



Flat Beams Are Superior

Flat Beam

M Series

The four most important requirements of a torque wrench, accuracy, reliability, durability, and low ownership cost, are combined into these exceptional tools. Accuracy is literally ground into the wrench. The special alloy steel beam is ground to a rate of deflection with the use of dead weights, rather than a dimensional tolerance. This process is time consuming and very labor intensive, but the result is a tool that remains accurate as long as the beam is intact and the pointer is on zero under no-load condition. The flat shape of the beam insures the wrench remains at a right angle to the fastener, reducing or eliminating side-loading error. This unique taper-grinding distributes stress evenly along the entire length of the beam, extending tool life indefinitely. With a minimum of moving parts, these tools are virtually repair and maintenance free.

Features

- Incredibly durable design - actual service life frequently measured in decades!
- Very low cost of ownership - exceptional accuracy retention permits extended calibration intervals, and they are virtually maintenance and repair free!
- Ideal for prevailing-torque and destructive testing applications.
- Low mass/low inertia design of pointers helps eliminate reading distortion.
- Memory feature consists of fingers which follow a track in the scale and remain in place to indicate maximum torque achieved.
- Peak torque indicated on scale is accurate, even on destructive testing applications.
- Pivoted handle concentrates load at precise point on lever to assure torque accuracy.
- Meets or exceeds ASME B107.300 - 2010 and ISO 6789.
- Accuracy of all flat beams is +/- 2% of indicated value from 20% to 100% of capacity, in both directions.
- Includes FREE calibration certificate from our ISO/IEC 17025 Accredited Laboratory.

Crowfoot Adapter



- Gain the significant advantage of our interchangeable head system by attaching the SRA to any fixed square drive wrench.
- Ideal for use when a direct reading torque wrench is required but space is limited.
- Use of an adapter requires calculation of torque output.
- When used with our 1 7/16" (36.5mm) Interchangeable Heads the adapter length will be 3" (76.3mm).

Crowfoot Adapter

Part Number	Model	Description
850653	SRA- $\frac{5}{8}$	$\frac{5}{8}$ Female-Male Dovetail
850655	SRA- $\frac{1}{2}$	$\frac{1}{2}$ Female-Male Dovetail

Flat Beam Memory Series - English

Part No.	Model	Torque Capacity	Steps of Graduations	Square Drive	Lever Arm Distance	Dimensions (in.)					Weight
						A	B	C	D		
• 850233	M 32 IO	0-32 in. ozs.	2 in. ozs.	1/4 in.	6.0 in.	6 7/8	1 3/64	1/4	2 1/4	0.2 lbs.	
• 850254	M 80 IO	0-80 in. ozs.	5 in. ozs.	1/4 in.	6.2 in.	6 27/32	1 31/64	1/4	2 1/4	0.25 lbs.	
• 850202	M 160 IO	0-160 in. ozs.	10 in. ozs.	1/4 in.	6.0 in.	6 27/32	1 31/64	1/4	2 1/4	0.25 lbs.	
• 850188	M 10 I	0-10 in. lbs.	1/2 in. lb.	1/4 in.	6.0 in.	6 27/32	1 1/2	1/4	2 1/4	0.25 lbs.	
• 850222	M 25 I	0-25 in. lbs.	1 in. lb.	5/16 in.	6.3 in.	6 27/32	1 25/32	5/8	2 1/4	0.4 lbs.	
• 850242	M 50 I	0-50 in. lbs.	2 in. lbs.	5/16 in.	6.0 in.	6 7/8	1 45/64	5/8	2 1/4	0.4 lbs.	
• 850191	M 100 I	0-100 in. lbs.	5 in. lbs.	5/16 in.	6.5 in.	7 7/16	1 45/64	5/8	2 1/4	0.4 lbs.	
• 850211	M 200 I	0-200 in. lbs.	10 in. lbs.	5/16 in.	9.0 in.	7 7/16	1 45/64	5/8	2 3/4	0.5 lbs.	
■ 850228	M 300 I	0-300 in. lbs.	10 in. lbs.	5/16 in.	13.5 in.	16	3 51/64	5/8	3 51/64	2.75 lbs.	
■ 850246	M 600 I	0-600 in. lbs.	25 in. lbs.	5/16 in.	13.5 in.	16	3 51/64	5/8	3 51/64	2.75 lbs.	
■ 850247	M 600 I	0-600 in. lbs.	25 in. lbs.	1/2 in.	13.5 in.	16	3 51/64	1/2	3 51/64	2.75 lbs.	
■ 850195	M 1200 I	0-1200 in. lbs.	50 in. lbs.	1/2 in.	15.0 in.	17 1/2	3 51/64	1/2	3 51/64	2.75 lbs.	
■ 850205	M 1800 I	0-1800 in. lbs.	50 in. lbs.	1/2 in.	18.0 in.	20 9/16	3 51/64	1/2	3 51/64	3.75 lbs.	
■ 850220	M 25	0-25 ft. lbs.	1 ft. lb.	5/16 in.	13.5 in.	16	3 51/64	5/8	3 51/64	2.75 lbs.	
■ 850240	M 50	0-50 ft. lbs.	2 ft. lbs.	5/16 in.	13.5 in.	16	3 51/64	5/8	3 51/64	2.75 lbs.	
■ 850241	M 50	0-50 ft. lbs.	2 ft. lbs.	1/2 in.	13.5 in.	16	3 51/64	1/2	3 51/64	2.75 lbs.	
■ 850190	M 100	0-100 ft. lbs.	5 ft. lbs.	1/2 in.	15.0 in.	17 1/2	3 51/64	1/2	3 51/64	2.75 lbs.	
■ 850198	M 150	0-150 ft. lbs.	5 ft. lbs.	1/2 in.	18.0 in.	20 9/16	3 51/64	1/2	3 51/64	3.75 lbs.	
■ 850227	M 300	0-300 ft. lbs.	10 ft. lbs.	5/8 in.	30.0 in.	34 1/4	5 5/32	5/8	3 51/64	10.75 lbs.	

