



# POWER TOOLS

## *2019*



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.**

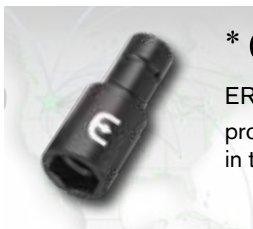
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\* **E** logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

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

# ACRADYNE HIGH TORQUE PNEUMATIC TOOLS

## FEATURES AND BENEFITS

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

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



**AAP1B66600A**



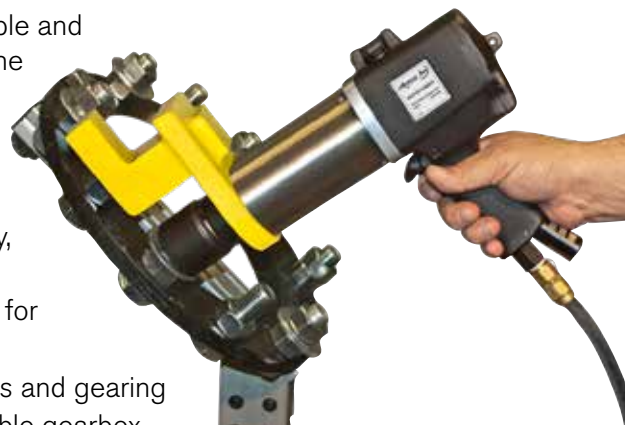
**AAP1B76950A**



**AAP1B772000A**



**AAP1B885100A**



| MODEL        | TORQUE |         | SPEED | WEIGHT | SQUARE DR. | AIR CONSUMPTION |
|--------------|--------|---------|-------|--------|------------|-----------------|
|              | (NM)   | (FT-LB) | (RPM) | (LB)   | (IN)       | (CFM)           |
| AAP1B66400A  | 400    | 300     | 57    | 9.75   | 3/4        | 22.9            |
| AAP1B66600A  | 600    | 450     | 39    | 9.75   | 3/4        | 22.9            |
| AAP1B66850A  | 850    | 625     | 27    | 9.75   | 3/4        | 22.9            |
| AAP1B76950A  | 950    | 700     | 31    | 10.4   | 3/4        | 26.3            |
| AAP1B771350A | 1,350  | 1,000   | 22    | 10.4   | 1          | 26.3            |
| AAP1B772000A | 2,000  | 1,475   | 14    | 12.7   | 1          | 26.3            |
| AAP1B772950A | 2,950  | 2,175   | 9     | 14.9   | 1          | 26.3            |
| AAP1B885100A | 5,100  | 3,775   | 8     | 23     | 1-1/2      | 31.5            |

## AIR PREPARATION UNITS

Many stacking filter/regulator combinations are available. See page 6 for options.



**AFRL-4**



**AFRL-4HTA  
Standalone Unit**

**28178  
HT Air Tool/AFRL  
Carrying Kit**



# ACRADYNE HIGH TORQUE HIGH-SPEED PNEUMATIC TOOLS

Our High-Torque High-Speed Pneumatic Bolting Tools offer a reliable and dependable solution for the installation and removal of heavy-duty fasteners with high torque capability, accuracy, power, and safety.

## FEATURES AND BENEFITS

- Dual motor design provides extremely fast rundown speed
- Improved torque to weight ratio
- Full swivel gearcase facilitates reaction bar positioning for ease of use and operator comfort
- Handle exhaust with low sound level
- Uses the same durable and reliable gearbox from our DC line of high torque tools
- Modular design allows for easy maintenance
- Two-piece handle construction enables flexible handle design
- Available in reversible and non-reversible models



**AAP2B771400A**



**AAP2B772000A**



**AAP2B773000AR**

| MODEL        | TORQUE |         | SPEED | WEIGHT |      | LENGTH |      | SQUARE DR. |
|--------------|--------|---------|-------|--------|------|--------|------|------------|
|              | (NM)   | (FT-LB) | (RPM) | (LB)   | (KG) | (IN)   | (MM) | (IN)       |
| AAP2B76250A  | 250    | 185     | 660   | 10.5   | 4.8  | 10     | 255  | 3/4        |
| AAP2B76450A  | 450    | 330     | 335   | 10.5   | 4.8  | 10     | 255  | 3/4        |
| AAP2B76650A  | 650    | 480     | 223   | 10.5   | 4.8  | 10     | 255  | 3/4        |
| AAP2B76950A  | 950    | 700     | 153   | 10.5   | 4.8  | 10     | 255  | 3/4        |
| AAP2B771400A | 1,400  | 1,000   | 110   | 14.6   | 6.6  | 10     | 255  | 1          |
| AAP2B772000A | 2,000  | 1,475   | 63    | 14.8   | 6.7  | 11.2   | 284  | 1          |
| AAP2B773000A | 3,000  | 2,210   | 52    | 15.0   | 6.8  | 11.6   | 293  | 1          |
| AAP2B785100A | 4,800  | 3,540   | 26.5  | 19.7   | 8.9  | 13.3   | 338  | 1.5        |

| REVERSIBLE<br>MODEL | TORQUE |         | SPEED | WEIGHT |      | LENGTH |      | SQUARE DR. |
|---------------------|--------|---------|-------|--------|------|--------|------|------------|
|                     | (NM)   | (FT-LB) | (RPM) | (LB)   | (KG) | (IN)   | (MM) | (IN)       |
| AAP2B76250AR        | 250    | 185     | 660   | 12.3   | 5.6  | 12.5   | 317  | 3/4        |
| AAP2B76450AR        | 450    | 330     | 335   | 12.3   | 5.6  | 12.5   | 317  | 3/4        |
| AAP2B76650AR        | 650    | 480     | 223   | 12.3   | 5.6  | 12.5   | 317  | 3/4        |
| AAP2B76950AR        | 950    | 700     | 153   | 12.3   | 5.6  | 12.5   | 317  | 3/4        |
| AAP2B771400AR       | 1,400  | 1,000   | 110   | 16.4   | 7.4  | 12.6   | 319  | 1          |
| AAP2B772000AR       | 2,000  | 1,475   | 63    | 16.6   | 7.5  | 13.6   | 346  | 1          |
| AAP2B773000AR       | 3,000  | 2,210   | 52    | 16.8   | 7.6  | 14.0   | 356  | 1          |
| AAP2B785100AR       | 4,800  | 3,540   | 26.5  | 21.5   | 9.7  | 15.8   | 400  | 1.5        |

# AIR PREPARATION UNITS

## AFRL STACKING FILTER/REGULATORS

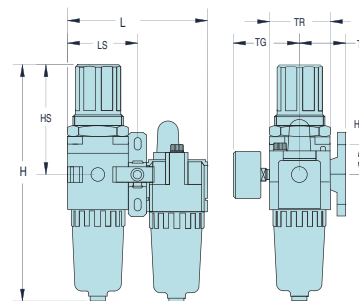
Stacking filter/regulator combinations provide air filtration and precise regulation in a single unit for easy mounting and installation.

## FEATURES AND BENEFITS

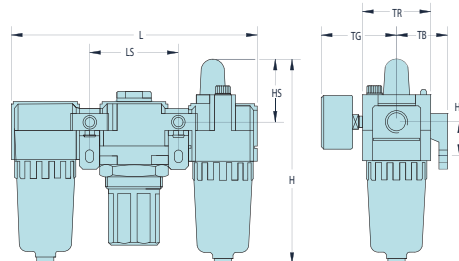
- All models include L-mount bracket, gauge, and metal bowl shields
- Polycarbonate filter and lubricator bowls (metal bowls standard on AFRL-8)
- 25-micron filter included on all models
- Regulating range: 7 – 125 PSI
- Custom order upgrade items include metal bowl, 5 micron filter, semi-automatic filter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



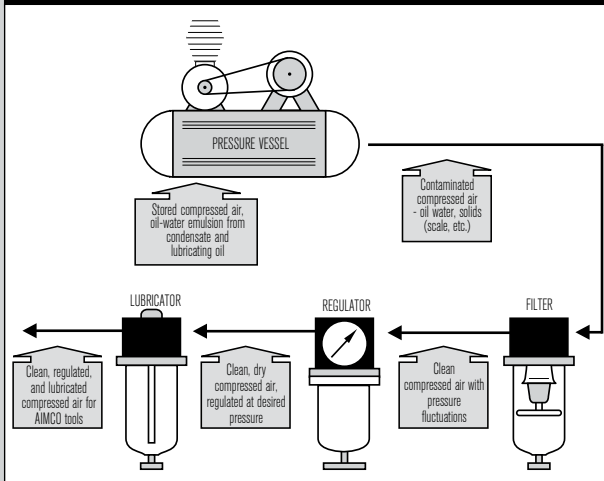
**28178  
HT Air Tool/AFRL  
Carrying Kit**

**AFRL-4HTA  
Standalone Unit**



| MODEL    | PORT | GAUGE<br>PORT | FLOW RATE<br>CFM L/MIN | BOWL<br>SHIELD | H<br>IN/MM    | HB<br>IN/MM | HS<br>IN/MM  | L<br>IN/MM    | LS<br>IN/MM  | TB<br>IN/MM | TG<br>IN/MM | TR<br>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



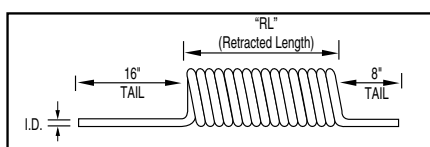
The supply of clean, dry air is essential to the operation of pneumatic powered tools. Use only clean filtered air for longer tool life. Provide proper airflow (CFM) and regulate air pressure (PSI) for optimum performance.

### 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?

# ACRADYNE HT PNEUMATIC TOOL ACCESSORIES

## Polyurethane Hose for HT Tools



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.

- 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:  $-104^{\circ}\text{F}$  to  $175^{\circ}\text{F}$
- Working pressure: 100 PSI

### SINGLE AIR HOSE ASSEMBLIES (COILED)

| MODEL          | DESCRIPTION<br>(O.D. x I.D. x LENGTH) | RETRACTED<br>LENGTH | NPT<br>FITTINGS |
|----------------|---------------------------------------|---------------------|-----------------|
| ASH-500C-15MSZ | 3/4" x 1/2" x 15'                     | 13"                 | 1/2"            |
| ASH-500C-25MSZ | 3/4" x 1/2" x 25'                     | 23"                 | 1/2"            |



### STRAIGHT AIR HOSE (SOLD PER FOOT)

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

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

## Rubber Hose for HT Tools



- Designed for use in a wide range of industrial, construction, and agricultural applications
- Constructed of high grade, reinforced EPDM synthetic rubber
- Working temperature:  $-40^{\circ}\text{F}$  to  $190^{\circ}\text{F}$

### SINGLE AIR HOSE (RUBBER)

| I.D. | O.D.  | LENGTH | WORKING<br>PRESSURE | WEIGHT |
|------|-------|--------|---------------------|--------|
| 1/2" | 0.81" | 10 ft  | 200 psi             | 2.0 lb |
| 5/8" | 0.97" | 10 ft  | 200 psi             | 2.7 lb |
| 3/4" | 1.12" | 10 ft  | 200 psi             | 3.4 lb |

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

## REACTION BARS

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



## Air Line Fittings



### PLUGS

| MODEL | DESCRIPTION     |
|-------|-----------------|
| 28161 | 1/2" x 1/4" MPT |
| 28162 | 1/2" x 3/8" MPT |
| 28163 | 1/2" x 1/2" MPT |
| 28164 | 1/2" x 1/2" FPT |



### QUICK-CHANGE COUPLERS

| MODEL | DESCRIPTION |
|-------|-------------|
| 27768 | 1/2" FPT    |
| 27769 | 1/2" MPT    |



### PROTECTIVE COUPLER

| MODEL | DESCRIPTION |
|-------|-------------|
| 27771 | Vinyl       |



### SWIVEL FITTING

| MODEL  | CAPACITY                |
|--------|-------------------------|
| 500-SZ | 1/2" NPT Swivel Fitting |

# HIGH TORQUE BATTERY TOOLS

AcraDyne's High Torque Battery Tools provide plenty of power in a compact package. The tool's low weight and ergonomic design ensure excellent mobility, flexibility, and efficiency, even when working in limited spaces. The low-wear brushless synchronous motor is maintenance free, reducing running costs.

## FEATURES AND BENEFITS

- Battery driven two-speed torque multiplier for torques from 90 Nm to 4,000 Nm (65 to 2,950 ft-lb)
- Short fastening cycles: Fast gear for run down and power gear for highest torques and precision
- Mobile and always ready for use: Compact design for convenient use in limited spaces
- Efficient operation: Fast and easy gear-changing, great torque range – choose from 22 torque values
- Very low susceptibility to damage and failure: Motor housing made of special polymer that is break-proof, impact-proof, and resistant to corrosion
- Intelligent energy management and faster workflow: Electronics protect battery cells from overcharging and depth discharge



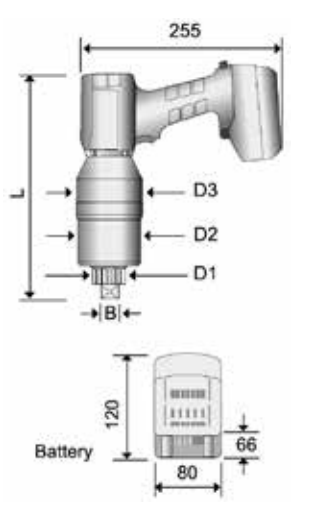
## PERQ Advantages

- PRODUCTIVITY** • Two Lithium-Ion battery packs ensure up to 360 tightenings. Each battery features an LED charge level indicator
- ERGONOMICS** • Low weight relative to the torque delivered  
• Ergonomically designed  
• Low noise emissions
- RELIABILITY** • Low-wear brushless, synchronous motor is maintenance free
- QUALITY** • Exact shut-off torque even at low battery levels



Each tool comes with two 18 V, 5.2 Ah lithium-ion batteries and a battery charger. Battery and charger are also available to purchase separately.

**Battery:** ABG-B1852  
**110V Charger:** ABG-C110  
**220V Charger:** ABG-C220



| MODEL*      | TORQUE RANGE** |             | SQ. DRIVE<br>IN | DIAMETER       |                |                | LENGTH |     | WEIGHT |     | IDLE SPEED (RPM) |          |
|-------------|----------------|-------------|-----------------|----------------|----------------|----------------|--------|-----|--------|-----|------------------|----------|
|             | NM             | FT-LB       |                 | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | IN     | MM  | LB     | KG  | 1ST GEAR         | 2ND GEAR |
| ABG860-KIT  | 115 - 860      | 85 - 635    | 3/4             | 41 mm / 1.6 in | 85 mm / 3.3 in | 88 mm / 3.5 in | 11.6   | 295 | 12.1   | 5.5 | 7.0              | 24.0     |
| ABG1400-KIT | 150 - 1,400    | 110 - 1,030 | 3/4             | 41 mm / 1.6 in | 85 mm / 3.3 in | 88 mm / 3.5 in | 11.6   | 295 | 12.1   | 5.5 | 4.0              | 13.0     |
| ABG2200-KIT | 250 - 2,200    | 185 - 1,620 | 1               | 54 mm / 2.1 in | 85 mm / 3.3 in | 88 mm / 3.5 in | 12.6   | 320 | 15.4   | 7.0 | 2.0              | 6.5      |
| ABG2800-KIT | 300 - 2,800    | 220 - 2,065 | 1               | 54 mm / 2.1 in | 85 mm / 3.3 in | 88 mm / 3.5 in | 13.6   | 345 | 16.3   | 7.4 | 1.7              | 6.0      |
| ABG3200-KIT | 360 - 3,200    | 265 - 2,360 | 1               | 72 mm / 2.8 in | 93 mm / 3.7 in | 97 mm / 3.8 in | 14.6   | 370 | 16.3   | 7.4 | 1.5              | 5.0      |
| ABG4100-KIT | 500 - 4,100    | 370 - 3,025 | 1-1/2           | 72 mm / 2.8 in | 93 mm / 3.7 in | 97 mm / 3.8 in | 14.6   | 370 | 20.1   | 9.1 | 1.0              | 4.0      |

\* Each tool comes in a kit, which includes the tool, two 18V / 5.2 Ah Li-Ion batteries, and a battery charger.

\*\* When loosening bolts, a higher torque (up to 20%) may be necessary (release torque).

# AIMCO PULSE TOOLS: OVERVIEW



## HOW DOES A PULSE TOOL WORK?

The unique design of a pulse tool, combining motor power and hydraulics, leads to an assembly tool that produces smooth, controlled torque in a series of very fast (2 – 4 milliseconds) events and virtually no torque reaction.

- At free-speed, the entire pulse unit, a sealed cylinder containing hydraulic fluid and an output shaft, rotates at the same speed as the tool motor
- As resistance to rotation increases, the rotation of the output shaft slows, while the rotation of the

cylinder and the hydraulic fluid continues until they approach a seal point within the cylinder

- This seal point produces an increase in fluid pressure and transmits the energy from the rotational mass of the cylinder and fluid to the output shaft, producing torque on the fastener
- After a series of these cycles (pulses), fluid pressure builds to a point that overcomes the limit of a relief valve, allowing pressure to drop and torque to be controlled



## BENEFITS OF AIMCO PULSE TOOLS:

***Pulse tools offer advantages in all of the PERQ® elements – productivity, ergonomics, reliability and quality***

By partnering with AIMCO, manufacturers can apply the advantages of pulse tools in many ways to reduce production costs and increase profits.

- Productivity – Combining high operating speeds with one-handed operation, AIMCO pulse tools help manufacturers produce at the highest possible rates
- Ergonomics – Light weight, low vibration and no torque reaction make AIMCO pulse tools the safest assembly tools available for threaded assembly
- Reliability – Advances in design and AIMCO's extensive maintenance and training programs add up to years of low cost service from any AIMCO pulse tool
- Quality – AIMCO pulse tools offer the most repeatable torque and clamp load results of any assembly tool, guaranteeing high product quality for manufacturers

# AIMCO PULSE TOOLS: OVERVIEW

## TIMELINE OF URYU PULSE TOOLS

### NEW TECHNOLOGY

The first pulse tool prototype was designed in an attempt to provide a tool that would provide torque control without the high maintenance costs of impact wrenches.



1965

### U SERIES

First pulse tools to be available commercially for assembly, the lack of torque reaction and accurate, repeatable torque makes the U Series a manufacturer standard.



1980

### EC SERIES

By incorporating a transducer into the design of the U Series, the EC Series (and later the MC Series) combines the advantages of pulse tools with the technology of controlled tools.



1988

### ALPHA SERIES

The Alpha 9-blade, twin chamber air motor provides significantly more power, thereby reducing cycle times and improving torque repeatability. The new makes the tools smaller and lighter.



1995

### ULT / UL SERIES

A new O-ring design improves durability, roller bearings in the pulse unit increase hydraulic fluid life, and redesigned porting helps maintain fluid temperature and torque repeatability.



2001

### UEP-MC SERIES

The first and only electric powered pulse tool. Lower speeds, quiet operation, and extremely repeatable torque make the UEP the perfect choice when accuracy and clean operation are critical.



2006

### UDP-MC CONTROLLED SERIES

These smaller, lighter electric pulse tools have an integrated fan unit. The UECD controller with a built-in driver box eliminates the need for a secondary driver box.



2012

### UAT SERIES

Innovative Auto Relief Technology enables efficient, smooth delivery of torque energy to the application, thus eliminating initial torque spike on hard joints, reducing oil flow resistance, and maximizing tool performance.



2013

### UA-AMC CONTROLLED PULSE SERIES

The UA-AMC Series features Auto Relief Technology, as well as angle measurement for improved process control. It detects cross threading, double hits on the same fastener, stripped and damaged fastener threads and incorrect fasteners.



