



Brushed DC Motors – Gear Motors

Brushed DC Motors – Gear Motors

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1638—16MS—

16mm 12V coreless spur gearbox motor



<https://www.kocomotion.de/produkt/1638-16ms/>



Produkte:

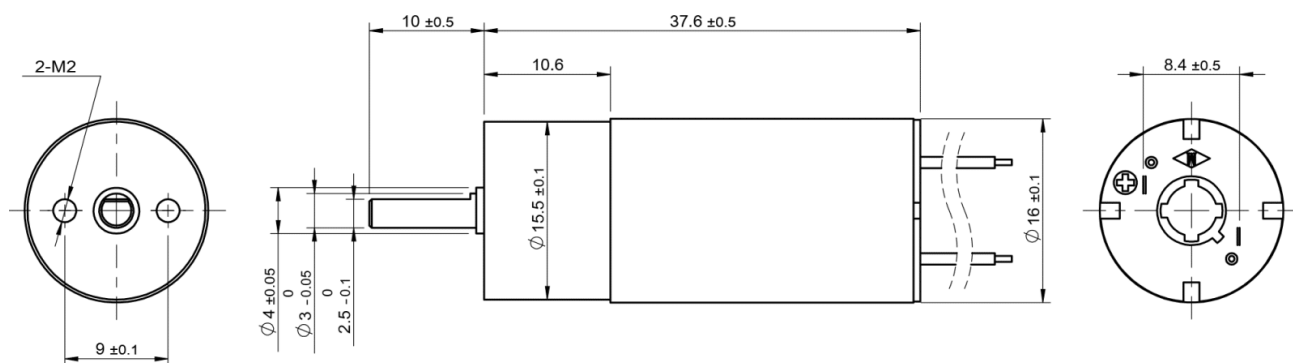
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1638—16MS—1627N5M21-113-12.0

7

1638—16MS—1627N5M27-66-6.0

8



1638—16MS—1627N5M21-113-12.0



16mm 12V coreless spur gearbox motor



<https://www.kocomotion.de/produkt/1638-16ms-1627n5m21-113-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	11.8 Ω
No-load speed	11300 rpm
No-load current	13 mA
Stall torque	10.1 mNm
Stall current	1020 mA
Nominal torque	3.0 mNm
Nominal speed	7940 rpm
Nominal current	310 mA
Max. output power	3.0 W
Max. efficiency	79 %
Back-EMF constant	1.0 mV/rpm
Torque constant	10.0 mNm/A
Speed/torque gradient	1120 rpm/mNm
Rotor inertia	0.6 g·cm ²
Weight	25 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

1638—16MS—1627N5M27-66-6.0



16mm 12V coreless spur gearbox motor



<https://www.kocomotion.de/produkt/1638-16ms-1627n5m27-66-6-0/>

Specification	
Voltage	6.0 A
Terminal resistance	8.2 Ω
No-load speed	6600 rpm
No-load current	11 mA
Stall torque	6.1 mNm
Stall current	730 mA
Nominal torque	1.5 mNm
Nominal speed	4990 rpm
Nominal current	190 mA
Max. output power	1.1 W
Max. efficiency	77 %
Back-EMF constant	0.9 mV/rpm
Torque constant	8.6 mNm/A
Speed/torque gradient	1070 rpm/mNm
Rotor inertia	0.7 g·cm ²
Weight	25 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1630-16MS-

16mm 6V micro DC gearmotor



<https://www.kocomotion.de/produkt/c1630-16ms/>



Produkte:

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C1630-16MS-C1620F13-0032

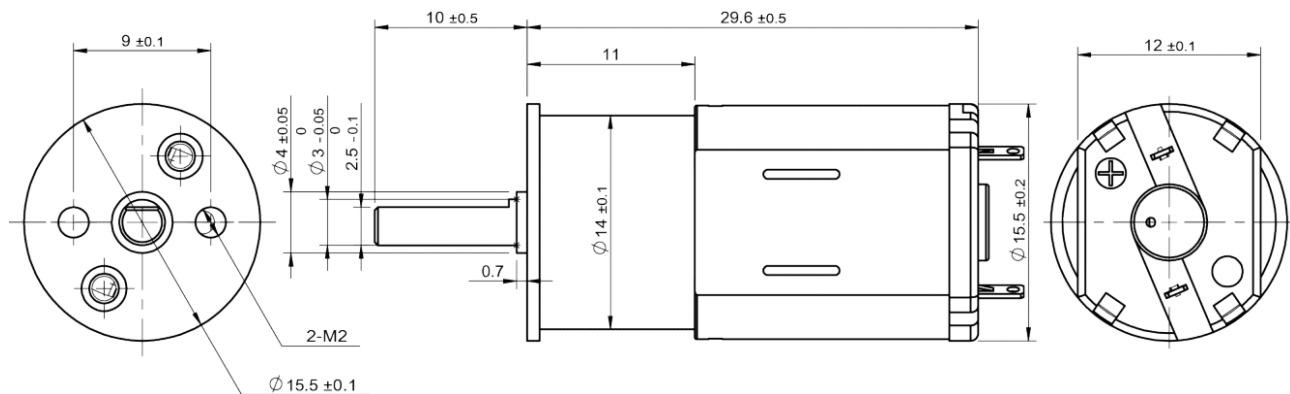
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C1630-16MS-C1627F13-0013

11

C1630-16MS-C1627F13-0050

12



C1630-16MS-C1620F13-0032

16mm 6V micro DC gearmotor



<https://www.kocomotion.de/produkt/c1630-16ms-c1620f13-0032/>



Specification	
Voltage	6.0 V
Terminal resistance	10.3 Ω
No-load speed	11700 rpm
No-load current	51 mA
Stall torque	2.36 mNm
Stall current	580 mA
Nominal torque	2.10 mNm
Nominal speed	1305 rpm
Nominal current	520 mA
Max. output power	0.73 W
Max. efficiency	50 %
Back-EMF constant	0.47 mV/rpm
Torque constant	4.47 mNm/A
Speed/torque gradient	4950 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	10.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1630-16MS-C1627F13-0013

16mm 6V micro DC gearmotor



<https://www.kocomotion.de/produkt/c1630-16ms-c1627f13-0013/>



Specification	
Voltage	12.0 A
Terminal resistance	28.2 Ω
No-load speed	12100 rpm
No-load current	25 mA
Stall torque	3.23 mNm
Stall current	447 mA
Nominal torque	0.88 mNm
Nominal speed	8800 rpm
Nominal current	140 mA
Max. output power	1.02 W
Max. efficiency	49.9 %
Back-EMF constant	0.93 mV/rpm
Torque constant	7.65 mNm/A
Speed/torque gradient	3750 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	10.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1630-16MS-C1627F13-0050

16mm 6V micro DC gearmotor



<https://www.kocomotion.de/produkt/c1630-16ms-c1627f13-0050/>



Specification	
Voltage	4.5 V
Terminal resistance	5.5 Ω
No-load speed	10500 rpm
No-load current	60 mA
Stall torque	2.78 mNm
Stall current	790 mA
Nominal torque	0.686 mNm
Nominal speed	7910 rpm
Nominal current	240 mA
Max. output power	0.77 W
Max. efficiency	52.9 %
Back-EMF constant	0.4 mV/rpm
Torque constant	3.81 mNm/A
Speed/torque gradient	3776 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	10.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1631—14MS—

14mm 6V DC spur gear motor



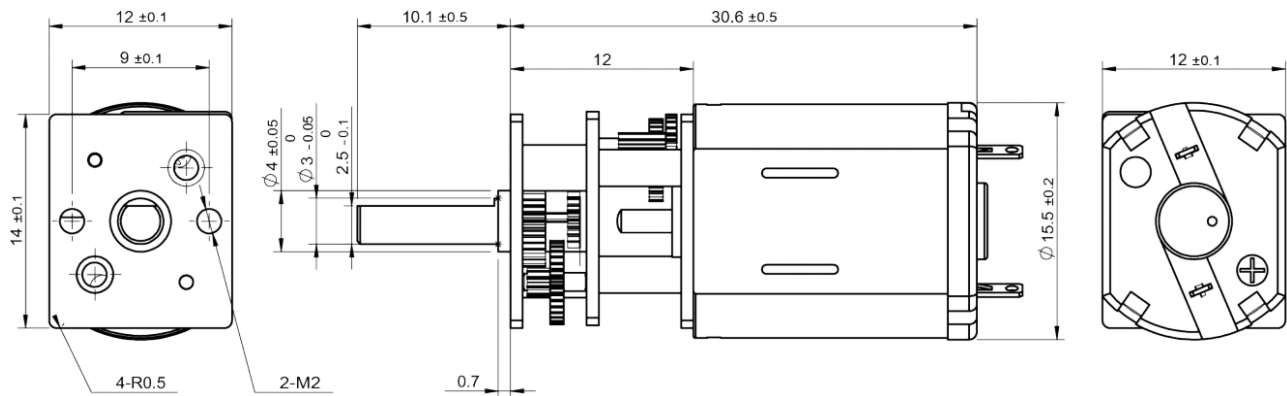
<https://www.kocomotion.de/produkt/c1631-14ms/>



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C1631—14MS—C1620F13-0032

14mm 6V DC spur gear motor



<https://www.kocomotion.de/produkt/c1631-14ms-c1620f13-0032/>



Specification	
Voltage	6.0 V
Terminal resistance	10.3 Ω
No-load speed	11700 rpm
No-load current	51 mA
Stall torque	2.36 mNm
Stall current	580 mA
Nominal torque	2.10 mNm
Nominal speed	1305 rpm
Nominal current	520 mA
Max. output power	0.73 W
Max. efficiency	50 %
Back-EMF constant	0.47 mV/rpm
Torque constant	4.47 mNm/A
Speed/torque gradient	4950 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	10.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1631—14MS—C1627F13-0013

14mm 6V DC spur gear motor



<https://www.kocomotion.de/produkt/c1631-14ms-c1627f13-0013/>



Specification	
Voltage	12.0 A
Terminal resistance	28.2 Ω
No-load speed	12100 rpm
No-load current	25 mA
Stall torque	3.23 mNm
Stall current	447 mA
Nominal torque	0.88 mNm
Nominal speed	8800 rpm
Nominal current	140 mA
Max. output power	1.02 W
Max. efficiency	49.9 %
Back-EMF constant	0.93 mV/rpm
Torque constant	7.65 mNm/A
Speed/torque gradient	3750 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	10.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1631—14MS—C1627F13-0050

