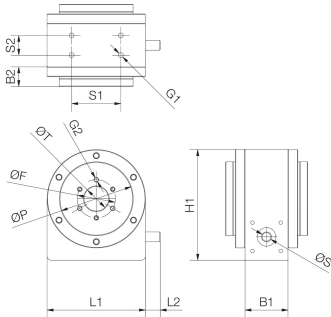
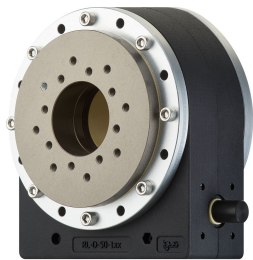


drygear® worm gear PRT, installation size 50,
symmetrical

RL-D-50-101-70-01033



drygear® worm gear PRT, installation size 50,
symmetrical

- Self-locking drive
- Available transmission ratios: 48:1, 70:1
- Slewing ring bearing version for high axial strength
- Symmetrical drive for vertical mounting position
- Suitable [motor kits](#) available
- Dry operation thanks to tribologically optimised polymers

A1	63 mm
H2	32 mm
L1	150 mm
Weight	2804.616 g
S2	8xM6
Backlash	0.5 °
S1	M6
B1	60 mm
B2	21.5 mm
H1	90 mm
L2	13 mm
Ø F	65 mm
Ø P	120 mm
Ø T	50 mm
size	Size 50

Product description

Introducing the drygear® worm gear PRT, installation size 50, symmetrical from igus. This innovative gearbox features a self-locking drive and operates dry, thanks to its high-performance polymers, ensuring maintenance-free functionality. Designed for vertical mounting, it provides an output on both sides, making it ideal for swivelling applications and robotics. Explore compatible motor kits to enhance your setup. Experience reliability and efficiency with the drygear® worm gear, perfect for various applications.

Mechanical properties

Backlash	0.5 °
Efficiency	0.3
Max. axial dynamic load (horizontal installation)	1200 N



General properties

Weight	2804.616 g
size	Size 50
Shipping weight (kg or kg/m)	2.804616
Transmission	70:1

Dimensions

A1	63 mm
H2	32 mm
L1	150 mm
B1	60 mm
B2	21.5 mm
B3	21.5 mm
G1	M6
G2	8xM6
H1	90 mm
L2	13 mm
S1	80 mm
S2	30 mm
Ø F	65 mm
Ø P	120 mm
Ø T	50 mm