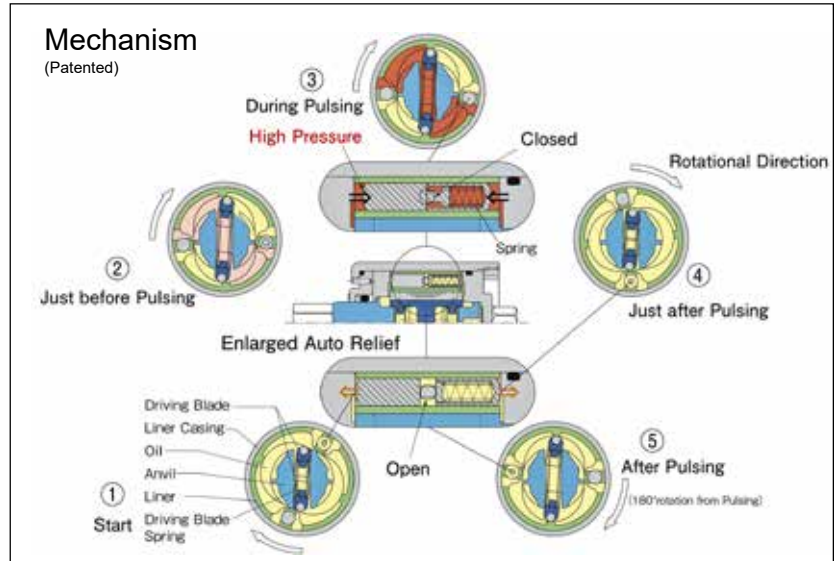
2013

# OMEGA PULSE TOOLS: UAT SERIES

## PATENTED AUTO RELIEF TECHNOLOGY:

UAT features patented Auto Relief Technology providing additional control to the application of torque during the pulsing events.

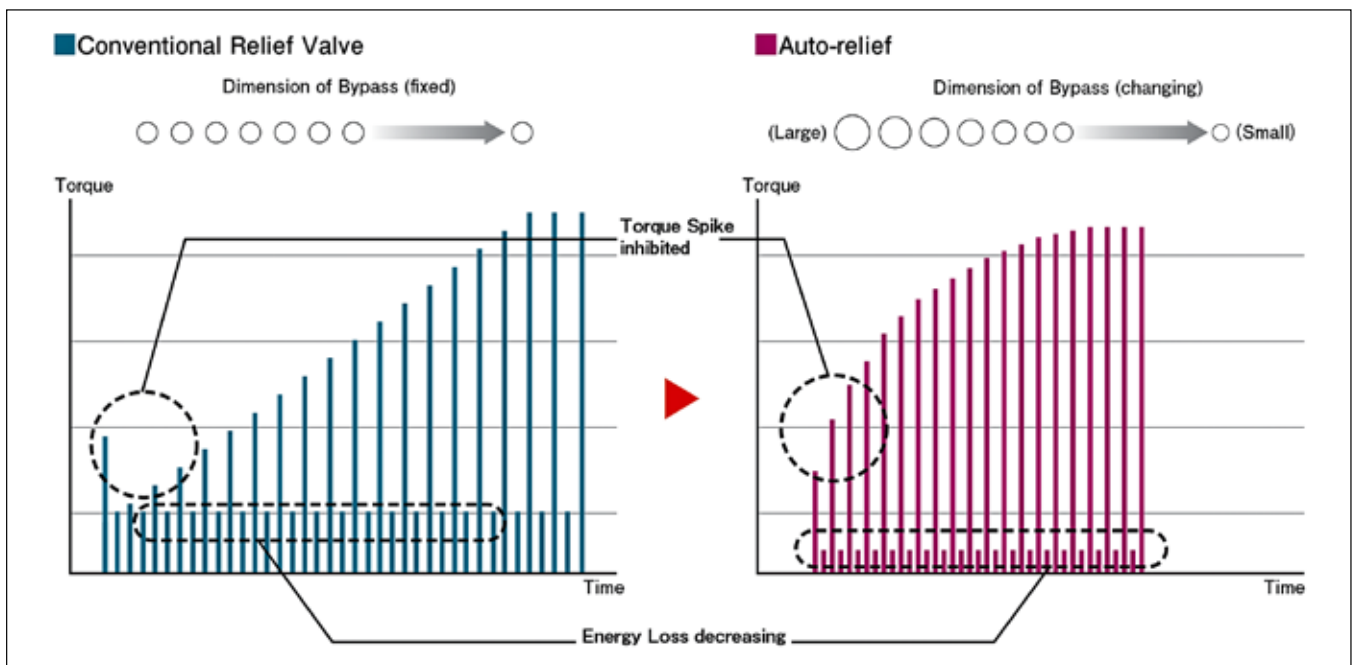
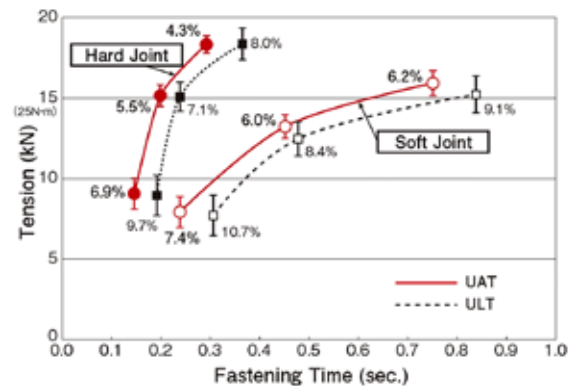
- Auto Relief eliminates initial spike of torque during a cycle. Highly effective on hard joint applications
- Auto Relief ramps up pressure within the pulse unit resulting in more pulses in less time providing a more efficient and even torque event



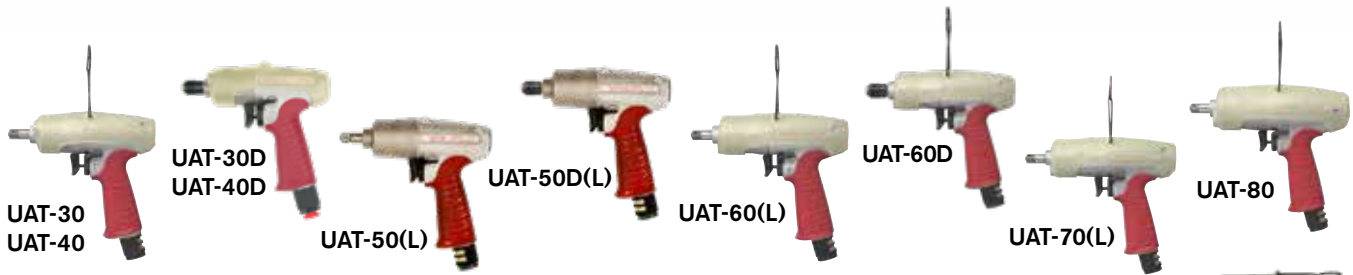
## A NEW LEAP FORWARD IN PRODUCTIVITY AND QUALITY:

- Fastening accuracy and time can be improved by as much as 30% depending on application

### ■ Fastening efficiency comparison (UAT vs ULT)



# OMEGA PULSE TOOLS: UAT SERIES



## PISTOL SHUT-OFF

Recommended Air Pressure: 85 psi

| MODEL    | FREE SPEED<br>RPM | TORQUE RANGE<br>NM | TORQUE RANGE<br>FT-LB | WEIGHT<br>LB | WEIGHT<br>KG | OVERALL LENGTH<br>IN | OVERALL LENGTH<br>MM | DRIVE<br>IN | SOUND LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|----------|-------------------|--------------------|-----------------------|--------------|--------------|----------------------|----------------------|-------------|----------------------|------------------|
| UAT-30D  | 4,200             | 2.5 - 5.5          | 1.9 - 4.1             | 1.9          | 0.9          | 6.5                  | 165                  | 1/4         | 76                   | 10.5             |
| UAT-40   | 3,800             | 4.5 - 8            | 3.3 - 5.9             | 2.0          | 0.9          | 6.4                  | 162                  | 3/8         | 75                   | 8.8              |
| UAT-40D  | 3,800             | 4.5 - 8            | 3.3 - 5.9             | 2.0          | 0.9          | 6.5                  | 165                  | 1/4         | 75                   | 8.8              |
| UAT-50   | 4,600             | 7 - 15.5           | 5.2 - 11.5            | 2.0          | 0.9          | 6.4                  | 162                  | 3/8         | 78                   | 8.8              |
| UAT-50D  | 4,600             | 7 - 15.5           | 5.2 - 11.5            | 2.0          | 0.9          | 6.5                  | 165                  | 1/4         | 78                   | 8.8              |
| UAT-50L  | 4,000             | 7 - 15.5           | 5.2 - 11.5            | 2.0          | 0.9          | 6.4                  | 162                  | 3/8         | 75                   | 8.8              |
| UAT-50DL | 4,000             | 7 - 15.5           | 5.2 - 11.5            | 2.0          | 0.9          | 6.5                  | 165                  | 1/4         | 75                   | 8.8              |
| UAT-60   | 6,700             | 15 - 32            | 11.1 - 23.7           | 2.1          | 1.0          | 6.8                  | 174                  | 3/8         | 80                   | 12.3             |
| UAT-60D  | 6,700             | 15 - 32            | 11.1 - 23.7           | 2.1          | 1.0          | 7.0                  | 177                  | 1/4         | 80                   | 12.3             |
| UAT-60L  | 6,000             | 13 - 28            | 9.6 - 20.7            | 2.1          | 1.0          | 6.8                  | 174                  | 3/8         | 77                   | 8.8              |
| UAT-70   | 6,000             | 30 - 55            | 22.2 - 40.7           | 2.3          | 1.1          | 7.1                  | 180                  | 3/8         | 80                   | 14.0             |
| UAT-70L  | 5,300             | 25 - 48            | 18.5 - 35.5           | 2.3          | 1.1          | 7.1                  | 180                  | 3/8         | 78                   | 10.5             |
| UAT-80   | 5,600             | 45 - 63            | 33.3 - 46.6           | 2.8          | 1.3          | 7.3                  | 186                  | 3/8         | 80                   | 16.8             |
| UAT-90   | 5,700             | 50 - 85            | 37.0 - 62.9           | 3.2          | 1.5          | 7.6                  | 192                  | 1/2         | 82                   | 18.6             |
| UAT-90L  | 5,100             | 45 - 75            | 33.3 - 55.5           | 3.2          | 1.5          | 7.6                  | 192                  | 1/2         | 79                   | 15.8             |
| UAT-100  | 5,200             | 70 - 130           | 51.8 - 96.2           | 3.7          | 1.7          | 7.8                  | 199                  | 1/2         | 82                   | 19.3             |
| UAT-100L | 5,200             | 60 - 110           | 44.4 - 81.4           | 3.7          | 1.7          | 7.8                  | 199                  | 1/2         | 79                   | 16.8             |
| UAT-130  | 4,500             | 110 - 150          | 81.4 - 111            | 5.1          | 2.3          | 8.5                  | 217                  | 1/2         | 82                   | 24.6             |
| UAT-150  | 3,900             | 140 - 210          | 103.6 - 155.4         | 6.4          | 2.9          | 9.5                  | 240                  | 3/4         | 82                   | 24.6             |
| UAT-180  | 3,300             | 160 - 250          | 118.4 - 185           | 8.1          | 3.7          | 10.5                 | 264                  | 3/4         | 84                   | 24.6             |
| UAT-200  | 2,400             | 200 - 400          | 148 - 296             | 12.8         | 5.8          | 11.0                 | 279                  | 3/4         | 85                   | 35.2             |
| UAT-200L | 2,400             | 170 - 280          | 125.8 - 207.2         | 12.8         | 5.8          | 11.0                 | 279                  | 3/4         | 85                   | 24.6             |

Air Hose Size: 1/4" ID for UAT-30D to UAT-50, 3/8" ID for UAT-60 to UAT-100, 1/2" ID for UAT-100L to UAT-200L

Air Inlet Thread: 1/4" NPT for UAT-30D to UAT-150

Note Torque Ranges reflect residual B joint torque values

3/8" NPT for UAT-180 to UAT-200L

UAT Models containing "L" indicate models designed to run at 57 PSI air pressure.

UAT Models containing "D" indicate 1/4" quick change bit holder

Most models can be equipped with TM (Tightening Monitor) feature for use with qualifier systems. Order TM tools by adding "TM" to model number (for example, UAT-60 becomes UAT-60TM).



## INLINE SHUT-OFF

Recommended Air Pressure: 85 psi

| MODEL     | FREE SPEED<br>RPM | TORQUE RANGE<br>NM | TORQUE RANGE<br>FT-LB | WEIGHT<br>LB | WEIGHT<br>KG | OVERALL LENGTH<br>IN | OVERALL LENGTH<br>MM | DRIVE<br>IN | SOUND LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|-----------|-------------------|--------------------|-----------------------|--------------|--------------|----------------------|----------------------|-------------|----------------------|------------------|
| UAT-30SD  | 3,400             | 2.5 - 5.5          | 1.9 - 4.1             | 1.9          | 0.8          | 8.7                  | 222                  | 1/4         | 68                   | 12.3             |
| UAT-40S   | 3,300             | 4.5 - 8.0          | 3.3 - 5.9             | 1.9          | 0.9          | 8.8                  | 224                  | 3/8         | 70                   | 7.0              |
| UAT-40SD  | 3,300             | 4.5 - 8.0          | 3.3 - 5.9             | 1.9          | 0.9          | 8.9                  | 227                  | 1/4         | 70                   | 7.0              |
| UAT-50S   | 3,900             | 7.0 - 15.5         | 5.2 - 11.5            | 1.9          | 0.9          | 8.8                  | 224                  | 3/8         | 78                   | 8.8              |
| UAT-50SD  | 3,900             | 7.0 - 15.5         | 5.2 - 11.5            | 1.9          | 0.9          | 8.9                  | 227                  | 1/4         | 78                   | 8.8              |
| UAT-50SL  | 3,800             | 7.0 - 15.5         | 5.2 - 11.5            | 1.9          | 0.9          | 8.8                  | 224                  | 3/8         | 75                   | 7.0              |
| UAT-50SDL | 3,800             | 7.0 - 15.5         | 5.2 - 11.5            | 1.9          | 0.9          | 8.9                  | 227                  | 1/4         | 75                   | 7.0              |
| UAT-60S   | 5,700             | 15.0 - 32.0        | 11.1 - 23.7           | 1.9          | 0.9          | 9.0                  | 229                  | 3/8         | 80                   | 10.5             |
| UAT-60SD  | 5,700             | 15.0 - 32.0        | 11.1 - 23.7           | 1.9          | 0.9          | 9.1                  | 232                  | 1/4         | 80                   | 10.5             |
| UAT-60SL  | 5,300             | 13.0 - 28.0        | 9.6 - 20.7            | 1.9          | 0.9          | 9.0                  | 229                  | 3/8         | 77                   | 8.8              |
| UAT-60SDL | 5,300             | 13.0 - 28.0        | 9.6 - 20.7            | 1.9          | 0.9          | 9.1                  | 232                  | 1/4         | 77                   | 8.8              |
| UAT-70S   | 4,700             | 30.0 - 50.0        | 22.2 - 37.0           | 2.1          | 1.0          | 9.4                  | 239                  | 3/8         | 80                   | 12.3             |
| UAT-70SL  | 4,400             | 25.0 - 45.0        | 18.5 - 33.3           | 2.1          | 1.0          | 9.4                  | 239                  | 3/8         | 78                   | 9.5              |

Air Hose Size: 1/4" ID for UAT-30 to UAT-50, 3/8" ID for UAT-60 to UAT-70

Air Inlet Thread: 1/4" NPT for UAT-30 to UAT-70

Note Torque Ranges reflect residual B joint torque values

UAT Models containing "D" indicate 1/4" quick change bit holder

UAT Models containing "L" indicate models designed to run at 57 PSI air pressure.

Most models can be equipped with TM (Tightening Monitor) feature for use with qualifier systems. Order TM tools by adding "TM" to model number (for example, UAT-60 becomes UAT-60TM).

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

# OMEGA PULSE TOOLS: UL SERIES

## OMEGA UL SERIES

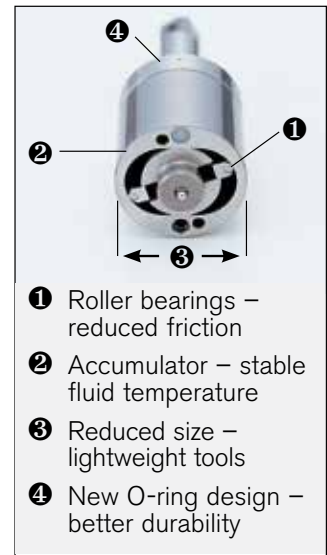
Whether the goal is improving productivity, ergonomics, reliability, or quality, the UL Series contains the technology to achieve success.

### FEATURES AND BENEFITS

- Models available from 6 – 230 Nm (4.4 – 170 Ft-lb)
- Available in Standard, Tightening Monitor, and Transducerized versions
- High power-to-weight ratio
- Reduced maintenance and extended service life
- Environmentally friendly design
- Accurate and repeatable



### Omega Series Pulse Unit



## UL SERIES PISTOL NON SHUT-OFF

Recommended Air Pressure: 85 psi

| MODEL  | FREE SPEED |  | TORQUE RANGE |               | WEIGHT |     | OVERALL LENGTH |     | DRIVE   | SOUND LEVEL | AIR USAGE |
|--------|------------|--|--------------|---------------|--------|-----|----------------|-----|---------|-------------|-----------|
|        | RPM        |  | NM           | FT-LB         | LB     | KG  | IN             | MM  | IN      | dB(A)       | CFM       |
| UL-30D | 5,700      |  | 6 - 12       | 4.4 - 8.9     | 1.5    | 0.7 | 5.4            | 137 | 1/4 hex | 75          | 7.0       |
| UL-30  | 5,700      |  | 6 - 12       | 4.4 - 8.9     | 1.5    | 0.7 | 5.2            | 133 | 3/8 sq. | 75          | 7.0       |
| UL-40D | 6,100      |  | 11 - 20      | 8.1 - 14.8    | 1.5    | 0.7 | 5.4            | 137 | 1/4 hex | 75          | 7.0       |
| UL-40  | 6,100      |  | 13 - 22      | 9.6 - 16.3    | 1.5    | 0.7 | 5.2            | 133 | 3/8 sq. | 75          | 7.0       |
| UL-50D | 6,400      |  | 18 - 28      | 13.3 - 20.7   | 1.7    | 0.8 | 5.8            | 146 | 1/4 hex | 78          | 10.5      |
| UL-50  | 6,400      |  | 22 - 35      | 16.3 - 25.9   | 1.7    | 0.8 | 5.5            | 140 | 3/8 sq. | 78          | 10.5      |
| UL-60D | 7,000      |  | 22 - 35      | 16.3 - 25.9   | 1.8    | 0.8 | 5.6            | 143 | 1/4 sq. | 80          | 14.0      |
| UL-60  | 7,000      |  | 32 - 50      | 23.7 - 37.0   | 1.8    | 0.8 | 5.5            | 140 | 3/8 sq. | 80          | 14.0      |
| UL-70  | 5,700      |  | 40 - 65      | 29.6 - 48.1   | 2.1    | 1.0 | 6.0            | 153 | 3/8 sq. | 80          | 15.8      |
| UL-80  | 5,900      |  | 45 - 70      | 33.3 - 50.0   | 2.5    | 1.1 | 6.4            | 162 | 3/8 sq. | 80          | 16.8      |
| UL-90  | 6,000      |  | 60 - 100     | 44.4 - 74.0   | 2.9    | 1.3 | 6.7            | 170 | 1/2 sq. | 82          | 18.6      |
| UL-100 | 5,400      |  | 80 - 130     | 59.2 - 96.2   | 3.7    | 1.7 | 7.0            | 177 | 1/2 sq. | 80          | 20.3      |
| UL-130 | 4,400      |  | 100 - 160    | 74.0 - 118.4  | 5.1    | 2.3 | 7.8            | 197 | 1/2 sq. | 83          | 22.7      |
| UL-150 | 3,800      |  | 150 - 230    | 109.9 - 169.6 | 6.6    | 3.0 | 8.4            | 213 | 3/4 sq. | 84          | 24.7      |



## UL SERIES INLINE NON SHUT-OFF

Recommended Air Pressure: 85 psi

| MODEL   | FREE SPEED |  | TORQUE RANGE |             | WEIGHT |     | OVERALL LENGTH |     | DRIVE   | SOUND LEVEL | AIR USAGE |
|---------|------------|--|--------------|-------------|--------|-----|----------------|-----|---------|-------------|-----------|
|         | RPM        |  | NM           | FT-LB       | LB     | KG  | IN             | MM  | IN      | dB(A)       | CFM       |
| UL-30SD | 5,000      |  | 6 - 12       | 4.4 - 8.9   | 1.4    | 0.6 | 8.2            | 209 | 1/4 hex | 75          | 8.1       |
| UL-30S  | 5,000      |  | 6 - 12       | 4.4 - 8.9   | 1.4    | 0.6 | 8.1            | 205 | 3/8 sq. | 72          | 8.1       |
| UL-40SD | 5,000      |  | 9 - 20       | 6.7 - 14.8  | 1.4    | 0.6 | 8.2            | 209 | 1/4 hex | 75          | 8.1       |
| UL-40S  | 5,000      |  | 11 - 22      | 8.1 - 16.3  | 1.4    | 0.6 | 8.1            | 205 | 3/8 sq. | 72          | 8.1       |
| UL-50SD | 6,400      |  | 18 - 28      | 13.3 - 20.7 | 1.6    | 0.7 | 8.4            | 214 | 1/4 hex | 78          | 12.3      |
| UL-50S  | 6,400      |  | 22 - 35      | 16.3 - 25.9 | 1.6    | 0.7 | 8.2            | 208 | 3/8 sq. | 78          | 12.3      |
| UL-60SD | 6,700      |  | 22 - 35      | 16.3 - 25.9 | 1.7    | 0.8 | 8.3            | 212 | 1/4 hex | 80          | 15.8      |
| UL-60S  | 6,700      |  | 32 - 50      | 23.7 - 37.0 | 1.7    | 0.8 | 8.2            | 209 | 3/8 sq. | 80          | 15.8      |
| UL-70S  | 5,400      |  | 36 - 60      | 26.6 - 44.4 | 1.9    | 0.9 | 8.8            | 223 | 3/8 sq. | 84          | 14.0      |

Air Hose Size: 1/4 I.D. for UL-30 (D/SD) - UL-50 (D/SD) - 3/8" I.D. for UL-60 (D/SD) - UL-150 (D/SD)

Air Inlet: N.P.T. 1/4

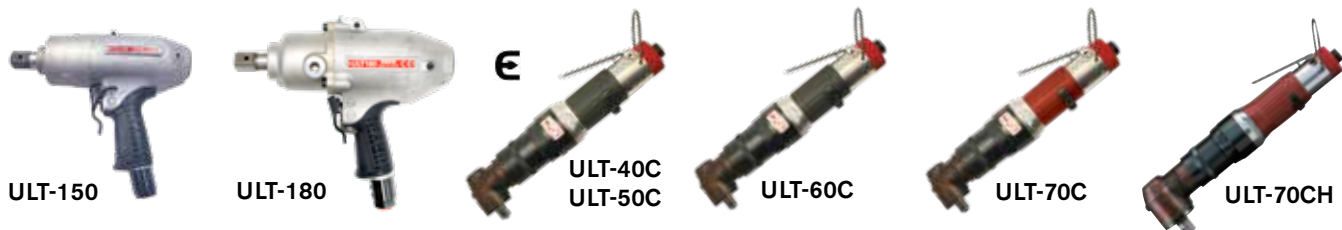
NOTE: Torque ranges reflect residual B joint torque values

All pulse tools ending in "D" include a 1/4" Hex quick-change bit holder.

