



TOOL SUPPORT SYSTEMS

2019



AIMCO

For over 40 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 Thailand fastening a 3 mm nut at 3 Nm, or in Tennessee, USA torquing the last lug nut. 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 **MADE IN THE USA.**

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ERGO-ARM TOOL SUPPORT SYSTEMS

FEATURES AND BENEFITS

- Ergonomic support for electric and pneumatic tools reduces operator fatigue
- Increases productivity, consistency, and accuracy



AD-D1098-PAC



AD-D1098-SAC

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
- Compatible with automatic screw feeder
- Available in air or oil cylinder models

MODEL	ARM STYLE	TOOL MOUNT	REACH		CAPACITY		MAXIMUM TORQUE*	
			IN	MM	LB	KG	IN-LB	NM
AIR CYLINDER SERIES								
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								
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

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

** For single arm electric tool mount, order EAP-202ED-KIT

SPECIAL FEATURES OF CLASSIC STYLE ERGO-ARM

Dual ball bearing joint construction for smoother movement and long life

Air regulator offers precision adjustment of resistance for perfect balance

Unique upper rail adjustment allows true vertical approach to any fastener – no cross-threading

ERGO-ARM ACCESSORIES & LINEAR ARMS

ERGO-ARM ACCESSORIES

- End-of-Arm Tooling options for the Ergo-Arm allow you to choose the style right for your application
- Tool holders permit the tool to swivel, rotate, swing, or twist. Heavy duty construction can lock out any single, or combination of rotating, actions allowing only the motions required by your application
- End-of-Arm Tooling Brackets are simple to use. One Ergo-Arm can be used for more than one application

FOR USE WITH MODELS
AD-D1098-S/SAC



EAP-202ED-KIT
Electric Driver Tool
Mount Kit

FOR USE WITH MODELS
AD-D1098-P/PAC



EAP-203-ASSY
Air Manifold
Tool Mount Kit
(Standard on
parallel units)



EAP-202ASSY
Driver Tool
Mount

PARALLEL ARM KIT



EAA-04 - Provides easy conversion of standard Ergo-Arms to the parallel style.

ALA & AFA SERIES LINEAR ARMS

ERGONOMIC SUPPORT FOR ELECTRIC AND PNEUMATIC TOOLS REDUCES OPERATOR FATIGUE

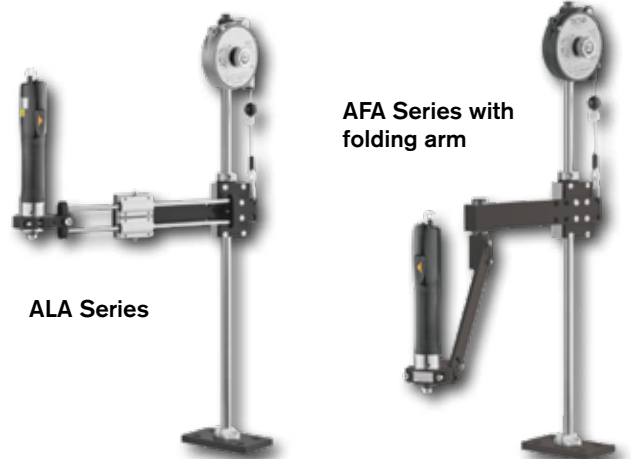
The ALA Series (AIMCO Linear Arm) is constructed with precision linear slides and bearings for precise tool movements. The AFA Series (AIMCO Folding Arm) is configured with aluminum alloy beams connected by an elbow joint for working with tools in tight spaces.

ALA Series

- Constructed of lightweight aluminum
- Improves fastening quality and productivity
- Maintains perpendicularity of the tool to the application
- Absorbs torque reaction
- Counterbalances tool mass

AFA Series

- Includes all the features of the ALA Series
- Folding elbow joint allows for closer reach to post for tight workspaces



ALA Series

AFA Series with
folding arm

MODEL	MAX. TORQUE		MAX. TOOL WEIGHT		REACH		TOOL DIAMETER	
	NM	FT-LB	KG	LB	MM	IN	MM	IN
ALA SERIES LINEAR ARM								
ALA5-200	5	3.7	2	4.4	317- 519	12.5 - 20.4	23 - 40	1.0 - 1.6
ALA15-200	15	11.1	3	6.6	317- 519	12.5 - 20.4	23 - 40	1.0 - 1.6
ALA10-400	10	7.4	2	4.4	517- 919	20.4 - 36.2	23 - 40	1.0 - 1.6
ALA40-300	40	29.5	3	6.6	417- 719	16.4 - 28.3	32 - 47	1.3 - 1.9
ALA200-400	200	147.5	10	22.0	517- 919	20.4 - 36.2		
ALA400-400	400	295	20	44.0	517- 919	20.4 - 36.2		
AFA SERIES WITH FOLDING ARM								
AFA5-400	5	3.7	2	4.4	0 - 470	0 - 18.5	23 - 40	1.0 - 1.6
AFA15-400	15	11.1	3	6.6	0 - 470	0 - 18.5	23 - 40	1.0 - 1.6
AFA10-550	10	7.4	2	4.4	0 - 620	0 - 24.2	23 - 40	1.0 - 1.6

GCI TORQUE REACTION 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 encoders and intuitive PC-based AdaptiCS software. This complete Smart Arm system error-proofs even the most complex torque applications.

