PCB PIEZOTRONICS
AN AMPHENOL COMPANY

Model 92300-063973

Run Down Adapter, Square Drive, 10-100 in-lb (1.1-11.3 Nm), 1/4-inch Female-Male

Installation and Operating Manual

For assistance with the operation of this product,
contact the PCB Piezotronics, Inc.

Toll-free: 716-684-0001
24-hour SensorLine: 716-684-0001
Fax: 716-684-0987
E-mail: info@pcb.com
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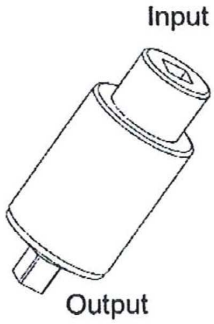
PCB LOAD & TORQUE
A PCB GROUP COMPANY

RDA (Run Down Adapters)

These durable run down adaptors (RDA) are designed to provide consistent and reliable torque readings for use with power driven torque control tools. The RDA's reduce the impact and irregular peaks that cause poor repeatability. Each RDA has an effective torque range and will supply repeatable torque data within that range if used correctly.

Operation

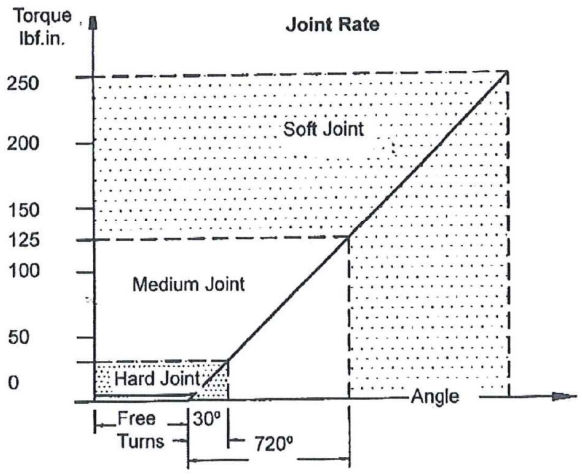
1. The run down adapter is mounted in-line between the tool drive and transducer.
2. The transducer should be properly secured on a solid surface or test bench.
3. Reverse RDA to relieve any pressure on the internal load washers before each rundown.
   Caution: DO NOT start RDA on power tool with threads disengaged or damage may occur.
4. The RDA is designed to run clockwise direction only.
5. Apply torque until RDA is run down completely. Then note or save reading with analyzer.



Maintenance

1. Keep the threads of the RDA well lubricated. It is recommended that the RDA be disassembled, cleaned and the threads re-coated with a molybdenum grease every 6-months. The washers, themselves do not require lubrication.

Illustrates an example of joint characteristic for RDA250i



Free Turns
This is when the input drive turns freely with little or no torque. All RDA models provide at least 5 full rotations with less than 5% of nominal torque.

Hard Joint
All Mountz RDA's will simulate a hard joint rate when used below 12% of its maximum torque capacity.

Soft Joint
A soft joint rate will be achieved when RDA's are used above 50% of its maximum torque capacity.

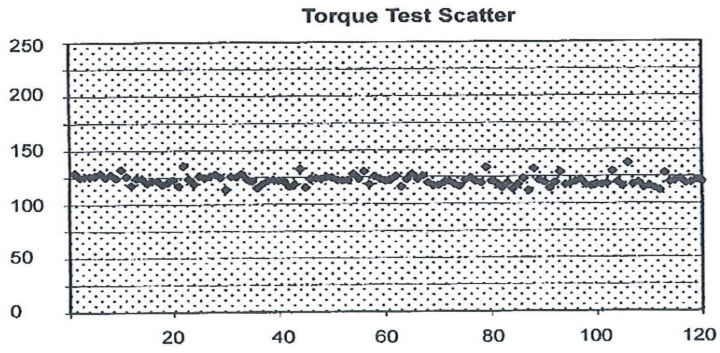
Note: Value may vary from each model. It's recommended for you to evaluate your model whenever joint rate characteristic is critical for your test method.

Torque Test Scatter Graph

The graph on the right shows torque values recorded after each test run.

Mean Torque: 121.72 lbf.in
Standard Deviation: 11.53 lbf.in

Mountz RDAs are designed to provide minimal scattering when used with reliable and repeatable power tools, transducers and torque analyzers. The test equipment and method that are used will affect the performance of the run down adapters.



Model Number	RUN DOWN ADAPTOR	Revision: NR
92300-063973		ECN #: 35469

Performance	ENGLISH	SI
Torque Range	10 to 100 lb/in	113 to 1130 cN-m
Drive Size	1/4 inch Square	1/4 inch Square

All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.