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

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# OMEGA PULSE / ACRA-PULSE SERIES



## OMEGA PULSE ULT SERIES PISTOL / ANGLE SHUT-OFF

| MODEL    | FREE SPEED<br>RPM | TORQUE RANGE<br>NM FT-LB | WEIGHT<br>LB KG | OVERALL LENGTH<br>IN MM | DRIVE<br>IN | SOUND LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|----------|-------------------|--------------------------|-----------------|-------------------------|-------------|----------------------|------------------|
| PISTOL   |                   |                          |                 |                         |             |                      |                  |
| ULT-150  | 3,700             | 140 - 210                | 104 - 155       | 6.4 2.9                 | 9.5 240     | 3/4" Sq. Dr.         | 82 24.7          |
| ULT-180  | 3,300             | 160 - 250                | 118 - 185       | 8.1 3.7                 | 10.4 264    | 3/4" Sq. Dr.         | 82 24.7          |
| ANGLE    |                   |                          |                 |                         |             |                      |                  |
| ULT-40C  | 3,500             | 4.5 - 7.5                | 3.3 - 5.6       | 2.9 1.30                | 9.8 250     | 3/8" Sq. Dr.         | 70 7.0           |
| ULT-50C  | 4,500             | 7.0 - 15.5               | 5.2 - 11.5      | 3.0 1.35                | 9.8 250     | 3/8" Sq. Dr.         | 78 8.6           |
| ULT-60C  | 5,200             | 13 - 28                  | 9.6 - 20.7      | 3.2 1.45                | 10.3 261    | 3/8" Sq. Dr.         | 80 10.5          |
| ULT-70C  | 4,400             | 20 - 35                  | 14.8 - 25.9     | 3.6 1.65                | 10.8 275    | 3/8" Sq. Dr.         | 82 12.3          |
| ULT-70CH | 2,500             | 30 - 50                  | 22.2 - 37.0     | 4.1 1.85                | 11.4 290    | 1/2" Sq. Dr.         | 82 12.3          |

"L" following model number denotes Low Air Pressure type

NOTE: Torque ranges reflect residual B joint torque values

"H" within model number denotes High Torque type



## ACRA-PULSE PISTOL / INLINE SHUT-OFF 3/8" - 1/2" DRIVE

Recommended Air Pressure: 85 psi

| MODEL                    | FREE SPEED<br>RPM | TORQUE RANGE<br>NM FT-LB | OVERALL LENGTH<br>MM IN | WEIGHT<br>LB KG | FROM CENTER TO<br>OUTSIDE<br>MM IN | SQ.<br>DRIVE<br>IN | NOISE<br>LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|--------------------------|-------------------|--------------------------|-------------------------|-----------------|------------------------------------|--------------------|-------------------------|------------------|
| PISTOL 3/8" - 1/2" DRIVE |                   |                          |                         |                 |                                    |                    |                         |                  |
| UX-T700L*                | 7,500             | 13 - 26                  | 10 - 19                 | 187 7.4         | 3.2 1.5                            | 25.5 1.0           | 3/8                     | 72 10.5          |
| PISTOL 3/4" - 1" DRIVE   |                   |                          |                         |                 |                                    |                    |                         |                  |
| UXR-T1820                | 4,400             | 150 - 250                | 110 - 180               | 270 10.6        | 9.9 4.5                            | 42.0 1.7           | 3/4                     | 84 24.7          |
| UXR-T2000                | 4,000             | 200 - 400                | 150 - 290               | 303 11.9        | 15.0 6.8                           | 47.0 1.8           | 3/4                     | 85 34.0          |
| INLINE                   |                   |                          |                         |                 |                                    |                    |                         |                  |
| UXR-T2400S*              | 3,600             | 360 - 650                | 260 - 470               | 444 17.5        | 26.5 12.0                          | 61.5 2.4           | 1                       | 85 35.3          |
| UXR-T3000S               | 4,400             | 450 - 850                | 330 - 620               | 477 18.8        | 32.0 14.5                          | 62.0 2.4           | 1                       | 85 37.1          |

Air Hose Size: 3/8" I.D. 1/2" I.D. for UXR-T1820 - UXR-T3000S

Air Inlet: N.P.T. 1/4" 3/8" for UXR-T1820 & UXR-T2000 1/2" for UXR-T2400S & UXR-T3000S

NOTE: Torque ranges reflect residual B joint torque values

Inside Trigger Standard (UXR-T2400S - UXR-T3000S)

\* UX-T700L and UXR-T2400S models can be equipped with a TM (Tightening Monitor) feature for use with qualifier systems. Order TM tools by adding "TM" to model number (for example, UX-T700L becomes UX-T700LTM).

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

# ACRA-PULSE SERIES



U-350D



UX-450D



UX-500D



UX-612D

## PISTOL NON SHUT-OFF 1/4" HEX DRIVE

Recommended Air Pressure: 85 psi

| MODEL   | FREE SPEED<br>RPM | TORQUE RANGE<br>NM FT-LB | OVERALL LENGTH<br>MM IN | WEIGHT<br>LB KG | FROM CENTER TO OUTSIDE<br>MM IN | NOISE LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|---------|-------------------|--------------------------|-------------------------|-----------------|---------------------------------|----------------------|------------------|
| U-350D  | 10,500            | 3.5 - 5.8 2.5 - 4.2      | 154 6.1                 | 1.7 0.8         | 22.0 0.9                        | 74                   | 5.3              |
| UX-450D | 9,500             | 8 - 14 5.8 - 10          | 152 6.0                 | 1.9 0.9         | 22.0 0.9                        | <70                  | 7.0              |
| UX-500D | 9,300             | 13 - 20 10 - 15          | 152 6.0                 | 1.9 0.9         | 22.0 0.9                        | 70                   | 8.8              |
| UX-612D | 9,300             | 16 - 28 12 - 20          | 165 6.5                 | 2.1 1.0         | 22.5 0.9                        | 75                   | 11.2             |

Air Hose Size: 1/4 I.D. for U-350D - UX-500D - 3/8" I.D. for UX-612D  
All Tools Standard with 1/4" Quick Change Chuck

Air Inlet Thread: N.P.T. 1/4

NOTE: Torque ranges reflect residual B joint torque values



UX-450



UX-500



UX-612



UX-700



UX-800



UX-900  
UX-1000



UX-1300



UX-1400

## PISTOL NON SHUT-OFF 3/8" - 1/2" DRIVE

Recommended Air Pressure: 85 psi

| MODEL   | FREE SPEED<br>RPM | TORQUE RANGE<br>NM FT-LB | OVERALL LENGTH<br>MM IN | WEIGHT<br>LB KG | FROM CENTER TO OUTSIDE<br>MM IN | SQ. DRIVE<br>IN | NOISE LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|---------|-------------------|--------------------------|-------------------------|-----------------|---------------------------------|-----------------|----------------------|------------------|
| UX-450  | 9,500             | 9 - 15 6.5 - 11          | 147 5.8                 | 1.9 0.9         | 22.0 0.9                        | 3/8             | 65                   | 7.0              |
| UX-500  | 9,300             | 15 - 25 11 - 19          | 147 5.8                 | 1.9 0.9         | 22.0 0.9                        | 3/8             | 70                   | 8.8              |
| UX-612  | 9,300             | 20 - 35 15 - 25          | 160 6.3                 | 2.1 1.0         | 22.5 0.9                        | 3/8             | 75                   | 11.2             |
| UX-700  | 9,000             | 25 - 45 20 - 35          | 169 6.7                 | 3.0 1.4         | 25.5 1.0                        | 3/8             | 73                   | 12.3             |
| UX-800  | 9,000             | 35 - 60 25 - 45          | 175 6.9                 | 3.7 1.7         | 28.0 1.1                        | 3/8             | 73                   | 14.1             |
| UX-900  | 7,600             | 45 - 75 35 - 55          | 181 7.1                 | 4.1 1.9         | 30.0 1.2                        | 1/2             | 75                   | 14.7             |
| UX-1000 | 6,800             | 50 - 95 40 - 70          | 187 7.4                 | 4.8 2.2         | 33.0 1.3                        | 1/2             | 75                   | 17.9             |
| UX-1300 | 6,200             | 80 - 130 60 - 95         | 205 8.1                 | 5.9 2.7         | 36.0 1.4                        | 1/2             | 76                   | 19.4             |
| UX-1400 | 5,300             | 100 - 160 75 - 120       | 224 8.8                 | 7.0 3.2         | 40.0 1.6                        | 1/2             | 78                   | 21.1             |

Air Hose Size: 1/4" I.D. for U-410 - UX-500 - 3/8" I.D. for UX-612 - UX-1400

Air Inlet: N.P.T. 1/4"

NOTE: Torque ranges reflect residual B joint torque values



UX-1620



UXR-1820



UXR-2000

## PISTOL NON SHUT-OFF 3/4" - 1" DRIVE

Recommended Air Pressure: 85 psi

| MODEL    | FREE SPEED<br>RPM | TORQUE RANGE<br>NM FT-LB | OVERALL LENGTH<br>MM IN | WEIGHT<br>LB KG | FROM CENTER TO OUTSIDE<br>MM IN | SQ. DRIVE<br>IN | NOISE LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|----------|-------------------|--------------------------|-------------------------|-----------------|---------------------------------|-----------------|----------------------|------------------|
| UX-1620  | 5,000             | 120 - 190 90.0 - 140.0   | 241 9.5                 | 7.9 3.6         | 40.0 1.6                        | 3/4             | 82                   | 22.9             |
| UXR-1820 | 4,600             | 160 - 250 120.0 - 185.0  | 242 9.5                 | 9.0 4.1         | 42.0 1.7                        | 3/4             | 84                   | 26.3             |
| UXR-2000 | 4,200             | 300 - 450 220.0 - 330.0  | 282 11.1                | 14.3 6.5        | 47.0 1.8                        | 3/4             | 85                   | 31.5             |

Air Hose Size: 3/8" I.D. for UX-1620 1/2" I.D. for UXR-1820

Air Inlet: N.P.T. 1/4" for UX-1620 N.P.T. 3/8" for UXR-1820, UXR-2000

NOTE: Torque ranges reflect residual B joint torque values Torque Control in Left-Hand Rotation Available for UXR-2000

## AUTO REVERSING

Recommended Air Pressure: 85 psi

| MODEL    | FREE SPEED<br>RPM | TORQUE RANGE<br>NM FT-LB | OVERALL LENGTH<br>MM IN | WEIGHT<br>LB KG | FROM CENTER TO OUTSIDE<br>MM IN | NOISE LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|----------|-------------------|--------------------------|-------------------------|-----------------|---------------------------------|----------------------|------------------|
| UX-ST800 | 7,300             | 35 - 55 25 - 40          | 195 7.7                 | 3.8 1.8         | 28.0 1.1                        | 75                   | 10.5             |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

NOTE: Torque ranges reflect residual B joint torque values

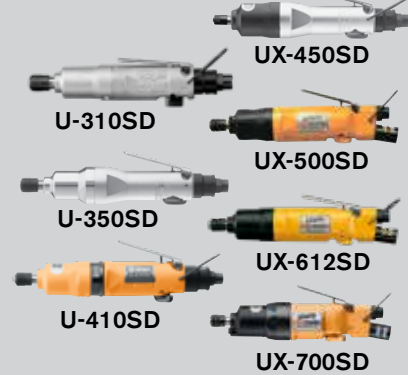


UX-ST800

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

# ACRA-PULSE SERIES

## 1/4" Hex Drive



## 3/8" Sq. Drive



## 1/2" Sq. Drive



## 3/4"-1" Sq. Drive



## INLINE NON SHUT-OFF

Recommended Air Pressure: 85 psi

| MODEL                                                             | FREE SPEED<br>RPM | TORQUE RANGE<br>NM | FT-LB     | OVERALL LENGTH<br>MM | IN   | WEIGHT<br>LB | KG   | FROM CENTER TO<br>OUTSIDE<br>MM | IN  | NOISE LEVEL<br>dB(A) | AIR<br>USAGE<br>CFM | AIR HOSE<br>SIZE (I.D.) |
|-------------------------------------------------------------------|-------------------|--------------------|-----------|----------------------|------|--------------|------|---------------------------------|-----|----------------------|---------------------|-------------------------|
| 1/4" Hex Drive (Tools Come Standard with 1/4" Quick Change Chuck) |                   |                    |           |                      |      |              |      |                                 |     |                      |                     |                         |
| U-310SD                                                           | 11,000            | 2.5 - 3.1          | 1.8 - 2.2 | 222                  | 8.7  | 1.5          | 0.6  | 18.0                            | 0.7 | 74                   | 5.3                 | 1/4"                    |
| U-350SD                                                           | 10,500            | 3.5 - 5.8          | 2.5 - 4.2 | 238                  | 9.4  | 1.5          | 0.7  | 22.0                            | 0.7 | 74                   | 5.3                 | 1/4"                    |
| U-410SD                                                           | 10,500            | 7 - 10             | 5.0 - 7.2 | 240                  | 9.5  | 1.8          | 0.8  | 22.0                            | 0.9 | 70                   | 5.3                 | 1/4"                    |
| UX-450SD                                                          | 9,500             | 8 - 14             | 5.8 - 10  | 239                  | 9.4  | 1.8          | 0.8  | 22.0                            | 0.9 | <70                  | 7.0                 | 1/4"                    |
| UX-500SD                                                          | 9,300             | 13 - 20            | 10 - 15   | 244                  | 9.5  | 2.0          | 0.9  | 22.0                            | 0.9 | 70                   | 8.8                 | 1/4"                    |
| UX-612SD                                                          | 9,300             | 16 - 28            | 12 - 20   | 253                  | 10.0 | 2.2          | 1.0  | 23.3                            | 0.9 | 75                   | 11.1                | 3/8"                    |
| UX-700SD                                                          | 9,000             | 20 - 36            | 16 - 28   | 249                  | 9.8  | 2.8          | 1.3  | 26.5                            | 1.0 | 78                   | 12.3                | 3/8"                    |
| 3/8" Sq. Drive                                                    |                   |                    |           |                      |      |              |      |                                 |     |                      |                     |                         |
| U-410S                                                            | 10,500            | 7 - 10             | 5.0 - 7.2 | 239                  | 9.4  | 1.8          | 0.8  | 22.0                            | 0.9 | 70                   | 5.3                 | 1/4"                    |
| UX-450S                                                           | 9,500             | 9 - 15             | 6.5 - 11  | 234                  | 9.2  | 1.8          | 0.8  | 22.0                            | 0.9 | <70                  | 7.0                 | 1/4"                    |
| UX-500S                                                           | 9,300             | 15 - 25            | 11 - 19   | 239                  | 9.4  | 2.0          | 0.9  | 22.0                            | 0.9 | 70                   | 8.8                 | 1/4"                    |
| UX-612S                                                           | 9,300             | 20 - 35            | 15 - 25   | 248                  | 9.8  | 2.2          | 1.0  | 23.3                            | 0.9 | 75                   | 11.1                | 3/8"                    |
| UX-700S                                                           | 9,000             | 25 - 45            | 20 - 35   | 244                  | 9.5  | 2.8          | 1.3  | 26.5                            | 1.0 | 78                   | 12.3                | 3/8"                    |
| UX-800S                                                           | 9,000             | 35 - 60            | 25 - 45   | 250                  | 9.8  | 3.2          | 1.5  | 35.5                            | 1.0 | 75                   | 14.2                | 3/8"                    |
| 1/2" Sq. Drive                                                    |                   |                    |           |                      |      |              |      |                                 |     |                      |                     |                         |
| UX-900S                                                           | 7,600             | 45 - 75            | 35 - 55   | 310                  | 12.2 | 3.9          | 1.8  | 37.5                            | 1.1 | 75                   | 14.9                | 3/8"                    |
| UX-1000S                                                          | 6,800             | 50 - 95            | 40 - 70   | 320                  | 12.6 | 4.6          | 2.1  | 39.0                            | 1.1 | 75                   | 17.9                | 3/8"                    |
| UX-1300S                                                          | 6,200             | 80 - 130           | 60 - 95   | 336                  | 13.2 | 6.6          | 2.6  | 42.0                            | 1.3 | 77                   | 19.4                | 3/8"                    |
| 3/4" Drive                                                        |                   |                    |           |                      |      |              |      |                                 |     |                      |                     |                         |
| UXR-2000S*                                                        | 4,200             | 300 - 450          | 220 - 330 | 340                  | 13.4 | 15.4         | 7.0  | 47.0                            | 1.8 | 85                   | 31.6                | 1/2"                    |
| 1" Sq. Drive                                                      |                   |                    |           |                      |      |              |      |                                 |     |                      |                     |                         |
| UXR-2400S*                                                        | 4,000             | 400 - 650          | 290 - 470 | 385                  | 15.2 | 23.7         | 11.0 | 55.0                            | 2.1 | 85                   | 35.2                | 1/2"                    |
| UXR-3000S*                                                        | 4,400             | 500 - 850          | 360 - 630 | 455                  | 17.9 | 29.3         | 13.3 | 62.0                            | 2.1 | 85                   | 37.1                | 1/2"                    |

Air Inlet N.P.T.: 1/4" 3/8" for UXR-2000S 1/2" for UXR-2400S and UXR-3000S

\*Torque control in left-hand rotation available

NOTE: Torque ranges reflect residual B joint torque values



## ANGLE 3/8" - 1/2" DRIVE

Recommended Air Pressure: 85 psi

| MODEL      | FREE SPEED<br>RPM | TORQUE RANGE<br>NM | FT-LB       | WEIGHT<br>LB | KG  | OVERALL LENGTH<br>MM | IN   | SQ. DRIVE<br>IN | NOISE LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|------------|-------------------|--------------------|-------------|--------------|-----|----------------------|------|-----------------|----------------------|------------------|
| ALPHA-70C  | 6,300             | 28 - 45            | 20.2 - 32.5 | 3.9          | 1.8 | 266                  | 10.5 | 3/8             | 82                   | 15.8             |
| ALPHA-70CH | 3,600             | 50 - 76            | 36.1 - 56.0 | 4.4          | 2.0 | 282                  | 11.1 | 1/2             | 82                   | 15.8             |
| UX-500C    | 9,300             | 13 - 20            | 10.0 - 15.0 | 2.8          | 1.3 | 270                  | 10.6 | 3/8             | 82                   | 8.8              |
| UX-612C    | 9,800             | 16 - 28            | 12.0 - 20.0 | 3.0          | 1.4 | 283                  | 11.1 | 3/8             | 85                   | 11.2             |
| UX-700C    | 9,500             | 20 - 36            | 16.0 - 28.0 | 3.7          | 1.7 | 273                  | 10.8 | 3/8             | 85                   | 12.3             |
| UX-800C    | 9,000             | 29 - 43            | 20.0 - 31.0 | 4.3          | 1.9 | 285                  | 11.2 | 3/8             | 85                   | 14.1             |
| UX-1000C   | 6,800             | 50 - 80            | 40.0 - 58.0 | 6.8          | 3.1 | 365                  | 14.4 | 1/2             | 90                   | 17.9             |

Air Hose Size: 1/4" I.D. for UX-500C - 3/8" I.D. for ALPHA-70C, ALPHA-70CH, UX-612C - UX-1000C

Air Inlet: N.P.T. 1/4

NOTE: Torque ranges reflect residual B joint torque values

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

# UTM SERIES FASTENING COUNTER

## FLEXIBLE POKA-YOKE FOR QUALITY AND LINE CONTROL

The UTM-1500 Fastening Counter helps you verify that your assembly procedures are being followed. Parameter setup is simple and can be programmed at the front panel or via a PC. The UTM-1500 provides audible and visual Accept/Reject indications on all rundowns, ensuring that all your fastening is secure.