14mm 6V DC spur gear motor



<https://www.kocomotion.de/produkt/c1631-14ms-c1627f13-0050/>



Specification	
Voltage	4.5 V
Terminal resistance	5.5 Ω
No-load speed	10500 rpm
No-load current	60 mA
Stall torque	2.78 mNm
Stall current	790 mA
Nominal torque	0.686 mNm
Nominal speed	7910 rpm
Nominal current	240 mA
Max. output power	0.77 W
Max. efficiency	52.9 %
Back-EMF constant	0.4 mV/rpm
Torque constant	3.81 mNm/A
Speed/torque gradient	3776 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	10.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C12**—12MS—C1215F33-0128

12mm 1.5V micro DC spur gearmotor



<https://www.kocomotion.de/produkt/c12-12ms-c1215f33-0128/>



Specification	
Voltage	6.0 V
Terminal resistance	40.0 Ω
No-load speed	8300 rpm
No-load current	25 mA
Stall torque	0.72 mNm
Stall current	150 mA
Nominal torque	0.35 mNm
Nominal speed	4260 rpm
Nominal current	90 mA
Max. output power	0.16 W
Max. efficiency	35 %
Back-EMF constant	0.60 mV/rpm
Torque constant	5.75 mNm/A
Speed/torque gradient	11543 rpm/mNm
Rotor inertia	0.3 g·cm ²
Weight	5.4 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C12**—12MS—C1215F13-0462

12mm 1.5V micro DC spur gearmotor



<https://www.kocomotion.de/produkt/c12-12ms-c1215f13-0462/>



Specification	
Voltage	1.5 A
Terminal resistance	1.2 Ω
No-load speed	11800 rpm
No-load current	100 mA
Stall torque	1.28 mNm
Stall current	1250 mA
Nominal torque	0.60 mNm
Nominal speed	6287 rpm
Nominal current	640 mA
Max. output power	0.40 W
Max. efficiency	51 %
Back-EMF constant	0.12 mV/rpm
Torque constant	1.12 mNm/A
Speed/torque gradient	9188 rpm/mNm
Rotor inertia	0.3 g·cm ²
Weight	5.4 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C16**—13MS—

13mm 6V DC spur gear motor



<https://www.kocomotion.de/produkt/c16-13ms/>



Produkte:

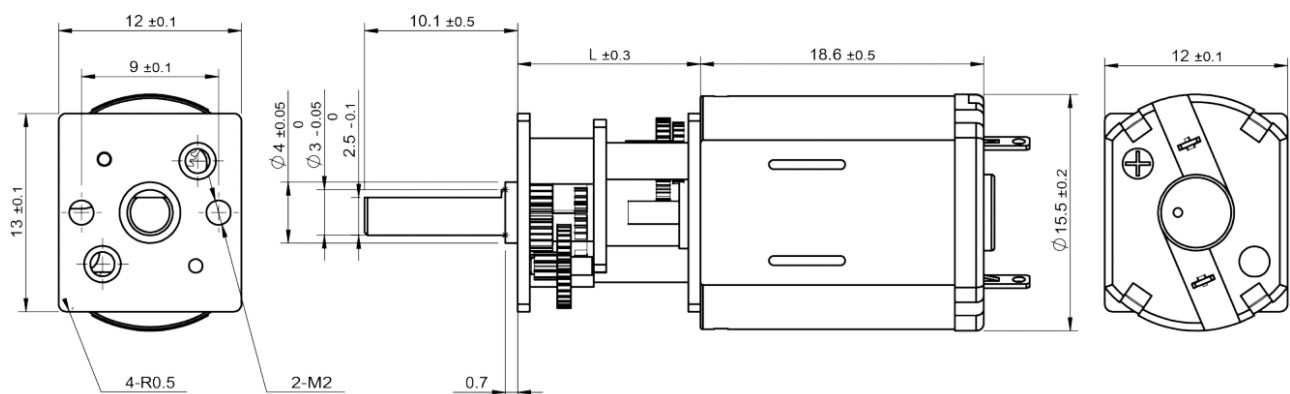
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C16**—13MS—C1620F13-0032

21

C16**—13MS—C1627F34AH-0055

22



C16**—13MS—C1620F13-0032

13mm 6V DC spur gear motor



<https://www.kocomotion.de/produkt/c16-13ms-c1620f13-0032/>



Specification	
Voltage	6.0 V
Terminal resistance	10.3 Ω
No-load speed	11700 rpm
No-load current	51 mA
Stall torque	2.36 mNm
Stall current	580 mA
Nominal torque	2.10 mNm
Nominal speed	1305 rpm
Nominal current	520 mA
Max. output power	0.73 W
Max. efficiency	50 %
Back-EMF constant	0.47 mV/rpm
Torque constant	4.47 mNm/A
Speed/torque gradient	4950 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	11 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C16**—13MS—C1627F34AH-0055

13mm 6V DC spur gear motor



<https://www.kocomotion.de/produkt/c16-13ms-c1627f34ah-0055/>



Specification	
Voltage	6.0 A
Terminal resistance	8.8 Ω
No-load speed	8600 rpm
No-load current	55 mA
Stall torque	3.75 mNm
Stall current	652 mA
Nominal torque	0.79 mNm
Nominal speed	6800 rpm
Nominal current	180 mA
Max. output power	0.85 W
Max. efficiency	51.9 %
Back-EMF constant	0.64 mV/rpm
Torque constant	6.28 mNm/A
Speed/torque gradient	2293 rpm/mNm
Rotor inertia	0.5 g·cm ²
Weight	16.7 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C12**—14MS—

14mm 6V DC spur gearmotor



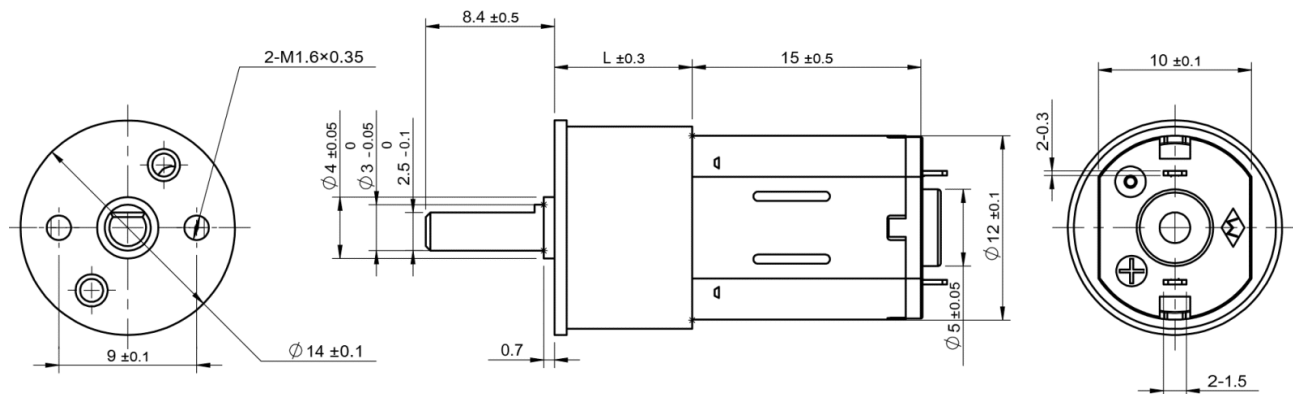
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Produkte:

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C12**—14MS—C1215F33-0128

14mm 6V DC spur gearmotor



<https://www.kocomotion.de/produkt/c12-14ms-c1215f33-0128/>



Specification	
Voltage	6.0 V
Terminal resistance	40.0 Ω
No-load speed	8300 rpm
No-load current	25 mA
Stall torque	0.72 mNm
Stall current	150 mA
Nominal torque	0.35 mNm
Nominal speed	4260 rpm
Nominal current	90 mA
Max. output power	0.16 W
Max. efficiency	35 %
Back-EMF constant	0.60 mV/rpm
Torque constant	5.75 mNm/A
Speed/torque gradient	11543 rpm/mNm
Rotor inertia	0.3 g·cm ²
Weight	5.4 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C12**—14MS—C1215F13-0462

14mm 6V DC spur gearmotor



<https://www.kocomotion.de/produkt/c12-14ms-c1215f13-0462/>



Specification	
Voltage	1.5 A
Terminal resistance	1.2 Ω
No-load speed	11800 rpm
No-load current	100 mA
Stall torque	1.28 mNm
Stall current	1250 mA
Nominal torque	0.60 mNm
Nominal speed	6287 rpm
Nominal current	640 mA
Max. output power	0.40 W
Max. efficiency	51 %
Back-EMF constant	0.12 mV/rpm
Torque constant	1.12 mNm/A
Speed/torque gradient	9188 rpm/mNm
Rotor inertia	0.3 g·cm ²
Weight	5.4 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C12**—14MS—C1215F13-0260

14mm 6V DC spur gearmotor



<https://www.kocomotion.de/produkt/c12-14ms-c1215f13-0260/>



Specification	
Voltage	3.0 V
Terminal resistance	10.8 Ω
No-load speed	9600 rpm
No-load current	40 mA
Stall torque	0.7 mNm
Stall current	274 mA
Nominal torque	0.3 mNm
Nominal speed	5500 rpm
Nominal current	140 mA
Max. output power	0.18 W
Max. efficiency	44.8 %
Back-EMF constant	0.27 mV/rpm
Torque constant	2.99 mNm/A
Speed/torque gradient	13714 rpm/mNm
Rotor inertia	0.3 g·cm ²
Weight	5.4 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

1526—16MS—

16mm 18V coreless motor with spur gearbox



<https://www.kocomotion.de/produkt/1526-16ms/>



Produkte:

