

COMPACT  
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MOTOR



GEAR



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PROGRAMS

- ☒ All
- ☐ IDX Programm
- ☐ ECX FLAT Programm

PARAMETER

Power (W)	Ø (mm)	Torque (mNm)
Torque (mNm)	Maximum speed at nominal volta	Nominal power supply voltage
Commanding	Functionality	Brake

Search in category

12345...8

PART NO.	ARTICLE	TECHNICAL DATA				PRICE
		P	M	N <sub>0</sub>	U <sub>N</sub>	
	ECX FLAT 32 L, ø32 mm, brushless, with integrated electronics					€255.36
	ECX FLAT 32 S, ø32 mm, brushless, with integrated electronics					€231.78
	IDX 56 L, □56 mm, brushless, with integrated electronics, CANopen	283 W	960 mNm	6000 rpm	12...48 V	€1,246.59
	IDX 56 L, □56 mm, brushless, with integrated electronics, CANopen	283 W	828 mNm	6000 rpm	12...48 V	€1,246.59
	IDX 56 L, □56 mm, brushless, with integrated electronics, EtherCAT	283 W	960 mNm	6000 rpm	12...48 V	€1,369.64
	IDX 56 L, □56 mm, brushless, with integrated electronics, EtherCAT	283 W	828 mNm	6000 rpm	12...48 V	€1,369.64

IDX 56 L, □56 mm, brushless, with integrated electronics, I/O	283 W	960 mNm	6000 rpm	12...48 V	€1,093.02
IDX 56 L, □56 mm, brushless, with integrated electronics, I/O	400 W	828 mNm	6000 rpm	12...48 V	€1,093.02
IDX 56 M, □56 mm, brushless, with integrated electronics, CANopen	233 W	663 mNm	6000 rpm	12...48 V	€1,177.02
IDX 56 M, □56 mm, brushless, with integrated electronics, CANopen	233 W	558 mNm	6000 rpm	12...48 V	€1,177.02

12345...8

DETAILS

Planetary Gearhead GP 52 C Ø52 mm, 4 - 30 Nm, Ceramic Version | Ceramic Version

Part number 223099



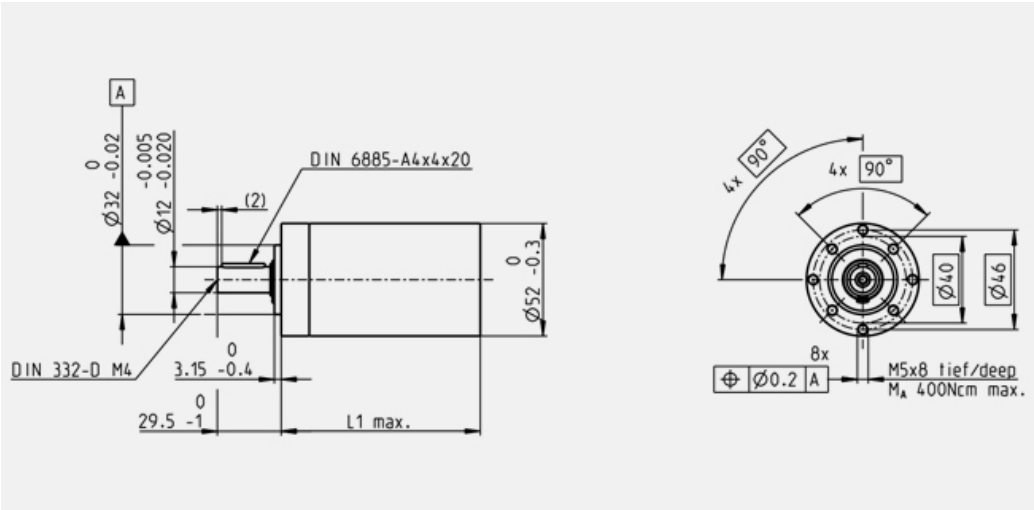
PRICE SCALES	Quantity	Price per unit
Prices excluding VAT and shipping costs	1-4	€487.67
	5-19	€418.83
	20-49	€343.25
	from 50	On request

Gears can be purchased only as a component of a combination.

Start combination

Specifications	Description	Downloads
Specifications		

TECHNICAL ILLUSTRATIONS



Dimension drawing

**Information:** Drawings are not to scale.

GENERAL INFORMATION	
Gearhead type	GP
Outer diameter	52 mm
Version	Ceramic version
GEARHEAD DATA	
Reduction	186 : 1
Absolute reduction	4459/24
Max. motor shaft diameter	10 mm
Number of stages	4
Max. continuous torque	30 Nm
Max. intermittent torque	45 Nm
Direction of rotation, drive to output	=
Max. efficiency	68 %
Average backlash no load	1 °
Mass inertia	17.3 gcm <sup>2</sup>
Gearhead length (L1)	92 mm
Max. transmittable power (continuous)	100 W
Max. transmittable power (intermittent)	150 W
TECHNICAL DATA	
Bearing at output	ball bearing
Radial play	max. 0.06 mm, 12 mm from flange
Axial play	0 - 0.3 mm
Max. radial load	900 N, 12 mm from flange
Max. axial load (dynamic)	200 N
Max. force for press fits	500 N
Max. continuous input speed	6000 rpm

Max. intermittent input speed	6000 rpm
Recommended temperature range	-15...+80 °C
Extended temperature range	-40...+100 °C
Number of autoclave cycles	0
PRODUCT	
Weight	920 g

Description

**Precision spur- and planetary gearheads** matched to maxon motors. Gears are advantageously adapted directly to the desired motors in the delivery plant. The motor pinion is the input gearwheel for the first stage and is rigidly affixed to the motor shaft.

Downloads

3D CAD model (STEP)	
3D CAD model (STEP) (ZIP 100 KB)	Version 2017
CATALOG PAGE	
目录页 (chinesisch, PDF 485 KB)	Version 2020

Videos

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