



HIGH CAPABILITY TOOLING



ACHIEVING ASSEMBLY EXCELLENCE



ACRADYNE® HIGH TORQUE TOOLS

CHOOSE YOUR HANDLE

A heavy-duty design with the ability to adapt to nearly any handle configuration.



PISTOL TYPE
AEP SERIES



REAR MOUNTED PISTOL
AED SERIES



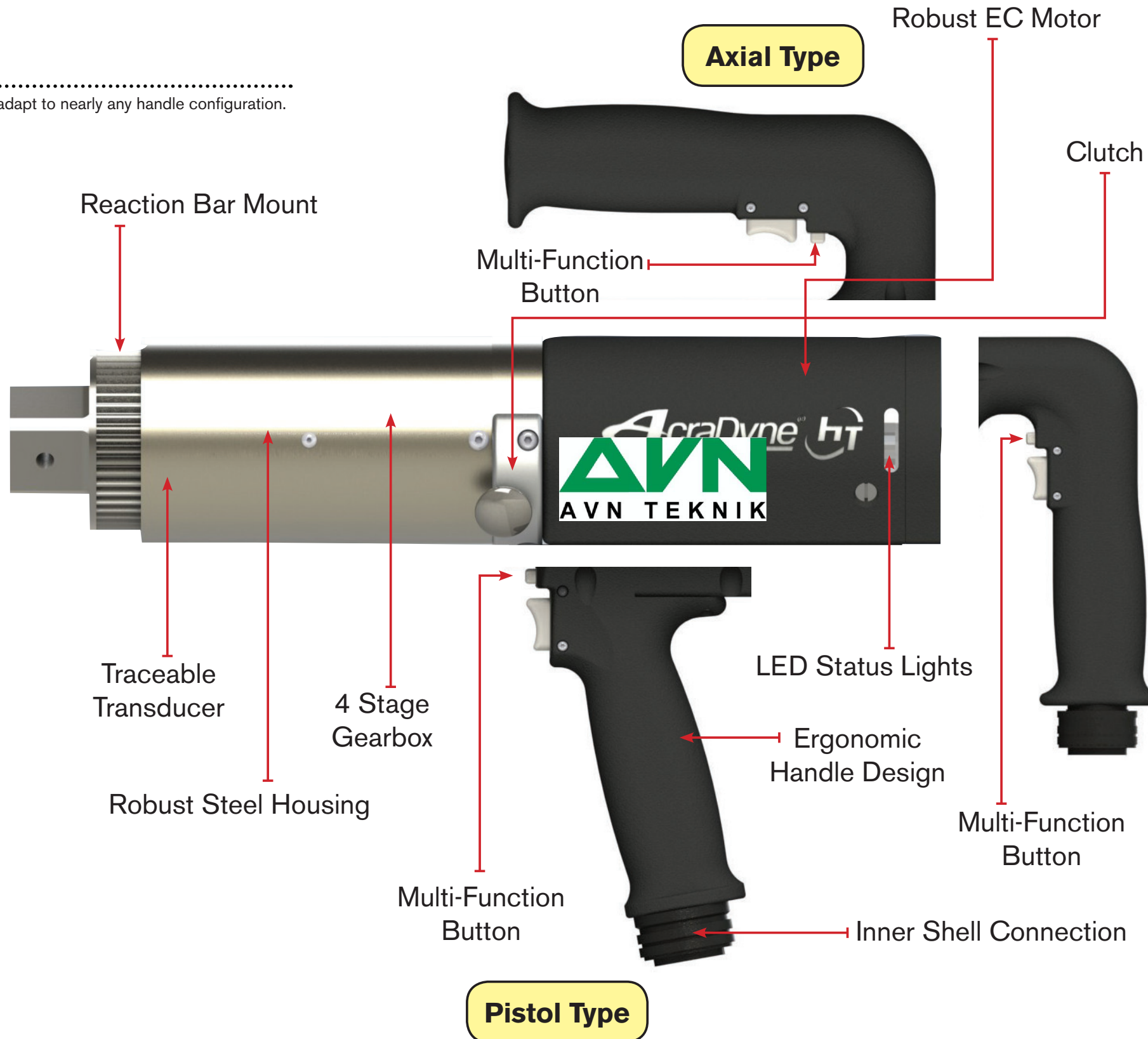
AXIAL TYPE
AEJ SERIES



FIXTURED TYPE
AEF SERIES



STRAIGHT LEVER TYPE
AES SERIES



FEATURES AND BENEFITS

Critical high torque assembly applications demand tools that will deliver torque with superior performance and durability. The precision design of the HT Series from AcraDyne combines these features in an electric tool that beats the competition on productivity and ergonomics. AcraDyne's transducer torque control system provides consistent, reliable torque values as well as the ability to monitor rotational angle during the tightening process. When combined with AcraDyne's Tool Controllers, customers have a high torque assembly system that can handle the toughest and most important fastening jobs with the ease and accuracy they demand.

- Faster Free Speed – Up to three times faster than the competition.
- Accurate built-in transducer ensures that torque values are accurate - no "guesstimates".
- Closed Loop Torque Control System.
- Interchangeable Tools, Cables and Controllers – Calibrations are specific to the tool, not the system as a whole.
- Universal Controller for all AcraDyne tools.
- On-tool LED's for Accept / Reject signals.
- CE Compliant
- Engineered and **MADE IN THE USA.**

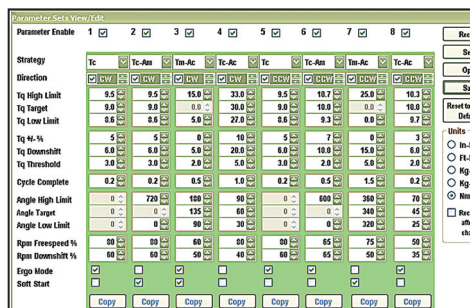
Rear Mounted Pistol



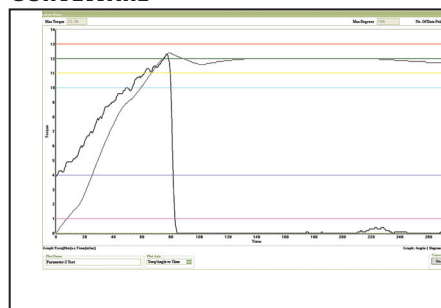
ACRADYNE® HT SERIES – PROGRAMING

ToolWare is AcraDyne's software package designed specifically for AcraDyne® tools and controllers. Provided at no cost, this comprehensive, user-friendly program allows programming, analysis and diagnostics via USB connection to any Windows® computer workstation. The software automatically detects the controller or can be used offline.