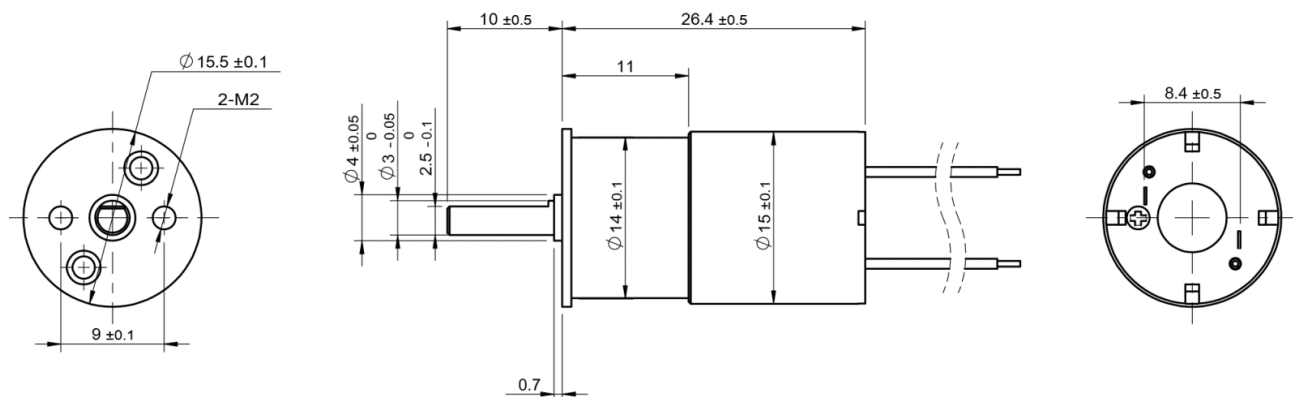
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1526—16MS—1515N5M07-220-18.0

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1526—16MS—1515N5M10-220-12.0

29



1526—16MS—1515N5M07-220-18.0



16mm 18V coreless motor with spur gearbox



<https://www.kocomotion.de/produkt/1526-16ms-1515n5m07-220-18-0/>

Specification	
Voltage	18.0 V
Terminal resistance	30.8 Ω
No-load speed	22000 rpm
No-load current	15 mA
Stall torque	4.3 mNm
Stall current	580 mA
Nominal torque	1.0 mNm
Nominal speed	16890 rpm
Nominal current	150 mA
Max. output power	2.48 W
Max. efficiency	71 %
Back-EMF constant	0.8 mV/rpm
Torque constant	7.6 mNm/A
Speed/torque gradient	5110 rpm/mNm
Rotor inertia	0.21 g·cm ²
Weight	14.2 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

1526-16MS-1515N5M10-220-12.0

16mm 18V coreless motor with spur gearbox



<https://www.kocomotion.de/produkt/1526-16ms-1515n5m10-220-12-0/>



Specification	
Voltage	12.0 A
Terminal resistance	8.1 Ω
No-load speed	24000 rpm
No-load current	50 mA
Stall torque	6.6 mNm
Stall current	1480 mA
Nominal torque	1.5 mNm
Nominal speed	18540 rpm
Nominal current	380 mA
Max. output power	4.15 W
Max. efficiency	67 %
Back-EMF constant	0.5 mV/rpm
Torque constant	4.6 mNm/A
Speed/torque gradient	3640 rpm/mNm
Rotor inertia	0.21 g·cm ²
Weight	14.2 g

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

06**—06*P—

6mm micro DC gear motor



<https://www.kocomotion.de/produkt/06-06p/>



Produkte:

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06**—06*P—0615N5M01-122-3.0

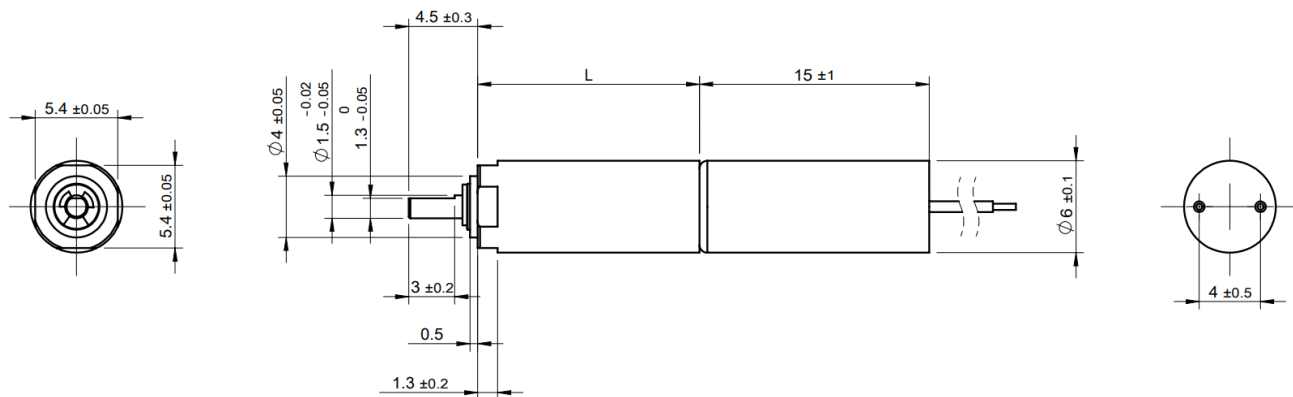
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06**—06*P—0615N5M02-185-3.0

32

06**—06*P—0615N5M03-295-6.0

33



06**-06*P-0615N5M01-122-3.0



6mm micro DC gear motor



<https://www.kocomotion.de/produkt/06-06p-0615n5m01-122-3-0/>

Specification	
Voltage	3.0 V
Terminal resistance	19.0 Ω
No-load speed	12200 rpm
No-load current	10 mA
Stall torque	0.33 mNm
Stall current	160 mA
Nominal torque	0.10 mNm
Nominal speed	8500 rpm
Nominal current	60 mA
Max. output power	0.11 W
Max. efficiency	56 %
Back-EMF constant	0.2 mV/rpm
Torque constant	2.2 mNm/A
Speed/torque gradient	37000 rpm/mNm
Rotor inertia	0.015 g·cm ²
Weight	2.5 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

06**-06*P-0615N5M02-185-3.0



6mm micro DC gear motor



<https://www.kocomotion.de/produkt/06-06p-0615n5m02-185-3-0/>

Specification	
Voltage	3.0 V
Terminal resistance	18.5 Ω
No-load speed	18500 rpm
No-load current	18 mA
Stall current	0.33 mNm
Stall current	160 mA
Nominal torque	0.05 mNm
Nominal speed	13770 rpm
Nominal current	50 mA
Max. output power	0.09 W
Max. efficiency	44 %
Back-EMF constant	0.1 mV/rpm
Torque constant	1.4 mNm/A
Speed/torque gradient	94600 rpm/mNm
Rotor inertia	0.015 g·cm ²
Weight	2.5 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

06**-06*P-0615N5M03-295-6.0



6mm micro DC gear motor



<https://www.kocomotion.de/produkt/06-06p-0615n5m03-295-6-0/>

Specification	
Voltage	6.0 V
Terminal resistance	10.1 Ω
No-load speed	29500 rpm
No-load current	20 mA
Stall current	1.07 mNm
Stall current	590 mA
Nominal torque	0.30 mNm
Nominal speed	21230 rpm
Nominal current	180 mA
Max. output power	0.83 W
Max. efficiency	67 %
Back-EMF constant	0.2 mV/rpm
Torque constant	1.9 mNm/A
Speed/torque gradient	27600 rpm/mNm
Rotor inertia	0.015 g·cm ²
Weight	2.5 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

08**—08*P—

8mm small gear motor



<https://www.kocomotion.de/produkt/08-08p/>



Produkte:

Seite

08**—08*P—0816N5M02-137-4.2

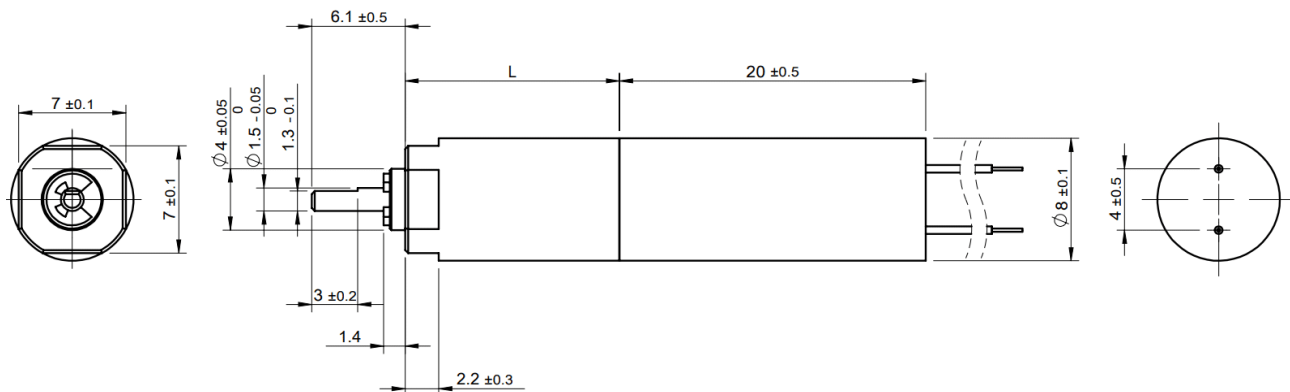
35

08**—08*P—0816N5M11-148-6.0

36

08**—08*P—0816N5M01-155-8.0

37



08**-08*P-0816N5M02-137-4.2



8mm small gear motor



<https://www.kocomotion.de/produkt/08-08p-0816n5m02-137-4-2/>

Specification	
Voltage	4.2 V
Terminal resistance	13.5 Ω
No-load speed	13700 rpm
No-load current	15 mA
Stall torque	0.82 mNm
Stall current	310 mA
Nominal torque	0.25 mNm
Nominal speed	9530 rpm
Nominal current	100 mA
Max. output power	0.30 W
Max. efficiency	61 %
Back-EMF constant	0.3 mV/rpm
Torque constant	2.8 mNm/A
Speed/torque gradient	16700 rpm/mNm
Rotor inertia	0.04 g·cm ²
Weight	3.6 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

08**-08*P-0816N5M11-148-6.0

8mm small gear motor



<https://www.kocomotion.de/produkt/08-08p-0816n5m11-148-6-0/>



Specification	
Voltage	6.0 V
Terminal resistance	25.3 Ω
No-load speed	14800 rpm
No-load current	7 mA
Stall torque	0.88 mNm
Stall current	240 mA
Nominal torque	0.30 mNm
Nominal speed	9730 rpm
Nominal current	90 mA
Max. output power	0.34 W
Max. efficiency	69 %
Back-EMF constant	0.4 mV/rpm
Torque constant	3.8 mNm/A
Speed/torque gradient	16900 rpm/mNm
Rotor inertia	0.04 g·cm ²
Weight	3.6 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