Flat Beam Memory Series - Newton Metre

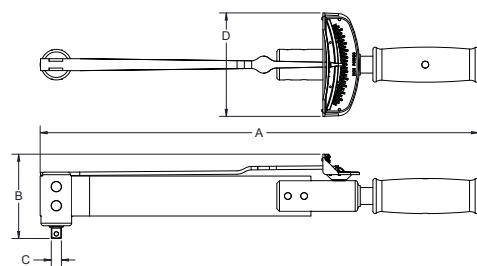
Part No.	Model	Torque Capacity	Steps of Graduations	Square Drive	Lever Arm Distance	Dimensions (cm)					Weight
						A	B	C	D		
• 855276	M 110 cNm	0-110 cNm	5 cNm	1/4 in.	152.4 mm	17.37	1.59	0.64	5.72	0.5625 kg	
• 855281	M 2.5 Nm	0-2.5 Nm	.1 Nm	5/16 in.	158.8 mm	17.37	3.12	0.95	5.72	0.765 kg	
• 855282	M 5 Nm	0-5 Nm	.2 Nm	5/16 in.	152.4 mm	17.37	3.12	0.95	5.72	0.765 kg	
• 855283	M 12 Nm	0-12 Nm	.5 Nm	5/16 in.	165.1 mm	18.87	3.12	0.95	5.72	0.855 kg	
• 855284	M 22 Nm	0-22 Nm	1 Nm	5/16 in.	228.6 mm	25.15	3.12	0.95	6.99	1.125 kg	
• 855285	M 34 Nm	0-34 Nm	1 Nm	5/16 in.	340.4 mm	40.64	6.17	0.95	9.63	6.1875 kg	
■ 855287	M 70 Nm	0-70 Nm	2 Nm	5/16 in.	342.9 mm	40.64	6.17	0.95	9.63	6.1875 kg	
■ 855288	M 70 Nm	0-70 Nm	2 Nm	1/2 in.	342.9 mm	40.64	6.50	1.27	9.63	6.1875 kg	
■ 855289	M 140 Nm	0-140 Nm	5 Nm	1/2 in.	381.0 mm	40.64	6.50	1.27	9.63	6.1875 kg	
■ 855290	M 210 Nm	0-210 Nm	10 Nm	1/2 in.	457.2 mm	52.22	6.50	1.27	9.63	8.4375 kg	
■ 855292	M 410 Nm	0-410 Nm	10 Nm	5/8 in.	762.0 mm	87.00	10.59	1.91	20.32	24.1875 kg	



• Pivoted Ball Handle



■ Pivoted Handle



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