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
 - Intuitive, user-friendly AdaptiCS PC-based software that runs on an integrated industrial PC or on a customer supplied PC
 - Accepts easily scalable part images

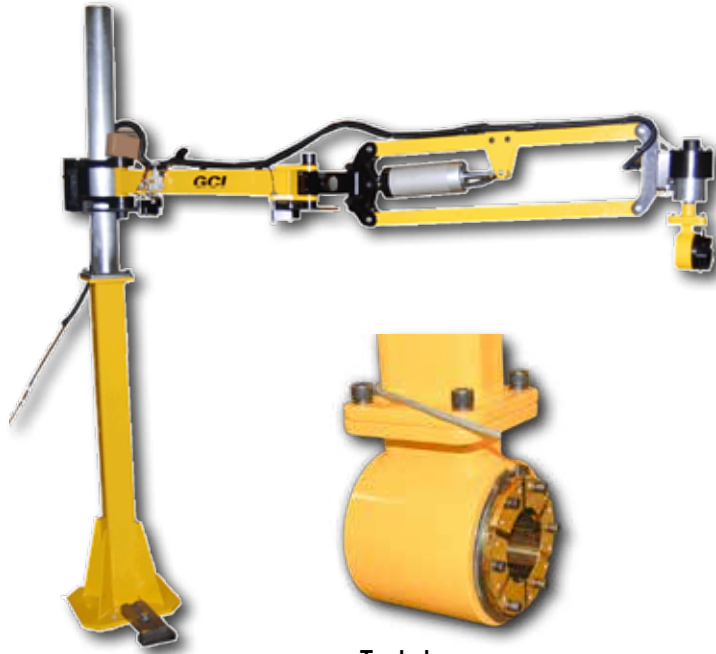


**Rugged tablet
PC option for Smart Arm**

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 TORQUE REACTION ARMS

FEATURES



Parking brake and
main rotation stops



Tool sleeve

Discrete brake
tooling rotation



Remote starts

Additional Smart Arm Features



Discrete brake end
rotation with encoder

Encoded tool
sleeve



ENCODER OPTIONS FOR GCI 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 10 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



CARBON TORQUE ARMS / TUBES

CARBON TORQUE ARMS / TUBES

Carbon Arms and Carbon Torque tubes 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.

FEATURES AND BENEFITS

- Absorb torque reaction from continuous drive tools
- Counter balance tool weight when configured with AIMCO's wide array of tool balancers (page 17) or with integrated balancer kits
- Orient tool correctly to the workpiece to improve efficiency and reduce operator effort in alignment to the fastener



ENCODER OPTIONS

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 10 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

GEN IV SMART ARM SYSTEM WITH PROCESS VISUALIZATION

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

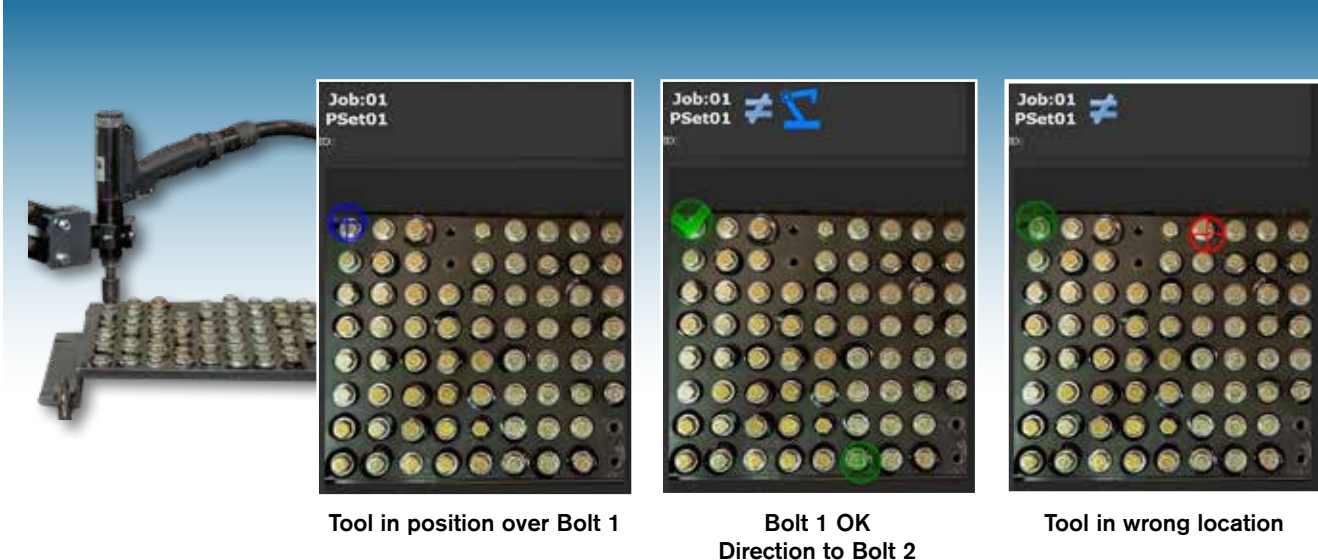
AcraDyne Gen IV Controller's smart arm capability provides an advanced error-proofing solution to ensure the quality of your fastening operation. The process requires no external PC or software – the capability is on-board every Gen IV controller.