### FEATURES AND BENEFITS

- For use with tools that have the TM feature installed, including AIMCO pulse tools, AIMCO angle nutrunners, AIMCO clutch screwdrivers, and all pistol or lever-start screwdrivers
- Automatically set up pressure values
- Communication and line control:
  - PLC communication inputs (5)/outputs (8)
  - Remote parameter switch selection
  - Variable relays for interfacing with process equipment
  - Optional network interfaces available
- Qualification of “good cycle”



### PROCESS VERIFICATION

- Four selectable parameters
- Cycle counting and batch counting
- Programmable timers for detection of double hits, cross-threads, or premature trigger release

### A COMPLETE TURNKEY SYSTEM INCLUDES:

- New or retrofitted TM tool
  - Retrofit most existing AIMCO tools for under \$200. Contact an AIMCO Customer Service Associate, 1-503-254-6600, or toll free 1-800-852-1368.
  - Order TM tools by adding “TM” to model number. (Example: UAT-70 becomes UAT-70TM)
- UTM-1500 Fastening Counter
- Digital Pressure Switch (878-845-1)
- 5 m Sensor Cable (910-831-0) *or* 10 m Sensor Cable (910-832-0)

| MODEL     | VOLTAGE & FREQUENCY | OPERATIONAL AMBIENT TEMPERATURE | OPERATIONAL AMBIENT & HUMIDITY | DIMENSIONS                                     | WEIGHT |     |
|-----------|---------------------|---------------------------------|--------------------------------|------------------------------------------------|--------|-----|
|           |                     |                                 |                                |                                                | LB     | KG  |
| UTM-1500A | 115 V / 50 Hz       | 0 - 50° C (non-freezing)        | 90% RH or less (no dew)        | 200 mm x 210 mm x 100 mm<br>7.9" x 8.3" x 3.9" | 4.5    | 2.0 |
| UTM-1500E | 230 V / 60 Hz       | 0 - 50° C (non-freezing)        | 90% RH or less (no dew)        | 200 mm x 210 mm x 100 mm<br>7.9" x 8.3" x 3.9" | 4.5    | 2.0 |

# BP-T PULSE SERIES CORDLESS TOOLS

***“Operator First” design means a lighter-weight, ergonomic pulse tool***

## FEATURES AND BENEFITS

- Direct Power Train and High-Efficiency Brushless Electric Motor deliver reduced noise and vibration
- Hydraulic Impulse Unit delivers reaction-free tightening
- Cooling fan improves heat management, increasing duty cycle up to 20% over the UDBP-TA series
- High-capacity Li-Ion battery pack provides up to 20% more fastener runs per charge than the UDBP-TA series
- The Ergonomic Handle coupled with a Compact Design provides an improved user experience



| MODEL*           | CAPACITY<br>(NOMINAL<br>BOLT SIZE) |          | TORQUE<br>RANGE |          | FREE<br>SPEED | OVERALL<br>LENGTH |     | WEIGHT W/O SOCKET BIT |      |                     |      | FROM<br>CENTER TO<br>OUTSIDE |     | SQ. DR OR<br>HEX SIZE |         | SOUND<br>LEVEL<br>dB(A) | BATTERY<br>VOLTAGE<br>(CAPACITY) |
|------------------|------------------------------------|----------|-----------------|----------|---------------|-------------------|-----|-----------------------|------|---------------------|------|------------------------------|-----|-----------------------|---------|-------------------------|----------------------------------|
|                  | MM                                 | IN       | NM              | FT-LB    |               | MM                | IN  | W/BATTERY<br>KG       | LB   | W/OUT BATTERY<br>KG | LB   | MM                           | IN  | MM                    | IN      |                         |                                  |
| BP-T40-(B)(KIT)  | 5                                  | No. 10   | 4.5-8           | 3.3-5.9  | 3,300         | 197               | 7.8 | 1.4                   | 3.08 | 1.15                | 2.53 | 27                           | 1.1 | 9.5 Hex               | 3/8 Sq. | 75                      | 10.8V (2.0Ah)                    |
| BP-T40D-(B)(KIT) | 5                                  | No. 10   | 4.5-8           | 3.3-5.9  | 3,300         | 200               | 7.9 | 1.4                   | 3.08 | 1.15                | 2.53 | 27                           | 1.1 | 6.35 Hex              | 1/4 Hex | 75                      | 10.8V (2.0Ah)                    |
| BP-T50-(B)(KIT)  | 6-8                                | 1/4-5/16 | 7-15            | 5.1-11.1 | 3,900         | 197               | 7.8 | 1.4                   | 3.08 | 1.15                | 2.53 | 27                           | 1.1 | 9.5 Sq.               | 3/8 Sq. | 76                      | 10.8V (2.0Ah)                    |
| BP-T50D-(B)(KIT) | 6-8                                | 1/4-5/16 | 6.5-13          | 4.8-9.6  | 3,900         | 200               | 7.9 | 1.4                   | 3.08 | 1.15                | 2.53 | 27                           | 1.1 | 6.35 Hex              | 1/4 Hex | 76                      | 10.8V (2.0Ah)                    |
| BP-T60-(B)(KIT)  | 8                                  | 5/16     | 13-26           | 9.6-19.2 | 4,800         | 202               | 8.0 | 1.6                   | 3.52 | 1.25                | 2.75 | 27                           | 1.1 | 9.5 Sq.               | 3/8 Sq. | 76                      | 14.4V (2.0Ah)                    |
| BP-T60D-(B)(KIT) | 8                                  | 5/16     | 13-26           | 9.6-19.2 | 4,800         | 205               | 8.1 | 1.6                   | 3.52 | 1.25                | 2.75 | 27                           | 1.1 | 6.35 Hex              | 1/4 Hex | 77                      | 14.4V (2.0Ah)                    |

\* Base models come with no battery. Batteries are available separately or in tool/kits combinations.

Add "B" to end of the model number to order 1 tool with 1 battery.

Add "KIT" to the end of the model number to order a tool kit, which includes 1 tool, 2 batteries, and 1 battery charger.



**10.8 V Battery:  
EYFB32**



**14.4 V Battery:  
EYFB41**



**Battery Charger: EY0L82B**

## BATTERIES AND BATTERY CHARGER

| BATTERY |                                                  |                   |               |                          |                  |
|---------|--------------------------------------------------|-------------------|---------------|--------------------------|------------------|
| MODEL # | DESCRIPTION                                      |                   | VOLTAGE       | TYPE                     | CAPACITY         |
| EYFB32  | Battery for BP-T40, BP-T40D, BP-T50, and BP-T50D |                   | 10.8V         | Li-Ion                   | 2.0Ah            |
| EYFB41  | Battery for BP-T60 and BP-T60D                   |                   | 14.4V         | Li-Ion                   | 2.0Ah            |
| CHARGER |                                                  |                   |               |                          |                  |
| MODEL # | DESCRIPTION                                      | WEIGHT            | INPUT VOLTAGE | DIMENSIONS               | BATTERY CAPACITY |
| EY0L82B | Li-Ion battery charger                           | 0.93 kg (2.0 lbs) | 120VAC        | 9.3" D x 7.1" W x 3.6" H | 3.0 - 4.2Ah      |

## BODY JACKET



**10C-840-1  
for BP-T40/BP-T50 Series**

**10E-840-1  
for BP-T60 Series**

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

# UDBP-TA PULSE SERIES CORDLESS TOOLS

***Cordless pulse tool combines industry-leading pulse technology  
with Lithium-Ion battery power***

## FEATURES AND BENEFITS

- Uryu Direct Battery Pulse (UDBP) design connects the pulse unit directly to the motor – no reduction gearing – resulting in a tool with less noise and vibration
- Brushless Internal Permanent Magnet (IPM) motor provides longer motor life and more efficiency allowing more fastening cycles per battery charge
- Auto Relief Technology provides additional control to the application of torque during the pulsing events
- On board LEDs for application illumination
- Li-Ion battery provides more power and ends the “battery-memory” issues of NiCd batteries
- RF Types transmit “good” signal to receiver (sold separately) over 426 Mhz
- “Good” signal can be used for Poka-Yoke or Bolt Counting



UDBP-TA70(P)

| MODEL*          | TYPE                                   | FREE SPEED RPM | TORQUE RANGE NM | FT-LB       | WEIGHT W/ BATTERY KG | LB  | LENGTH MM | IN  | DRIVE IN | SOUND LEVEL dB(A) | VOLTAGE V | BATTERY | CHARGER |
|-----------------|----------------------------------------|----------------|-----------------|-------------|----------------------|-----|-----------|-----|----------|-------------------|-----------|---------|---------|
| UDBP-TA70(P)    | Shut-off                               | 4,800          | 26 - 47         | 19.2 - 34.7 | 2.0                  | 4.4 | 234       | 9.2 | 3/8 sq.  | 76                | 33.3      | UB333Li | UBC     |
| UDBP-TA70(P)-RF | Shut-off with wireless RF transmission | 4,800          | 26 - 47         | 19.2 - 34.7 | 2.0                  | 4.4 | 234       | 9.2 | 3/8 sq.  | 76                | 33.3      | UB333Li | UBC     |

\* (P) Designates 3/8" square drive anvil with socket retainer pin. Tools with no (P) suffix have a quick-change driver anvil.

NOTE: Torque ranges reflect residual B joint torque values.

- Use part number **UDBP-TA70(P)-B** for a kit that includes 1 standard shut-off tool and 1 battery.
- Use part number **UDBP-TA70(P)-KIT** for a kit that includes 1 standard shut-off tool, 2 batteries, and 1 charger.
- Use part number **UDBP-TA70(P)-RF-B** for a kit that includes 1 RF shut-off tool and 1 battery. Use part number **UDBP-TA70(P)-RF-KIT** for a kit that includes 1 standard shut-off tool, 2 batteries, and 1 charger.
- Use part number **UDBP-TA70(P)-RF-KTR** for a kit that includes 1 RF shut-off tool, 2 batteries, 1 charger, and 1 receiver.

## ACCESSORIES FOR UDBP SERIES



Battery: UB333Li



Charger: UBC



Battery Cover:  
863-978-1



Body Jacket:  
863-966-1



RF Receiver:  
TWF-600R

| MODEL     | DESCRIPTION                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------|
| UB333Li   | Lithium-Ion battery                                                                                  |
| UBC       | Battery charger. Charge Time: 80% battery capacity - 40 minutes, 100% battery capacity - 64 minutes. |
| 863-966-1 | Body jacket for UDBP TA70 series                                                                     |
| 863-978-1 | Battery Cover for UDBP 70 Series                                                                     |
| TWF-600R  | Receiver for UDBP (RF) type tools 426 Mhz (sold separately)                                          |

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

Visit our website [www.aimco-global.com](http://www.aimco-global.com)

# UDP-TA SERIES

## DIRECT PLUG IN, SHUT OFF PULSE TOOLS

### FEATURES AND BENEFITS

- Direct Wall Plug in – Tool plugs directly to 100 – 115 VAC wall power with circuit protection breaker box or integrated power cable balancer
- Brushless (IPM) Motor provides long motor life with integrated trigger activated fan for increased duty cycle
- Patented Auto Relief Pulse Unit Technology
- Lightweight, high impact, rugged plastic housing for superior ergonomics
- Optional power cable integrated balancer available



UDP-TA40(B)



UDP-TA50D(B-TL)

| MODEL                                   | TORQUE RANGE |            | RPM<br>FREE SPEED | OVERALL LENGTH |       | WEIGHT |     | DRIVE    |
|-----------------------------------------|--------------|------------|-------------------|----------------|-------|--------|-----|----------|
|                                         | NM           | FT-LB      |                   | IN             | MM    | LB     | KG  |          |
| Bottom Cable Exit Models (denoted by B) |              |            |                   |                |       |        |     |          |
| UDP-TA40 (B)                            | 4.5 - 8.0    | 3.3 - 5.9  | 3,300             | 7.1            | 179.5 | 3.0    | 1.4 | 3/8" Sq. |
| UDP-TA40D (B)                           | 4.5 - 8.0    | 3.3 - 5.9  | 3,300             | 7.2            | 182.5 | 3.0    | 1.4 | 1/4" Hex |
| UDP-TA50 (B)                            | 7.0 - 15.5   | 5.2 - 11.5 | 3,900             | 7.1            | 179.5 | 3.0    | 1.4 | 3/8 Sq.  |
| UDP-TA50D (B)                           | 7.0 - 15.5   | 5.2 - 11.5 | 3,900             | 7.2            | 182.5 | 3.0    | 1.4 | 1/4" Hex |
| UDP-TA55 (B)                            | 12.5 - 25.0  | 9.3 - 18.5 | 4,800             | 7.3            | 184.5 | 3.0    | 1.4 | 3/8" Sq. |

|                                            |             |            |       |     |       |     |     |          |
|--------------------------------------------|-------------|------------|-------|-----|-------|-----|-----|----------|
| Top Cable Exit Models (denoted by (B-TL) ) |             |            |       |     |       |     |     |          |
| UDP-TA40 (B-TL)                            | 4.5 - 8.0   | 3.3 - 5.9  | 3,300 | 7.1 | 179.5 | 3.0 | 1.4 | 3/8" Sq. |
| UDP-TA40D (B-TL)                           | 4.5 - 8.0   | 3.3 - 5.9  | 3,300 | 7.2 | 182.5 | 3.0 | 1.4 | 1/4" Hex |
| UDP-TA50 (B-TL)                            | 7.0 - 15.5  | 5.2 - 11.5 | 3,900 | 7.1 | 179.5 | 3.0 | 1.4 | 3/8" Sq. |
| UDP-TA50D (B-TL)                           | 7.0 - 15.5  | 5.2 - 11.5 | 3,900 | 7.2 | 182.5 | 3.0 | 1.4 | 1/4" Hex |
| UDP-TA55 (B-TL)                            | 12.5 - 25.0 | 9.3 - 18.5 | 4,800 | 7.3 | 184.5 | 3.0 | 1.4 | 3/8" Sq. |

### OPTIONAL ACCESSORIES

| MODEL      | DESCRIPTION                        |
|------------|------------------------------------|
| UCB-25     | Power Cable Balancer               |
| UCB-TA-CBL | 110VAC Wall-to-Breaker Power Cable |
| 910-629-0  | Breaker Unit                       |
| 910-618-0  | 5M UDP Tool to Breaker Cable       |
| 910-619-0  | 10M UDP Tool to Breaker Cable      |
| 910-627-0  | 5M UDP Extension Cable*            |

\* Extension Cables connect between Tool and Breaker Cables



UCB-25  
Power Cable  
Balancer



910-619-0  
10M Tool-to-Breaker Cable



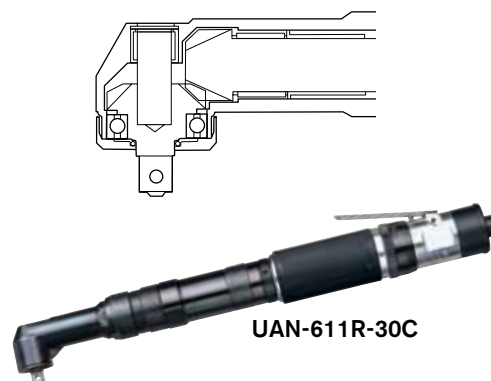
910-629-0 Breaker Unit  
UCB-TA-CBL Wall-to-Breaker  
Power Cable

# UAN & URW SERIES NUTRUNNERS

## UAN SERIES ANGLE NUTRUNNERS

Designed for fastening in tight quarters or applications not served well by a pulse tool. The UAN Series transfers torque through beveled angle gears, continuously driving the fastener. When the resistance to rotation overcomes the spring resistance on the clutch, the tool will disengage at the adjusted torque value. Low reaction force characteristics on hard joints make it comfortable for the operator to use. Ideal for applications ranging from 6 – 60 Nm (4 – 44 ft-lb).

- Torque Control
- Electronically Monitored or Controlled type



UAN-611R-30C

## ANGLE/INLINE TORQUE CONTROL UAN SERIES

Recommended Air Pressure: 85 psi

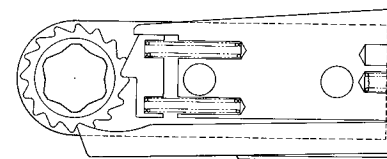
| MODEL        | TORQUE RANGE |             | FREE SPEED | OVERALL LENGTH |      | ANGLE HEAD HEIGHT |     | FROM CENTER TO OUTSIDE |     | WEIGHT LESS SOCKET |     | SQUARE DRIVE | NOISE LEVEL | AIR USAGE |
|--------------|--------------|-------------|------------|----------------|------|-------------------|-----|------------------------|-----|--------------------|-----|--------------|-------------|-----------|
|              | NM           | FT-LB       | RPM        | MM             | IN   | MM                | IN  | MM                     | IN  | KG                 | LB  | IN           | dB(A)       | CFM       |
| ANGLE        |              |             |            |                |      |                   |     |                        |     |                    |     |              |             |           |
| UAN-611R-60C | 6.5 - 12.0   | 4.3 - 8.6   | 620        | 383            | 15.1 | 47                | 1.9 | 14.0                   | 0.5 | 1.6                | 3.5 | 3/8          | 80          | 21.2      |
| UAN-611R-50C | 8.5 - 15.0   | 5.7 - 10.8  | 470        | 373            | 14.7 | 47                | 1.9 | 14.0                   | 0.5 | 1.6                | 3.5 | 3/8          | 80          | 21.2      |
| UAN-611R-40C | 10.0 - 18.0  | 7.2 - 12.9  | 400        | 373            | 14.7 | 47                | 1.9 | 14.0                   | 0.5 | 1.6                | 3.5 | 3/8          | 80          | 21.2      |
| UAN-611R-30C | 13.0 - 25.0  | 9.3 - 18.0  | 270        | 373            | 14.7 | 47                | 1.9 | 14.0                   | 0.5 | 1.6                | 3.5 | 3/8          | 80          | 21.2      |
| UAN-701R-60C | 20.0 - 31.0  | 14.5 - 23.1 | 600        | 445            | 17.5 | 47                | 1.9 | 14.0                   | 0.5 | 2.4                | 5.3 | 3/8          | 85          | 31.8      |
| UAN-701R-40C | 28.0 - 45.0  | 21.0 - 33.3 | 400        | 455            | 17.9 | 51                | 2.0 | 18.0                   | 0.7 | 2.4                | 5.3 | 3/8          | 85          | 31.8      |
| UAN-701R-30C | 37.0 - 60.0  | 27.5 - 44.1 | 300        | 455            | 17.9 | 58                | 2.3 | 18.0                   | 0.7 | 2.4                | 5.3 | 1/2          | 85          | 31.8      |

Air Hose Size: 3/8 I.D.

