

# 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

### PARALLEL ARM SERIES

AD-D1098-p, AD-D1098-pac, AD-D1098-pAce

- Minimizes operator control.
- 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.



AD-D1098-SAC

### SINGLE ARM SERIES

AD-D1098-S, AD-D1098-SAC

- Full tool rotation.
- Operator control.
- 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
<b>AIR CYLINDER SERIES</b>								
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
<b>OIL CYLINDER SERIES</b>								
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

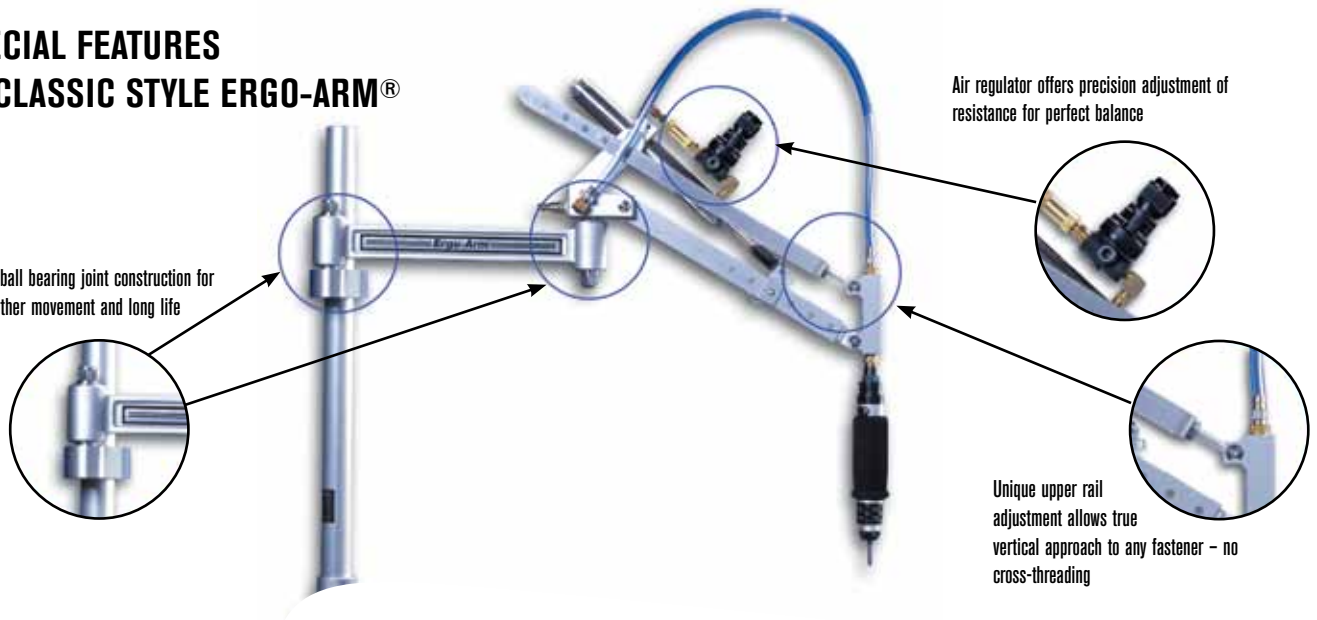
\*\* For single arm electric tool mount, order EAP-202ED-KIT

## 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 AND LINEAR ARM

## ERGO-ARM® ACCESSORIES

- End-of-Arm Tooling options for the Ergo-Arm® allow you to choose the style right for your application.
- The tool holders permit the tool to swivel, rotate, swing, or twist. The 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



EAA-21 - Pistol Grip Tool Mount Kit



EAA-21 - Right Angle Tool Mount



EAP-202ED-KIT - Electric Driver Tool Mount Kit

### PARALLEL ARM KIT



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

### 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

## LINEAR ARM

- Smooth movement and perfect balance while limiting operator control.
- Machined stainless steel and ball bearing construction.
- Two high quality tool balancers are included with each arm to provide a wide range of adjustment.