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.



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

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

Encoders located at each joint of the arm.

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



Smart Arm Accessory

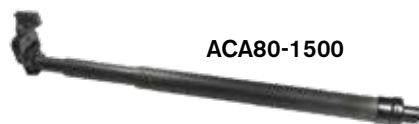
Gen IV Controller with Large 7" Touch Screen

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.

CARBON TORQUE ARMS / TUBES

TELESCOPIC TORQUE ARMS



ACA80-1500



ACA-V15-1000



ACA-P240-2500

ACA Series

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	1,566	15
ACA15-2000	806	2,046	15
ACA40-1000	486	1,066	40
ACA40-1500	646	1,566	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

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-V40-2500	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 Series X,Y Axis Encoders

(Requires ACA-POSIX 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

ABMJ SERIES BENCH-MOUNT JIB ARMS



ABMJ Series

CUSTOMIZABLE BENCH-MOUNT JIB ARMS COMPLEMENT ACA SERIES TORQUE ARMS

AIMCO's Bench Mount Jibs Arms (ABMJ Series) include a jib, two sliding trolleys, and a base – just attach an AIMCO telescopic or anti-rotation torque arm or torque tube for a completely customized system.

FEATURES AND BENEFITS

- Constructed of lightweight aluminum
- Two-Point secure for horizontal job for sound structure and safety
- Includes 2 sliding trolleys and base plate for easy mounting.
- As many as 4 beams can be attached to a pillar
- Adjustable height adjustment for jib mount

Carbon Arm, Tool, and Balancer shown for concept. Items sold separately.

MODEL	HEIGHT		BEAM LENGTH		MAX. TOOL WEIGHT			PIVOT RANGE
	MM	IN	MM	IN	KG	LB		
ABMJ SERIES - BENCH-MOUNT JIB ARM								
ABMJ1200-600	1,200	47.2	600	23.6	6	13.2	180°	
ABMJ1200-1000	1,200	47.2	1,000	39.4	6	13.2	180°	
ABMJ2000-1000	1,200	47.2	1,000	39.4	4	8.8	180°	

CARBON TORQUE ARMS / TUBES

ANTI-ROTATION TORQUE ARMS



ACTT-V40-850 300

ACTT SERIES 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



ACPTT SERIES TORQUE TUBES FOR ACSA ARTICULATING SUPPORT ARMS

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

ACCESSORIES

TOOL HOLDERS

MODEL	DESCRIPTION
FOR ACRADYNE TOOLS	
ACAH-40PS3-1000	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

MODEL	DESCRIPTION	MIN. TOOL GRIP (MM)	MAX. TOOL GRIP (MM)
FOR TELESCOPIC ARMS			
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			
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			
ACAH-S154080	Swivel tool holder 20 to 35 mm	20	35
ACAH-SL151150	Swivel tool holder 40 to 55 mm	40	55

FOR ANTI-ROTATION ARMS			
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-40S-2745	Straight Tool Holder, 40/80 Nm Arms	27	45

Straight

Angle

ACSA ARTICULATING SUPPORT ARMS



ACSA-600-1500

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

BALANCER KITS FOR ACA-P2 SERIES

MODEL	MIN. CAPACITY (KG)	MAX. CAPACITY (KG)
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



ACA-P2BK-10

CUSTOM REACTION DEVICES

CUSTOM REACTION DEVICES

- Torque Tubes
- Articulating Torque Arms
- 3arm Ergonomic Arms
- Smart Arms
- Smart Arms with Process Visualization Capabilities