08**-08*P-0816N5M01-155-8.0



8mm small gear motor



<https://www.kocomotion.de/produkt/08-08p-0816n5m01-155-8-0/>

Specification	
Voltage	8.0 V
Terminal resistance	60.0 Ω
No-load speed	15500 rpm
No-load current	6 mA
Stall torque	0.58 mNm
Stall current	130 mA
Nominal torque	0.15 mNm
Nominal speed	11520 rpm
Nominal current	40 mA
Max. output power	0.24 W
Max. efficiency	62 %
Back-EMF constant	0.5 mV/rpm
Torque constant	4.7 mNm/A
Speed/torque gradient	26600 rpm/mNm
Rotor inertia	0.04 g·cm ²
Weight	3.6 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

10**—10*P—

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/10-10p/>



Produkte:

Seite

10**—10*P—1020N5M52-115-3.0

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10**—10*P—1020N5M52-115-3.0

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/10-10p-1020n5m52-115-3-0/>



Specification	
Voltage	3.0 V
Terminal resistance	3.8 Ω
No-load speed	11500 rpm
No-load current	16 mA
Stall torque	1.89 mNm
Stall current	790 mA
Nominal torque	0.50 mNm
Nominal speed	8460 rpm
Nominal current	220 mA
Max. output power	0.57 W
Max. efficiency	74 %
Back-EMF constant	0.26 mV/rpm
Torque constant	2.44 mNm/A
Speed/torque gradient	6088 rpm/mNm
Rotor inertia	0.07 g·cm ²
Weight	6.1 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B10**—10*P—

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/b10-10p/>

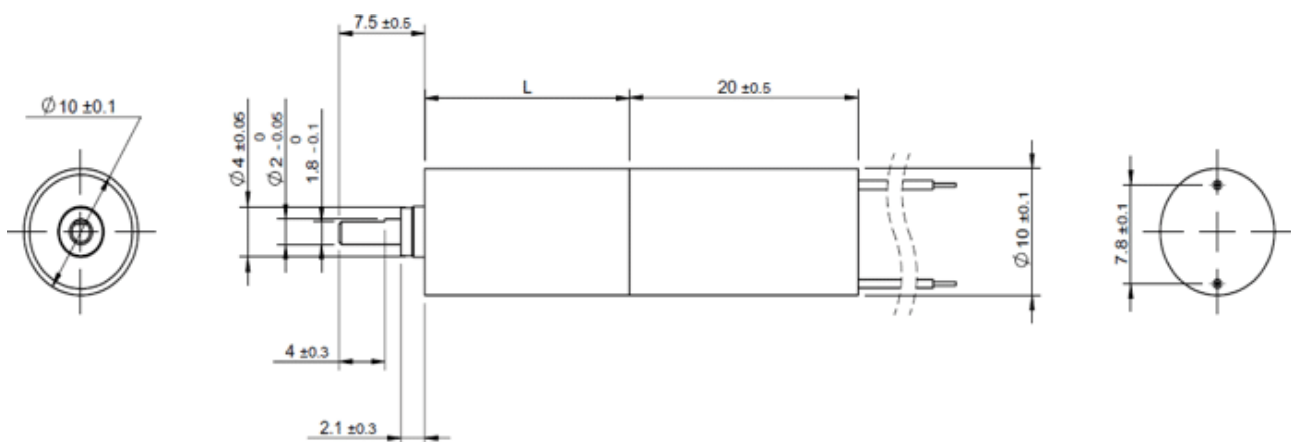


Produkte:

Seite

B10**—10*P—B1020N03-85-3.7

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B10**—10*P—B1020N03-85-3.7

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/b10-10p-b1020n03-85-3-7/>



Specification	
Voltage	3.7 V
Terminal resistance	6.2 Ω
No-load speed	8500 rpm
No-load current	70 mA
Stall torque	1.90 mNm
Stall current	600.0 mA
Nominal torque	1.00 mNm
Nominal speed	4300 rpm
Nominal current	350 mA
Max. output power	0.40 W
Max. efficiency	43 %
Back-EMF constant	0.38 mV/rpm
Torque constant	3.67 mNm/A
Speed/torque gradient	4474 rpm/mNm
Rotor inertia	0.06 g·cm ²
Weight	6.8 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C10**—10*P—

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c10-10p/>



Produkte:

Seite

C10**—10*P—C1012F43-0113

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C10**—10*P—C1012F43-0113

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c10-10p-c1012f43-0113/>



Specification	
Voltage	3.0 V
Terminal resistance	11.1 Ω
No-load speed	12900 rpm
No-load current	30 mA
Stall torque	0.50 mNm
Stall current	288 mA
Nominal torque	0.17 mNm
Nominal speed	8400 rpm
Nominal current	120 mA
Max. output power	0.17 W
Max. efficiency	45 %
Back-EMF constant	0.21 mV/rpm
Torque constant	1.94 mNm/A
Speed/torque gradient	25800 rpm/mNm
Rotor inertia	- g·cm ²
Weight	3 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

12**—12*P—

12mm planetary gearbox series



<https://www.kocomotion.de/produkt/12-12p/>



Produkte:

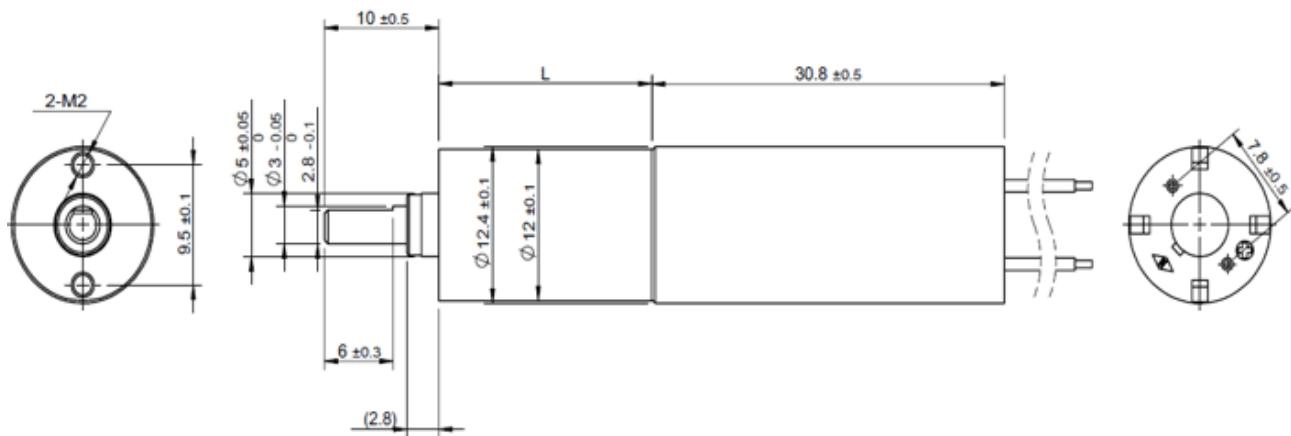
Seite

12**—12*P—1230N5M15-113-12.0

45

12**—12*P—1230N7M04-79-3.0

46



12**—12*P—1230N5M15-113-12.0



12mm planetary gearbox series



<https://www.kocomotion.de/produkt/12-12p-1230n5m15-113-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	10.4 Ω
No-load speed	11300 rpm
No-load current	15 mA
Stall torque	11.4 mNm
Stall current	1150 mA
Nominal torque	3.0 mNm
Nominal speed	8320 rpm
Nominal current	310 mA
Max. output power	3.37 W
Max. efficiency	78 %
Back-EMF constant	1.05 mV/rpm
Torque constant	10.1 mNm/A
Speed/torque gradient	995 rpm/mNm
Rotor inertia	0.25 g·cm ²
Weight	17.7 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

12**—12*P—1230N7M04-79-3.0

12mm planetary gearbox series



<https://www.kocomotion.de/produkt/12-12p-1230n7m04-79-3-0/>



Specification	
Voltage	3.0 V
Terminal resistance	1.4 Ω
No-load speed	7950 rpm
No-load current	40 mA
Stall torque	7.4 mNm
Stall current	2140 mA
Nominal torque	0.7 mNm
Nominal speed	7200 rpm
Nominal current	240 mA
Max. output power	1.55 W
Max. efficiency	75 %
Back-EMF constant	0.37 mV/rpm
Torque constant	3.54 mNm/A
Speed/torque gradient	1071 rpm/mNm
Rotor inertia	0.25 g·cm ²
Weight	17.7 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B12**—12*P—

12mm planetary gearbox series



<https://www.kocomotion.de/produkt/b12-12p/>

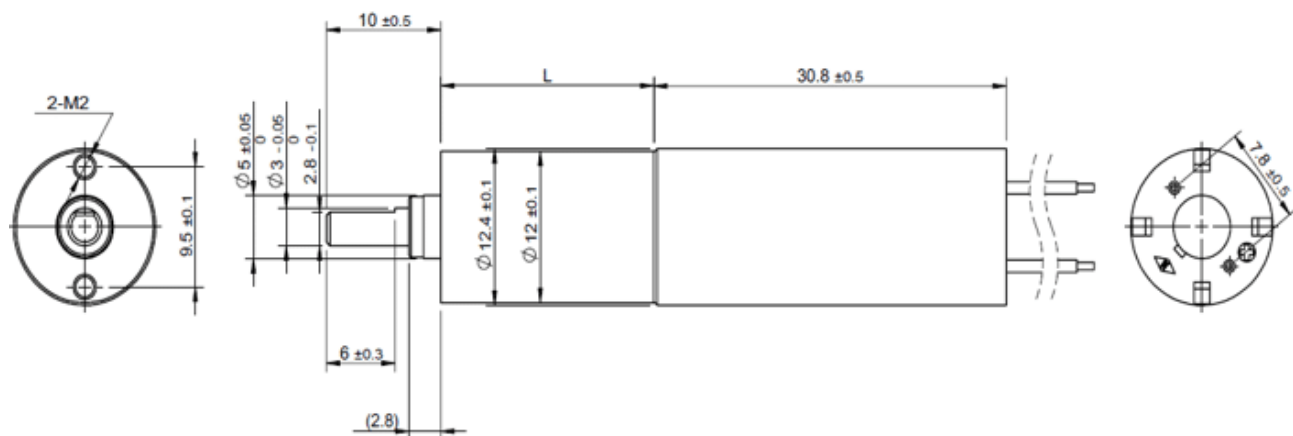


Produkte:

Seite

B12**—12*P—B1220N2B01-175-5.0

48



B12**—12*P—B1220N2B01-175-5.0



12mm planetary gearbox series



<https://www.kocomotion.de/produkt/b12-12p-b1220n2b01-175-5-0/>

Specification	
Voltage	5.0 V
Terminal resistance	2.0 Ω
No-load speed	17500 rpm
No-load current	180 mA
Stall torque	5.9 mNm
Stall current	2500 mA
Nominal torque	1.40 mNm
Nominal speed	13330 rpm
Nominal current	730 mA
Max. output power	2.69 W
Max. efficiency	54 %
Back-EMF constant	0.27 mV/rpm
Torque constant	2.53 mNm/A
Speed/torque gradient	2979 rpm/mNm
Rotor inertia	0.17 g·cm ²
Weight	9.5 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

13**—13*P—

13mm planetary gearbox series



<https://www.kocomotion.de/produkt/13-13p/>



Produkte:

Seite

13**—13*P—1331N5M09-87-12.0

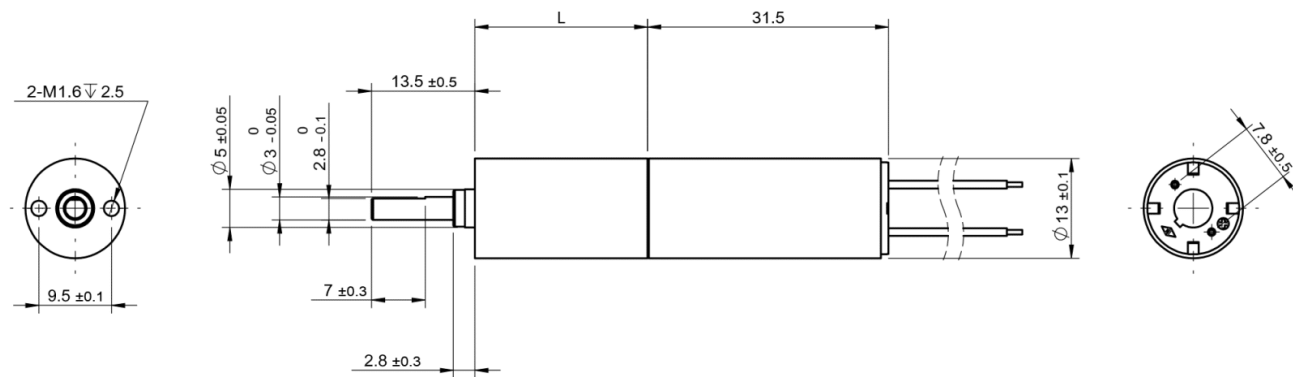
50

13**—13*P—1331N7M02-110-6.0

51

13**—13*P—1331N7M01-96-24.0

52



13**—13*P—1331N5M09-87-12.0



13mm planetary gearbox series



<https://www.kocomotion.de/produkt/13-13p-1331n5m09-87-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	15.7 Ω
No-load speed	8700 rpm
No-load current	8 mA
Stall torque	9.8 mNm
Stall current	760 mA
Nominal torque	3.0 mNm
Nominal speed	6040 rpm
Nominal current	240 mA
Max. output power	2.23 W
Max. efficiency	81 %
Back-EMF constant	1.4 mV/rpm
Torque constant	13 mNm/A
Speed/torque gradient	890 rpm/mNm
Rotor inertia	0.52 g·cm ²
Weight	19 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

13**—13*P—1331N7M02-110-6.0

13mm planetary gearbox series



<https://www.kocomotion.de/produkt/13-13p-1331n7m02-110-6-0/>



Specification	
Voltage	6.0 V
Terminal resistance	2.6 Ω
No-load speed	11000 rpm
No-load current	25 mA
Stall torque	11.8 mNm
Stall current	2310 mA
Nominal torque	3.0 mNm
Nominal speed	8200 rpm
Nominal current	610 mA
Max. output power	3.39 W
Max. efficiency	80 %
Back-EMF constant	0.5 mV/rpm
Torque constant	5.2 mNm/A
Speed/torque gradient	930 rpm/mNm
Rotor inertia	0.52 g·cm ²
Weight	19 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

13**—13*P—1331N7M01-96-24.0



13mm planetary gearbox series



<https://www.kocomotion.de/produkt/13-13p-1331n7m01-96-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	39.8 Ω
No-load speed	9600 rpm
No-load current	4 mA
Stall torque	14.4 mNm
Stall current	600 mA
Nominal torque	3.5 mNm
Nominal speed	7220 rpm
Nominal current	150 mA
Max. output power	3.56 W
Max. efficiency	84 %
Back-EMF constant	2.5 mV/rpm
Torque constant	23.7 mNm/A
Speed/torque gradient	680 rpm/mNm
Rotor inertia	0.52 g·cm ²
Weight	19 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B16**—16*P—

16mm planetary gearbox series



<https://www.kocomotion.de/produkt/b16-16p/>

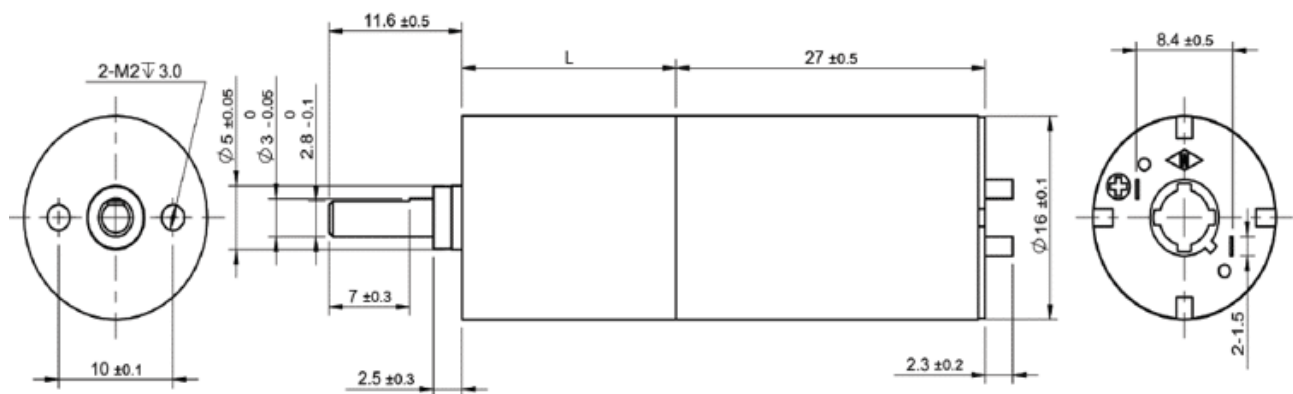


Produkte:

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B16**—16*P—B1635N2B01-112-3.0

54



B16**—16*P—B1635N2B01-112-3.0



16mm planetary gearbox series



<https://www.kocomotion.de/produkt/b16-16p-b1635n2b01-112-3-0/>

Specification	
Voltage	3.0 V
Terminal resistance	0.35 Ω
No-load speed	11250 rpm
No-load current	100 mA
Stall torque	21.3 mNm
Stall current	8570 mA
Nominal torque	1.50 mNm
Nominal speed	10460 rpm
Nominal current	700 mA
Max. output power	6 W
Max. efficiency	80 %
Back-EMF constant	0.26 mV/rpm
Torque constant	2.52 mNm/A
Speed/torque gradient	530 rpm/mNm
Rotor inertia	1.5 g·cm ²
Weight	40 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

19**—20*P—

19mm planetary gearbox series



<https://www.kocomotion.de/produkt/19-20p/>

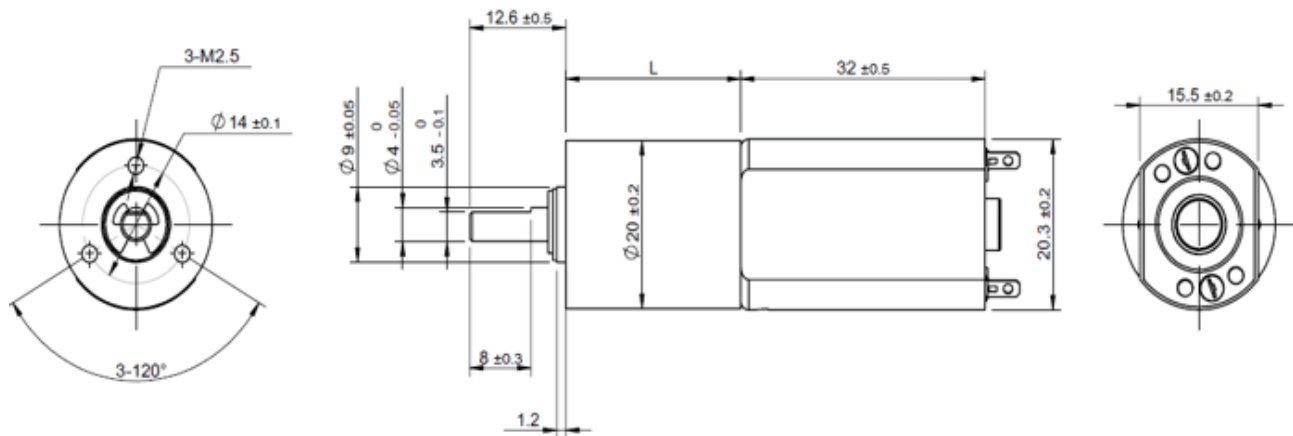


Produkte:

Seite

19**—20*P—1925N9M02-80-12.0

56



19**-20*P-1925N9M02-80-12.0



19mm planetary gearbox series



<https://www.kocomotion.de/produkt/19-20p-1925n9m02-80-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	9.6 Ω
No-load speed	8000 rpm
No-load current	15 mA
Stall torque	17.5 mNm
Stall current	1250 mA
Nominal torque	4.00 mNm
Nominal speed	6170 rpm
Nominal current	300 mA
Max. output power	3.66 W
Max. efficiency	79 %
Back-EMF constant	1.48 mV/rpm
Torque constant	14.15 mNm/A
Speed/torque gradient	460 rpm/mNm
Rotor inertia	0.6 g·cm ²
Weight	30 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

