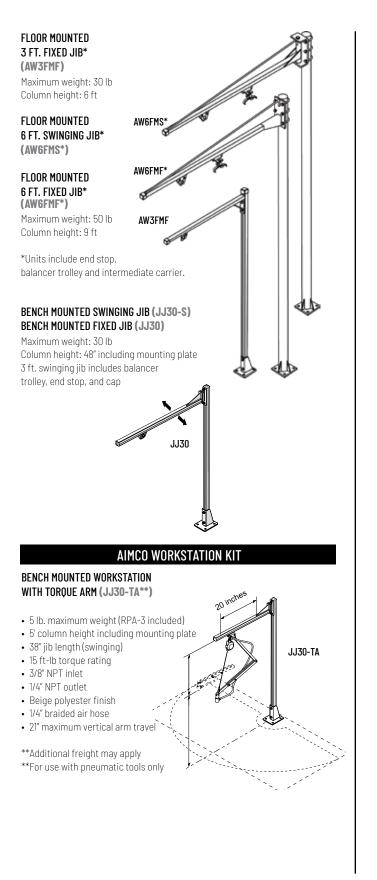
** Additional freight may apply

** AJS3 Does not include balancer trolley

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Workstation Components and Assemblies



CREATE A CUSTOM SUPPORT SYSTEM USING AIMCO'S QUALITY PRODUCTS

• Organize work area to create a safe, productive working environment

- Reduce risk of injury to assembler by providing support for heavy tools
- Protect valuable tools, fixtures, and monitoring devices from damage by suspending them out of the way

AIMCO BASIC WORKSTATION KIT (ATW-50)



- 50 lb maximum weight capacity
- 48″ uprights
- 36" extensions
- Table mounts included
- 6' tool rail with rolling trolley included
- All necessary hardware included

TROLLEY MOUNTED TORQUE ARM WITH 3-LB RETRACTOR AND HOSE (FA-50-2*)

Ergonomic arm absorbs torque reaction. Moves front to back along overhead jib.

(TA-50-2) Moves side to side on overhead track.





TOOL BASKET (21226)

Mounts easily to any work area to hold pistol and angle style tools.

AIMCO can customize a workstation for you. Contact an AIMCO Customer Service Associate 1-503-254-6600, or toll free 1-800-852-1368.

AFRL STACKING FILTER/REGULATORS

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

AFRL-3

AFRL-4

AFRL-8

AFRL-2-C

AFRL-3-C

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FEATURES AND BENEFITS

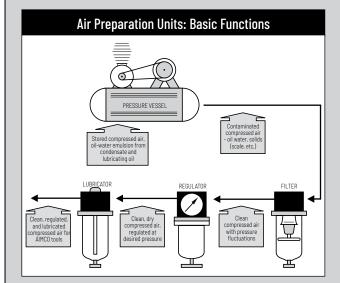
- All models include L-mount bracket, gauge, and metal bowl shields
- Polycarbonate filter and lubricator bowls (metal bowls standard on AFRL-8)
- 25-micron filter included on all models
- Regulating range: 7 125 PSI
- Custom order upgrade items include metal bowl, 5 micron filter, semi-automatic filter 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 Stacking Filter/Regulators

		Gauge	Flow	/ Rate	Bowl	Н	HB	HS	L	LS	TB	TG	TR
Model	Port	Port	CFM	L/MIN	Shield	IN/MM	IN/MM	IN/MM	IN/MM	IN/MM	IN/MM	IN/MM	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)

28178 HT Air Tool/AFRL

Carrying Kit



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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

AFRL-4HTA Standalone Unit

- 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?

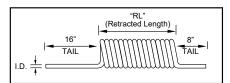


Air Line

Polyurethane Hose



• 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

Single Air Hose Assemblies (Coiled)

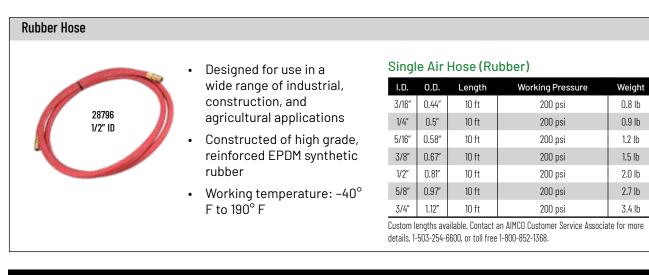
Model	Description (O.D. x I.D. x Length)	Retracted Length	Working Pressure	Npt Fittings
ASH-250C-10MSZ	3/8" x 1/4" x 10'	7″	100 psi	1/4″
ASH-250C-15MSZ	3/8″ x 1/4″ x 15′	9-1/2″	100 psi	1/4″
ASH-250C-25MSZ	3/8" x 1/4" x 25'	15-1/2″	100 psi	1/4″
ASH-375C-15MSZ	9/16" x 3/8" x 15'	10″	100 psi	3/8″
ASH-375C-25MSZ	9/16" x 3/8" x 25'	14″	100 psi	3/8″
ASH-500C-15MSZ	3/4" x 1/2" x 15'	13″	100 psi	1/2″
ASH-500C-25MSZ	3/4" x 1/2" x 25'	23″	100 psi	1/2″