LQ-0002 Linear Arm  
shipped with two ASB-0C balancers

LQ-0004 Linear Arm  
shipped with two TW-3 balancers

LQ-0024H Heavy Duty Arm  
shipped with two TW-3 balancers

MODEL	DESCRIPTION	MAX. REACH		WEIGHT CAPACITY		MAX. TORQUE		HEIGHT		STANDARD TOOL MOUNT DIAMETER	
		IN	CM	LB	KG	FT-LB	NM	IN	CM	IN	CM
LQ-0002	Linear Arm	14	37	1 - 5	0.5 - 2.3	20	27	24	61	1.6	4.1
LQ-0004	Linear Arm	23	58	3 - 10	1.4 - 4.5	25	34	36	91.4	1.6	4.1
LQ-0024H	Heavy Duty Arm	23	58	3 - 10	1.4 - 4.5	75	102	36	91.4	1.6	4.1

## CUSTOM REACTION DEVICES

- Torque Tubes with up to 300 ft-lb capacity.
- Torque Arms with up to 3,000 ft-lb capacity.
- Floor, table, wall, and overhead mounting available.
- Multiple pivot-points allow reach up to 15 feet.

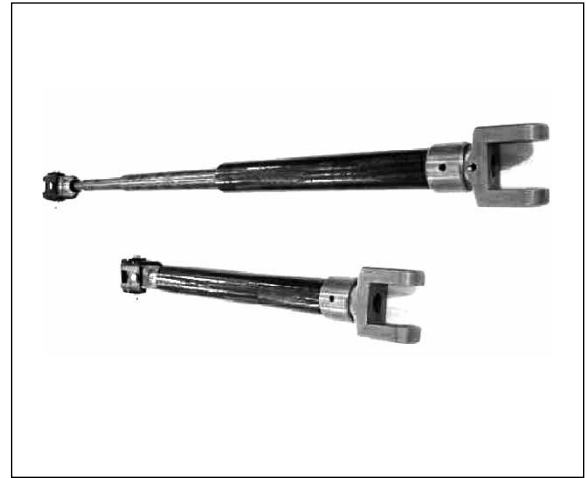
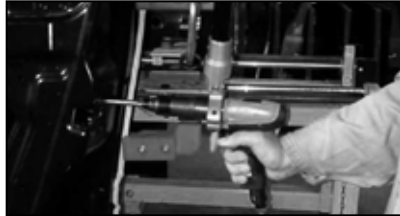


Contact your AIMCO sales representative in order to determine the exact torque reaction system needed to improve the productivity and ergonomics of your assembly station!

# CARBON TORQUE ARMS

## CARBON TORQUE ARMS

- With the Carbon Torque Arm, the assembly operation will be smooth and comfortable since the arm is absorbing the torque reaction generated by the tool.
- The Carbon Arm are ergonomics and easy to use, thanks to the telescopic design which allow maximum freedom of movement and flexibility.
- Extremely durable and require no maintenance.



PART #	MAX TORQUE NM	MIN. LENGHT MM	MAX LENGHT MM
CLL10-1000	10	500	1,000
CLR55-1230	55	570	1,230
CLR55-2000	55	760	1,800
CLR55-2500	55	970	2,430
CLR100-1230	100	570	1,230
CLR100-2000	100	760	1,800
CLR100-2500	100	970	2,430
CLR150-1230	150	570	1,230
CLR150-2000	150	760	1,800
CLR150-2500	150	970	2,430
CLR2201230	220	570	1,230
CLR220-2000	220	760	1,800
CLR220-2500	220	970	2,430