16**—16*P—

16mm planetary gearbox series



<https://www.kocomotion.de/produkt/16-16p/>



Produkte:

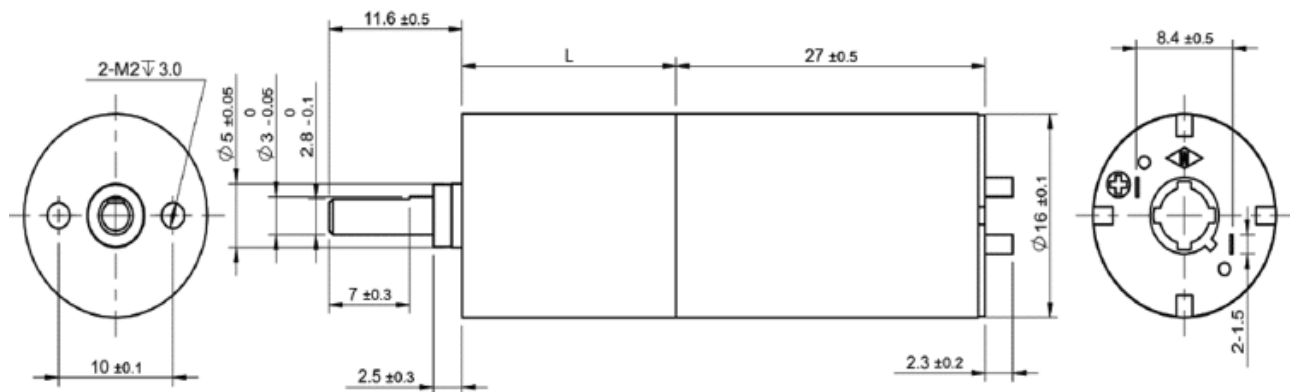
Seite

16**—16*P—1627N5M21-113-12.0

58

16**—16*P—1625N9M01-115-3.0

59



16**—16*P—1627N5M21-113-12.0



16mm planetary gearbox series



<https://www.kocomotion.de/produkt/16-16p-1627n5m21-113-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	11.8 Ω
No-load speed	11300 rpm
No-load current	13 mA
Stall torque	10.1 mNm
Stall current	1020 mA
Nominal torque	3.0 mNm
Nominal speed	7940 rpm
Nominal current	310 mA
Max. output power	3.0 W
Max. efficiency	79 %
Back-EMF constant	1.0 mV/rpm
Torque constant	10.0 mNm/A
Speed/torque gradient	1120 rpm/mNm
Rotor inertia	0.6 g·cm ²
Weight	25 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

16**—16*P—1625N9M01-115-3.0

16mm planetary gearbox series



<https://www.kocomotion.de/produkt/16-16p-1625n9m01-115-3-0/>



Specification	
Voltage	3.0 V
Terminal resistance	1.1 Ω
No-load speed	11500 rpm
No-load current	50 mA
Stall torque	6.6 mNm
Stall current	2730 mA
Nominal torque	1.0 mNm
Nominal speed	9750 rpm
Nominal current	460 mA
Max. output power	2.0 W
Max. efficiency	75 %
Back-EMF constant	0.26 mV/rpm
Torque constant	2.45 mNm/A
Speed/torque gradient	1750 rpm/mNm
Rotor inertia	0.78 g·cm ²
Weight	21.8 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B20**—20*P—

20mm planetary gearbox series



<https://www.kocomotion.de/produkt/b20-20p/>

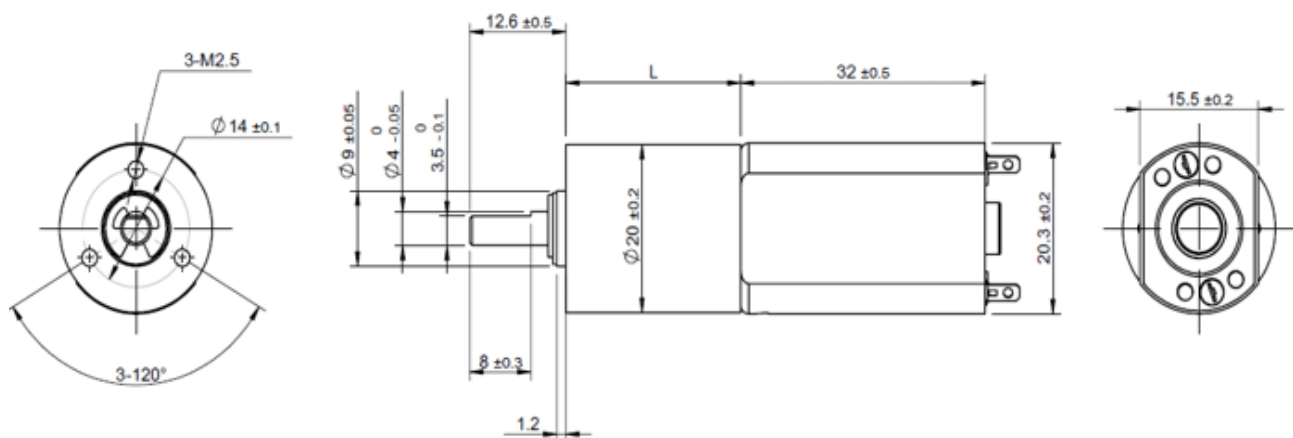


Produkte:

Seite

B20**—20*P—B2040NH2B02-80-12.0

61



B20**—20*P—B2040NH2B02-80-12.0



20mm planetary gearbox series



<https://www.kocomotion.de/produkt/b20-20p-b2040nh2b02-80-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	3.60 Ω
No-load speed	8000 rpm
No-load current	220 mA
Stall torque	41.6 mNm
Stall current	3330 mA
Nominal torque	7.60 mNm
Nominal speed	6540 rpm
Nominal current	790 mA
Max. output power	8.72 W
Max. efficiency	55 %
Back-EMF constant	1.40 mV/rpm
Torque constant	13.38 mNm/A
Speed/torque gradient	190 rpm/mNm
Rotor inertia	2 g·cm ²
Weight	80 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C20**—20*P—

20mm planetary gearbox series



<https://www.kocomotion.de/produkt/c20-20p/>

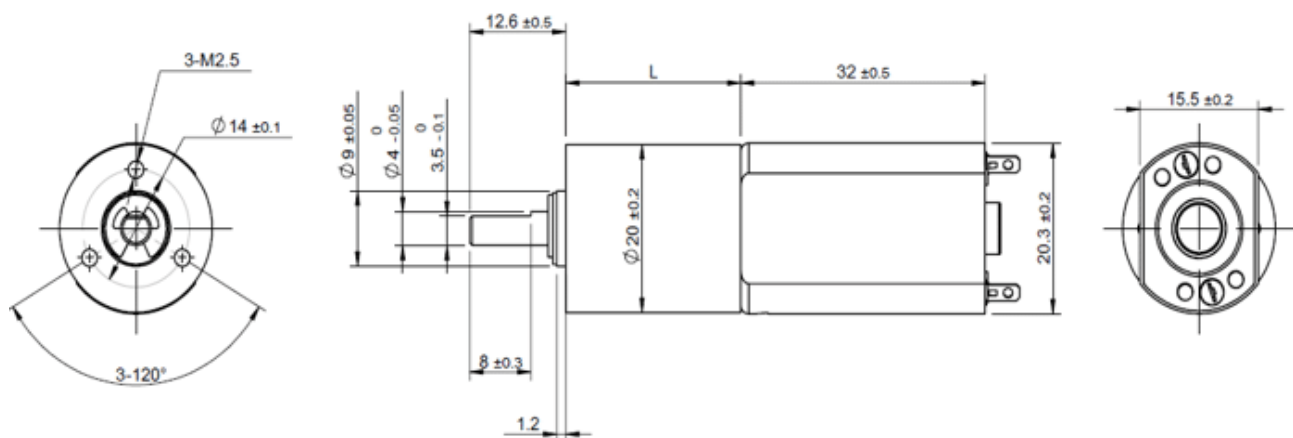


Produkte:

Seite

C20**—20*P—C2032F41-0141

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C20**—20*P—C2032F41-0141

20mm planetary gearbox series



<https://www.kocomotion.de/produkt/c20-20p-c2032f41-0141/>



Specification	
Voltage	6.0 V
Terminal resistance	3.8 Ω
No-load speed	7600 rpm
No-load current	100 mA
Stall torque	10.5 mNm
Stall current	1562 mA
Nominal torque	1.80 mNm
Nominal speed	6300 rpm
Nominal current	350 mA
Max. output power	2.10 W
Max. efficiency	57 %
Back-EMF constant	0.74 mV/rpm
Torque constant	7.06 mNm/A
Speed/torque gradient	724 rpm/mNm
Rotor inertia	- g·cm ²
Weight	33 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

25**—25MP—

24mm planetary gearbox series



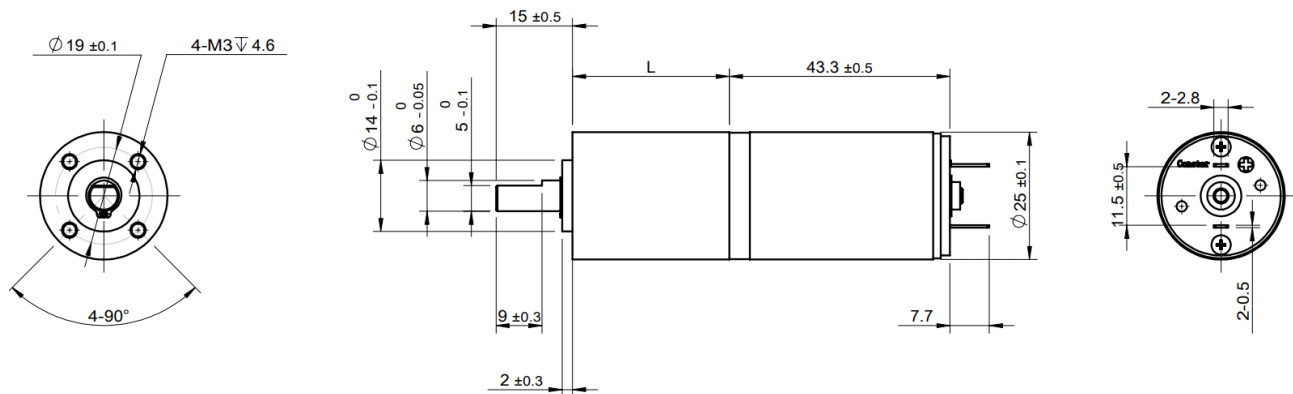
<https://www.kocomotion.de/produkt/25-25mp/>



