

MOTOX Geared Motors

Worm geared motors

Orientation

Overview



The worm gearbox series S is designed for different mechanical engineering tasks for the lower torque range. Thanks to the small dimensions and low weight, the products are suitable for a wide range of different applications.

The compact MOTOX S worm gearboxes have worm gear teeth that are characterized by particularly low-noise operating characteristics at high levels of efficiency. The mounting position and the position of the output shafts can be freely selected. At the output, solid shafts and hollow shafts are available as alternatives. The gearbox housings have a centering edge at both output sides by default. They can also be secured with a flange or torque arm. Foot mounting is possible on three sides.

The worm gearboxes of the S series are single-stage worm gearboxes. The worm toothing has been manufactured in accordance with the latest technical know-how and is based on the worm form ZK, whereby the best gliding properties are achieved using worm gears made of high-quality bronze and worm shafts made of steel. The worm shafts undergo additional grinding to ensure that the gearbox performs its task with as little noise and as few losses as possible. The highly stable and light cast-metal housings are made from high-quality aluminum alloy. This means that the gearboxes have low surface temperatures.

The gear teeth and the rolling-contact bearings are lubricated with synthetic lubricant in all of the types of construction. The oil fill level is optimized for every mounting angle and the gearbox can be operated as required in any mounting angle. The gearboxes are permanently lubricated, an oil change is not required. No oil control or drain plugs are required.

Worm gearboxes S are designated as follows:

Gearbox type:

S Worm gearbox

Transmission stage (-) Unspecified

Type:

Shaft

- (-) Solid shaft
 - With one shaft extension (position A or B)
 - With two shaft extensions (pos. AB)

A Hollow shaft

Mounting

- (-) Foot-mounted design
- F** Flange-mounted design (A-type)
- Z** Housing flange (C-type), on both sides
- D** Torque arm

Input unit:

K4 Short coupling lantern with clamp connection for connecting an IEC motor

Example:

S F 08 - K4 (71)

Gearbox type

Type

Size

Input unit

(for motor size)