**3arm
Ergonomic
Arm**



**Articulating
Smart Carbon
Arm**



**Articulating
Torque Arm**



**Carbon Fiber
Arm**

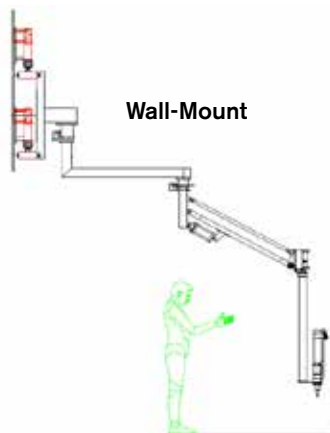


Torque Tube

Contact an AIMCO Customer Service Associate, 1-503-254-6600, or toll free 1-800-852-1368, in order to determine the exact torque reaction system needed to improve the productivity and ergonomics of your assembly station.

TOOL MOUNTING OPTIONS

AIMCO provides many head and mounting options to fit almost any application. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



Wall-Mount



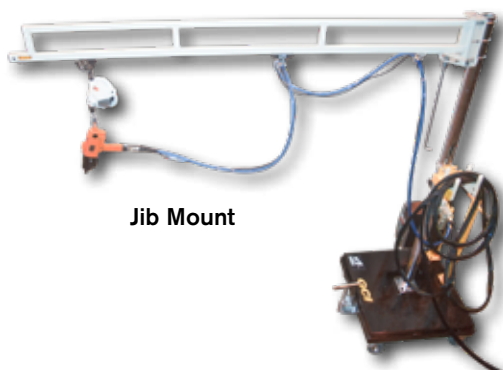
**Overhead Trolley
Mount**



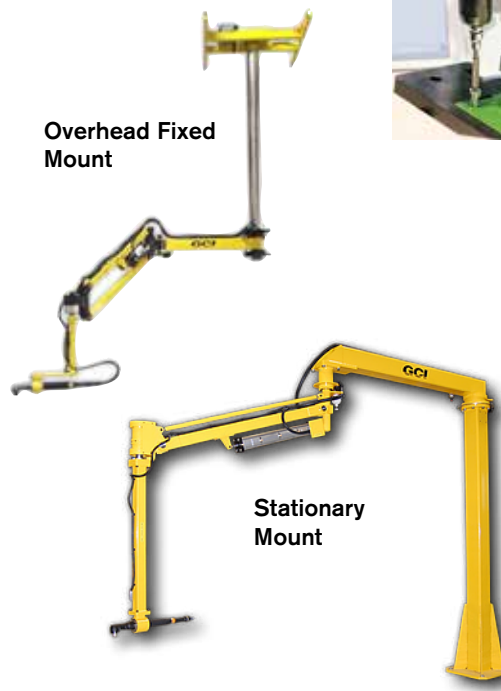
Mobile



**Overhead Fixed
Mount**



Jib Mount



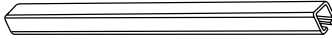
**Stationary
Mount**

WORKSTATION COMPONENTS AND ASSEMBLIES

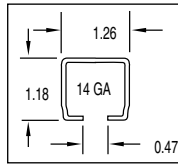
COMPONENTS

TRACK

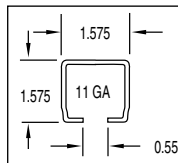
Steel with beige polyester finish. Use for vertical and horizontal workstation support.



PART NUMBER	30# TRACK
AT3-3	3 ft track
AT3-4	4 ft track
AT3-6	6 ft track
AT3-9*	9 ft track



PART NUMBER	50# TRACK
AT5-3	3 ft track
AT5-4	4 ft track
AT5-6	6 ft track
AT5-9*	9 ft track
AT5-12*	12 ft track



TRACK NUT (ATN-3/5)

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

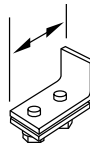
- ATN-3 for 30 lb. track
- ATN-5 for 50 lb. track



END STOP (AES-3/5)

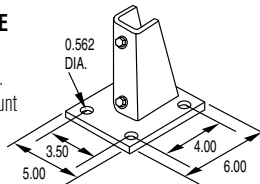
Zinc oxide finish. Use to prevent balancer trolley from "overtouring" horizontal track.

- AES-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.

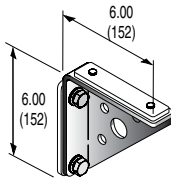
- AEP-3 for 30 lb. track
- AEP-5 for 50 lb. track



ANGLE BRACKET (AB-3/5)

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

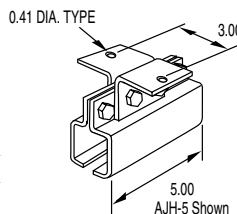
- AB-3 for 30 lb. track
- AB-5 for 50 lb. track



JOINT HANGER BRACKET (AJH-3/5)

Black polyester finish. Use to couple and hang end-to-end track.

