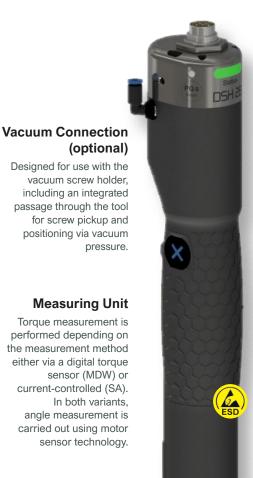
# DSH 28 — Precise and Versatile Nutrunner for Manual Assembly and Automation.

The DSH 28 series is a versatile range of electric nutrunners that stand out for their high precision in the torque range of 0.1 to 5 Nm.

The DSH 28 is suitable for a wide range of applications – from a manual nutrunner, a hand-held nutrunner in handling systems, to an integrated nutrunner in automated processes.

Equipped with a highly accurate torque sensor, the DSM control system, and a wide range of tightening processes and functions, the DSH 28 ensures reliable and high-quality screw connections, even in safety-critical applications. It is also ideally suited for testing and measurement applications.

With various equipment options, the DSH 28 is fully prepared to meet the requirements of your industrial applications.



The display field shows the tightening status, with LEDs for the active program "PG S" or "PG A".

### **Motor-Gearbox** Combination

Electronically controlled, continuously adjustable speed, forward and reverse rotation.

## **Ergonomic** Handle

Comfortable design with honeycomb pattern for optimal grip. Includes a start button and two configurable control buttons for operational tasks.

Made from 75% ABS and 25% carbon fiber. reliably dissipates electrostatic discharge to protect sensitive components.

### **LED Illumination for** the Work Area

Three modes - On, Off, and Auto - for flexible lighting of the workspace.



O Program

✓ Defined

output

on/off

(e.g. for

vacuum)

button "O"

switching (PGs/PGA

**Configurable Control Buttons** 

Start Button

(starts the active

program)



Alternative program is active

Program

switching

Defined

output

on/off

(e.g. for

locking)

button "X"

(PG s / PG A)

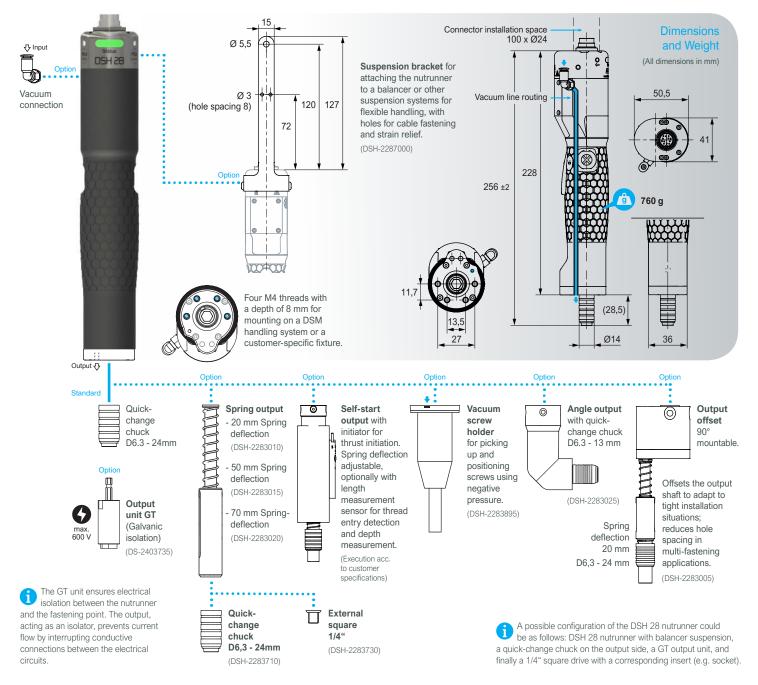
## **ESD-Compliant** Housing

# Vakuum Connection Input I FDs 5000K Neutral white

## Output

Various versions and combinations available for different applications. More details and illustrations can be found on page 2 of the data sheet.

# **D5H28 - Versions & Combination Options**



## DSH 28 MDW with torque sensor | DSH 28 SA without torque sensor (current controlled)

Туре	Rated torque	Max. torque	Application area	Max. speed	Angle resolution	Article number
DSH 28 / 006 MDW	0.5 Nm	0.6 Nm	0.1 - 0.6 Nm	1330 rpm	3.5 °	DSH-2280006
DSH 28 / 006 SA	0.5 Nm	0.6 Nm	0.1 - 0.6 Nm	1610 rpm	4.2 °	DSH-2281006
DSH 28 / 012 MDW	1.0 Nm	1.2 Nm	0.2 - 1.2 Nm	1330 rpm	3.5 °	DSH-2280012
DSH 28 / 012 SA	1.0 Nm	1.2 Nm	0.2 - 1.2 Nm	1610 rpm	4.2 °	DSH-2281012
DSH 28 / 022 MDW	2.0 Nm	2.2 Nm	0.4 - 2.2 Nm	965 rpm	2.5 °	DSH-2280022
DSH 28 / 022 SA	2.0 Nm	2.2 Nm	0.4 - 2.2 Nm	910 rpm	2.4 °	DSH-2281022
DSH 28 / 05 MDW	4.5 Nm	5.0 Nm	0.9 - 5.0 Nm	370 rpm	1.0 °	DSH-2280050
DSH 28 / 05 SA	4.5 Nm	5.0 Nm	0.9 - 5.0 Nm	370 rpm	1.0 °	DSH-2281050

MDW: Torque accuracy 0.5%, torque tolerance better than 5% according to ISO 5393 / "Angle output" version torque tolerance better than 8% according to ISO 5393.

**SA:** The torque accuracy depends on the adjustment of the nutrunner.