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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

Entered: DMW	Engineer: PE	Sales: JC	Approved: GLB	Spec Number:
Date: 8/3/2011	Date: 8/3/2011	Date: 8/3/2011	Date: 8/3/2011	51039

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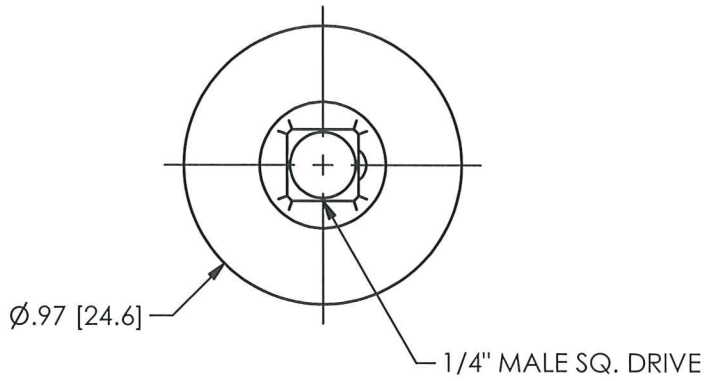
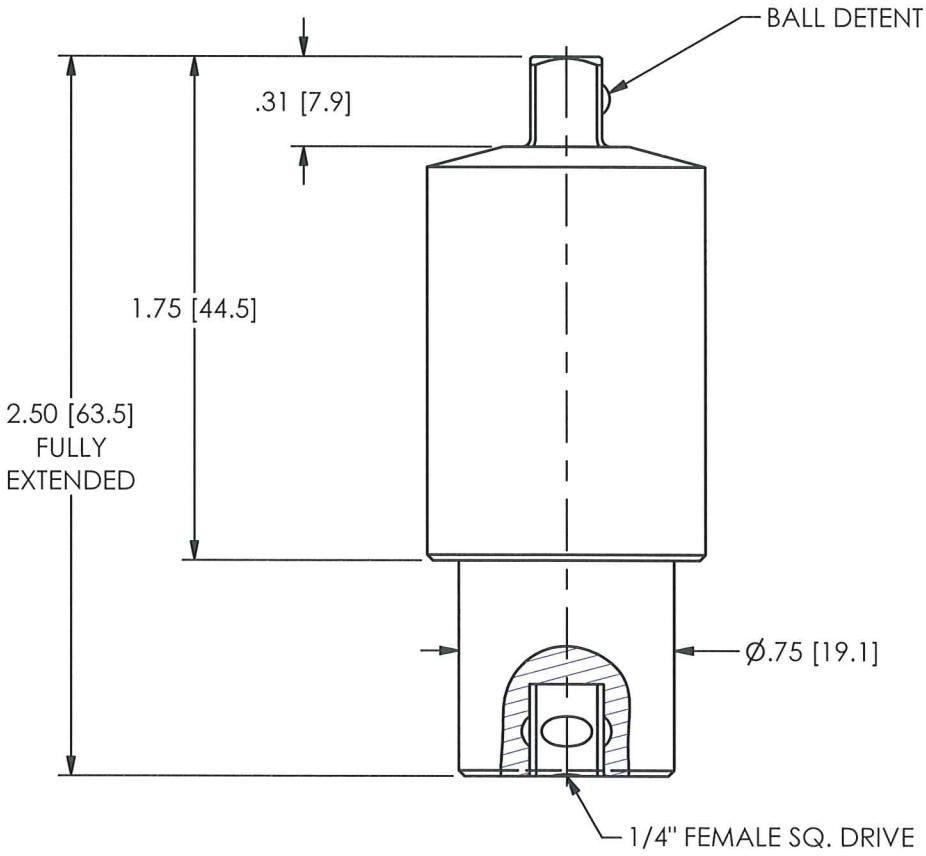
45113

REVISIONS		
REV	DESCRIPTION	ECO
NR	RELEASED TO DRAFTING	35469





UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		DRAWN	CHECKED	ENGINEER	
DIMENSIONS IN INCHES	DIMENSIONS IN MILLIMETERS [IN BRACKETS]	EDB 8/5/11	8/10/11	PTE	8/5/11
DECIMALS XX ±.01 XXX ±.005	DECIMALS X ±0.3 XX ±0.13	TITLE			
ANGLES ± .5 DEGREES	ANGLES ± .5 DEGREES	OUTLINE DRAWING RUN DOWN ADAPTOR 1/4" SQ., 20oz-100IN-LB CAP.			
FILLETS AND RADII .015 MAX	FILLETS AND RADII 0.38 MAX				

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DWG. NO. 45113

SCALE: 1.5X | SHEET 1 OF 1