



GEIGER
Bevel gears
444F... and 446F...

Product Datasheet



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**GEIGER bevel gears 444F... and 446F... –
with reversible direction of rotation for left and right installation!**

The bevel gears of the GEIGER series 444F... and 446F... have proven their reliability millions of times. Now these successful series have been updated with a very sophisticated design. Thanks to a built-in function switching over the rotation direction, each gear can be installed in the future either on the left-hand side or the right-hand side of the window: An innovative solution that has been patented and that greatly facilitates the assembly.

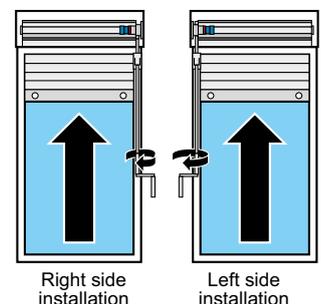
Benefits and advantages

It is very easy to change the rotation direction of the bevel gear. The elaborated mechanism requires neither a complicated conversion nor any tool.

A reliable lock prevents accidental switching. Since the gear has a continuous interior profile at the drive, the rotation direction of the crank rod remains the same on each installation side.

The mechanical inner workings of the gear is almost unchanged, all previous advantages such as fast operation , free wheel clutch or long life time are preserved.

Same direction of rotation



For gears pre-set for right fitting, turn tube drive to the right ...



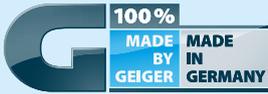
... until the latching elements of the overrun clutch are released and the switch mechanism is free.



Turn switch mechanism to the left until it stops ...



... and turn tube drive to the left until the latching elements of the overrun clutch snap into place.



Made by GEIGER

GEIGER relies on Germany as production location: The GEIGER bevel gears, like all GEIGER products, are designed and produced in Bietigheim-Bissingen.

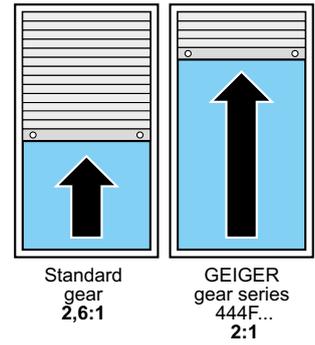
This situation allows an optimal combination of R & D, manufacturing processes and quality management.

Proven functionalities

Fast operation

The ratios 2:1 or 3:1 are extremely user-friendly: fast and easy opening/closing of the curtain.

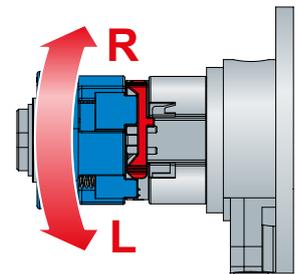
Fast operation



Tool free switching

No tools required ! Fast and easy switching of the rotation direction.

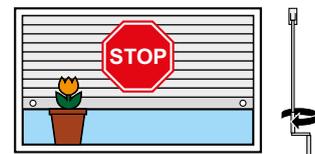
Tool free switching



Free wheel clutch

If the curtain runs against the window sill or any obstacle: The GEIGER freewheel clutch triggers reliably. This system offers complete safety while lowering the number of unnecessary customer service calls.

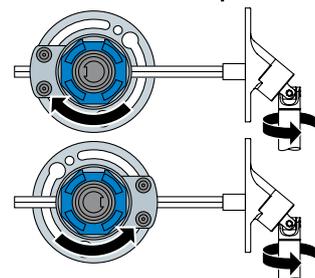
Free wheel clutch



Continuous interior profile at the drive

If the curtain runs against the window sill or any obstacle: the GEIGER freewheel clutch triggers reliably. This system offers complete safety while lowering the number of unnecessary customer service calls.

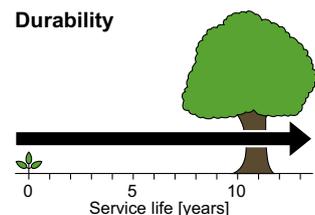
Continuous interior profile



Durability

GEIGER bevel gears are designed to achieve more than 10.000 rotations. This corresponds to a lifetime of over 10 years depending on the frequency of use.

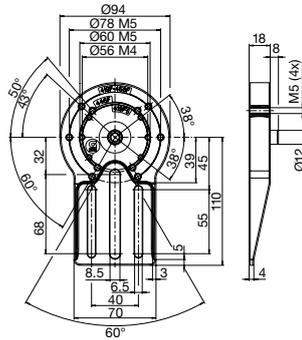
Durability



444F800 | Universal gear holder

Features

- Height adjustable: oblong holes for fixation with stud bolts
- Suitable for gears 444F... and 446F...



Part Nr.	
444F800	

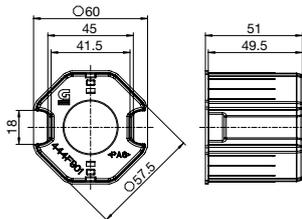
444F90. | Adaptation ring

Features

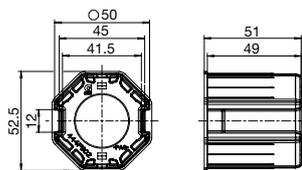
- High-strength plastic
- For the adaptation of the gear output to the shutter shaft
- Suitable for gears 444F..., 446F... and 456F... with output profile 36,7 or 38 mm

Note

- Please note that the torque is modified when using the shaft adapter



Part Nr.	Drive \triangle	Output ∇
444F901	● 38 mm	● 60 mm



Part Nr.	Drive \triangle	Output ∇
444F902	● 38 mm	● 50 mm



The name GEIGER Antriebstechnik is synonymous worldwide for drive solutions in the sun protection area.

Today we are with about 250 employees one of the leading manufacturers of mechanical and electrical drives for Venetian blinds, awnings and rolling shutters. GEIGER is a well-known, mid-sized company which offers worldwide drive components for the sun protection systems.