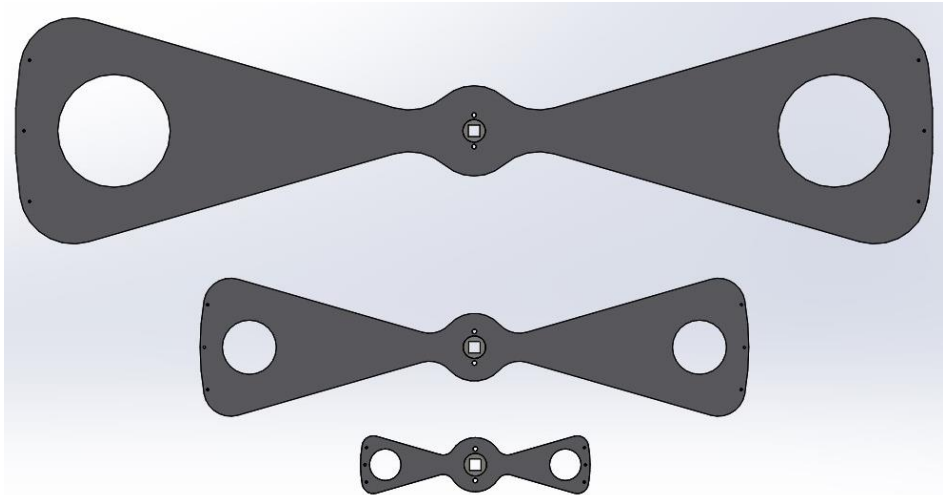


UNSUPPORTED CALIBRATION BEAMS



DESCRIPTION

The AWS Unsupported Calibration Beams are designed for calibration of torque measuring devices from 2 Nm - 1500 Nm using the principle of weights at a known distance. The beams are robust, precision machined anodised aluminium alloy components, and include a precision 1" (25.4mm) female square drive machined into the boss, to fit a selection of 1" (25.4mm) male to male adapters, allowing the beams to be used with AWS Precision Torque Adapters down to 1/4" in size, which facilitates a variety of devices to be calibrated. The calibration beams use kg weights. Precision weight pans, very flexible suspension cables, suspension hooks and a robust carry case are included. A UKAS calibration is available on request.

SPECIFICATION

- Uncertainty of Measurement better than 0.045% of reading.
- Female 1" Square Drive allows a selection of precision Male-Male adapters to be used as required (see table below)
- Cable, hooks and precision weight pans included.
- Designed to be used with kg weights.
- UKAS calibration available on request.



Pedestal Available Separately

DIMENSIONS

Useable Arc: 8 degrees
For adequate clearance, use pedestal of 1.2m

Model: UCB-	3022	3023	3024	3025
Maximum Torque:	1500Nm	500Nm	50Nm	1000Lbf.Ft
Diameter:	2039mm	1019mm	510mm	1219mm
Height:	500mm	150mm	130mm	310mm

Precision Torque Adapter:	Size:
CM177	1" M SQ to 1" M SQ
CM178	1" M SQ to 3/4" M SQ
CM179	1" M SQ to 1/2" M SQ
CM180	1" M SQ to 3/8" M SQ
CM181	1" M SQ to 1/4" M SQ

Advanced Witness Systems Ltd © 2024

Data was correct at time of publication.
Catalogue Page 51

2Nm UNSUPPORTED CALIBRATION WHEEL



DESCRIPTION

The AWS LTD 2Nm Unsupported Calibration Wheel is designed for calibration of torque measuring devices from 0.04Nm - 2 Nm using the principle of weights/beams at a known distance. The wheel includes a precision drive machined into the boss to fit a wide range of devices to be calibrated. The boss is easily interchangeable if an alternative drive size is required. The calibration wheel uses kg and g masses. Precision weight pans and counterweight set; cables; suspension hooks and a robust carry case are included. A UKAS calibration is available on request.

SPECIFICATION

- Uncertainty of Measurement better than 0.045% of reading.
- Both 1/4" Square and 1/4" Hex drive as standard for calibration of a wide range of torque measuring devices.
- Cable, hooks and precision weight pan and counterweight set included.
- Designed to be used with kg and g weights.
- Easily interchangeable boss for alternative drive sizes.
- UKAS calibration available on request.
- Precision masses available (See page 53).



DIMENSIONS

Overall Diameter: 104mm

Thickness: 10mm across boss

Length of cable: approximately 400mm per side

Model: UCB-	3029
Maximum Torque:	2.5Nm
Diameter:	104mm

Advanced Witness Systems Ltd © 2024

MANUFACTURER INFORMATION

Advanced Witness Systems Ltd
Unit 8
Beaumont Business Centre
Beaumont Close
Banbury
OX16 1TN
Tel: +44 (0)1295 266939
Email: sales@awstorque.co.uk

SUPPLIER INFORMATION

WEIGHTS SET FOR 2Nm UNSUPPORTED CALIBRATION WHEEL



Product images are for illustrative purposes only and may differ from the actual product.

DESCRIPTION

AWS can provide a set of 15 precision brass weights for calibrations up to 2Nm. A calibration certificate is included and the weights are supplied in a robust carry case. Additionally, a UKAS calibration is available on request.

SPECIFICATION

- Metric kg and g weights.
- M1 Tolerance weights set as standard.
- Other Tolerances available on request.
- Robust carry case included.
- UKAS calibration available on request.

Table of weights provided

Mass	Quantity	Mass	Quantity
1g	1	100g	1
2g	2	200g	2
5g	1	500g	1
10g	1	1kg	1
20g	2	2kg	2
50g	1		



Product images are for illustrative purposes only and may differ from the actual product.

MORE INFORMATION ON OUR PRODUCT RANGE IS AVAILABLE IN SEPARATE DATA SHEETS ON THE AWS WEBSITE [WWW.AWSTORQUE.CO.UK](http://www.awstorque.co.uk).

Advanced Witness Systems Ltd © 2024

MANUFACTURER INFORMATION

Advanced Witness Systems Ltd
Unit 8
Beaumont Business Centre
Beaumont Close
Banbury
OX16 1TN
Tel: +44 (0)1295 266939
Email: sales@awstorque.co.uk

SUPPLIER INFORMATION