Straight Air Hose (Sold Per Foot)				
Model	Description			
ASH-375Z	3/8″ I.D.			
ASH-500Z	1/2″ I.D.			
Contact an AIMCO Custome	r Service Associate about full			

reel pricing, 1-503-254-6600, or toll free 1-800-852-1368.

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.



Helpful Hints For Air Hose Use

- Use recommended I.D. air hose and fittings
- Replace air hose regularly to help maintain clean air
- A clear hose allows you to see water or dirt accumulation in hose
- Use correct length of hose to reduce air loss and pressure drop
- Use locking quick-disconnect couplers for additional safety

QUALITY • INNOVATION • SERVICE

Air Line Accessories

BRASS QUICK COUPLERS

Manual ball couplers designed for use with ergonomic twist plugs. Brass with nitrile seals, rated to 300 PSI, from -40° to +250° F.



Model	Description
B23	1/4" NPT F x 1/4" QC Brass Coupler
B23E	1/4" NPT F x 3/8" QC Brass Coupler
B25	3/8" NPT F x 3/8" QC Brass Coupler

IN-LINE MINI REGULATORS

Easily adjust airflow with the turn of a dial.

Model	Capacity
932-100-0	1/8″ NPT
932-110-0A	1/4" NPT

MINI AIR GAUGE SWIVEL JOINT KITS

- Bi-directional 360° rotation •
- Keeps air hose straight and • untwisted
- Decreases operator fatigue



7021AG

SWIVEL AIR FITTINGS

For use with most portable air tools, including grinders, drills, screwdrivers, buffers, sanders, staple guns, and more. Rotates 360° for awkward angles.



Model	Inlet	Weight	Max PSI	Tool CFM
7021	1/4" NPT	3 oz	Up to 125	25
7041A	3/8″ NPT	11 oz	Up to 125	50
7051	1/2" NPT	7 oz	Up to 125	60

375

AIR LINE FITTINGS

Model	Capacity
250-RZ	1/4″ NPT Rigid Fitting
250-SZ	1/4″ NPT Swivel Fitting
375-RZ	3/8″ NPT Rigid Fitting
375-SZ	3/8″ NPT Swivel Fitting
500-SZ	1/2″ NPT Swivel Fitting

BRASS ADAPTERS AND BUSHINGS

Pipe fittings for use as medium and low pressure connectors. Meets functional requirements of SAE J530, SAE J531, ASME and ASA. Rated 1,000 PSI from -65° to +250° F.

-111111000-	500-SZ
209P-8-6	
222P-6-4	222P-8-6

Model	Description
222P-6-4	3/8″ NPT F x 1/4″ NPT M Adapter
222P-8-6	1/2″ NPT F x 3/8″ NPT M Adapter
222P-12-8	3/4″ NPT F x 1/2″ NPT M Adapter
209P-6-4	1/4″ NPT F x 3/8″ NPT M Bushing
209P-8-6	3/8" NPT F x 1/2" NPT M Bushing

Model	Inlet	Weight	Max Psi	Tool CFM
7021AG	1/4" NPT	3 oz	Up to 125	25
7041AG	3/8" NPT	3 oz	Up to 125	50

ERGONOMIC TWIST PLUGS

These unique, ergonomically designed hose fittings provide 360° rotation and 35° angled rotation in any direction.

- Two rotation points prevent kinking of air hose
- Design ensures full air pressure flow •

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- Rotating joint comes with ٠ polyurethane dust cover
- Heavy duty construction

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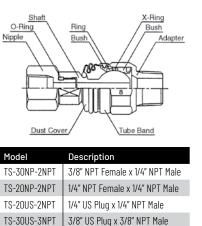


TS-20US-2NPT





TS-30US-3NPT	





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AIMCO CORPORATION DE MEXICO SA DE CV Ave. Cristobal Colon 14529 Chihuahua, Chihuahua. 31125 Mexico Phone: (01-614) 380-1010 Fax: (01-614) 380-1019

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