EASY PARAMETER SET SET-UP

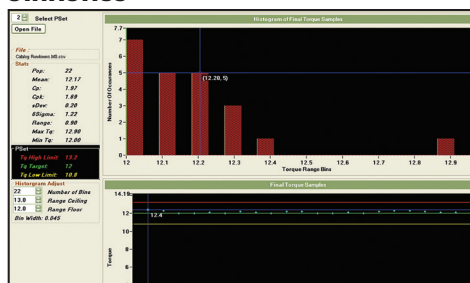


CURVEWARE™



AEC-CIM
Interface module allows communication between a computer and an AcraDyne® controller through USB or CAN connections.

STATISTICS



CALIBRATION MAINTENANCE SCHEDULING

ACRADYNE® HT SERIES – CONTROLLER

The reliability and simple operation of AcraDyne's iEC controller is now optimized to work with HT-Series tools. The rugged, weatherproof design allows easy set-up of the HT controller in the toughest of environments.

FEATURES AND BENEFITS

- Data Storage – Up to 2,040 rundowns stored on board.
- Firmware – Custom-designed operating system means no licensing fees.
- Parameter Set Select and Indication – Change between eight jobs with one touch.
- Tool Calibration Routines – Stores the calibration directly in the tool's memory for easy plug and play into any HT Series Controller.
- Programmable Calibration and Service Interval Alerts – Configure alerts to indicate when service or calibration is due for a tool based on the number of cycles, or months, since the last service or calibration.
- Real Time Clock – For time and date stamping rundown information and other logged data.
- Graphing Capabilities – To track and monitor tightening strategies.
- Multiple Fastening Strategies – Program up to eight parameter sets to handle eight different torques and joint types.



iEC31W Model

CONTROL STRATEGIES (CW OR CCW)

- Torque Control (TC) – Provides target torque with high and low limits with simple pass or fail criteria for tightening threaded fasteners.
- Torque Control with Angle Monitoring (TC/AM) – Allows user to monitor angle, rotation and detect any changes in the joint rate which would indicate process problems.
- Torque Monitoring with Angle Control (TM/AC) – For controlling the amount of fastener rotation during tightening while also viewing applied torque.