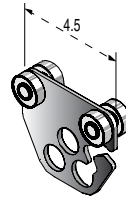
- AJH-3 for 30 lb. track
- AJH-5 for 50 lb. track



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.

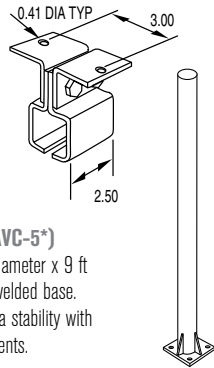
- ABT-3 for 30 lb track (1.00 dia)
- ABT-5 for 50 lb track (1.25 dia)



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



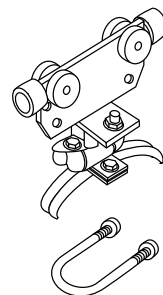
VERTICAL COLUMN (AVC-5*)

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.

HOSE/CABLE TROLLEY

Black polyester finish. Use for moving cable or hose festoon. Supports hose cable OD .60-.94.

- AIC3-2 for 30 lb. track
- AIC5-2 for 50 lb. track



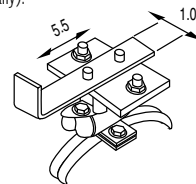
U-BOLTS (AUB-5)

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



END CLAMP (AEC5-2)

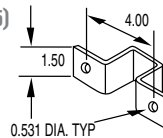
Black polyester finish. Use as end stop with hose carrier for festoon. Cable/hose OD .60-.94.



SUPPORT CLAMPS (ASC-3/5)

Black polyester finish. Use as additional support for track.

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



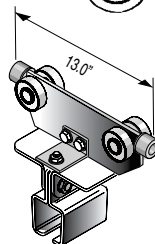
TOOL CLIP (SH-5)

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



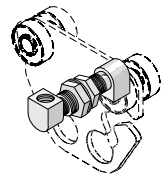
ROLLING HANGER (ABT5-R)

Black polyester finish. Use as support for rolling track. Allows X/Y axis movement, includes ball bearing wheels.



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.



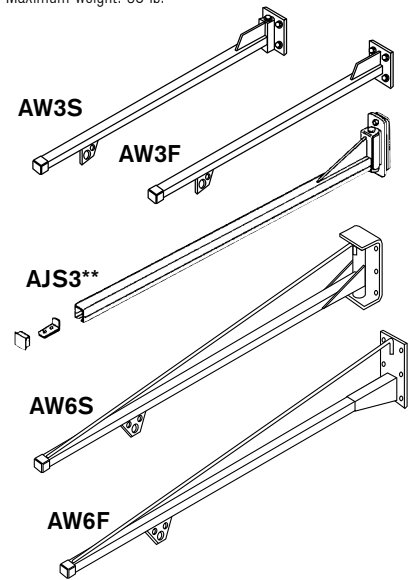
WALL- AND FLOOR-MOUNTED JIBS

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

WORKSTATION COMPONENTS AND ASSEMBLIES

**FLOOR MOUNTED
3 FT. SWINGING JIB***
(AW3FMS)

**FLOOR MOUNTED
3 FT. FIXED JIB***
(AW3FMF)

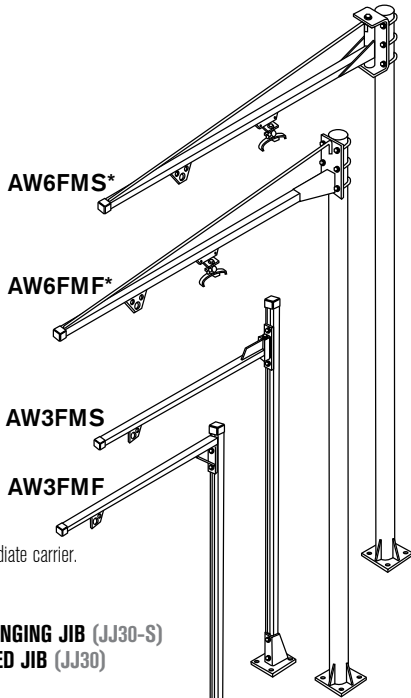
Maximum weight: 30 lb
Column height: 6 ft

**FLOOR MOUNTED
6 FT. SWINGING JIB***
(AW6FMS*)

**FLOOR MOUNTED
6 FT. FIXED JIB***
(AW6FMF*)

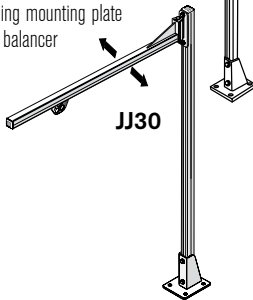
Maximum weight: 50 lb
Column height: 9 ft

*Units include end stop,
balancer trolley and intermediate carrier.