## TOOL HOLDERS

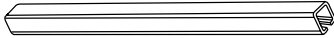
PART #	DESCRIPTION
CLR55-110P	Pistol Mount CLR55
CLR55-110PQ	Pistol Mount , Quick Change CLR55
CLR55-110A	Angle Mount CLR55
CLR55-110AQ	Angle Mount, Quick Change CLR55
CLR55-110AS	Angle Mount, Swivel CLR55
CLR100-200P	Pistol Mount CLR100
CLR100-200PQ	Pistol Mount, Quick Change CLR100
CLR100-200A	Angle Mount CLR100
CLR100-200AQ	Angle Mount, Quick Change CLR100
CLR100-200AS	Angle Mount, Swivel CLR100
CLR220-300P	Pistol Mount CLR160/220
CLR220-300PQ	Pistol Mount, Quick Change CLR160/220
CLR220-300A	Angle Mount CLR160/220
CLR220-300AQ	Angle Mount,Quick Change CLR160/220
CLR220-300AS	Angle Mount,Swivel CLR160/220

# WORKSTATION COMPONENTS AND ASSEMBLIES

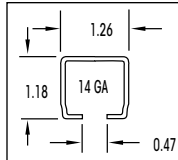
## COMPONENTS

### TRACK

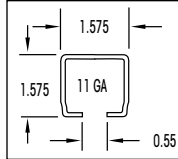
Steel with beige polyester finish. Use for vertical and horizontal workstation support.



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



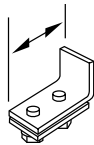
### TRACK NUT (ATN-3/5)

Zinc plated steel. Use to attach accessories to track, as end stops, or to isolate rolling accessories. Fits both 50 lb. and 30 lb. track.



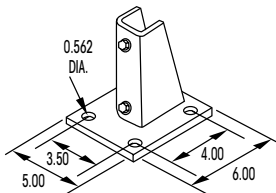
### END STOP (AES-3/5)

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



### MOUNTING PLATE (AMP-5)

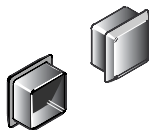
Black polyester finish. Use as a base to mount vertical uprights.



### END CAP (AEP-3/5)

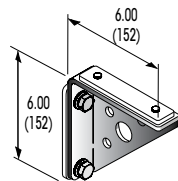
Black molded vinyl. Use to cap track ends for a professional finish.

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



### ANGLE BRACKET (AB-3/5)

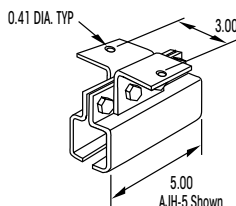
Black polyester finish. Use to mount horizontal track to vertical track. Fits both 50 lb. and 30 lb. track.



### JOINT HANGER BRACKET (AJH-3/5)

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

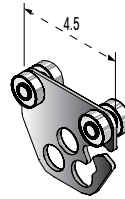
- AJH - 3 for 30 lb. track
- AJH - 5 for 50 lb. track



### 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.

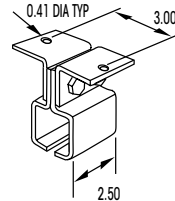
- ABT-3 for 30 lb track (1.00 dia)
- ABT-5 for 50 lb track (1.25 dia)



### HANGER BRACKET (AHB-3/5)

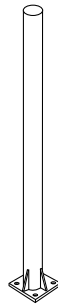
Black polyester finish. Use to suspend track at right angle.

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



### VERTICAL COLUMN (AVC-5\*)

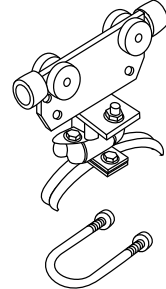
Beige polyester finish, 3" diameter x 9 ft upright steel column with welded base. Use as floor mount for extra stability with jibs or workstation components.



### INTERMEDIATE CARRIER

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



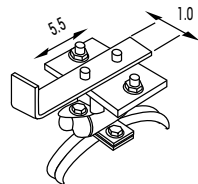
### U-BOLTS (AUB-5)

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



### END CLAMP (AEC5-2)

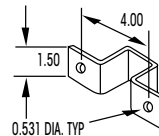
Black polyester finish. Use as end stop with hose carrier for festoon. Cable/hose OD .60-.94.