Produkte:

Seite

25**—25MP—2543N9C2B01-65-48.0	65
25**—25MP—2554N9C2B04-82-24.0	66
25**—25MP—2543N9C2B03-65-24.0	67



25**-25MP-2543N9C2B01-65-48.0



24mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-25mp-2543n9c2b01-65-48-0/>

Specification	
Voltage	48.0 V
Terminal resistance	23.0 Ω
No-load speed	6500 rpm
No-load current	20 mA
Stall torque	144.6 mNm
Stall current	2090 mA
Nominal torque	42.60 mNm
Nominal speed	4580 rpm
Nominal current	630 mA
Max. output power	24.57 W
Max. efficiency	81 %
Back-EMF constant	7.31 mV/rpm
Torque constant	69.84 mNm/A
Speed/torque gradient	45 rpm/mNm
Rotor inertia	13.2 g·cm ²
Weight	98 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

25**—25MP—2554N9C2B04- 82-24.0



24mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-25mp-2554n9c2b04-82-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	3.1 Ω
No-load speed	8200 rpm
No-load current	35 mA
Stall torque	214.4 mNm
Stall current	7740 mA
Nominal torque	32.40 mNm
Nominal speed	6960 rpm
Nominal current	1200 mA
Max. output power	46.03 W
Max. efficiency	87 %
Back-EMF constant	2.91 mV/rpm
Torque constant	27.82 mNm/A
Speed/torque gradient	38 rpm/mNm
Rotor inertia	14.2 g·cm ²
Weight	120 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

25**-25MP-2543N9C2B03-65-24.0



24mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-25mp-2543n9c2b03-65-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	6.3 Ω
No-load speed	6500 rpm
No-load current	25 mA
Stall torque	132.6 mNm
Stall current	3810 mA
Nominal torque	37.6 mNm
Nominal speed	4660 rpm
Nominal current	1100 mA
Max. output power	22.6 W
Max. efficiency	85 %
Back-EMF constant	3.7 mV/rpm
Torque constant	35.0 mNm/A
Speed/torque gradient	49.0 rpm/mNm
Rotor inertia	13.2 g·cm ²
Weight	98 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

22**—22*P—

22mm planetary gearbox series



<https://www.kocomotion.de/produkt/22-22p/>



Produkte:

Seite

22**—22*P—2232N5M2B03-81-6.0

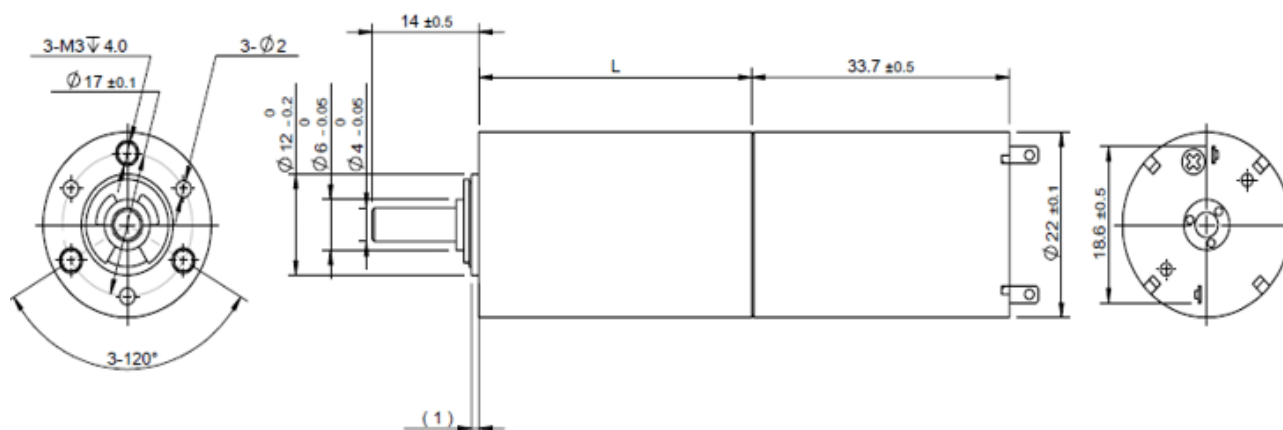
69

22**—22*P—2232N9M02-60-6.8

70

22**—22*P—2232N9M01-110-24.0

71



22**–22*P–2232N5M2B03- 81-6.0

22mm planetary gearbox series



<https://www.kocomotion.de/produkt/22-22p-2232n5m2b03-81-6-0/>



Specification	
Voltage	6.0 V
Terminal resistance	2.0 Ω
No-load speed	8100 rpm
No-load current	20 mA
Stall torque	20.9 mNm
Stall current	3000 mA
Nominal torque	4.0 mNm
Nominal speed	6550 rpm
Nominal current	590 mA
Max. output power	4.44 W
Max. efficiency	84 %
Back-EMF constant	0.74 mV/rpm
Torque constant	7.03 mNm/A
Speed/torque gradient	387 rpm/mNm
Rotor inertia	4.4 g·cm ²
Weight	55.8 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

22**–22*P–2232N9M02-60-6.8



22mm planetary gearbox series



<https://www.kocomotion.de/produkt/22-22p-2232n9m02-60-6-8/>

Specification	
Voltage	6.8 V
Terminal resistance	3.0 Ω
No-load speed	6000 rpm
No-load current	15 mA
Stall torque	24.2 mNm
Stall current	2270 mA
Nominal torque	5.0 mNm
Nominal speed	4760 rpm
Nominal current	480 mA
Max. output power	3.81 W
Max. efficiency	84 %
Back-EMF constant	1.13 mV/rpm
Torque constant	10.75 mNm/A
Speed/torque gradient	250 rpm/mNm
Rotor inertia	4.4 g·cm ²
Weight	55.8 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

22**—22*P—2232N9M01-110-24.0



22mm planetary gearbox series



<https://www.kocomotion.de/produkt/22-22p-2232n9m01-110-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	17.2 Ω
No-load speed	11000 rpm
No-load current	8 mA
Stall torque	28.8 mNm
Stall current	1400 mA
Nominal torque	7.0 mNm
Nominal speed	8330 rpm
Nominal current	350 mA
Max. output power	8.31 W
Max. efficiency	86 %
Back-EMF constant	2.17 mV/rpm
Torque constant	20.72 mNm/A
Speed/torque gradient	380 rpm/mNm
Rotor inertia	4.4 g·cm ²
Weight	55.8 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

25**—26MP—

26mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-26mp/>



Produkte:

Seite

25**—26MP—2543N9C2B01-65-48.0

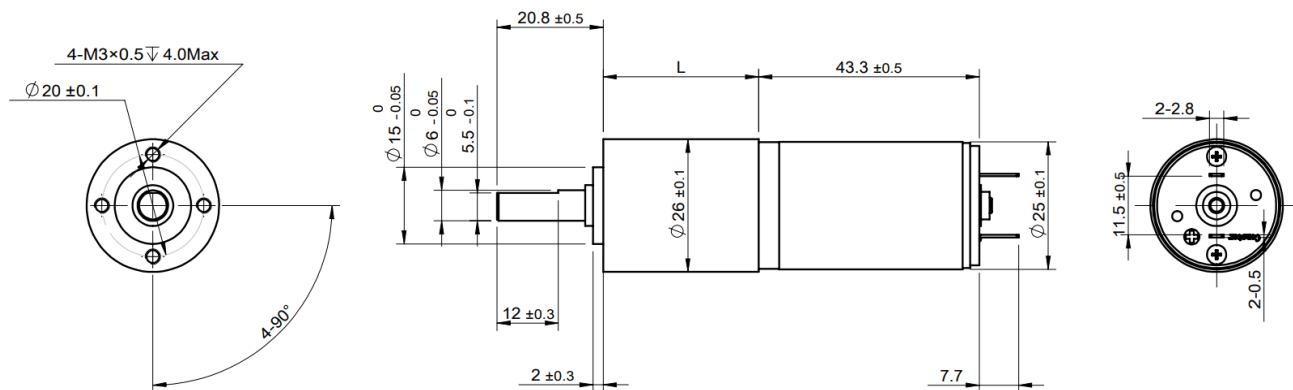
73

25**—26MP—2554N9C2B04-82-24.0

74

25**—26MP—2543N9C2B03-65-24.0

75



25**—26MP—2543N9C2B01-65-48.0



26mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-26mp-2543n9c2b01-65-48-0/>

Specification	
Voltage	48.0 V
Terminal resistance	23.0 Ω
No-load speed	6500 rpm
No-load current	20 mA
Stall torque	144.6 mNm
Stall current	2090 mA
Nominal torque	42.60 mNm
Nominal speed	4580 rpm
Nominal current	630 mA
Max. output power	24.6 W
Max. efficiency	81 %
Back-EMF constant	7.3 mV/rpm
Torque constant	69.8 mNm/A
Speed/torque gradient	45 rpm/mNm
Rotor inertia	13.2 g·cm ²
Weight	98 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

25**-26MP-2554N9C2B04-82-24.0



26mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-26mp-2554n9c2b04-82-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	3.1 Ω
No-load speed	8200 rpm
No-load current	35 mA
Stall torque	214.4 mNm
Stall current	7740 mA
Nominal torque	32.4 mNm
Nominal speed	6960 rpm
Nominal current	1200 mA
Max. output power	46.0 W
Max. efficiency	87 %
Back-EMF constant	2.9 mV/rpm
Torque constant	27.8 mNm/A
Speed/torque gradient	38 rpm/mNm
Rotor inertia	14.2 g·cm ²
Weight	120 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

25**-26MP-2543N9C2B03-65-24.0



26mm planetary gearbox series



<https://www.kocomotion.de/produkt/25-26mp-2543n9c2b03-65-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	6.3 Ω
No-load speed	6500 rpm
No-load current	25 mA
Stall torque	132.6 mNm
Stall current	3810 mA
Nominal torque	37.6 mNm
Nominal speed	4600 rpm
Nominal current	1100 mA
Max. output power	22.6 W
Max. efficiency	85 %
Back-EMF constant	3.7 mV/rpm
Torque constant	35.0 mNm/A
Speed/torque gradient	49 rpm/mNm
Rotor inertia	13.2 g·cm ²
Weight	98 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