Air Inlet: N.P.T. 1/4

## URW SERIES IN-LINE RATCHET WRENCHES

Designed to set flush over the fastener head, the URW Series is ideal for narrow fastening spaces. Motor torque is transferred from a gear driven, dual lobed cam that pushes a spring loaded push rod, rotating the socket one tooth at a time. A wide variety of socket sizes, head thicknesses, and tool lengths allow the URW Series access to many difficult applications.



URW-8

URW-9N

URW-10N

URW-12N

## URW SERIES RATCHET WRENCHES

Recommended Air Pressure: 85 psi

| MODEL         | MAX TORQUE |       | FREE SPEED | OVERALL LENGTH |      | WEIGHT |     | MIN/MAX HEX SOCKET SIZE |             | AIR USAGE |
|---------------|------------|-------|------------|----------------|------|--------|-----|-------------------------|-------------|-----------|
|               | NM         | FT-LB | RPM        | MM             | IN   | LB     | KG  | MM                      | IN          | CFM       |
| STRAIGHT HEAD |            |       |            |                |      |        |     |                         |             |           |
| URW-6         | 11         | 8.1   | 210        | 292            | 11.5 | 2.5    | 1.2 | 6 - 12                  | 1/4 - 7/16  | 9.9       |
| URW-8N        | 16         | 11.8  | 260        | 300            | 11.8 | 4.2    | 1.9 | 7 - 15                  | 7/16 - 9/16 | 19.5      |
| URW-8         | 16         | 11.8  | 240        | 360            | 14.2 | 5.0    | 2.3 | 7 - 15                  | 7/16 - 9/16 | 19.8      |
| URW-9N        | 31         | 22.9  | 140        | 380            | 15.0 | 5.2    | 2.4 | 7 - 15                  | 7/16 - 9/16 | 23.7      |
| URW-10N       | 57         | 42.2  | 155        | 394            | 15.5 | 5.8    | 2.7 | 10 - 19                 | 9/16 - 3/4  | 25.0      |
| URW-12N       | 59         | 43.7  | 145        | 397            | 15.6 | 5.9    | 2.7 | 12 - 23                 | 3/8 - 13/16 | 25.0      |

Air Hose Size: 3/8 I.D.

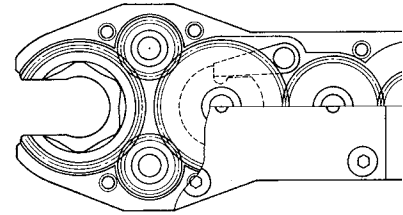
Air Inlet: N.P.T. 1/4

# TUBENUT & GEARED NUTRUNNERS

## UOW SERIES OPEN-END NUTRUNNERS

Designed for tubenut fastening, the UOW Series can transfer torque through a variety of options.

- Stall Type – Depending on the application requirements, the standard UOW Series will stall when torque resistance matches power output
- Mechanical Shut-off Type – For greater torque accuracy and less reaction impulse to the operator, the UOW-T Series incorporates a mechanical clutch to shut off the tool at the preset torque
- Electronically Monitored Type – For critical torque applications requiring monitoring or controlling of the fastening torque, the UOW-M Series utilizes a transducer to signal the clutch shut-off
- UOW series incorporates a one-hand, two-step throttle, which automatically reverses the socket to a preset open position



UOW-11-10



UOW-11-14



UOW-11-22



UOW-11-30



UOW-T60-22



UGW-8N

## UOW/UOW-T SERIES TUBENUT WRENCHES

Recommended Air Pressure: 85 psi

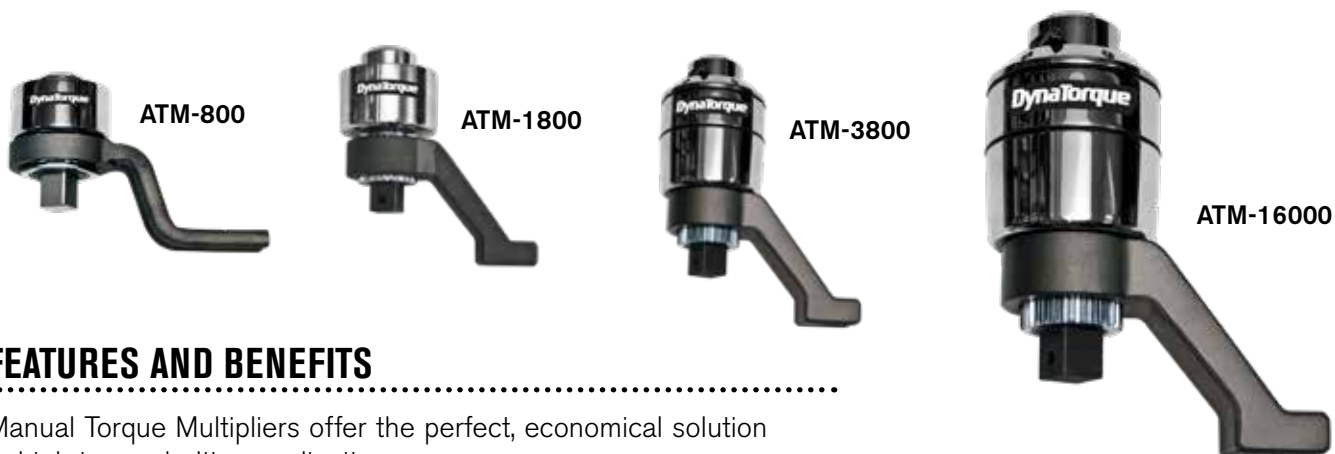
| MODEL           | MAX TORQUE/RANGE |            | FREE SPEED | OVERALL LENGTH |      | WEIGHT |     | MIN/MAX HEX SOCKET SIZE |              | NOISE LEVEL | AIR USAGE |
|-----------------|------------------|------------|------------|----------------|------|--------|-----|-------------------------|--------------|-------------|-----------|
|                 | NM               | FT-LB      | RPM        | MM             | IN   | LB     | KG  | MM                      | IN           | dB(A)       | CFM       |
| STALL           |                  |            |            |                |      |        |     |                         |              |             |           |
| UOW-11-10       | 13               | 9.6        | 390        | 295            | 11.7 | 3.3    | 1.5 | 7 - 12                  | 1/4 - 7/16   | 76          | 10.5      |
| UOW-11-14       | 16               | 11.8       | 290        | 311            | 12.3 | 3.5    | 1.6 | 10 - 17                 | 7/16 - 5/8   | 76          | 10.5      |
| UOW-11-22       | 24               | 17.8       | 220        | 326            | 12.8 | 3.9    | 1.8 | 11 - 24                 | 7/16 - 5/8   | 76          | 10.5      |
| UOW-11-30       | 32               | 23.7       | 160        | 347            | 13.7 | 4.4    | 2.0 | 14 - 36                 | 5/8 - 1-3/16 | 76          | 10.5      |
| SHUT-OFF CLUTCH |                  |            |            |                |      |        |     |                         |              |             |           |
| UOW-T60-10      | 4 - 14           | 3.0 - 10.4 | 300        | 370            | 14.6 | 4.6    | 2.1 | 7 - 12                  | 1/4 - 7/16   | 76          | 10.5      |
| UOW-T60-14      | 5 - 17           | 3.7 - 12.6 | 240        | 385            | 15.1 | 4.9    | 2.2 | 10 - 17                 | 7/16 - 5/8   | 76          | 10.5      |
| UOW-T60-22      | 7 - 24           | 5.2 - 17.8 | 170        | 400            | 15.8 | 5.2    | 2.4 | 11 - 24                 | 7/16 - 5/8   | 76          | 10.5      |
| UOW-T60-30      | 10 - 32          | 7.4 - 23.7 | 130        | 420            | 16.6 | 5.7    | 2.6 | 14 - 36                 | 5/8 - 1-3/16 | 76          | 10.5      |
| GEARED WRENCHES |                  |            |            |                |      |        |     |                         |              |             |           |
| UGW-6N          | 18               | 13.3       | 530        | 310            | 12.2 | 3.1    | 1.4 | 9 - 12                  | 3/8 - 7/16   | 76          | 10.5      |
| UGW-8N          | 23               | 17.0       | 410        | 322            | 12.7 | 3.2    | 1.5 | 10 - 17                 | 7/16 - 5/8   | 76          | 10.5      |

Air Hose Size: 3/8 I.D.

Air Inlet: N.P.T. 1/4

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

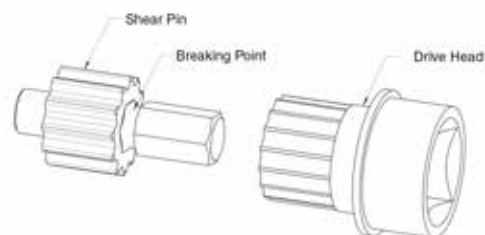
# DYNATORQUE MANUAL TORQUE MULTIPLIERS



## FEATURES AND BENEFITS

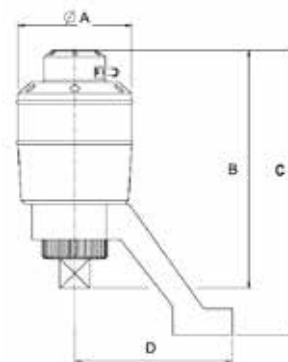
Manual Torque Multipliers offer the perfect, economical solution to high torque bolting applications.

- Superior power to weight ratio
- Delivered torque accuracy +/- 4%
- Anti-Wind Up safety feature (2,800 NM models and up) prevents input device from springing backward when released
- True torque multiplication ratios
- Standard reaction arms supplied. Custom reaction arms/nose extensions available to suit specific applications
- No preventative maintenance required
- Overload protected by shear-drive design (spare torsion shaft included). Easily replace sheared-off pins at the work site



| MODEL     | INPUT<br>IN | OUTPUT<br>IN | RATIO | MAX TORQUE<br>OUTPUT |        | A<br>(MM) | B<br>(MM) | C<br>(MM) | D<br>(MM) | WEIGHT* |      |
|-----------|-------------|--------------|-------|----------------------|--------|-----------|-----------|-----------|-----------|---------|------|
|           |             |              |       | Nm                   | Ft-Lb  |           |           |           |           | LB      | KG   |
| ATM-800   | 1/2         | 3/4          | 1:3.5 | 800                  | 590    | 65        | 105       | 132       | 130       | 2.9     | 1.3  |
| ATM-1800  | 3/4         | 1            | 1:3.6 | 1,800                | 1,327  | 90        | 150       | 188       | 132       | 6.6     | 3.0  |
| ATM-2800  | 1/2         | 1            | 1:13  | 2,800                | 2,066  | 95        | 200       | 240       | 132       | 11.5    | 5.2  |
| ATM-3800  | 3/4         | 1            | 1:13  | 3,800                | 2,804  | 95        | 200       | 240       | 132       | 11.5    | 5.2  |
| ATM-5000  | 3/4         | 1.5          | 1:17  | 5,000                | 3,690  | 120       | 215       | 272       | 150       | 15.4    | 7.0  |
| ATM-8000  | 3/4         | 1.5          | 1:49  | 8,000                | 5,904  | 132       | 268       | 344       | 200       | 25.4    | 11.5 |
| ATM-12000 | 3/4         | 1.5          | 1:58  | 12,000               | 8,856  | 156       | 272       | 348       | 200       | 30.9    | 14.0 |
| ATM-16000 | 3/4         | 2.5          | 1:75  | 16,000               | 11,808 | 215       | 292       | 370       | 225       | 57.3    | 26.0 |

\* Weight shown does not include weight of reaction device.



## CARRYING CASE

All DynaTorque Multipliers are supplied in a rugged, weather-resistant, portable carrying case.



# US-LT PNEUMATIC SCREWDRIVERS

## 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



US-LT30B Series



US-LT50B Series



US-LT10B



US-LT20B Series



US-LT40B Series

## TORQUE CONTROL LIGHT TOUCH (LT) SERIES - PUSH-TO-START INLINE

Recommended Air Pressure: 85 psi

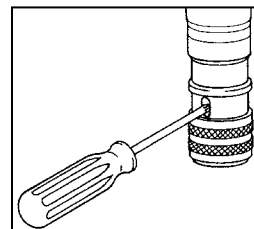
| MODEL       | TORQUE RANGE |             | FREE SPEED<br>RPM | OVERALL LENGTH |     | WEIGHT |     | FROM CENTER TO OUTSIDE |     | NOISE LEVEL<br>dB(A) | AIR USAGE<br>CFM |
|-------------|--------------|-------------|-------------------|----------------|-----|--------|-----|------------------------|-----|----------------------|------------------|
|             | NM           | IN-LB       |                   | MM             | IN  | LB     | KG  | MM                     | IN  |                      |                  |
| 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 | 1.1 - 2.1    | 9.7 - 18.5  | 1,100             | 187            | 7.4 | 0.9    | 0.4 | 15.5                   | 0.6 | 70                   | 7.0              |
| US-LT30B-17 | 0.7 - 1.5    | 6.2 - 13.2  | 1,700             | 187            | 7.4 | 0.9    | 0.4 | 15.5                   | 0.6 | 70                   | 7.0              |
| US-LT30B-23 | 0.4 - 1.0    | 3.5 - 8.8   | 2,300             | 187            | 7.4 | 0.9    | 0.4 | 15.5                   | 0.6 | 71                   | 7.0              |
| US-LT40B-08 | 1.6 - 4.0    | 14.1 - 35.2 | 800               | 209            | 8.2 | 1.4    | 0.7 | 16.5                   | 0.6 | 70                   | 10.5             |
| US-LT40B-15 | 1.0 - 2.2    | 6.2 - 19.4  | 1,500             | 209            | 8.2 | 1.4    | 0.7 | 16.5                   | 0.6 | 70                   | 10.5             |
| US-LT40B-21 | 1.0 - 1.7    | 6.2 - 15.0  | 2,100             | 209            | 8.2 | 1.4    | 0.7 | 16.5                   | 0.6 | 74                   | 10.5             |
| US-LT50B-05 | 5.0 - 10.2   | 44.0 - 92.4 | 480               | 240            | 9.5 | 2.2    | 1.0 | 19.5                   | 0.8 | 74                   | 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 | 1.5 - 2.6    | 9.7 - 23.0  | 1,700             | 240            | 9.5 | 2.2    | 1.0 | 19.5                   | 0.8 | 75                   | 17.5             |

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-LT30B\_C Series



US-LT40B\_C Series



US-LT40\_C Series



US-LT30BL Series



US-LT40BL Series

## TORQUE CONTROL LIGHT TOUCH (LT) SERIES – ANGLE AND LEVER

Recommended Air Pressure: 85 psi

| MODEL        | TORQUE RANGE<br>SOFT JOINT |             | FREE<br>SPEED<br>RPM | OVERALL<br>LENGTH |      | WEIGHT |     | FROM CENTER<br>TO OUTSIDE |     | HEX BIT OR<br>DRIVE SIZE<br>IN | NOISE<br>LEVEL<br>dB(A) | AIR<br>USAGE<br>CFM |
|--------------|----------------------------|-------------|----------------------|-------------------|------|--------|-----|---------------------------|-----|--------------------------------|-------------------------|---------------------|
|              | NM                         | IN-LB       |                      | MM                | IN   | LB     | KG  | MM                        | IN  |                                |                         |                     |
| 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                 |
| US-LT30B-17C | 0.7 - 1.5                  | 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    | 0.9 | 38.5                      | 1.5 | 1/4                            | 75                      | 10.5                |
| US-LT40B-08C | 1.6 - 4.0                  | 8.7 - 34.7  | 800                  | 320               | 12.8 | 2.0    | 0.9 | 36                        | 1.4 | 1/4                            | 75                      | 10.5                |
| 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                |
| US-LT40-03C  | 5.0 - 10.0                 | 43.4 - 86.8 | 300                  | 360               | 14.2 | 2.4    | 1.1 | 35.5                      | 1.4 | 1/4 Sq.                        | 72                      | 10.5                |
| US-LT40-05C  | 2.3 - 5.7                  | 20.0 - 50.2 | 500                  | 322               | 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        |                            |             |                      |                   |      |        |     |                           |     |                                |                         |                     |
| US-LT30BL-11 | 1.1 - 2.1                  | 9.7 - 18.5  | 1,100                | 229               | 8.2  | 1.2    | 0.5 | 15                        | 0.6 | 1/4                            | 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                 |
| US-LT40BL-15 | 1.0 - 2.2                  | 8.8 - 19.4  | 1,500                | 249               | 9.8  | 1.5    | 0.7 | 17                        | 0.7 | 1/4                            | 70                      | 5.6                 |

Angle Head Height: 32 - 36mm

Air Inlet: N.P.T. 1/4"

Air Hose Size: 1/4" I.D. for all models



US-LT31PB Series



US-LT41PB Series



US-LT51PB Series



US-LT60P Series

## TORQUE CONTROL LIGHT TOUCH (LT) SERIES – PISTOL

Recommended Air Pressure: 85 psi

| MODEL        | TORQUE RANGE<br>(SOFT JOINT) |              | FREE<br>SPEED<br>RPM | OVERALL<br>LENGTH |     | WEIGHT |     | FROM CENTER<br>TO OUTSIDE |     | NOISE<br>LEVEL<br>dB(A) | AIR<br>USAGE<br>CFM |
|--------------|------------------------------|--------------|----------------------|-------------------|-----|--------|-----|---------------------------|-----|-------------------------|---------------------|
|              | NM                           | IN-LB        |                      | MM                | IN  | LB     | KG  | MM                        | IN  |                         |                     |
| 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-LT31PB & US-LT41PB Series

Air Inlet: N.P.T. 1/4"

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

\* Optional 3/8" Sq. Drive available for US-LT60P Series ADD (P) to Model Number

# US-LT PNEUMATIC SCREWDRIVER ACCESSORIES



## OPTIONAL CLUTCH SPRINGS

| MODEL                    | CLUTCH SPRINGS PROVIDED |                | RECOMMENDED TORQUE RANGE<br>HARD JOINT |             | CLUTCH SPRING<br>CODE NUMBER |
|--------------------------|-------------------------|----------------|----------------------------------------|-------------|------------------------------|
|                          | Standard                | Option         | Nm                                     | in-lb       |                              |
| 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-LT20B-26              | 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, 1100 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                    |
|                          |                         | (not included) | 1.22 - 2.74                            | 10.8 - 24.3 | 976-504-0                    |
| US-LT30 Series, 1700 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, 2300 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, 1500 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, 2100 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                    |
| US-LT50 Series, 1700 rpm | Yellow                  |                | 1.4 - 2.5                              | 13.0 - 22.6 | 976-588-0                    |
|                          |                         | Yellow         | 1.4 - 2.6                              | 13.0 - 23.0 | 976-588-0                    |



408-088-2

## SILENCER ASSEMBLIES

| MODEL          | DIRECT TYPE SILENCER | LEADER HOSE ASSEMBLY | EXHAUST HOSE ASSEMBLY |
|----------------|----------------------|----------------------|-----------------------|
| US-LT10 Series | N/A                  | 934-201-0            | 459-885-1             |
| US-LT20 Series | N/A                  | 934-201-0            | 455-885-1             |
| US-LT30 Series | 408-088-2            | 934-150-0            | 408-885-0             |
| US-LT40 Series | 496-088-1            | 934-150-0            | —                     |

# US & US-LD PNEUMATIC SCREWDRIVERS



US-LD40P-15



US-LD50P-08



US-3.5ACB

## DIRECT DRIVE SERIES

Recommended Air Pressure: 72 psi

| MODEL       | MAX TORQUE |       |            |       | FREE<br>SPEED<br>RPM | OVERALL LENGTH |     | WEIGHT |     | FROM CENTER TO OUTSIDE |     | NOISE<br>LEVEL<br>dB(A) | AIR<br>USAGE<br>CFM |
|-------------|------------|-------|------------|-------|----------------------|----------------|-----|--------|-----|------------------------|-----|-------------------------|---------------------|
|             | SOFT JOINT |       | HARD JOINT |       |                      |                |     |        |     |                        |     |                         |                     |
|             | NM         | FT-LB | NM         | FT-LB |                      | MM             | IN  | LB     | KG  | MM                     | IN  |                         |                     |
| PISTOL      |            |       |            |       |                      |                |     |        |     |                        |     |                         |                     |
| US-LD40P-08 | 4.8        | 3.6   | 5.7        | 4.2   | 940                  | 130            | 5.1 | 1.5    | 0.7 | 17                     | 0.7 | 70                      | 14.0                |
| US-LD40P-15 | 3.0        | 2.2   | 3.2        | 2.4   | 1,700                | 130            | 5.1 | 1.5    | 0.7 | 17                     | 0.7 | 70                      | 14.0                |
| US-LD40P-21 | 2.0        | 1.5   | 2.8        | 2.1   | 2,500                | 130            | 5.1 | 1.5    | 0.7 | 17                     | 0.7 | 74                      | 14.0                |
| US-LD50P-05 | 10.0       | 7.4   | 11.2       | 8.3   | 500                  | 153            | 6.0 | 2.0    | 0.9 | 20                     | 0.8 | 74                      | 17.5                |
| US-LD50P-08 | 6.5        | 4.8   | 7.8        | 5.8   | 900                  | 153            | 6.0 | 2.0    | 0.9 | 20                     | 0.8 | 75                      | 17.5                |
| US-LD50P-17 | 3.5        | 2.6   | 5.9        | 4.4   | 1,900                | 150            | 5.9 | 2.0    | 0.9 | 20                     | 0.8 | 75                      | 17.5                |

| ANGLE     | MAX TORQUE |       |            |       | CAPACITY     |       | FREE SPEED | OVERALL |    | WEIGHT     |     | FROM CENTER |     | NOISE LEVEL | AIR USAGE |
|-----------|------------|-------|------------|-------|--------------|-------|------------|---------|----|------------|-----|-------------|-----|-------------|-----------|
|           | SOFT JOINT |       | HARD JOINT |       | (SCREW SIZE) |       |            | LENGTH  |    | TO OUTSIDE |     |             |     |             |           |
|           | NM         | FT-LB | NM         | FT-LB | MM           | IN    | RPM        | MM      | IN | LB         | KG  | MM          | IN  | dB(A)       | CFM       |
| US-3.5ACB | 1.75       | 1.1   | 2.5        | 1.8   | 4            | No. 8 | 2,000      | 200     | 79 | 1.4        | 0.7 | 10.0        | 0.4 | 85          | 7.0       |

Air Hose Size: 1/4" I.D.

