DATA SHEET

28.09.2023 17:31

Torque adapter

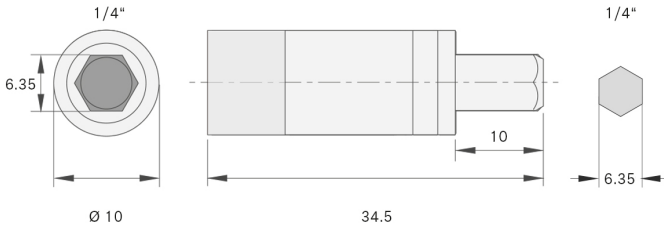
0.1 Nm for 1/4 inch bits (narrow version)

Item No. 4-991-01

Precise and accurate for at least 20.000 clicks

Specification

Preset torque, tolerance +/-10%
Tightening torque 0.1 Nm / 1.0 Kgfcm / 0.9 in-lb
Bit magnetic holder 1/4 inch hexagon 6.35 mm (DIN 3126)
Drive 1/4 hex shank 6.35 mm (DIN 3126)
Material alloyed steel
Adapter Ø 10 mm (narrow version)
adapter length 24.5 mm (without shank)
Length 34.5 mm
Weight 15 g



Application and technology

Turn your ¼ inch bit and a holder into your perfect torque tool. These small torque values are preset in the adapter and can be clamped between any standard holding tool and a bit. The click sound indicates when the torque is reached. The adapter cannot be overtorqued. When loosening the screw, there is no torque unlocking (due to the blocked core shaft), thus no additional loosening tool is required (30% higher torque when loosening). The adapter is primarily suitable for manual operation. In conjunction with power tools, we recommend a max. speed of 100 rpm, with minimum click repetition.

The adapters are tested according to DIN EN ISO 6789 (manually operated torque screwdriving tools) and have a tolerance of ± 10% for at least 20,000 clicks. The torque value should be checked regularly by the user via a torque meter. The adapter functions by locking the ratchet, the torque in the bushing sleeve. The patented system also consists of a hollow shaft and a damping cylinder. The core shaft is able to move the mobile ratchet. The damping cylinder has a slot to allow the spacer sleeve to slide on the core shaft. When the applied torque exceeds the preset torque, the core shaft becomes inactive. This means that when the torque requirement is reached, the continuous tension is no longer increased, so also on the screw to be tightened.