ACCURATE

- Controlled tightening improves quality.
- Process controls ensure no missed fasteners, stripped threads, rehits or damaged threads.
- Reduces human error.
- Consistent torque control.
- Accurate tightening means better end product quality.
- No premature shut-off.

RELIABLE

- No guessing, just reliable and accurate assembly.
- Automatically set your torque and reduce operator error.
- No counting required.
- Collect and analyze your production data.

PRODUCTIVE

- Increased productivity means increased profits.
- Replace up to eight conventional tools with one controlled system.



ACRADYNE® HT SERIES – ACCESSORIES

MODEL	LENGTH
24330	3 meter
25350	5 meter
24320	10 meter

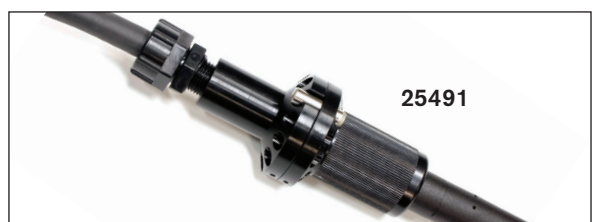


CABLES

Newly designed cable and connectors for excellent ergonomics, maximum-quality signal transfer and full CE compliance.

BREAKAWAY CABLE CONNECTOR

Ensures disconnect of cable should stress in excess of 40 lbs occur.



25491

REACTION BARS

Each tool includes a standard spline-attachment reaction device. Blank and custom reaction devices are also available; contact your AIMCO sales representative for more details.

ACCESSORIES

Custom accessories are also available for your application; contact your AIMCO sales representative for more details.