Air Inlet: N.P.T. 1/4"



US-3.5B



US-5

## CUSHION CLUTCH SERIES

Recommended Air Pressure: 57 psi

| MODEL   | CAPACITY<br>(SCREW SIZE) |        | FREE SPEED<br>RPM | OVERALL LENGTH |     | WEIGHT LESS BIT |     | FROM CENTER TO OUTSIDE |     | NOISE<br>LEVEL<br>dB(A) | AIR<br>USAGE<br>CFM |
|---------|--------------------------|--------|-------------------|----------------|-----|-----------------|-----|------------------------|-----|-------------------------|---------------------|
|         | MM                       | IN     |                   | MM             | IN  | LB              | KG  | MM                     | IN  |                         |                     |
| US-3.5B | 4                        | No. 8  | 2,000             | 214            | 8.5 | 1.4             | 0.6 | 17                     | 0.7 | 75                      | 7.0                 |
| US-5    | 5                        | No. 10 | 1,400             | 236            | 7.1 | 2.4             | 1.1 | 21                     | 0.8 | 75                      | 7.0                 |

Air Hose Size: 1/4" I.D.

Air Inlet: N.P.T. 1/4"



US-350PW



US-450PW



US-652PW



US-450WB

## IMPACT SERIES

Recommended Air Pressure: 85 psi

| MODEL    | CAPACITY<br>(SCREW SIZE) |        | FREE<br>SPEED<br>RPM | OVERALL LENGTH |     | WEIGHT LESS BIT |     | FROM CENTER<br>TO OUTSIDE |     | NOISE<br>LEVEL<br>dB(A) | AIR<br>USAGE<br>CFM |
|----------|--------------------------|--------|----------------------|----------------|-----|-----------------|-----|---------------------------|-----|-------------------------|---------------------|
|          | MM                       | IN     |                      | MM             | IN  | LB              | KG  | MM                        | IN  |                         |                     |
| PISTOL   |                          |        |                      |                |     |                 |     |                           |     |                         |                     |
| US-350PW | 4                        | No. 8  | 15,000               | 121            | 4.8 | 1.2             | 0.5 | 17                        | 0.7 | 81                      | 7.0                 |
| US-450PW | 5                        | No. 10 | 14,000               | 151            | 5.9 | 1.7             | 0.8 | 17                        | 0.7 | 79                      | 7.0                 |
| US-652PW | 6                        | 1/4    | 9,000                | 155            | 6.1 | 1.9             | 0.9 | 23                        | 0.9 | 79                      | 12.4                |
| STRAIGHT |                          |        |                      |                |     |                 |     |                           |     |                         |                     |
| US-6W    | 6                        | 1/4    | 9,500                | 187            | 7.4 | 1.8             | 0.8 | 22.5                      | 0.9 | 85                      | 10.5                |
| US-450WB | 5                        | No. 10 | 11,000               | 161            | 6.3 | 1.2             | 0.6 | 18.5                      | 0.7 | 80                      | 7.0                 |

Air Hose Size: 1/4" I.D.

Air Inlet: N.P.T. 1/4"

Recommended air pressure: 57 psi for US-350PW, US-450PW, US-6W, and US-450WB / 72 psi for US-652PW.

(R) Denotes Directional Muffled Rear Exhaust option

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368

**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-Ion battery provides long battery life
- Mini USB port for connection to optional programmer (SPC-2PGM)



SIW-P5538

| MODEL      | TORQUE RANGE |         | MAX TORQUE |       | FREE SPEED | BATTERY (V) | WEIGHT |     | ANVIL SIZE | NOISE LEVEL dB(A) |
|------------|--------------|---------|------------|-------|------------|-------------|--------|-----|------------|-------------------|
|            | NM           | FT-LB   | NM         | FT-LB |            |             | LB     | KG  |            |                   |
| SIW-P2525Q | 3 - 25       | 2 - 18  | 40         | 30    | 2,400      | 20          | 2.2    | 1   | 1/4 QC     | 71                |
| SIW-P3225Q | 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 | TYPE                   |
|-----------------|--------------------|------------------------|
| 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



SIW-C18-20

### ACCESSORIES

| MODEL #  | DESCRIPTION                  |
|----------|------------------------------|
| 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 |



BJ10091



SIW-PBL

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-Ion 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



SPC-P2325Q



SPC-A21625

| MODEL                   | TORQUE RANGE |             | FREE SPEED RPM RANGE<br>(PROGRAMMABLE WITH<br>PROGRAMMER ACCESSORY) | BATTERY<br>VOLTAGE | TOOL WEIGHT (W/O BATTERY) |     | ANVIL<br>SIZE |
|-------------------------|--------------|-------------|---------------------------------------------------------------------|--------------------|---------------------------|-----|---------------|
|                         | NM           | FT-LB       |                                                                     |                    | LB                        | KG  |               |
| Pistol Grip*            |              |             |                                                                     |                    |                           |     |               |
| SPC-P2325Q              | .8 – 3       | .6 – 2.2    | 500 – 1,550                                                         | 18V                | 2.1                       | .95 | 1/4" hex      |
| SPC-P2625Q              | 1 – 6        | .7 – 4.4    | 300 – 1,000                                                         | 18V                | 2.1                       | .95 | 1/4" hex      |
| SPC-P2925Q              | 1.5 – 9      | 1.1 – 6.6   | 300 – 800                                                           | 18V                | 2.1                       | .95 | 1/4" hex      |
| SPC-P21225Q             | 2 – 12       | 1.5 – 8.8   | 250 – 600                                                           | 18V                | 2.1                       | .95 | 1/4" hex      |
| Right Angle Nutrunner** |              |             |                                                                     |                    |                           |     |               |
| SPC-A21025Q             | 3 – 12       | 2.2 – 8.8   | 400 – 1,000                                                         | 18V                | 3.5                       | 1.6 | 1/4" hex      |
| 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-A21625Q             | 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 – 13.3  | 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       |

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

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

\*\*\* High torque tools feature fixed RPM

## BATTERY AND CHARGER

The AIMCO **Signature Series** Precision Clutch Tool battery and charging system could not be more simple. 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.



SPC-B218LI

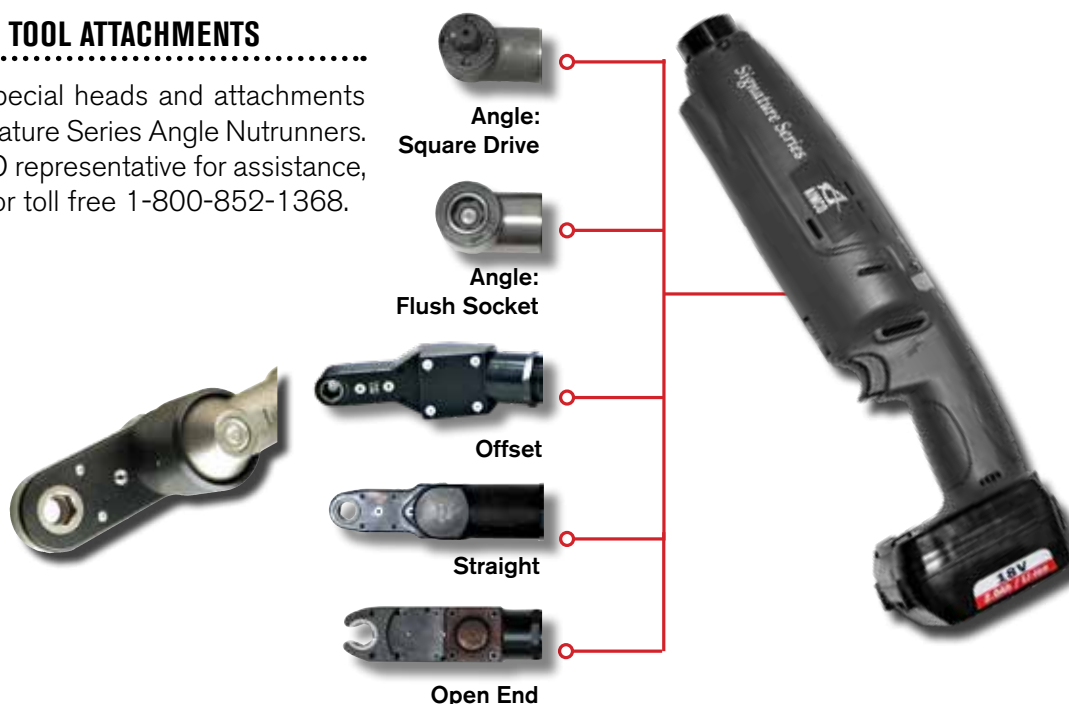


SPC-C218-19

| BATTERY MODEL # | VOLTAGE            | TYPE                   | 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-C218-19     | 18V-19.2V<br>3.0 A | 100-240VAC<br>50-60 Hz | 6.25" deep x 5" wide x 3.5" tall<br>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.



## QUICK CLIP

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

SPC-QC

## BODY JACKETS

Prevent damage to the workpiece.

| MODEL                                                                                        | DESCRIPTION                                                              |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|  BJ10082 | Clear Body Jacket for Signature Series Precision Clutch Pistol Tools     |
|  BJ10083 | Clear Body Jacket for Signature Series Precision Clutch Angle Nutrunners |

### 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.



SPC-2PGM

### HOLSTERS



AIMCO offers right-hand and left-hand holsters for pistol and right angle tools.

SPC-P-HL-LH for Left Hand  
SPC-P-HL-RH for Right Hand

### TOOL BASKETS



21226

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

# Signature Series

Signature Series tools can be adapted to a wide range of application-specific configurations.  
Contact your AIMCO Customer Service Associate for assistance, 1-503-254-6600, or toll free 1-800-852-1368.

# ELECTRIC SCREWDRIVERS

## ELECTRA<sup>®</sup> SERIES

- 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 for brush replacement
- External torque adjustment – Torque level can be easily adjusted by simply turning the external adjustment ring



AE-5681



- 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<sup>®</sup> SERIES

| MODEL                                                             | TORQUE RANGE<br>IN-LB | TORQUE RANGE<br>KGF-CM | FREE SPEED<br>RPM | WEIGHT<br>LB | WEIGHT<br>KG | LENGTH<br>IN | LENGTH<br>MM | HEX DRIVE<br>IN | HEX DRIVE<br>MM | POWER<br>SOURCE                             |
|-------------------------------------------------------------------|-----------------------|------------------------|-------------------|--------------|--------------|--------------|--------------|-----------------|-----------------|---------------------------------------------|
| PUSH-TO-START DIRECT PLUG-IN SERIES                               |                       |                        |                   |              |              |              |              |                 |                 |                                             |
| AE-5681<br>(Includes torque cover)                                | 3.5 - 15.6            | 4 - 18.0               | 1,000             | 1.2          | 0.5          | 9.3          | 237          | 1/4             | 6.4             | 115V AC*                                    |
| AE-8681<br>(Includes pistol grip handle adapter)                  | 15 - 45               | 23.0 - 51.8            | 600               | 1.6          | 0.7          | 10.6         | 269          | 1/4             | 6.4             | 115V AC*                                    |
| LOW-VOLTAGE LEVER START SERIES (Requires External Power Supply)   |                       |                        |                   |              |              |              |              |                 |                 | POWER SUPPLY:                               |
| AE-2020                                                           | .35 - 1.3             | .40 - 1.5              | 720               | 0.7          | 0.3          | 8.0          | 203          | 1/4             | 6.4             | See page 34 for required power              |
| AE-4020                                                           | .9 - 5                | 1.0 - 6.0              | 720               | 0.7          | 0.3          | 8.0          | 203          | 1/4             | 6.4             | supplies <sup>2</sup>                       |
| AE-4520                                                           | 1.3 - 8.7             | 1.5 - 10.0             | 720               | 0.7          | 0.3          | 8.0          | 203          | 1/4             | 6.4             |                                             |
| AE-7010                                                           | 6.1 - 17.4            | 7.0 - 20.0             | 750               | 1.4          | 0.6          | 9.3          | 236          | 1/4             | 6.4             |                                             |
| AE-8010                                                           | 10.4 - 26.0           | 12.0 - 29.9            | 550               | 1.4          | 0.6          | 9.3          | 236          | 1/4             | 6.4             |                                             |
| LOW-VOLTAGE PUSH-TO-START SERIES (Requires External Power Supply) |                       |                        |                   |              |              |              |              |                 |                 | POWER SUPPLY:                               |
| AE-7010PS                                                         | 6.1 - 17.4            | 7.0 - 20.0             | 750               | 1.4          | 0.6          | 9.3          | 236          | 1/4             | 6.4             | See page 34 for power supplies <sup>2</sup> |
| AE-8010PS                                                         | 10.4 - 26.0           | 12.0 - 29.9            | 550               | 1.4          | 0.6          | 9.3          | 236          | 1/4             | 6.4             |                                             |

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

## ELECTRA<sup>®</sup> LOW ESD SERIES

- Grounded bit – Grounded chuck assembly routes any existing charge to ground
- Carbonized housing – Handle material and buttons are 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



AE-5681ESD



## ELECTRA<sup>®</sup> LOW ESD SERIES

| MODEL       | TORQUE RANGE<br>IN-LB | TORQUE RANGE<br>KGF-CM | FREE SPEED<br>RPM | WEIGHT<br>LB | WEIGHT<br>KG | LENGTH<br>IN | LENGTH<br>MM | HEX DRIVE<br>IN | HEX DRIVE<br>MM | POWER<br>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.

# 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



AE-2015



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

## ELECTRA® SLIP CLUTCH SERIES

| MODEL   | RECOMMENDED TORQUE RANGE<br>IN-LB | KGF-CM     | FREE SPEED<br>RPM | WEIGHT<br>LB | KG  | LENGTH<br>IN | MM  | HEX DRIVE<br>IN | MM  | POWER<br>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.

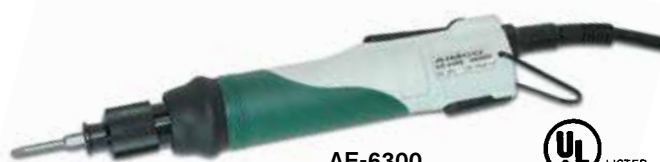
## PRECISION SERIES

### 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
- Integrated Lever – Feather touch integrated lever reduces travel and stress. Requires only 2 mm of travel to activate
- External torque control – Twist and go



AE-6300  
AE-6450



### 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

## PRECISION SERIES

| MODEL         | TORQUE RANGE<br>IN-LB | KGF-CM     | FREE SPEED<br>RPM | WEIGHT<br>LB | KG  | LENGTH<br>IN | MM  | HEX DRIVE<br>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             |

# ELECTRIC SCREWDRIVERS

## ELECTRA® SERIES ACCESSORIES - POWER SUPPLIES



**AE-224PS  
AE-278PS**

**APM-30**

| MODEL    | COMPATIBLE SCREWDRIVERS                                   |                                            | TOOL RPM | VOLTAGE CONVERSION          | DIMENSIONS                          | WEIGHT<br>LB KG |     |
|----------|-----------------------------------------------------------|--------------------------------------------|----------|-----------------------------|-------------------------------------|-----------------|-----|
| AE-224PS | AE-2020<br>AE-2020ESD<br>AE-4020<br>AE-4520<br>AE-4520ESD | AE-6300<br>AE-6300S<br>AE-6450<br>AE-6450S | 720      | 110V AC - 220V AC<br>35V DC | 2.6 x 1.6 x 5.0<br>66 x 41 x 127 mm | 1.0             | .45 |
| AE-278PS | AE-7010<br>AE-7010PS                                      | AE-8010<br>AE-8010PS                       | STANDARD | 110V AC - 220V AC<br>30V DC | 1.6 x 5.0 x 2.6<br>41 x 127 x 66 mm | 1.0             | .45 |
| APM-30   | AE-6300M                                                  |                                            | 550      | 110V AC - 220V AC<br>30V DC | 2.1 x 3.4 x 1.9<br>53 x 87 x 48 mm  | 0.4             | 0.2 |

## DIGITAL FASTENING COUNTER



The AM Series fastener counter verifies and error-proofs 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
- 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

| MODEL | COMPATIBLE SCREWDRIVERS                                 |
|-------|---------------------------------------------------------|
| AM-45 | For AE-2020, AE-4020, AE-4520<br>Standard and ESD types |
| AM-65 | For AE-7010, AE-7010PS, AE-8010<br>and AE-8010PS        |

## 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).

| ITEM                   | MODEL     | COMPATIBLE SCREWDRIVERS                    |
|------------------------|-----------|--------------------------------------------|
| Angle Head Attachments | AE-2045A  | For AE-2020, AE-4020, AE-4520              |
|                        | AE-7080A  | For AE-7010, AE-8010                       |
| Pistol Grip Handle     | AE-PG7080 | For AE-7010, AE-7010PS, AE-8010, AE-8010PS |
| Torque Cover           | AE-TC2040 | For AE-2020, AE-4020, AE-4520              |
|                        | AE-TC7080 | For AE-7010, AE-7010PS, AE-8010, AE-8010PS |
|                        | 4H2055    | For AE-8681                                |

# IMPACT TOOLS

## UW-SERIES IMPACT TOOLS

UW-Series impact tools offer fast, economical operation in high-volume heavy assembly applications.



