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Auger Hawk

Wireless Torque Monitoring System for Helical Screw Pile Installation

PRODUCT OVERVIEW

MADE IN BRITAIN®

PRECISION. DATA. INNOVATION.

Auger Hawk

Wireless Torque Monitoring System for Helical Screw Pile Installation

Auger Hawk is a range of wireless torque monitoring systems built to support foundation pile installation. Backed by decades of field performance, Auger Hawk combines highly-accurate sensors with simple installation and rugged build quality, making it the trusted choice for consistent, code-compliant foundation work.

When paired with **Datum Link**, our application for iOS, Android, and Windows, Auger Hawk delivers live installation data such as Torque, Thrust, RPM, Angle and Rotations directly to your device.

Featuring a streamlined modern interface, intuitive log management, and PDF report generation, Auger Hawk and Datum Link provide a robust, convenient solution for verifying installation torque.

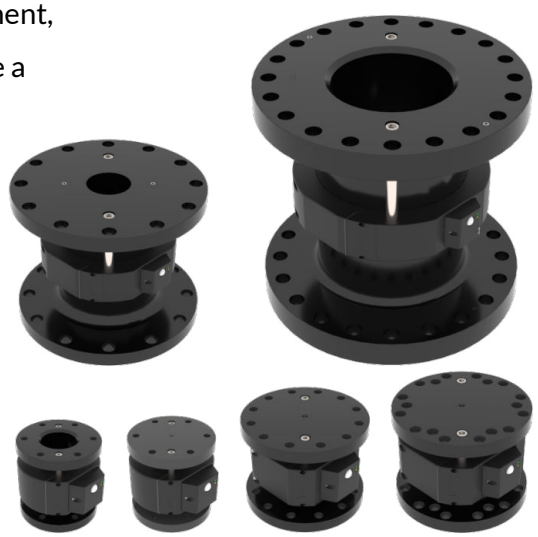


Image Credit – Solidity Pty. Ltd

Features & Benefits

Torque Measurement

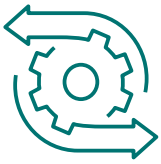
Accurate torque data gives the operator clear confirmation of pile integrity and installation quality.

Thrust Measurement

Measuring thrust helps the operator maintain smooth pile insertion and minimise the risk of damage to the pile or drive motor as ground conditions change.

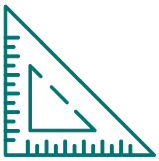
RPM Measurement

Monitoring RPM helps the operator maintain consistent installation speed and identify changes in ground resistance before they cause issues.



Rotation Count

Tracking rotation count helps the operator confirm that each pile reaches the required rotations for proper embedment and code-compliant installation.



Angle Measurement

Angle measurement helps the operator maintain correct pile alignment, reducing the risk of off-axis installation and ensuring structural performance.

Manual Depth Counter

Using Datum Link's manual depth counter, the user can add pile depth data to the active job for its inclusion in graphs and exported log files.

GPS Location

Datum Link supports adding the connected device's own GPS coordinates to the active log data file, supporting project documentation.

Data Logging & Reporting

Auger Hawk measures and transmits data to the Datum Link app on the connected device for live monitoring, log file management, and report generation.

Datum Link

Install, Connect, Monitor

Download on the App Store

GET IT ON Google Play

Get it from Microsoft

Now available for iOS, Android, and Windows devices, Datum Link provides seamless access to data from the Auger Hawk including:

- **Torque**
- **Thrust**
- **RPM**
- **Rotations**
- **Angle**
- **Depth**
- **GPS Location**

Want to learn more?

Visit datum-electronics.com/datum-link

Image Credit - MRL Enterprises Ltd

Technical Specifications

Model	AH1	AH2	AH3	AH4	AH5	AH6	Unit
Max Torque	8,000 (5,900)	16,270 (12,000)	43,386 (32,000)	90,840 (67,000)	352,513 (260,000)	578,934 (427,000)	N·m (lbf·ft)
Height	170 (6.69)	170 (6.69)	173.5 (6.83)	188.5 (7.42)	350 (13.78)	450 (17.72)	mm (in)
Flange Diameter	166 (6.54)	166 (6.54)	228.6 (9)	247.7 (9.75)	445 (17.52)	525 (20.67)	mm (in)
Flange Thickness	20 (0.79)	20 (0.79)	22 (0.87)	25 (0.98)	35 (1.38)	50 (1.97)	mm (in)
Internal Diameter	70 (2.76)	Solid	Solid	Solid	101.6 (4)	232 (9.13)	mm (in)
Hole Pattern[1]	6 x 13.5 (6 x 0.53)	6 x 13.5 (6 x 0.53)	12 x 16.2 (12 x 0.64)	12 x 20 (12 x 0.79) 6 x 20 (6 x 0.79)	12 x 31 (12 x 1.22)	20 x 31 (20 x 1.22)	mm (in)
Pitch Circle Diameter[1]	133.4 (5.25)	133.4 (5.25)	193.7 (7.63)	219.1 (8.63)	395 (15.55)	463.5 (18.25)	mm (in)
Thrust Rating	147 (33)						kN (kip)
Non-linearity	±0.25						%FSD
Operating Range	-30 to 60 (-22 to 140)						°C (°F)
Operating Voltage	6						V
Data Output Rate	10						SPS

[1] For more information or to discuss your bespoke requirements - speak to our team.

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