



# FREEDOM index table

up to 40% more efficient portable arm measurement

- ✓ **Productivity** – access all around the part using one set-up
- ✓ **Extra Volume** – measure parts larger than the arm's reach
- ✓ **Accuracy** – metrology-grade table and calibrated worktop
- ✓ **Fixings** – integrated part clamping magnets and threaded fixture holes
- ✓ **Ergonomic** – eliminates user fatigue from overreaching
- ✓ **Portable** – cableless set-up, does not require power
- ✓ **Universal** – compatible with all brands of portable measuring arm



Typical applications that benefit from an additional rotary axis include the measurement and scanning of 3D parts characterised by symmetrical, recurring or internal geometry.

## Access all around the part using just one set-up

By enabling the part to be manually rotated during measurement and scanning, the FREEDOM INDEX TABLE reduces the need to relocate the arm or reach around the part. Due to an increase of the arm's effective measuring volume, objects larger than the reach of the arm can be measured using one set-up. With no cables to connect, this completely portable solution integrates seamlessly with any brand of measuring arm.

Contact us now to book your demonstration

[www.LKmetrology.com](http://www.LKmetrology.com)

# TECHNICAL DETAILS

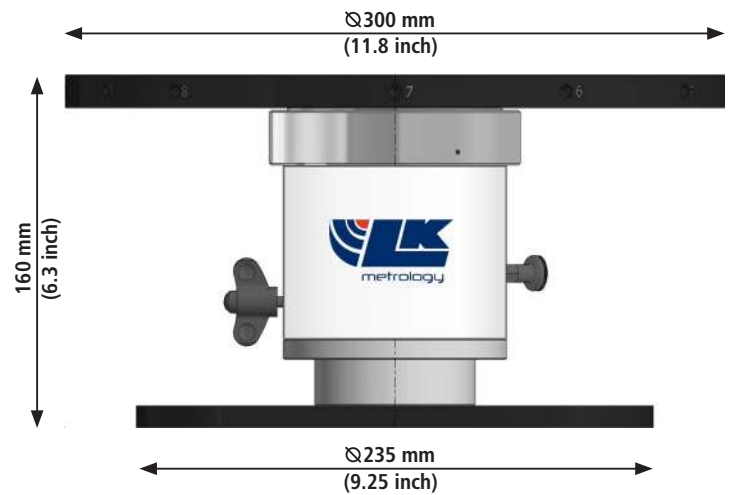
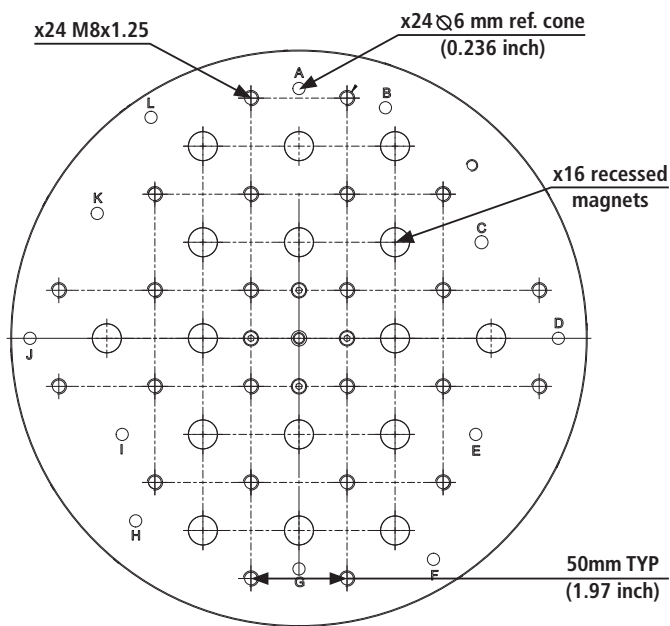
The FREEDOM INDEX TABLE can be securely attached to a workbench using the universal mounting plate provided, or mounted on a tripod using the optional 3½"-8 mounting ring set.

Parts and qualification spheres can be fixed to the tabletop using the integrated magnets or fixtured using the M8 threaded holes and optional 108-piece fixture kit.

Calibrated reference cones, precision machined into the tabletop and circumference, are used to update the software coordinate system after the table has been rotated. The cones are alphanumeric labelled to assist users with follow-on inspections and repeat set-ups.



## DIMENSIONS



## SPECIFICATIONS

<b>Axial Runout*</b>	0.001 mm (0.00004 inch)
<b>Radial Runout*</b>	0.001 mm (0.00004 inch)
<b>Rotation Runout *</b>	0.005 mm (0.00002 inch)
<b>Coning of Axis *</b>	±0.5 arc seconds
<b>Maximum Vertical Load</b>	100 kg (220 lb)
<b>Range</b>	±360°
<b>Lock Positions</b>	Infinite via thumb screw
<b>Index Positions</b>	12 x 30° via index plunger
<b>Rotation Torque</b>	0.1 Nm (0.074 lb-ft)
<b>Weight</b>	5 kg (11 lb)

\* FREEDOM INDEX TABLE mechanical specification only. Do not use as the arm and index table system accuracy specification.



Index Table Kit



3½"-8 Mounting Ring Set (available separately)



108-Piece Fixture Kit (available separately)

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