**UW-6SLRDK  
UW-6SLRK**



**UW-61ERK**



**UW-8SHRK**



**UW-9SRK**



**UW-10SHRK**



**UW-13SRK**



**UW-131ERK**

## TWIN HAMMER PISTOL IMPACT WRENCHES

Recommended Air Pressure: 85 psi

| MODEL     | CAPACITY |      | TORQUE RANGE (APPROX) |          | SPEED<br>RPM | OVERALL LENGTH |     | WEIGHT |     | FROM CENTER TO OUTSIDE |     | SQ. DR. OR HEX SIZE<br>IN | NOISE LEVEL<br>dB(A) | AVERAGE AIR CONSUMPTION |
|-----------|----------|------|-----------------------|----------|--------------|----------------|-----|--------|-----|------------------------|-----|---------------------------|----------------------|-------------------------|
|           | MM       | IN   | NM                    | FT-LB    |              | MM             | IN  | KG     | LB  | MM                     | IN  |                           |                      |                         |
| UW-6SLRDK | 6        | 1/4  | 6.9 - 18              | 5 - 13   | 8,500        | 175            | 6.9 | 1.0    | 2.1 | 31.0                   | 1.2 | 1/4 Hex                   | 91                   | 12.4                    |
| UW-6SLRK  | 6        | 1/4  | 7.8 - 19              | 6 - 14   | 8,500        | 175            | 6.9 | 1.0    | 2.1 | 31.0                   | 1.2 | 1/4 Sq.                   | 92                   | 12.4                    |
| UW-61ERK  | 8        | 5/16 | 14 - 40               | 10 - 30  | 7,300        | 150            | 5.9 | 1.5    | 3.3 | 29.5                   | 1.2 | 3/8 Sq.                   | 91                   | 12.4                    |
| UW-8SHRK  | 8        | 5/16 | 18 - 40               | 13 - 30  | 7,300        | 172            | 6.8 | 1.6    | 3.4 | 31.0                   | 1.2 | 1/2 Sq.                   | 93                   | 14.0                    |
| UW-9SRK   | 10       | 3/8  | 35 - 87               | 26 - 64  | 7,000        | 178            | 7.0 | 1.8    | 3.9 | 34.0                   | 1.3 | 1/2 Sq.                   | 93                   | 16.0                    |
| UW-10SHRK | 12       | 1/2  | 47 - 170              | 35 - 125 | 6,000        | 183            | 7.2 | 2.1    | 4.7 | 30.5                   | 1.4 | 1/2 Sq.                   | 95                   | 16.0                    |
| UW-13SRK  | 13       | 1/2  | 88 - 250              | 65 - 184 | 6,000        | 215            | 8.5 | 2.6    | 5.7 | 37.5                   | 1.5 | 1/2 Sq.                   | 95                   | 16.0                    |
| UW-131ERK | 13       | 1/2  | 84 - 260              | 62 - 192 | 5,500        | 205            | 8.1 | 3.0    | 6.5 | 37.5                   | 1.5 | 1/2 Sq.                   | 97                   | 19.4                    |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.



**UW-6SSLRDK**



**UW-6SSHRDK  
UW-6SSHRK**



**UW-13SSK**



**UW-401L**

## TWIN HAMMER INLINE IMPACT WRENCHES

Recommended Air Pressure: 85 psi

| MODEL      | CAPACITY |       | TORQUE RANGE (APPROX) |             | SPEED<br>RPM | OVERALL LENGTH |      | WEIGHT |      | FROM CENTER TO OUTSIDE |     | SQ. DR. OR HEX SIZE<br>IN | NOISE LEVEL<br>dB(A) | AVERAGE AIR CONSUMPTION |
|------------|----------|-------|-----------------------|-------------|--------------|----------------|------|--------|------|------------------------|-----|---------------------------|----------------------|-------------------------|
|            | MM       | IN    | NM                    | FT-LB       |              | MM             | IN   | KG     | LB   | MM                     | IN  |                           |                      |                         |
| UW-6SSRK   | 6        | 1/4   | 9.8 - 26              | 7 - 19      | 7,500        | 225            | 8.9  | 1.0    | 2.1  | 29.5                   | 1.2 | 3/8 Sq.                   | 91                   | 10.5                    |
| UW-6SSLRDK | 6        | 1/4   | 6.9 - 18              | 5 - 13      | 8,500        | 239            | 9.4  | 0.9    | 1.9  | 31.0                   | 1.3 | 1/4 Hex                   | 91                   | 10.5                    |
| UW-6SSHRDK | 8        | 5/16  | 15 - 30               | 11 - 22     | 7,300        | 249            | 9.8  | 1.3    | 2.8  | 27.5                   | 1.1 | 1/4 Hex                   | 91                   | 12.4                    |
| UW-6SSHRK  | 8        | 5/16  | 22 - 50               | 16 - 37     | 7,300        | 249            | 9.8  | 1.3    | 2.8  | 27.5                   | 1.1 | 3/8 Sq.                   | 91                   | 12.4                    |
| UW-13SSK   | 13       | 1/2   | 89 - 250              | 66 - 184    | 6,300        | 281            | 11.1 | 3.2    | 7.0  | 39.0                   | 1.5 | 1/2 Sq.                   | 97                   | 19.4                    |
| UW-401     | 38       | 1-1/2 | 880 - 2,500           | 649 - 1,844 | 3,200        | 494            | 19.5 | 15.1   | 33.2 | 62.5                   | 2.5 | 1 Sq.                     | 110                  | 42.4                    |
| UW-401L    | 38       | 1-1/2 | 790 - 2,300           | 583 - 1,696 | 3,200        | 654            | 25.8 | 16.5   | 36.3 | 62.5                   | 2.5 | 1 Sq.                     | 110                  | 42.4                    |

Air Hose Size: 3/8" I.D., 1/2" I.D. for UW-401 and UW-401L models

Air Inlet: N.P.T. 1/4"

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.

### IMPACT TOOLS MODEL NUMBER KEY

UW-\_\_SH = Pistol grip

UW-\_\_SSH = Straight handle

UW-\_\_CSH = Angle head

UW-\_\_P = Pistol grip for 140 and 381 series

+

L = Long anvil

R = Rear exhaust

+

K = Lightweight

DK = Driver-type anvil, lightweight

# IMPACT TOOLS



UW-6CSHRK



UW-13CSK

## TWIN HAMMER ANGLE IMPACT WRENCHES

Recommended Air Pressure: 85 psi

| MODEL     | CAPACITY |      | TORQUE RANGE (APPROX) |          | SPEED<br>RPM | OVERALL LENGTH |      | WEIGHT |      | FROM CENTER TO OUTSIDE |     | SQ. DR. OR HEX SIZE<br>IN | NOISE LEVEL<br>dB(A) | AVERAGE AIR CONSUMPTION |
|-----------|----------|------|-----------------------|----------|--------------|----------------|------|--------|------|------------------------|-----|---------------------------|----------------------|-------------------------|
|           | MM       | IN   | NM                    | FT-LB    |              | MM             | IN   | KG     | LB   | MM                     | IN  |                           |                      |                         |
| UW-6CSHRK | 8        | 5/16 | 19 - 41               | 14 - 30  | 7,300        | 282            | 11.1 | 1.7    | 3.8  | 27.5                   | 1.1 | 3/8 Sq.                   | 94                   | 10.5                    |
| UW-13CSK  | 13       | 1/2  | 75 - 200              | 55 - 148 | 6,500        | 374            | 14.7 | 5.2    | 11.4 | 39.0                   | 1.5 | 1/2 Sq.                   | 97                   | 26.5                    |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.



UW-140P(WR)



UW-220P  
UW-220PL



UW-251P



UW-381  
UW-381L



UW-381P

## SWING HAMMER IMPACT WRENCHES

Recommended Air Pressure: 85 psi

| MODEL       | CAPACITY |       | TORQUE RANGE (APPROX) |               | SPEED<br>RPM | OVERALL LENGTH |       | WEIGHT |      | FROM CENTER TO OUTSIDE |     | SQ. DR. OR HEX SIZE<br>IN | NOISE LEVEL<br>dB(A) | AVERAGE AIR CONSUMPTION |
|-------------|----------|-------|-----------------------|---------------|--------------|----------------|-------|--------|------|------------------------|-----|---------------------------|----------------------|-------------------------|
|             | MM       | IN    | NM                    | FT-LB         |              | MM             | IN    | KG     | LB   | MM                     | IN  |                           |                      |                         |
| UW-140P(WR) | 12       | 1/2   | 70 - 210              | 52 - 155      | 6,500        | 200            | 7.9   | 2.7    | 5.9  | 33.0                   | 1.3 | 1/2 Sq.                   | 93                   | 25.0                    |
| UW-220P     | 19       | 3/4   | 300 - 700             | 221 - 516     | 5,500        | 230            | 9.1   | 2.8    | 9.6  | 42.0                   | 1.7 | 3/4 Sq.                   | 95                   | 25.0                    |
| UW-220PL    | 19       | 3/4   | 300 - 700             | 221 - 516     | 5,500        | 350            | 13.8  | 4.4    | 10.3 | 42.0                   | 1.7 | 3/4 Sq.                   | 95                   | 25.0                    |
| UW-251P     | 25       | 1     | 600 - 1,000           | 443 - 738     | 5,500        | 276            | 10.9  | 8.0    | 17.6 | 55.0                   | 2.0 | 1 Sq.                     | 95                   | 28.0                    |
| UW-381      | 38       | 1-1/2 | 760 - 2,000           | 561 - 1,475   | 4,700        | 395            | 115.6 | 9.5    | 20.9 | 58.5                   | 2.3 | 1 Sq.                     | 100                  | 31.5                    |
| UW-381L     | 38       | 1-1/2 | 1,400 - 2,000         | 1,033 - 1,475 | 4,700        | 543            | 21.4  | 10.0   | 20.9 | 58.5                   | 2.3 | 1 Sq.                     | 100                  | 31.5                    |
| UW-381P     | 38       | 1-1/2 | 760 - 2,000           | 561 - 1,475   | 4,700        | 276            | 10.9  | 10.0   | 20.9 | 58.5                   | 2.3 | 1 Sq.                     | 99                   | 31.5                    |

Air Hose Size: 3/8" for UW-140P(WR) 1/2" I.D. for other models

Air Inlet: N.P.T. 1/4" for UW-140P(WR)

N.P.T. 3/8" for UW-220P and UW-251P series

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.



UW-550



UW-75S

## TWIN HAMMER JUMBO IMPACT WRENCHES

Recommended Air Pressure: 85 psi

| MODEL  | CAPACITY |       | TORQUE RANGE (APPROX) |                | SPEED<br>RPM | OVERALL LENGTH |      | WEIGHT |       | FROM CENTER TO OUTSIDE |     | SQ. DR. OR HEX SIZE<br>IN | NOISE LEVEL<br>dB(A) | AVERAGE AIR CONSUMPTION |
|--------|----------|-------|-----------------------|----------------|--------------|----------------|------|--------|-------|------------------------|-----|---------------------------|----------------------|-------------------------|
|        | MM       | IN    | NM                    | FT-LB          |              | MM             | IN   | KG     | LB    | MM                     | IN  |                           |                      |                         |
| UW-550 | 55       | 2-1/4 | 2,500 - 5,800         | 1,844 - 4,278  | 3,500        | 525            | 20.7 | 36.0   | 79.0  | 78.0                   | 3.1 | 1-1/2 Sq.                 | 112                  | 79.0                    |
| UW-75S | 76       | 3     | 7,800 - 17,000        | 5,753 - 12,539 | 1,400        | 670            | 26.4 | 56.0   | 123.0 | 96.0                   | 3.8 | 1-1/2 Sq.                 | 112                  | 114.0                   |

Air Hose Size: 3/4" I.D.

Air Inlet: N.P.T. 1"

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.

## STUD BOLT WRENCH

Recommended Air Pressure: 85 psi

| MODEL     | CAPACITY |      | TORQUE RANGE (APPROX) |         | SPEED<br>RPM | OVERALL LENGTH |     | WEIGHT |     | FROM CENTER TO OUTSIDE |     | SQ. DR. OR HEX SIZE<br>IN | NOISE LEVEL<br>dB(A) | AVERAGE AIR CONSUMPTION |
|-----------|----------|------|-----------------------|---------|--------------|----------------|-----|--------|-----|------------------------|-----|---------------------------|----------------------|-------------------------|
|           | MM       | IN   | NM                    | FT-LB   |              | MM             | IN  | KG     | LB  | MM                     | IN  |                           |                      |                         |
| UW-ST6SHK | 8        | 5/16 | 22 - 49               | 16 - 36 | 6,500        | 170            | 6.7 | 1.7    | 3.7 | 24.0                   | 1.0 | 3/8 Sq.                   | 92                   | 14.0                    |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.



UW-ST6SHK

# GRINDERS



UAG-40SBL-136



UAG-50SBL-109  
UAG-50SBL-120



UAG-70SBL-76

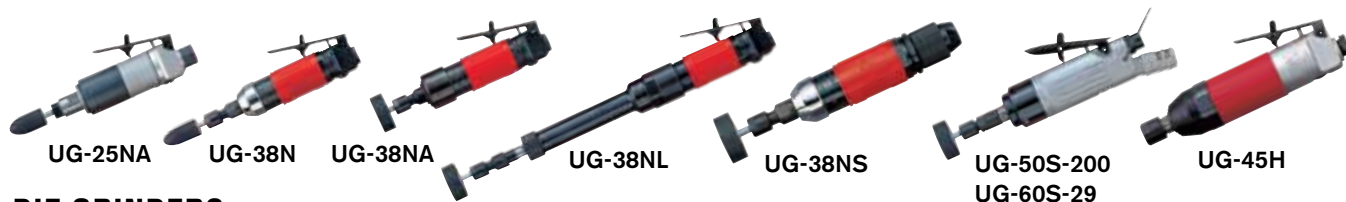


UAG-90SBL-59

## ANGLE GRINDERS

Recommended Air Pressure: 85 psi

| MODEL*        | CAPACITY<br>(WHEEL SIZE)<br>IN | SPEED<br>RPM | RATED<br>HORSEPOWER<br>HP | OVERALL<br>LENGTH<br>MM IN | OVERALL<br>HEIGHT<br>MM IN | WEIGHT<br>KG LB | NOISE<br>LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|---------------|--------------------------------|--------------|---------------------------|----------------------------|----------------------------|-----------------|-------------------------|-----------------------------------|
| UAG-40SBL-136 | 4                              | 13,600       | 1.0                       | 246 9.7                    | 76 3.0                     | 1.3 2.9         | 84                      | 34.0                              |
| UAG-50SBL-109 | 5                              | 10,900       | 1.0                       | 246 9.7                    | 76 3.0                     | 1.4 3.1         | 82                      | 34.0                              |
| UAG-50SBL-120 | 5                              | 12,000       | 1.0                       | 246 9.7                    | 76 3.0                     | 1.4 3.1         | 82                      | 34.0                              |
| UAG-70SBL-76  | 7                              | 7,600        | 2.0                       | 300 11.8                   | 98 3.9                     | 2.9 6.4         | 83                      | 57.0                              |
| UAG-90SBL-59  | 9                              | 5,900        | 2.5                       | 308 12.1                   | 98 3.9                     | 3.3 7.3         | 88                      | 67.0                              |



## DIE GRINDERS

Recommended Air Pressure: 85 psi

| MODEL*     | COLLET<br>CHUCK SIZE<br>IN | SPEED<br>RPM | RATED<br>HORSEPOWER<br>HP | OVERALL LENGTH<br>MM IN | WEIGHT<br>KG LB | NOISE LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|------------|----------------------------|--------------|---------------------------|-------------------------|-----------------|----------------------|-----------------------------------|
| UG-25NA    | 1/4                        | 23,500       | 0.3                       | 153 6.0                 | 0.5 1.2         | 82                   | 10.7                              |
| UG-38N     | 1/4                        | 25,000       | 0.4                       | 164 6.5                 | 0.6 1.3         | 85                   | 10.7                              |
| UG-38NA    | 1/4                        | 22,000       | 0.4                       | 165 6.5                 | 0.7 1.4         | 75                   | 14.0                              |
| UG-38NL    | 1/4                        | 21,000       | 0.4                       | 317 12.5                | 0.9 2.0         | 85                   | 10.7                              |
| UG-38NS    | 1/4                        | 25,000       | 0.4                       | 174 6.8                 | 0.6 1.3         | 85                   | 10.7                              |
| UG-50S-200 | 1/4                        | 23,000       | 0.3                       | 198 7.8                 | 0.6 1.3         | 73                   | 14.0                              |
| UG-45H     | 1/4                        | 18,000       | 0.5                       | 196 7.7                 | 0.8 1.8         | 76                   | 22.0                              |
| UG-60S-29* | 1/4                        | 2,900        | 0.5                       | 227 8.9                 | 1.1 2.3         | 77                   | 18.0                              |

\* UG-60S-29 includes spanner wrench to tighten collet

## MINI ANGLE DIE GRINDERS

Recommended Air Pressure: 85 psi

| MODEL*      | COLLET<br>CHUCK SIZE<br>IN | SPEED<br>RPM | RATED<br>HORSEPOWER<br>HP | OVERALL LENGTH<br>MM IN | OVERALL HEIGHT<br>MM IN | WEIGHT<br>KG LB | NOISE LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|-------------|----------------------------|--------------|---------------------------|-------------------------|-------------------------|-----------------|----------------------|-----------------------------------|
| UG-20A-200  | 1/4                        | 20,000       | 0.2                       | 131 5.2                 | 80 3.2                  | 0.5 1.1         | 75                   | 10.7                              |
| UG-20A-120  | 1/4                        | 12,000       | 0.2                       | 131 5.2                 | 80 3.2                  | 0.5 1.1         | 76                   | 10.7                              |
| UG-50S-200A | 1/4                        | 20,000       | 0.3                       | 195 7.7                 | 87 3.4                  | 0.9 2.0         | 75                   | 14.0                              |



## LIGHTWEIGHT GRINDERS

Recommended Air Pressure: 85 psi

| MODEL*   | CAPACITY<br>(WHEEL SIZE)<br>IN | SPEED<br>RPM | RATED<br>HORSEPOWER<br>HP | OVERALL LENGTH<br>MM IN | WEIGHT<br>KG LB | NOISE LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|----------|--------------------------------|--------------|---------------------------|-------------------------|-----------------|----------------------|-----------------------------------|
| UG-65EB  | 2.5                            | 14,600       | 0.6                       | 242 9.8                 | 1.3 2.8         | 95                   | 22.0                              |
| UG-65EBL | 2.5                            | 14,600       | 0.6                       | 272 10.7                | 1.4 3.1         | 95                   | 22.0                              |
| UG-650EL | 2.5                            | 14,600       | 0.6                       | 420 16.5                | 1.6 3.4         | 85                   | 22.0                              |

## HORIZONTAL GRINDER

Recommended Air Pressure: 85 psi

| MODEL       | CAPACITY<br>(WHEEL SIZE)<br>IN | SPEED<br>RPM | RATED<br>HORSEPOWER<br>HP | OVERALL LENGTH<br>MM IN | WEIGHT<br>KG LB | NOISE LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|-------------|--------------------------------|--------------|---------------------------|-------------------------|-----------------|----------------------|-----------------------------------|
| UG-1250L-72 | 5                              | 7,200        | 1.0                       | 436 17.2                | 2.8 6.2         | 88                   | 32.7                              |



\*Air Hose Size: 3/8" I.D. - 1/2" I.D. (UG-1250L-72)

Air Inlet: N.P.T. 1/4" - N.P.T. 3/8" (UAG-90SBL-59 and UG-1250L-72)

NOTE: Additional models available.  
Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.

# SANDERS AND DRILLS

## SANDER

Recommended Air Pressure: 85 psi

| MODEL   | CAPACITY<br>(WHEEL SIZE)<br>IN | SPEED<br>RPM | RATED<br>HORSEPOWER<br>HP | OVERALL<br>LENGTH<br>MM IN | WEIGHT<br>KG LB | NOISE<br>LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|---------|--------------------------------|--------------|---------------------------|----------------------------|-----------------|-------------------------|-----------------------------------|
| UP-25DB | 5                              | 10,000       | 0.3                       | 212 8.3                    | 1.7 3.7         | 73                      | 7.0                               |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.