### 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



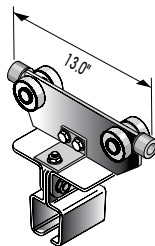
### TOOL CLIP (SH-5)

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



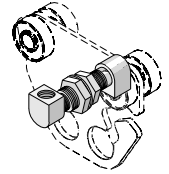
### ROLLING HANGER (ABT5-R)

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.



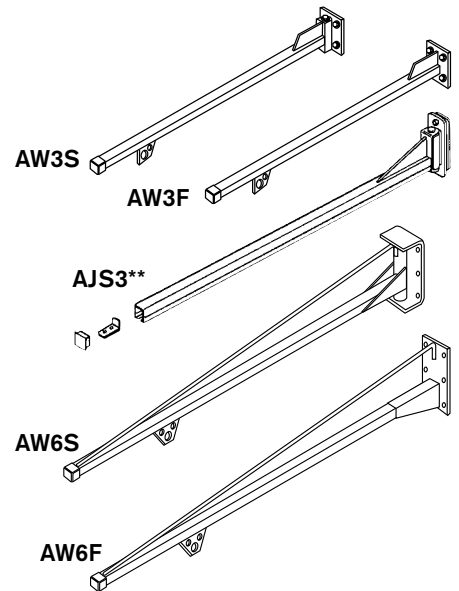
## WALL AND FLOOR MOUNTED JIBS

### 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 lbs.

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

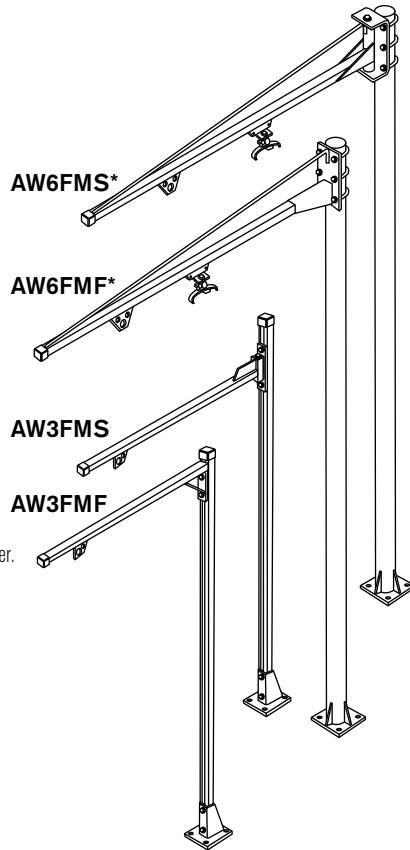
**FLOOR MOUNTED  
3 FT. SWINGING JIB  
(AW3FMS)**

**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

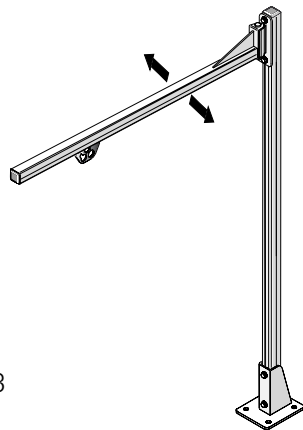
Units include end stop,  
balancer trolley and intermediate carrier.



## AIMCO TOOL SUPPORT ARMS

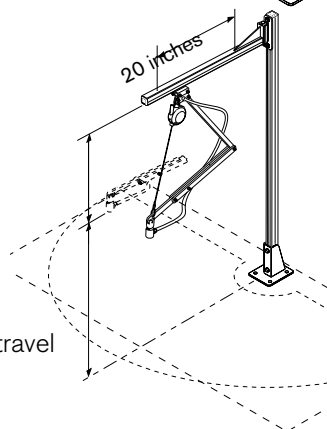
**BENCH MOUNTED SWINGING JIB (JJ30-S)**  
**BENCH MOUNTED FIXED JIB (JJ30)**

- 30 lb maximum weight
- 48" column height including mounting plate
- 3 ft. swinging jib includes balancer trolley, end stop and cap



**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 areas 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 your AIMCO sales representative.**