

drygear® worm gear BB, installation size 30,
symmetrical

RL-D-30-105-5-010BB



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symmetrical

- Self-locking drive
- Available transmissions: 5:1, 50:1, 70:1
- Ball bearing version for dynamic applications
- Symmetrical output for vertical installation position
- Suitable [motor kits](#) available
- Dry operation thanks to tribologically optimised polymers

Product description

Introducing the drygear® worm gear BB, installation size 30, symmetrical from igus. Designed for versatile applications, this gearbox features a symmetrical output ideal for vertical installation. Crafted from high-performance polymers, it operates dry and maintenance-free. Enjoy self-locking drive capabilities and compatibility with various motor kits. Perfect for swiveling applications in robotics, this gear ensures reliable performance without the need for lubrication.

Mechanical properties

Backlash	0.5 °
Breakaway torque	< 5 cNm
Efficiency	0.65
Max. axial dynamic load (horizontal installation)	450 N
max. axial load (dynamic)	450 N

General properties

Weight	567.905 g
size	Size 30
Shipping weight (kg or kg/m)	0.567905
Transmission	5:1



Dimensions

A1	40 mm
L1	100 mm
B1	45 mm
B2	12.5 mm
G1	M4
G2	8xM4
H1	110.5 mm
L2	12 mm
S1	55 mm
S2	20 mm
Ø F	42.5 mm
Ø P	82 mm
Ø T	30 mm