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For immediate assistance call  
1-800-750-6842

# ADS - EDS

## Dial Measuring Torque Wrenches



The preferred and certified ranges of these tools is in accordance with the requirements of ISO 6789:1992 ( $\pm 4\%$  of reading).

Non-length dependent.

Dual scale in American and S.I. units. Single scale models are available.

Quality constructed for accuracy and reliability with an attractive abrasive resistant finish for longer life.

Mechanical stop provides overload protection to 125% of full scale.

Fine main and memory pointers provide accurate readings.

Lightweight aluminium handle (w/non-slip grip) for improved balance. Scuff-resistant non-slip finish.

Standard double-ended spindle ratchet mechanism allows for left handed torque applications.

Single-end spindles available upon request.

Exclusive built-in ratchet mechanism.

Recessed dial minimizes dial breakage.

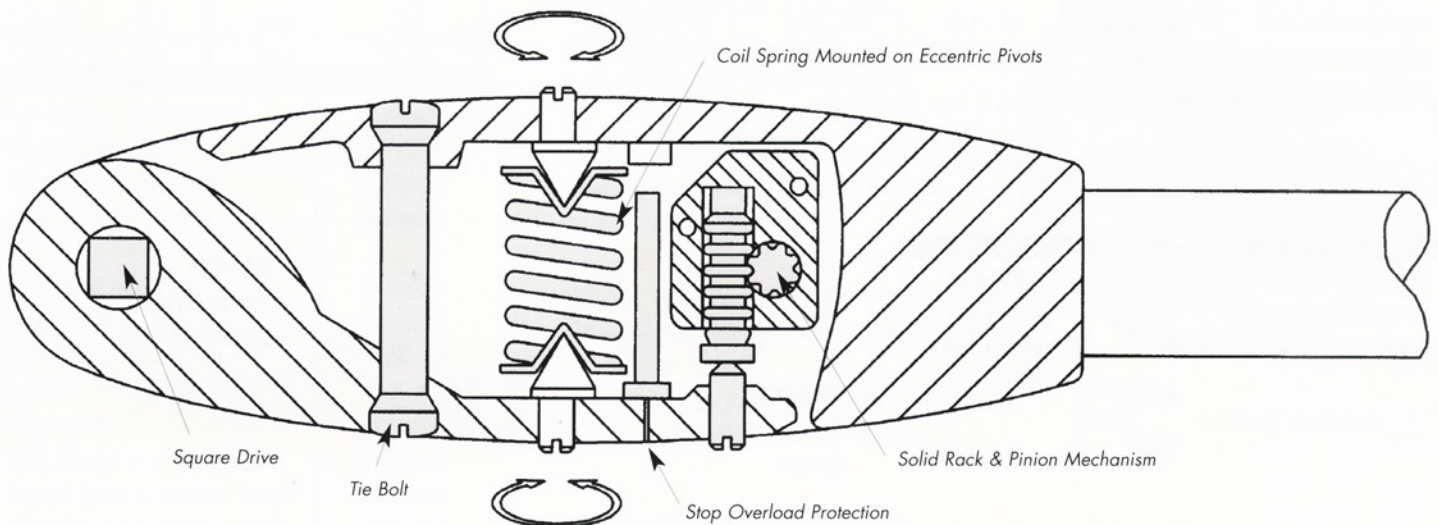
Torque indicating signal light – standard on CDS, DDS, and EDS models. Optional on certain ADS and BDS models.

Models serial number labeled for instant identification / traceability.

ADS models are ESD compliant (IEC 61340-5-1:1998).

BDS, CDS, DDS and EDS models are available in ESD upon request.

