

RECOMMENDED

CONFIGURABLE

Planetary gearhead GPX 42 Ø42 mm, 2-stage

Ceramic version



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Price scales		
Price per unit	1-4	€238.45*
	5-19	€194.64*
	20-49	€163.82*
	from 50	On request
Prices excluding VAT and shipping costs		
*Configurable products must be configured before ordering. Prices may vary.		
Gears can be purchased only as a component of a combination.		

Start combination

Print specifications

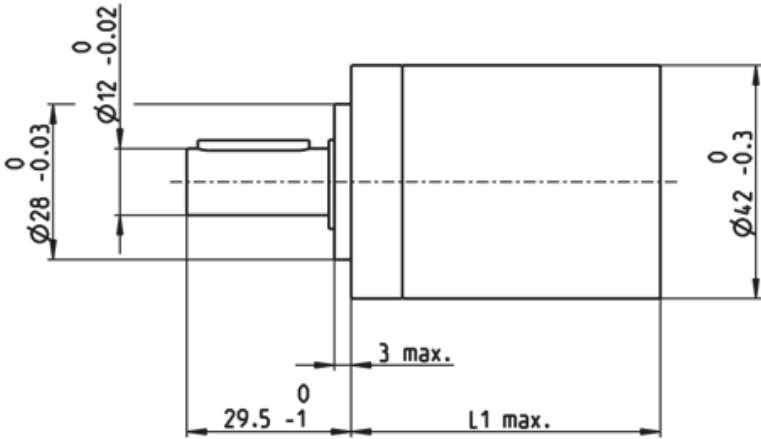
Description

maxon GPX gearheads combine extremely high power transmission with a very short construction. The modular design provides the basis for a customer-specific solution. The gearhead's **ceramic components** make it suitable for applications that require superior torque capacity and durability.

The mechanical interfaces can be **configured**.

Specifications

Technical illustrations



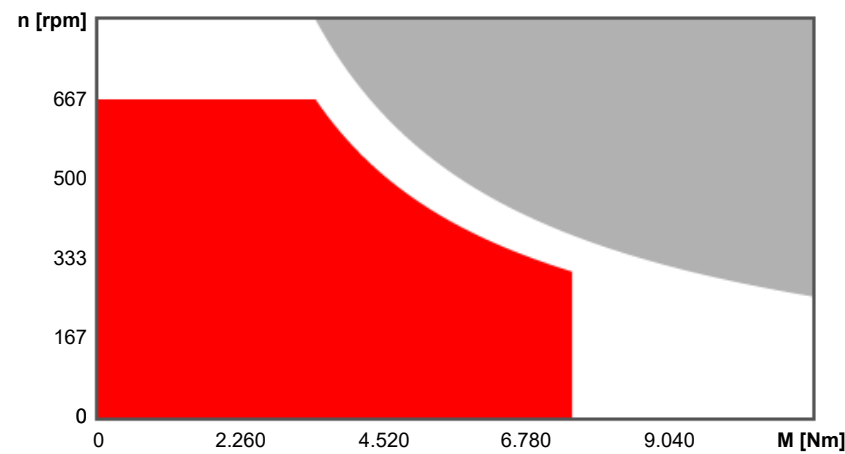
Dimension drawing

Information: Drawings are not to scale.

General information		
	Gearhead type	GPX
	Outer diameter	42 mm
	Version	Ceramic version
Gearhead Data		
	Reduction	12 : 1
	Absolute reduction	49/4
	Number of stages	2
	Max. continuous torque	7.5 Nm
	Max. intermittent torque	11.3 Nm
	Direction of rotation, drive to output	=
	Max. efficiency	81 %
	Average backlash no load	0.8 °
	Mass inertia	5 gcm²

	Gearhead length (L1)	55.5 mm
	Max. transmittable power (continuous)	240 W
	Max. transmittable power (intermittent)	300 W
Technical Data		
	Radial play	max. 0.06 mm, 12 mm from flange
	Axial play	0 - 0.3 mm
	Max. radial load	240 N, 12 mm from flange
	Max. axial load (dynamic)	150 N
	Max. force for press fits	300 N
	Max. continuous input speed	8000 rpm
	Max. intermittent input speed	10000 rpm
	Recommended temperature range	-40...+100 °C
	Number of autoclave cycles	0
Product		
	Weight	360 g

Operating Range



Continuous operation range

Short term operation range

Downloads

- Catalog page**
 - > [Katalogseiten \(deutsch, PDF 223 KB\)](#) Version 2019
 - > [Catalog page \(english, PDF 87 KB\)](#) Version 2018
 - > [カタログページ \(日本語, PDF 71 KB\)](#) Version 2017
- Other**
 - > [Erklärungen zur Terminologie maxon X drives \(deutsch, PDF 40 KB\)](#) Version 2012
 - > [Explanation for Terminology maxon X drives \(english, PDF 38 KB\)](#) Version 2012