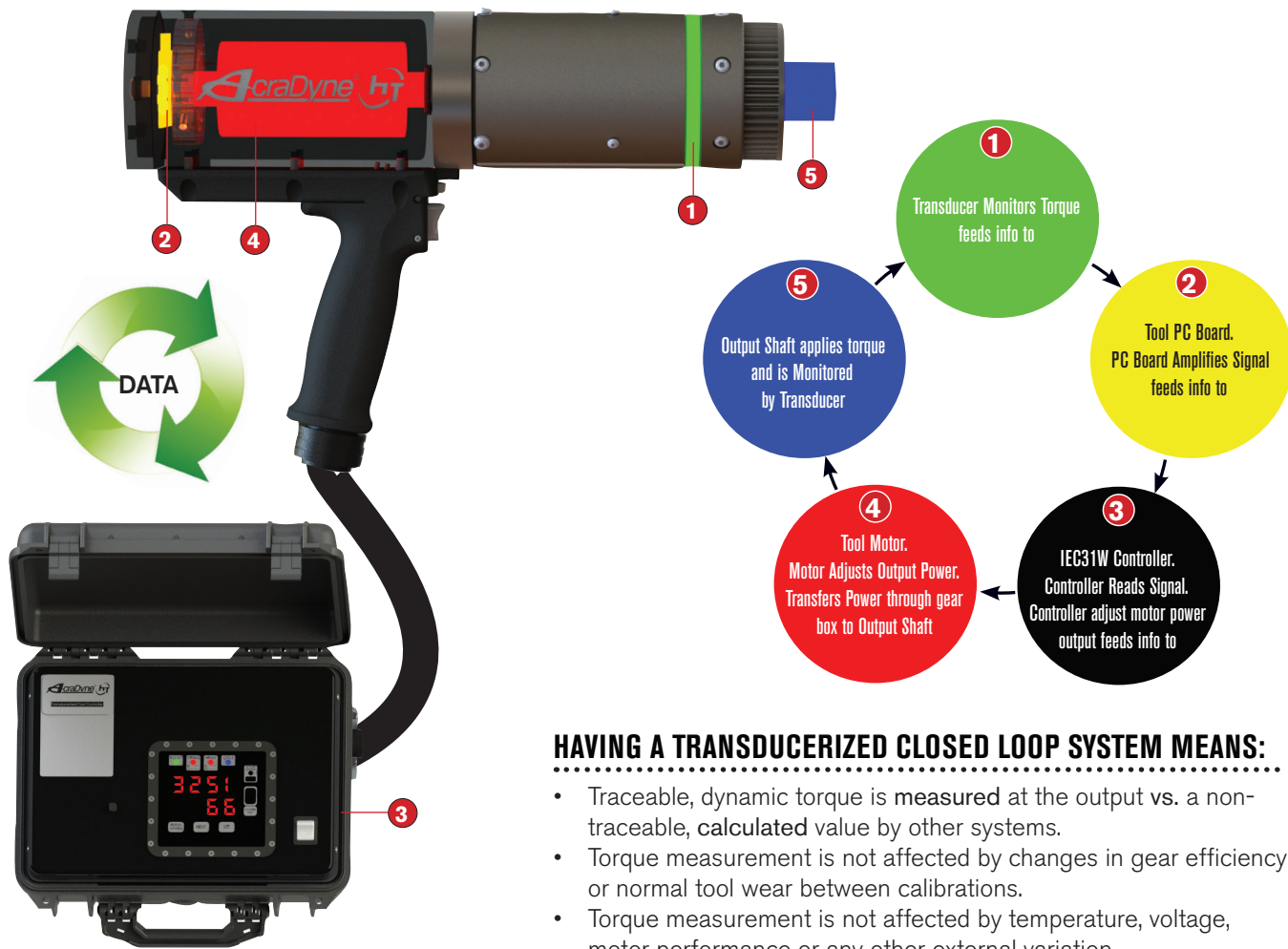
PROTECTIVE COVERS

MODEL	DESCRIPTION
26515	Standard Socket, 6000 Series
26516	Deep Socket, 6000 Series
26536	Standard Socket, 7000 Series
26537	Deep Socket, 7000 Series
25274	Standard Socket, 8000 Series, 1"
25275	Deep Socket, 8000 Series, 1"
25275	Standard Socket, 8000 Series, 1-1/2"



MODEL	DESCRIPTION
26478	Swivel "D" Handle, 6000 Series
26328	Swivel "D" Handle, 7000 Series
25291	Swivel "D" Handle, 8000 Series
6000-FB	Protective Cover, 6000 Series
7000-FB	Protective Cover, 7000 Series
8000-FB	Protective Cover, 8000 Series

NOT JUST ANOTHER ELECTRIC TOOL



HAVING A TRANSDUCERIZED CLOSED LOOP SYSTEM MEANS:

- Traceable, dynamic torque is measured at the output vs. a non-traceable, calculated value by other systems.
- Torque measurement is not affected by changes in gear efficiency or normal tool wear between calibrations.
- Torque measurement is not affected by temperature, voltage, motor performance or any other external variation.
- Additional, redundant validation is not required.
- The system can be verified and calibrated easily anywhere.
- Tool, Cable and Control Unit are modular sub-systems and not dependent upon each other for system accuracy.



ACRADYNE® HT SERIES – SPECIFICATIONS



MODEL	SERIES	APPROX. TORQUE		APPROX. SPEED	WEIGHT		LENGTH		DIA.		DRIVE	SOUND LEVEL
(handle type)		Nm	ft-lb	rpm	kg	lb	mm	in	mm	in	in	dB(A)
()4B66500A*	6000	500	370	160	5.7	12.5	299	11.8	66	2.6	0.75	66
()4B66750A*	6000	750	550	110	5.7	12.5	299	11.8	66	2.6	0.75	66
()4B771000A*	7000	1000	750	85	5.7	12.5	292	11.5	76	3.0	1	66
()4B772500A*	7000	2500	1850	31	8.1	18	328	12.9	76	3.0	1	66
()4W772800A**	7000	2800	2065	20	8.1	18	328	12.9	76	3.0	1	66
()4B884100A1	8000	4100	3000	12	12.3	27	376	14.8	86	3.6	1	66
()4B884100A	8000	4100	3000	12	12.3	27	376	14.8	86	3.6	1.5	66
()4W884650A	8000	4650	3430	9	12.3	27	376	14.8	86	3.6	1.5	66
()4W896500A**		6500	4800	7								Under development