**BENCH MOUNTED SWINGING JIB (JJ30-S)
BENCH MOUNTED FIXED JIB (JJ30)**

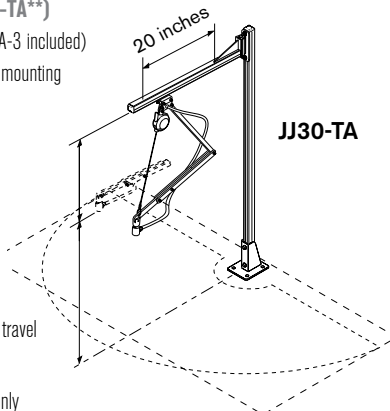
Maximum weight: 30 lb
Column height: 48" including mounting plate
3 ft. swinging jib includes balancer
trolley, end stop, and cap



AIMCO WORKSTATION KIT

**BENCH MOUNTED WORKSTATION
WITH TORQUE ARM (JJ30-TA**)**

- 5 lb. maximum weight (RPA-3 included)
- 5' column height including mounting plate
- 38" jib length (swinging)
- 15 ft-lb torque rating
- 3/8" NPT inlet
- 1/4" NPT outlet
- Beige polyester finish
- 1/4" braided air hose
- 21" maximum vertical arm travel



**Additional freight may apply
**For use with pneumatic tools only

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)



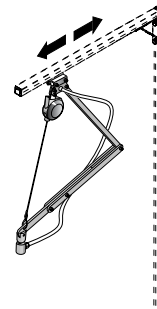
- 50 lb maximum weight capacity
- 48" uprights
- 36" extensions
- Table mounts included
- 6' tool rail with rolling trolley included
- All necessary hardware included

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.

GRAVITY-DEFYING BALANCERS

TW-SERIES BALANCERS



TW-0 and TW-00

- Gravity defying / “true balance”
- No tension buildup to cause worker fatigue
- Easy external direct drive tensioning
- 360° upper swivel
- Safety cable provision
- Tool clip included



TW-3 through TW-70

- Tapered drum allows “true balance” throughout cable travel
- Easy external direct drive tensioning
- Cast aluminum casing for durability
- 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)

MODEL	CAPACITY		ANTI-GRAVITY CAPACITY (LB)	CABLE
	LB	KG		
TW-00	1.1 - 3.3	0.5 - 1.5	2.5 - 3.0	18" stranded steel cable 1/8" dia.
TW-0	1.1 - 3.3	0.5 - 1.5	2.5 - 3.0	3.3-ft stranded steel cable 1/8" dia.
TW-3	2.2 - 6.6	1.0 - 3.0	4.5 - 6.0	4.3-ft stranded steel cable 5/32" dia.
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	9.9 - 19.8	4.5 - 9.0	15.0 - 19.0	4.3-ft stranded steel cable 5/32" dia.
TW-15	19.8 - 33.0	9.0 - 15.0	26.0 - 32.5	4.3-ft stranded steel cable 5/32" dia.
TW-22	33.0 - 48.4	15 - 22	41.0 - 48.0	5-ft stranded steel cable 3/16" dia.
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.
TW-50	88.0 - 110.0	40 - 50	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.

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 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**

MODEL	CAPACITY		STROKE		WEIGHT	
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

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 degree upper swivel
- Maximum 142 PSI



LR-09B-90/200

MODEL	HOSE LENGTH		CAPACITY	
LR-09B-90	35.5 in	90 cm	3 lb	1.5 kg
LR-09B-200	78.3 in	199 cm	3 lb	1.5 kg

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



RPA Series

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

MODEL	CAPACITY	
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

AIR PREPARATION UNITS

AFRL STACKING FILTER/REGULATORS

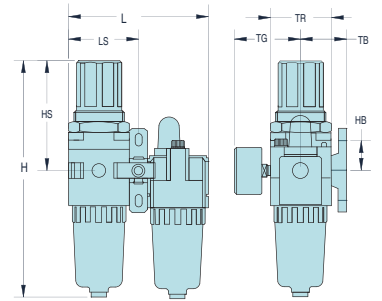
Stacking filter/regulator combinations provide air filtration and precise regulation in a single unit for easy mounting and installation.