UP-25DB



UD-50-22  
UD-50-200



UD-50-45



UD-60-04  
UD-60-07



UD-60-15  
UD-60-20



UD-60-29



UD-80-04  
UD-80-07



UD-80-12



UD-50S-22  
UD-50S-45



UD-60S-15  
UD-60S-29



UD-50S-45A  
UD-50S-45A\*



UD-60S-15C  
UD-60S-29C

## DRILLS

Recommended Air Pressure: 85 psi

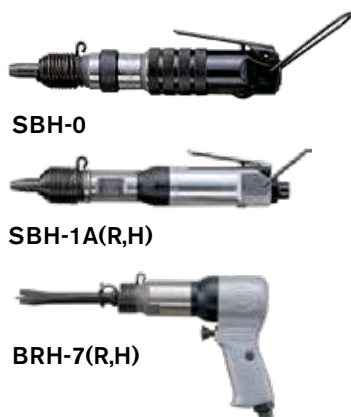
| MODEL       | CAPACITY |      | SPEED  | OVERALL LENGTH |      | WEIGHT WITH CHUCK |      | FROM CENTER TO OUTSIDE |     | NOMINAL CHUCK SIZE | TYPE OF SPINDLE | NOISE LEVEL | AVERAGE AIR CONSUMPTION |
|-------------|----------|------|--------|----------------|------|-------------------|------|------------------------|-----|--------------------|-----------------|-------------|-------------------------|
|             | MM       | IN   | RPM    | MM             | IN   | KG                | LB   | MM                     | IN  | IN                 | IN-THR'D        | dB(A)       | CFM                     |
| PISTOL      |          |      |        |                |      |                   |      |                        |     |                    |                 |             |                         |
| UD-50-200   | 3        | 1/8  | 23,000 | 135            | 5.3  | 0.7               | 1.5  | 21.0                   | 0.8 | 5/16               | 3/8-24UNF       | 73          | 14                      |
| UD-50-45    | 6        | 1/4  | 5,000  | 145            | 5.7  | 0.9               | 1.9  | 21.0                   | 0.8 | 5/16               | 3/8-24UNF       | 72          | 14                      |
| UD-50-22    | 8        | 5/16 | 2,200  | 140            | 5.5  | 0.9               | 2.0  | 21.0                   | 0.8 | 5/16               | 3/8-24UNF       | 72          | 14                      |
| UD-60-29    | 8        | 5/16 | 2,900  | 167            | 6.6  | 1.1               | 2.4  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 77          | 18                      |
| UD-60-20    | 8        | 5/16 | 2,000  | 180            | 7.1  | 1.2               | 2.6  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 77          | 18                      |
| UD-60-15    | 8        | 5/16 | 1,600  | 180            | 7.1  | 1.2               | 2.6  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 76          | 18                      |
| UD-60-07    | 13       | 1/2  | 700    | 219            | 8.6  | 1.4               | 3.1  | 22.5                   | 0.9 | 1/2                | 1/2-20UNF       | 75          | 18                      |
| UD-60-04    | 13       | 1/2  | 500    | 220            | 8.6  | 1.4               | 3.1  | 22.5                   | 0.9 | 1/2                | 1/2-20UNF       | 75          | 18                      |
| UD-80-12    | 13       | 1/2  | 1,200  | 216            | 8.5  | 1.8               | 4.0  | 26.0                   | 1.0 | 1/2                | 1/2-20UNF       | 79          | 23                      |
| UD-80-07    | 13       | 1/2  | 700    | 239            | 9.4  | 2.3               | 5.1  | 26.0                   | 1.0 | 1/2                | 1/2-20UNF       | 79          | 23                      |
| UD-80-04    | 16       | 5/8  | 400    | 247            | 9.7  | 2.9               | 6.4  | 26.0                   | 1.0 | 5/8                | 5/8-16UNF       | 79          | 23                      |
| INLINE      |          |      |        |                |      |                   |      |                        |     |                    |                 |             |                         |
| UD-50S-45   | 6        | 1/4  | 5,000  | 210            | 8.3  | 0.9               | 1.9  | 21.0                   | 0.8 | 5/16               | 3/8-24UNF       | 77          | 14                      |
| UD-50S-22   | 8        | 5/16 | 2,200  | 205            | 8.1  | 0.8               | 1.8  | 21.0                   | 0.8 | 5/16               | 3/8-24UNF       | 77          | 14                      |
| UD-60S-29   | 8        | 5/16 | 2,900  | 227            | 8.9  | 1.1               | 2.3  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 77          | 18                      |
| UD-60S-15   | 8        | 5/16 | 1,600  | 238            | 9.4  | 1.2               | 2.5  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 77          | 18                      |
| ANGLE       |          |      |        |                |      |                   |      |                        |     |                    |                 |             |                         |
| UD-50S-45A  | 4        | #8   | 5,000  | 253            | 10   | 0.9               | 1.98 | 21.0                   | 0.8 | -                  | 1/4-28UNF       | 79          | 14                      |
| UD-50S-45A* | 4        | #8   | 5,000  | 253            | 10   | 0.9               | 1.98 | 21.0                   | 0.8 | -                  | 1/4-28UNF       | 79          | 14                      |
| UD-60S-29C  | 8        | 5/16 | 2,900  | 276            | 10.9 | 1.5               | 3.3  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 79          | 18                      |
| UD-60S-15C  | 8        | 5/16 | 1,600  | 283            | 11.1 | 1.6               | 3.5  | 22.5                   | 0.9 | 5/16               | 3/8-24UNF       | 79          | 18                      |

\* UD-50S-45A\* comes with a cone jaw chuck installed.

Air Hose Size: 3/8" I.D. Air Inlet: N.P.T. 1/4"

NOTE: Other models are available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.

# PERCUSSION TOOLS



SBH-0

SBH-1A(R,H)

BRH-7(R,H)

## Low-Vibration Type



BRH-1UD



BRH-5UD



BRH-1USD



BRH-5USD

## RIVETING HAMMERS

Recommended Air Pressure: 85 psi

| MODEL              | CAPACITY        |             | BLOW<br>PER MIN.<br>BPM | OVERALL<br>LENGTH |      | WEIGHT |     | PISTON<br>DIAMETER |     | PISTON<br>STROKE |     | NOISE<br>LEVEL<br>dB(A) | AVERAGE AIR<br>CONSUMPTION<br>CFM |
|--------------------|-----------------|-------------|-------------------------|-------------------|------|--------|-----|--------------------|-----|------------------|-----|-------------------------|-----------------------------------|
|                    | DURALUMIN<br>IN | STEEL<br>IN |                         | MM                | IN   | KG     | LB  | MM                 | IN  | MM               | IN  |                         |                                   |
| STANDARD TYPE      |                 |             |                         |                   |      |        |     |                    |     |                  |     |                         |                                   |
| SBH-0              | 3/32            | —           | 6,500                   | 123               | 4.8  | 0.3    | 0.7 | 10.0               | 0.4 | 23               | 0.9 | 90                      | 3.5                               |
| SBH-1A(R,H)*       | 7/64            | —           | 4,000                   | 209               | 8.2  | 0.9    | 1.9 | 11.1               | 0.4 | 56               | 2.2 | 92                      | 5.0                               |
| BRH-7(R,H)*        | -               | -           | 3,400                   | 168               | 6.6  | 1.6    | 3.6 | 19.1               | 0.8 | 50               | 2.0 | 100                     | 17.0                              |
| LOW-VIBRATION TYPE |                 |             |                         |                   |      |        |     |                    |     |                  |     |                         |                                   |
| BRH-1UD            | 1/8             | 3/32        | 2,800                   | 122               | 4.9  | 1.1    | 2.4 | 14.3               | 0.6 | 38               | 1.5 | 95                      | 12.0                              |
| BRH-5UD            | 1/4             | 3/16        | 1,800                   | 189               | 7.4  | 1.4    | 3.1 | 12.7               | 0.5 | 100              | 4.0 | 95                      | 13.0                              |
| BRH-1USD           | #5              | #3          | 2,800                   | 143               | 5.6  | 1.4    | 3.1 | 14.3               | 0.6 | 38               | 1.5 | 95                      | 12.0                              |
| BRH-5USD           | 1/4             | #10         | 2,800                   | 211               | 10.7 | 1.7    | 3.6 | 12.7               | 0.6 | 100              | 1.5 | 95                      | 12.0                              |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

\* R - Round Bushing H - Hex Bushing



CB-13P



RH-25



RH-80



RH-90



RH-100Z



RH-200

## ONE SHOT HAMMERS

Recommended Air Pressure: 85 psi

| MODEL   | BLOW POWER<br>LB | RIVET SET<br>DIA X LENGTH<br>IN | SHANK DIAMETER |       | STROKE |      | LENGTH |      | WEIGHT |     |
|---------|------------------|---------------------------------|----------------|-------|--------|------|--------|------|--------|-----|
|         |                  |                                 | MM             | IN    | MM     | IN   | MM     | IN   | LB     | KG  |
| CB-13P  | 1.7              | 4.04 x 9.86                     | —              | —     | 3.0    | 0.12 | 185    | 7.3  | 0.7    | 0.3 |
| RH-25   | 20.4             | —                               | 10.2           | 0.401 | 29.8   | 1.2  | 213    | 8.4  | 2.0    | 0.9 |
| RH-80   | 27.6             | —                               | 10.2           | 0.401 | 29.8   | 1.2  | 254    | 10.0 | 2.9    | 0.3 |
| RH-90   | 103              | —                               | 10.2           | 0.401 | 29.8   | 1.2  | 328    | 12.9 | 3.5    | 1.6 |
| RH-100Z | 78.1             | —                               | 10.2           | 0.401 | 29.8   | 1.2  | 328    | 12.9 | 3.9    | 1.8 |
| RH-200  | 139              | —                               | 10.2           | 0.401 | 39.8   | 1.2  | 341    | 13.4 | 4.6    | 2.1 |

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"

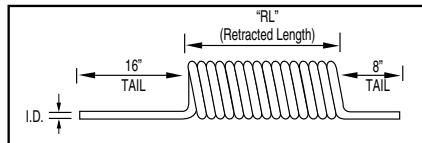
NOTE: Additional models available. Please contact AIMCO, 1-503-254-6600, or toll free 1-800-852-1368.

# 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<br>(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.

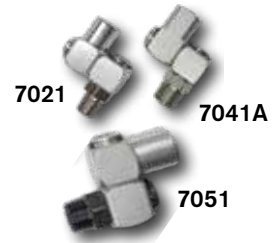
| MODEL | DESCRIPTION                        |
|-------|------------------------------------|
| B23   | 1/4" NPT F x 1/4" QC Brass Coupler |
| B23E  | 1/4" NPT F x 3/8" QC Brass Coupler |
| B25   | 3/8" NPT F x 3/8" QC Brass Coupler |



## 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.

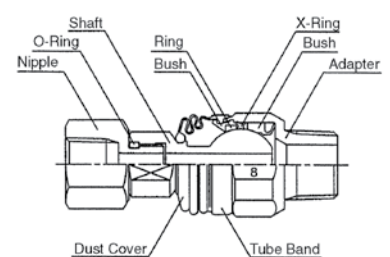
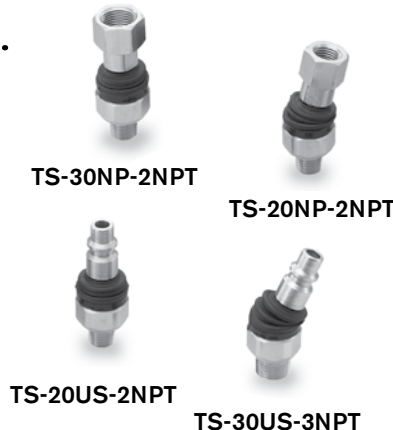
| MODEL     | DESCRIPTION                     |
|-----------|---------------------------------|
| 222P-6-4  | 3/8" NPT F x 1/4" NPT M Adapter |
| 222P-8-6  | 1/2" NPT F x 3/8" NPT M Adapter |
| 222P-12-8 | 3/4" NPT F x 1/2" NPT M Adapter |
| 209P-6-4  | 1/4" NPT F x 3/8" NPT M Bushing |
| 209P-8-6  | 3/8" NPT F x 1/2" NPT M Bushing |



## 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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| AAP1B66850A       | 4     | EYFB41        | 18   | RH-90               | 39   | SIW-38PR          | 28   | TS-30NP-2NPT   | 41   |
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| AAP2B76650A(R)    | 5     |               |      |                     |      | SIW-P5538         | 28   |                |      |
| AAP2B76950A(R)    | 5     |               |      |                     |      | SIW-P5550         | 28   |                |      |
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| ASH-250C-25MSZ    | 40    |               |      |                     |      |                   |      |                |      |
| ASH-375C-15MSZ    | 40    |               |      |                     |      |                   |      |                |      |
| ASH-375C-25MSZ    | 40    |               |      |                     |      |                   |      |                |      |
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| BJ10083           | 30    | U-410SD       | 16   | UAT-100L            | 12   | URW-9N            | 21   | UX-900         | 15   |
| BJ10091           | 28    | UAG-40SBL-136 | 37   | UAT-130             | 12   | URW-10N           | 21   | UX-900S        | 16   |
| BP-T40-(B) (KIT)  | 18    | UAG-50SBL-109 | 37   | UAT-150             | 12   | URW-12N           | 21   | UX-1000        | 15   |
| BP-T40D-(B) (KIT) | 18    | UAG-50SBL-120 | 37   | UAT-180             | 12   | US-3.5ACB         | 27   | UX-1000C       | 16   |
| BP-T50-(B) (KIT)  | 18    | UAG-70SBL-76  | 37   | UAT-200             | 12   | US-3.5B           | 27   | UX-1000S       | 16   |
| BP-T50D-(B) (KIT) | 18    | UAG-90SBL-59  | 37   | UAT-200L            | 12   | US-5              | 27   | UX-1300        | 15   |
| BP-T60-(B) (KIT)  | 18    | UAN-611R-30C  | 21   | UB333Li             | 19   | US-6W             | 27   | UX-1300S       | 16   |
| BP-T60D-(B) (KIT) | 18    | UAN-611R-40C  | 21   | UBC                 | 19   | US-350PW          | 27   | UX-1400        | 15   |
| BRH-1USD          | 39    | UAN-611R-50C  | 21   | UCB-25              | 20   | US-450PW          | 27   | UX-1620        | 15   |
| BRH-1UD           | 39    | UAN-611R-60C  | 21   | UCB-TA-CBL          | 20   | US-450WB          | 27   | UXR-1820       | 15   |
| BRH-5UD           | 39    | UAN-701R-30C  | 21   | UD-50-22            | 38   | US-652PW          | 27   | UXR-2000       | 15   |
| BRH-5USD          | 39    | UAN-701R-40C  | 21   | UD-50-45            | 38   | US-LD40P-08       | 27   | UXR-2000S      | 16   |
| BRH-7(R,H)        | 39    | UAN-701R-60C  | 21   | UD-50-200           | 38   | US-LD40P-15       | 27   | UXR-2400S      | 16   |
|                   |       | UAT-30D       | 12   | UD-50S-22           | 38   | US-LD40P-21       | 27   | UXR-3000S      | 16   |
|                   |       | UAT-30SD      | 12   | UD-50S-45           | 38   | US-LD50P-05       | 27   | UXR-T1820      | 14   |
|                   |       | UAT-40        | 12   | UD-50S-45A*         | 38   | US-LD50P-08       | 27   | UXR-T2000      | 14   |
|                   |       | UAT-40D       | 12   | UD-60-04            | 38   | US-LD50P-17       | 27   | UXR-T2400S     | 14   |
|                   |       | UAT-40S       | 12   | UD-60-07            | 38   | US-LT10B          | 24   | UXR-T3000S     | 14   |
|                   |       | UAT-40SD      | 12   | UD-60-15            | 38   | US-LT20B-10       | 24   | UX-ST800       | 15   |
|                   |       | UAT-50        | 12   | UD-60-20            | 38   | US-LT20B-18       | 24   | UX-T700L       | 14   |
|                   |       | UAT-50D       | 12   | UD-60-29            | 38   | US-LT30B-11       | 24   |                |      |
|                   |       | UAT-50DL      | 12   | UD-60S-15           | 38   | US-LT30B-11C      | 25   |                |      |
|                   |       | UAT-50L       | 12   | UD-60S-15C          | 38   | US-LT30B-17       | 25   |                |      |
|                   |       | UAT-50S       | 12   | UD-60S-29           | 38   | US-LT30B-17C      | 25   |                |      |
|                   |       | UAT-50SD      | 12   | UD-60S-29C          | 38   | US-LT30BL-11      | 25   |                |      |
|                   |       | UAT-50SDL     | 12   | UD-80-04            | 38   | US-LT30BL-17      | 25   |                |      |
|                   |       | UAT-50SL      | 12   | UD-80-07            | 38   | US-LT31PB-05      | 25   |                |      |
|                   |       | UAT-60        | 12   | UD-80-12            | 38   | US-LT31PB-17      | 25   |                |      |
|                   |       | UAT-60D       | 12   | UDBP-TA70(P)        | 19   | US-LT31PB-23      | 25   |                |      |
|                   |       | UAT-60L       | 12   | UDBP-TA70(P)-B      | 19   | US-LT40-03C       | 25   |                |      |
|                   |       | UAT-60S       | 12   | UDBP-TA70(P)-KIT    | 19   | US-LT40-05C       | 25   |                |      |
|                   |       | UAT-60SD      | 12   | UDBP-TA70(P)-RF     | 19   | US-LT40-08C       | 25   |                |      |
|                   |       | UAT-60SDL     | 12   | UDBP-TA70(P)-RF-B   | 19   | US-LT40B-03C      | 25   |                |      |
|                   |       | UAT-60SL      | 12   | UDBP-TA70(P)-RF-KIT | 19   | US-LT40B-05C      | 25   |                |      |
|                   |       | UAT-70        | 12   | UDBP-TA70(P)-RF-KTR | 19   | US-LT40B-08       | 24   |                |      |
|                   |       | UAT-70L       | 12   | UDP-TA40 (B)        | 20   | US-LT40B-08C      | 25   |                |      |
|                   |       | UAT-70S       | 12   | UDP-TA40 (B-TL)     | 20   | US-LT40B-15       | 25   |                |      |
|                   |       |               |      | UDP-TA40D (B)       | 20   | US-LT40B-15C      | 25   |                |      |
|                   |       |               |      | UDP-TA40D (B-TL)    | 20   | US-LT40B-21       | 24   |                |      |
|                   |       |               |      | UDP-TA50 (B)        | 20   | US-LT40BL-08      | 25   |                |      |
|                   |       |               |      | UDP-TA50D (B-TL)    | 20   | US-LT40BL-15      | 25   |                |      |
|                   |       |               |      | UDP-TA55 (B)        | 20   | US-LT41PB-08      | 25   |                |      |
|                   |       |               |      | UDP-TA55 (B-TL)     | 20   | US-LT41PB-15      | 25   |                |      |
|                   |       |               |      | UG-20A-120          | 37   | US-LT41PB-21      | 25   |                |      |
|                   |       |               |      | UG-20A-200          | 37   | US-LT50B-05       | 24   |                |      |
|                   |       |               |      | UG-25NA             | 37   | US-LT50B-08       | 24   |                |      |
|                   |       |               |      | UG-38N              | 37   | US-LT50B-17       | 24   |                |      |
|                   |       |               |      | UG-38NA             | 37   | US-LT51PB-05      | 25   |                |      |
|                   |       |               |      | UG-38NL             | 37   | US-LT51PB-08      | 25   |                |      |
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|                   |       |               |      | UG-50S-200A         | 37   | US-LT60P-11       | 25   |                |      |
|                   |       |               |      | UG-60S-29           | 37   | UTM-1500A         | 17   |                |      |
|                   |       |               |      | UG-65EB             | 37   | UTM-1500E         | 17   |                |      |
|                   |       |               |      | UG-65EBL            | 37   | UW-6CSHRK         | 36   |                |      |
|                   |       |               |      | UG-650EL            | 37   | UW-6SLRDK         | 35   |                |      |
|                   |       |               |      | UG-1250L-72         | 37   | UW-6SLRK          | 35   |                |      |
|                   |       |               |      | UGW-6N              | 22   | UW-6SSHRDK        | 35   |                |      |
|                   |       |               |      | UGW-8N              | 22   | UW-6SSLRDK        | 35   |                |      |
|                   |       |               |      | UL-30               | 13   | UW-6SSRK          | 35   |                |      |
|                   |       |               |      | UL-30D              | 13   | UW-8SHRK          | 35   |                |      |
|                   |       |               |      | UL-30S              | 13   | UW-9SRK           | 35   |                |      |
|                   |       |               |      | UL-30SD             | 13   | UW-10SHRK         | 35   |                |      |
|                   |       |               |      | UL-40               | 13   | UW-13CSK          | 36   |                |      |
|                   |       |               |      | UL-40D              | 13   | UW-13SRK          | 35   |                |      |
|                   |       |               |      | UL-40S              | 13   | UW-13SSK          | 35   |                |      |
|                   |       |               |      | UL-40SD             | 13   | UW-61ERK          | 35   |                |      |
|                   |       |               |      | UL-50               | 13   | UW-75S            | 36   |                |      |
|                   |       |               |      | UL-50D              | 13   | UW-131ERK         | 35   |                |      |
|                   |       |               |      | UL-50S              | 13   | UW-140P(WR)       | 36   |                |      |
|                   |       |               |      | UL-50SD             | 13   | UW-220P           | 36   |                |      |
|                   |       |               |      | UL-60               | 13   | UW-220PL          | 36   |                |      |
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|                   |       |               |      | UL-60S              | 13   | UW-381            | 36   |                |      |
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|                   |       |               |      | UL-130              | 13   | UX-450D           | 15   |                |      |
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|                   |       |               |      | ULT-60C             |      |                   |      |                |      |





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AIMCO CORPORATE HEADQUARTERS  
10000 SE Pine Street  
Portland, Oregon 97216  
Phone: (503) 254-6600  
Toll Free: 1-800-852-1368

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