*Due 2012

**Under development

AUDITOR™ HIGH-CAPACITY TEST STANDS

- Transducer Accuracy – Better than +/- 1% FSD.
- Test Stand for all Hand & Power Tools - Manual torque multipliers, powered torque multipliers, hydraulic wrenches, pulse tools, geared nutrunners, including Impact Wrenches – Capacities from 1,000 ft-lb (1,360 Nm) full scale to 25,000 ft-lb (34,000 Nm) full scale.
- Designed to be ergonomic during testing of larger tools – Ideally suited for “rolling floor stand”, but can be mounted on bench.
- Stand is designed for multiple reaction points for the convenience of testing larger tools.
- Display has multiple engineering units and four (4) digit display.
- Unbreakable cover protecting display from damage.
- Serial Output for communication to PC or Serial printer.
- Battery and/or Mains powered.
- Optional Rundown Fixtures.



AHCTS Series for Power Tools



Rundown Joint Kits



AHCTS Series for Hydraulic Wrenches

MODEL	DESCRIPTION
AHCTS-1000	1,000 Ft Lb / 1,355 NM High Capacity Test Stand-Pwr Tools w/Rundown Fixture
AHCTS-2500	2,500 Ft Lb / 3,390 NM High Capacity Test Stand-Pwr Tools w/Rundown Fixture
AHCTS-5000	5,000 Ft Lb / 6,780 NM High Capacity Test Stand-Pwr Tools w/Rundown Fixture

Above items include stand and rundown joint kit for power tools.

MODEL	DESCRIPTION
AHCTS1K	1,000 Ft Lb / 1,355 NM High Capacity Test Stand-Hydraulic Wrenches
AHCTS2K	2,500 Ft Lb / 3,390 NM High Capacity Test Stand-Hydraulic Wrenches
AHCTS5K	5,000 Ft Lb / 6,780 NM High Capacity Test Stand-Hydraulic Wrenches
AHCTS10K	10,000 Ft Lb / 13,560 NM High Capacity Test Stand-Hydraulic Wrenches
AHCTS25K	25,000 Ft Lb / 33,895 NM High Capacity Test Stand-Hydraulic Wrenches
AHCTS50K	50,000 Ft Lb / 67,791 NM High Capacity Test Stand-Hydraulic Wrenches

Above items are for Hydraulic Wrenches and do not include rundown joint kit.

MODEL	DESCRIPTION
AHCTS-3/4RDF	High Capacity Test Stand Rundown Fixture 3/4" Drive
AHCTS-1RDF	High Capacity Test Stand Rundown Fixture 1" Drive
AHCTS-1.5RDF	High Capacity Test Stand Rundown Fixture 1-1/2" Drive

Replacement Rundown Joint Kits for AHCTS-1000, AHCTS-2500 and AHCTS-5000 products.

AIMCO is the source for your critical fastening and tightening needs. AIMCO possesses over 40 years experience in joint tightening and its interaction with tooling which ensures the best solution is put into practice.

If Productivity, Ergonomics, Reliability, and Quality are driving forces in your business, then AIMCO is your value-added partner. We provide cost effective answers for our customers by working collaboratively to solve challenges related to tightening strategies, tool selection and installation, joint failure analysis, as well as audit trails and methods. As a value added service, AIMCO will train your operators to maximize the production efficiencies our tools provide.

AIMCO's manufacturing division, "AcraDyne", located in Portland, Oregon produces a complete line of D/C Controlled Tools, innovative new products and engineered solutions to complex assembly challenges. Our service, repair and calibration labs provide a fast turnaround on repairs and all electronic torque equipment are traceable to NIST standards.

Our strategically located Sales Organization, coupled with our worldwide Service Providers, make AIMCO the right choice for all of your fastening and tightening needs.

