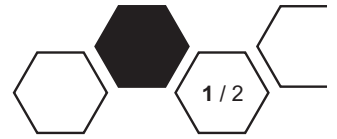


DSH 16 – for very small torques from 5 Ncm up to 50 Ncm



The miniaturisation of many products is a particular challenge in manufacturing – especially in the process-safe assembly. We therefore have developed the DSH 16 nutrunner for very low torques. The DSH 16 may be used for hand-guided operation as well as for automated processes. Equipped with a high accuracy torque transducer – in combination with a DSM control system and the variability of our tightening procedures – you have a high-performance system for safety and quality-critical screw connections.



Luminous field
integrated status report

Ergonomic handle



Motor-gear combination

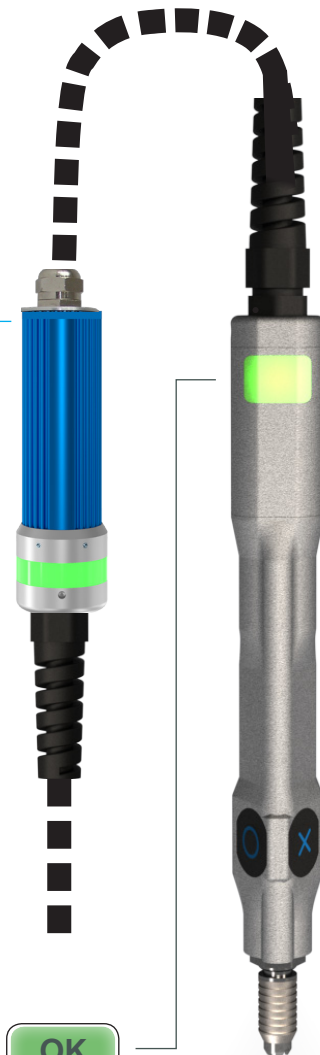
electronically controlled, speed continuous adjustable, clockwise / counterclockwise run

Headlight for illumination of the application

Output version / Output feature

EC converter

Fast system integration and error-free setup. The decentralised intelligence transmits the characteristic data via Plug-an-Play.



Connection

Motor, power supply, electrical control / regulation of the servo motor, monitoring of the drive

Air supply (low pressure connection), by use with vacuum screw holder, working pressure 6 bar in connection with Venturi vacuum nozzle or vacuum pump

Measuring unit

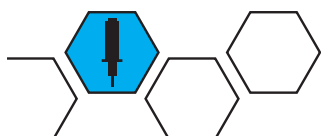
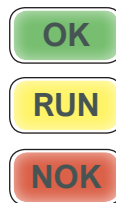
Torque measurement / torque control via digital torque transducer
Rotation angle measurement / rotation angle control via motor sensoric

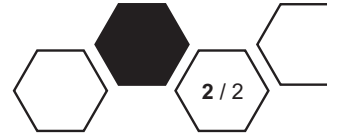
Freely configurable operating keys

for left- and right handed use

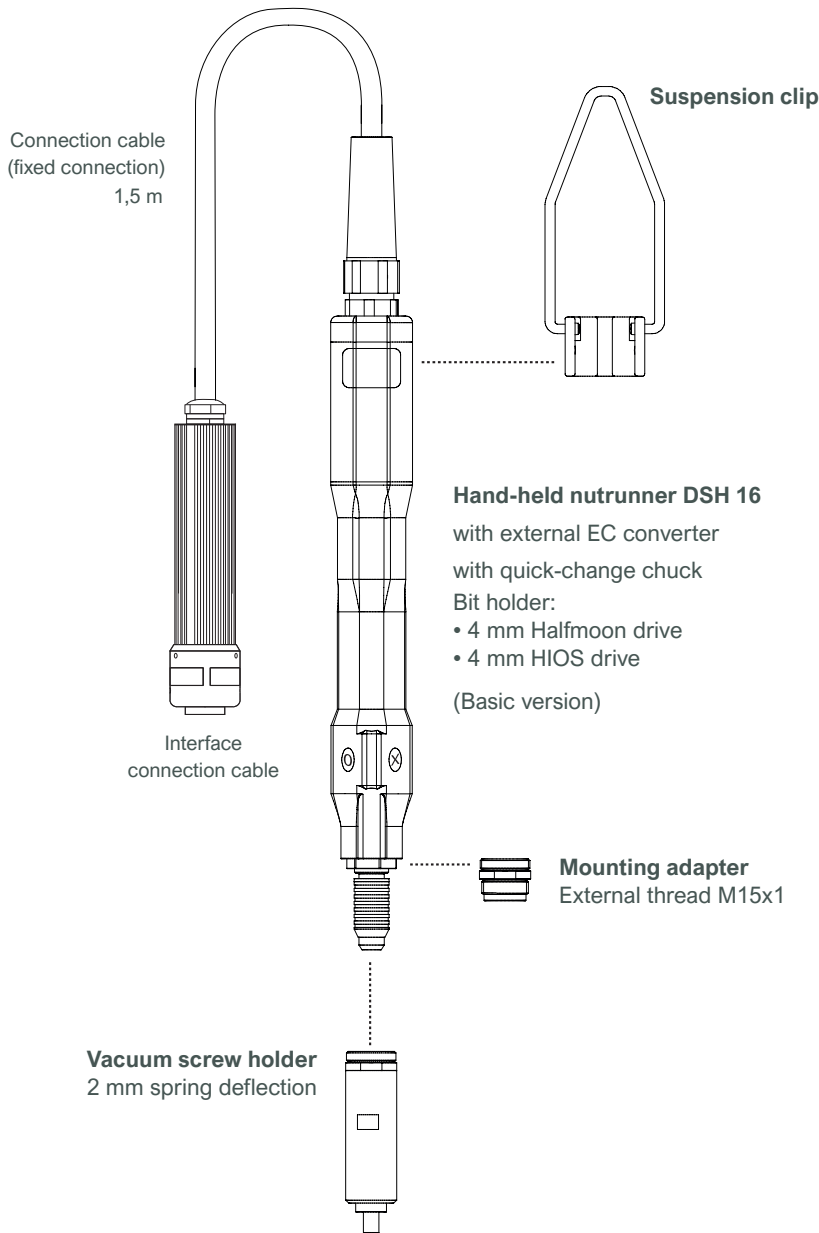
Program switch, enables the switchover from the currently pre-selected program to the alternative program

Start, starts the pre-selected program





DSH 16 Combination possibilities



Dimensions and weight

Length: 195 mm
Width: 24 mm
Weight: 125 g



Type	DSH 16 / 0025 MDW	DSH 16 / 005 MDW
TQ max.	0,25 Nm	0,5 Nm
Torque accuracy	± 0,5% *	± 0,5% *
Angle resolution	0,89°	0,89°
Max. speed	450 1/min	450 1/min
Recommended range of use	from 0,05 Nm up to 0,25 Nm	from 0,1 Nm up to 0,5 Nm
Article number	DSH-2160025	DSH-2160005

*) related of the final value; torque tolerance better 5% according to ISO 5393