FEATURES AND BENEFITS

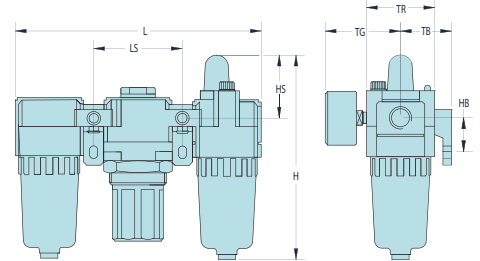
- All models include L-mount bracket, gauge, and metal bowl shields
- Polycarbonate filter and lubricator bowls (metal bowls standard on AFRL-8)
- 25-micron filter included on all models
- Regulating range: 7 – 125 PSI
- Custom order upgrade items include metal bowl, 5 micron filter, semi-automatic filter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



AFRL-2-C
AFRL-3-C



AFRL-3
AFRL-4
AFRL-8



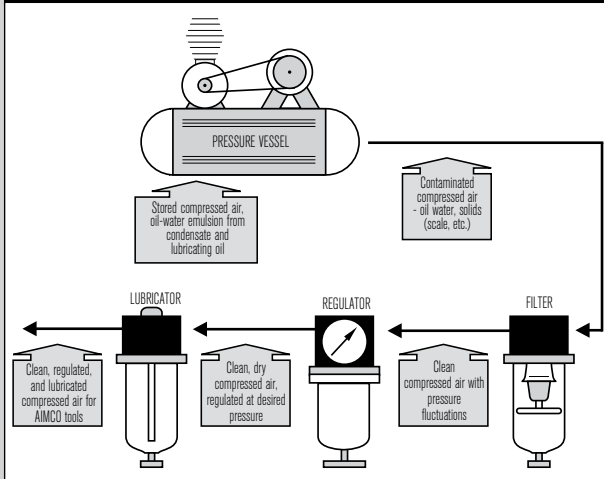
28178
HT Air Tool/AFRL
Carrying Kit

AFRL-4HTA
Standalone Unit



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:

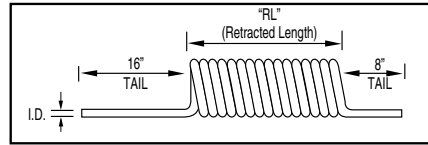
- Total air flow (CFM) required for application
- Size of incoming air line and size of air line required by tool
- Air supply pressure (PSI)
- Allowable pressure drop
- Does the application require lubrication?
- Does the overall system have the required capacity?

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"

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-375Z	3/8" I.D.
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



- 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
3/16"	0.44"	10 ft	200 psi	0.8 lb
1/4"	0.5"	10 ft	200 psi	0.9 lb
5/16"	0.58"	10 ft	200 psi	1.2 lb
3/8"	0.67"	10 ft	200 psi	1.5 lb
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.

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

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.

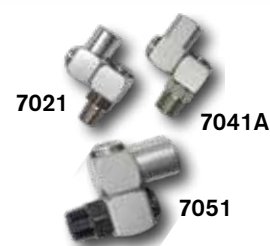
MODEL	DESCRIPTION
B23	1/4" NPT F x 1/4" QC Brass Coupler
B23E	1/4" NPT F x 3/8" QC Brass Coupler
B25	3/8" NPT F x 3/8" QC Brass Coupler



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



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



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



MINI AIR GAUGE SWIVEL JOINT KITS

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



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



BRASS ADAPTERS AND BUSHINGS

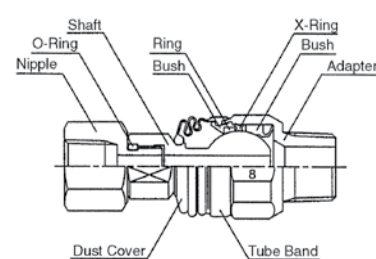
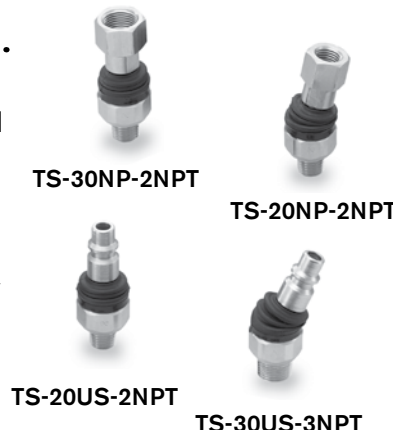
Pipe fittings for use as medium and low pressure connectors. Meets functional requirements of SAE J530, SAE J531, ASME and ASA. Rated 1,000 PSI from -65° to +250° F.

MODEL	DESCRIPTION
209P-8-6	3/8" NPT F x 1/4" NPT M Adapter
222P-6-4	1/2" NPT F x 3/8" NPT M Adapter
222P-8-6	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

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



MODEL	DESCRIPTION
TS-30NP-2NPT	3/8" NPT Female x 1/4" NPT Male
TS-20NP-2NPT	1/4" NPT Female x 1/4" NPT Male
TS-20US-2NPT	1/4" US Plug x 1/4" NPT Male
TS-30US-3NPT	3/8" US Plug x 3/8" NPT Male

