

PSD 43 - Shaft 8 mm hollow

- Software features: spindle compensation drive, increased breakaway performance, synchronized run
- Software modules for IO-Link: changeover of parameter set, target speed in process data and modulo function
- Protection of internal electronics against manual operation
- Space-saving, compact design
- Galvanically separated supply voltages between control and motor and bus
- Precise position feedback thanks to an absolute measurement system without battery
- Optional gearbox for more torque
- Address may be set using the bus or an address switch (not for IO-Link)
- Status LEDs visible from the outside



Self-holding torque below at approx. 100 mA supply current and 1,2 A phase current, currentless 0 Nm.

Dimensions in mm.

See link Manual(s) for documentation and software.

Contact us for CAD-files.

Type: Vertical

Nominal Torque (Nm): 2

Nominal Speed (rpm): 200

Nominal Voltage (V DC): 24 ($\pm 10\%$)

Nominal Current (A): 4.0

Output Shaft (mm): 8

Output Shaft Type: Hollow

Rotation Shaft / Housing: Direct or 0°; 90°; 180°; 270°

BUS Communication: Can Open (CA); IO-Link (IO); ProfiNet (PN); EtherCat (EC); Ethernet IP (EI)

Electrical connection: 0: Standard

Protection Class: IP50; IP65

Motor: Stepper motor

Supply Voltage: 24 V DC $\pm 10\%$ galvanically separated between motor and control

Measurement System: Absolute without battery

Accuracy: " $\pm 0.7^\circ$ for versions with gearbox; $\pm 1.8^\circ$ for versions without gearbox"

Intermittence: Start-up duration up to 30%

Manual Adjustment: No

Brake: No

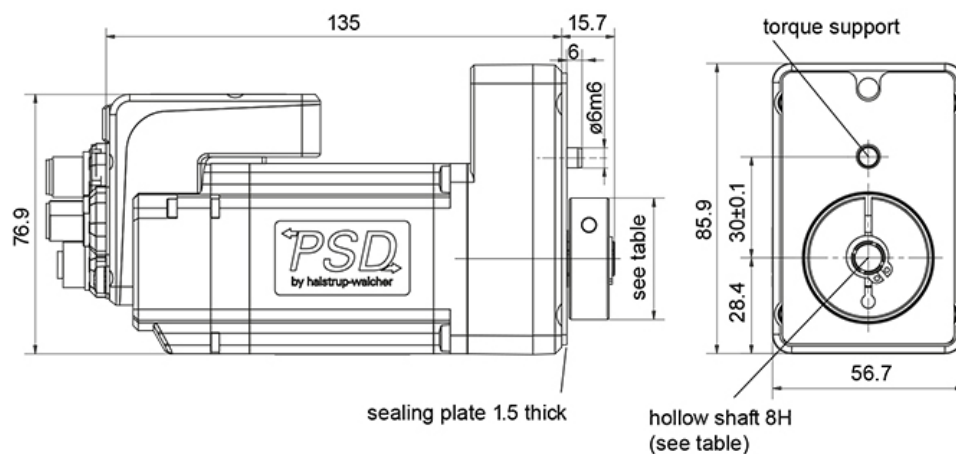
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Performance Curve - Direct Drives PSD



General Data

PSD 432-8H (hollow shaft, 2 Nm)



| Hollow shaft | Tolerance | Plug depth | Ø Clamp ring | Cylinder screw |
|--------------|-----------|------------|--------------|-----------------|
| Ø8* | H9 | 20 | 36 | DIN 912 M4 x 16 |

* only up to 5 Nm possible

| Designation | Nominal Torque (Nm) | Nominal Speed (rpm) | Nominal Current (A) | Self-holding Torque (Nm) | Max. Speed (rpm) |
|-------------|---------------------|---------------------|---------------------|--------------------------|------------------|
| PSD 432-8H | 2 | 200 | 4.0 | 1 | 500 |

| Designation | Positioning Range (rot.) |
|-------------|--------------------------|
| PSD 432-8H | 4026 |