### Working Principle of Dial Measuring Torque Wrenches



# ADS - EDS

## Dial Measuring Torque Wrenches

Model	Item#	Calibrated Ranges		Graduation		Sq. Dr.	Light Signal	Head Ht.		Length		Approx. Wt.	
		American	S.I. (N.m)	American	S.I.			in.	mm	in.	mm	lbs.	kg.
ADS4	020100	7 - 35 lbf.in	0.8 - 4	1 lbf.in	0.1	1/4	*	2.40	61	9.60	244	1.15	0.52
ADS8	020101	14 - 70 lbf.in	1.6 - 8	1 lbf.in	0.25	1/4	*	2.40	61	9.60	244	1.15	0.52
ADS12D	020102	21 - 105 lbf.in	2.4 - 12	2 lbf.in	0.5	1/4	*	2.40	61	9.60	244	1.15	0.52
ADS12A	020103	21 - 105 lbf.in	2.4 - 12	2 lbf.in	0.5	3/8	*	2.70	69	9.60	244	1.15	0.52
ADS25	020104	44 - 220 lbf.in	5 - 25	10 lbf.in	1	3/8	*	2.70	69	9.60	244	1.15	0.52
ADS25F	020105	4 - 18 lbf.ft	5 - 25	0.5 lbf.ft	1	3/8	*	2.70	69	9.60	244	1.15	0.52
ADS40	020106	72 - 360 lbf.in	8 - 40	10 lbf.in	1	3/8	*	2.70	69	9.60	244	1.15	0.52
ADS40F	020107	6 - 30 lbf.ft	8 - 40	1 lbf.ft	1	3/8	*	2.70	69	9.60	244	1.15	0.52
BDS80A	020108	12 - 60 lbf.ft	16 - 80	1 lbf.ft	2	3/8	-	3.06	78	17.12	435	3.00	1.35
BDS80AS	020109	12 - 60 lbf.ft	16 - 80	1 lbf.ft	2	3/8	Yes	3.06	78	17.31	440	3.24	1.47
BDS80E	020110	12 - 60 lbf.ft	16 - 80	1 lbf.ft	2	1/2	-	3.39	86	17.12	435	3.00	1.35
BDS80ES	020111	12 - 60 lbf.ft	16 - 80	1 lbf.ft	2	1/2	Yes	3.39	86	17.31	440	3.28	1.49
BDS160	020112	24 - 120 lbf.ft	32 - 160	2 lbf.ft	2.5	1/2	-	3.39	86	20.27	515	3.10	1.41
BDS160S	020113	24 - 120 lbf.ft	32 - 160	2 lbf.ft	2.5	1/2	Yes	3.39	86	20.47	520	3.39	1.54
BDS200	020114	30 - 160 lbf.ft	40 - 200	5 lbf.ft	5	1/2	-	3.39	86	20.27	515	3.10	1.41
BDS200S	020115	30 - 160 lbf.ft	40 - 200	5 lbf.ft	5	1/2	Yes	3.39	86	20.47	520	3.39	1.54
CDS400S	020117	60 - 300 lbf.ft	80 - 400	10 lbf.ft	10	3/4	Yes	4.38	111	27.95	705	6.94	3.15
DDS800S	020119	120 - 600 lbf.ft	160 - 800	20 lbf.ft	20	3/4	Yes	4.88	123	39.37	1000	10.70	4.85
EDS1400	020120	200 - 1000 lbf.ft	280 - 1400	25 lbf.ft	25	1	Yes	5.44	138	80.3	2040	36.72	16.69
EDS2000	020121	300 - 1500 lbf.ft	400 - 2000	50 lbf.ft	50	1	Yes	5.44	138	80.3	2040	36.72	16.69

**\* SPECIAL ORDER**

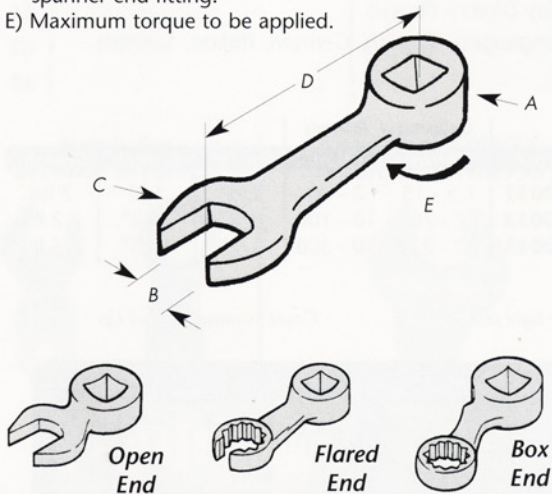
- All Light Signal Wrenches use standard size batteries
- All ADS - EDS wrenches available in single scale models

- ADS and BDS models are supplied with a protective plastic case
- EDS models available with single or double-end, but are not available with a ratchet end
- For Single-End Spindle, specify SE after the model name. Example: ADS4-SE

### Extension Spanners

Special extension spanners are available upon request. When ordering, please provide the following information:

- Square drive size.
- Size of spanner end.
- End type - Box, Open, or Flared.
- Center distance between the square drive and the spanner end fitting.
- Maximum torque to be applied.



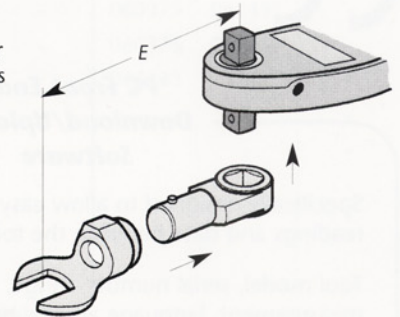
**Note:**

Due to the low torque ranges and high accuracy, it is recommended that Models ADS4 & ADS8 should not be used with Extension Spanners.

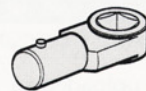
### Extension Adapters

Adapters offer an alternative solution for overcoming space and access limitations and are available upon request.

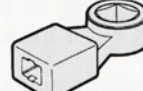
- Place the end fitting to the extension adapter.
- Attach to the wrench's square drive.
- Measure and note distance "E" from the center of the end fitting to the wrench square drive.



16mm Spigot



German 9 x 12 Cavity Fitting



Dovetail Wedge Fitting



Square Drive	Item#	Item#	Item#
3/8"	20-A96102	20-A96112	20-A96122
1/2"	20-A96103	20-A96113	20-A96123

**Note:**

Extension Adapters cannot be used with the ADS4, ADS8 and ADS12D. When using extension spanners or adapters, the torque applied to the fastener is greater than that shown on the torque wrench dial. To calculate the increase, please use the formula on page 7.5.