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ACA40-1500	12	ACA-V40-1500	12	AJH-3	15	EAP-202ED-KIT	5	TW-15	17
ACA40-2000	12	ACA-V40-2000	12	AJH-5	15	EAP-203-ASSY	5	TW-22	17
ACA40-2500	12	ACA-V40-2500	12	AJS3	15	F			
ACA80-1500	12	ACA-V80-1500	12	ALA5-200	5	F70	6	TW-30	17
ACA80-2000	12	ACA-V80-2000	12	ALA10-400	5	F600	6	TW-40	17
ACA80-2500	12	ACA-V80-2500	12	ALA15-200	5	F1500	6	TW-50	17
ACA150-1500	12	ACA-V150-1500	12	ALA40-300	5	F3000	6	TW-60	17
ACA150-2000	12	ACA-V150-2000	12	ALA200-400	5	F7500	6	TW-70	17
ACA150-2500	12	ACA-V150-2500	12	ALA400-400	5	W			
ACA220-1500	12	ACA-V220-1500	12	AMP-5	15	FA-50-2	16	Numbers	
ACA220-2000	12	ACA-V220-2000	12	ASB-0C	17	G			
ACA220-2500	12	ACA-V220-2500	12	ASB-3C	17	Gen IV Smart Arm System with Process Visualization	9, 10	209P-6-4	21
ACA220-2500	12	ACPTT-V15-510 150	13	ASB-5C	17	I			
ACAH-15	13	ACPTT-V15-710 300	13	ASC-3	15	IP4	6	209P-8-6	21
ACAH-15-MPE2745	13	ACPTT-V40-510 150	13	ASC-5	15	IP5	6	222P-6-4	21
ACAH-40-80	13	ACPTT-V40-760 300	13	ASH-250C-10MSZ	20	IP7	6	222P-8-6	21
ACAH-40PS1000	13	ACPTT-V40-1410 600	13	ASH-250C-15MSZ	20	IP8T	6	222P-12-8	21
ACAH-80PS3-5000	13	ACPTT-V80-810 300	13	ASH-250C-25MSZ	20	IPT150	6	250-RZ	21
ACAH-150-220	13	ACPTT-V80-1410 600	13	ASH-375C-15MSZ	20	IPT375	6	250-SZ	21
ACAH-150PS3-5000	13	ACSA-600-1500	13	ASH-375C-25MSZ	20	J			
ACAH-4080-MPE2745	13	ACSA-800-1500	13	ASH-375Z	20	JJ30	16	21226	16
ACAH-150220-MPE4070	13	ACSA-1000-1500	13	ASH-500C-15MSZ	20	JJ30-S	16	28178	19
ACAH-S154080	13	ACTT-V15-600 150	13	ASH-500C-25MSZ	20	JJ30-TA	16	28796	20
ACAH-SL15150	13	ACTT-V15-800 300	13	ASH-500Z	20	L			
ACAHTT-15A-3060	13	ACTT-V40-600 150	13	AT3-3	15	LR-09B-90	18	375-RZ	21
ACAHTT-15S-2745	13	ACTT-V40-850 300	13	AT3-4	15	LR-09B-200	18	375-SZ	21
ACAHTT-40S-2745	13	ACTT-V40-1500 600	13	AT3-6	15	R			
ACAHTT-4080A-3165	13	ACTT-V80-900 300	13	AT3-9	15	RMA-7L	18	500-SZ	21
ACA-P2BK-4	13	ACTT-V80-1500 600	13	AT5-3	15	RMA-15L	18	7021	21
ACA-P2BK-6	13	ACTT-V80-2100 900	13	AT5-4	15	RMA-20L	18	7021AG	21
ACA-P2BK-8	13	AD-D1098-P	4	AT5-6	15	RPA-1	18	7041A	21
ACA-P2BK-10	13	AD-D1098-PAC	4	AT5-9	15	RPA-2	18	7041AG	21
ACA-P2BK-14	13	AD-D1098-PACE	4	AT5-12	15	RPA-3	18	7051	21
ACA-P215-1000	12	AD-D1098-S	4	ATN-3	15	S			
ACA-P215-1500	12	AD-D1098-SAC	4	ATN-5	15	LR-09B-90	18	932-100-0	21
ACA-P215-2000	12	AEC5-2	15	ATW-50	16	T			
ACA-P240-1000	12	AEP-3	15	AUB-5	15	TA-50-2	16	TS-20NP-2NPT	21
ACA-P240-1500	12	AEP-5	15	AVC-5	15	TS-20US-2NPT	21	TS-30NP-2NPT	21
ACA-P240-2000	12	AES-3	15	AW3F	15	TS-30NP-2NPT	21	TS-30US-3NPT	21
								TW-00	17
								TW-0	17
								TW-3	17
								TW-5	17
								TW-9	17
								TW-15	17
								TW-22	17
								TW-30	17
								TW-40	17
								TW-50	17
								TW-60	17
								TW-70	17



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