24**—24*P—

24mm planetary gearbox series



<https://www.kocomotion.de/produkt/24-24p/>

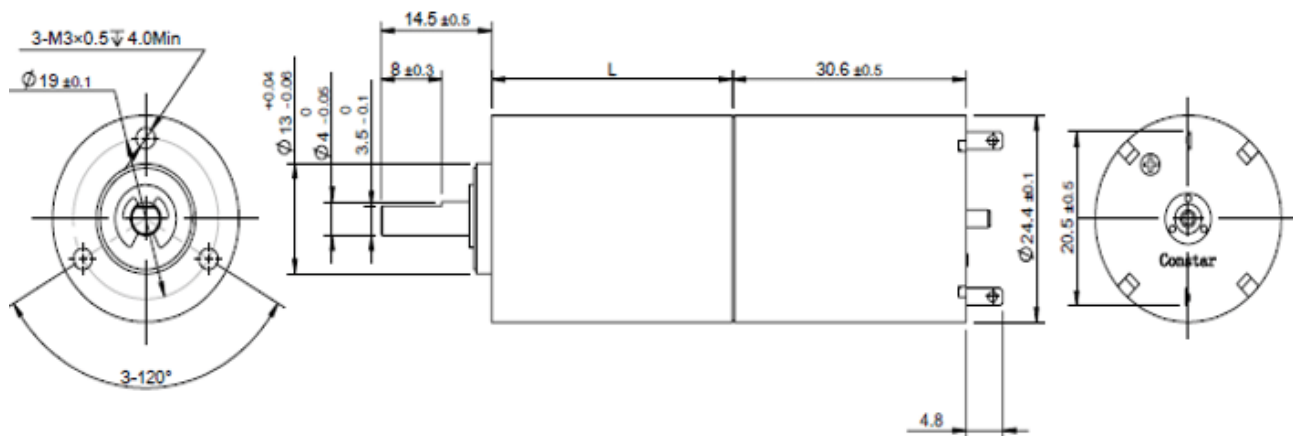


Produkte:

Seite

24**—24*P—2433N5M2B01-78-4.5

77



24**—24*P—2433N5M2B01-78-4.5



24mm planetary gearbox series



<https://www.kocomotion.de/produkt/24-24p-2433n5m2b01-78-4-5/>

Specification	
Voltage	4.5 V
Terminal resistance	0.5 Ω
No-load speed	7800 rpm
No-load current	30 mA
Stall torque	49.3 mNm
Stall current	9000 mA
Nominal torque	10.10 mNm
Nominal speed	6200 rpm
Nominal current	1870 mA
Max. output power	10.06 W
Max. efficiency	89 %
Back-EMF constant	0.58 mV/rpm
Torque constant	5.49 mNm/A
Speed/torque gradient	158 rpm/mNm
Rotor inertia	2.2 g·cm ²
Weight	68 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B20**—24*P—

24mm planetary gearbox series



<https://www.kocomotion.de/produkt/b20-24p/>

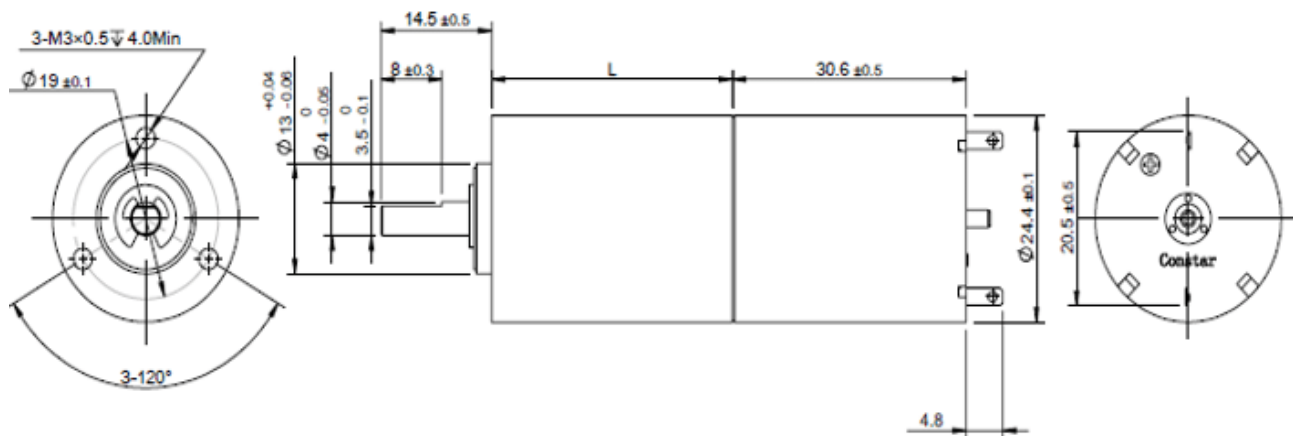


Produkte:

Seite

B20**—24*P—B2040NH2B-120-24.0

79



B20**—24*P—B2040NH2B-120-24.0



24mm planetary gearbox series



<https://www.kocomotion.de/produkt/b20-24p-b2040nh2b-120-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	3.54 Ω
No-load speed	12000 rpm
No-load current	140 mA
Stall torque	124.2 mNm
Stall current	6780 mA
Nominal torque	18.20 mNm
Nominal speed	10240 rpm
Nominal current	1110 mA
Max. output power	39.02 W
Max. efficiency	73 %
Back-EMF constant	1.96 mV/rpm
Torque constant	18.70 mNm/A
Speed/torque gradient	96.6 rpm/mNm
Rotor inertia	2.2 g·cm ²
Weight	68 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C24**—24*P—

24mm planetary gearbox series



<https://www.kocomotion.de/produkt/c24-24p/>

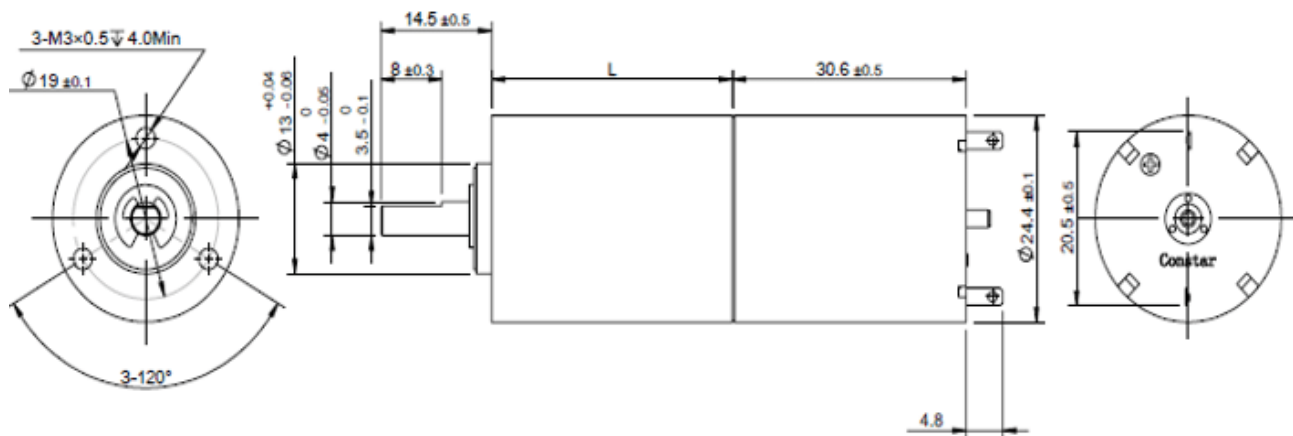


Produkte:

Seite

C24**—24*P—C2430R23-0010-12.0

81



C24**—24*P—C2430R23-0010-12.0



24mm planetary gearbox series



<https://www.kocomotion.de/produkt/c24-24p-c2430r23-0010-12-0/>

Specification	
Voltage	12.0 V
Terminal resistance	11.0 Ω
No-load speed	6150 rpm
No-load current	35 mA
Stall torque	16.1 mNm
Stall current	978 mA
Nominal torque	1.96 mNm
Nominal speed	5400 rpm
Nominal current	150 mA
Max. output power	3.07 W
Max. efficiency	67 %
Back-EMF constant	1.89 mV/rpm
Torque constant	18.03 mNm/A
Speed/torque gradient	382 rpm/mNm
Rotor inertia	- g·cm ²
Weight	48.5 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

L0616-06PP-

6mm 3V micro planetary gearbox motor



<https://www.kocomotion.de/produkt/l0616-06pp/>



Produkte:

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L0616-06PP-L0616-1300-3.0-06PP25-0001

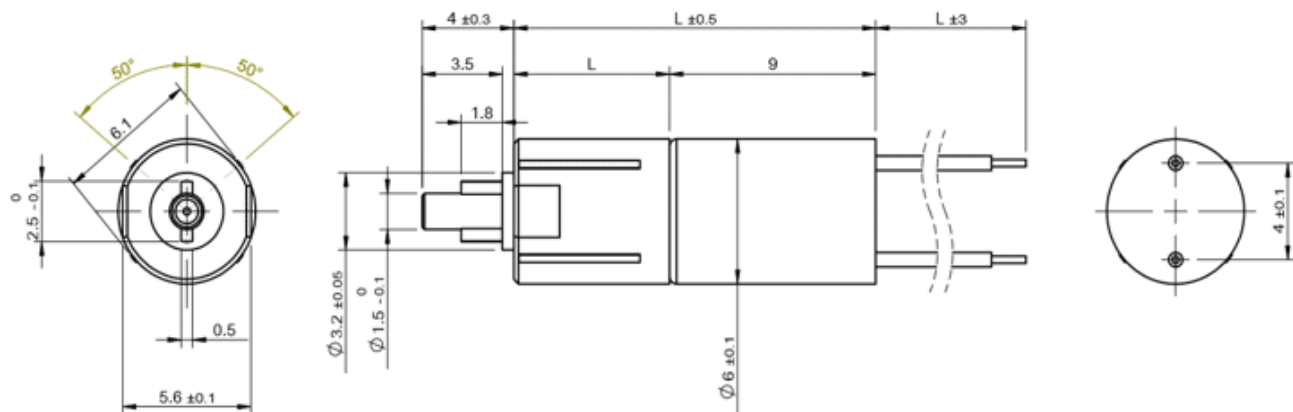
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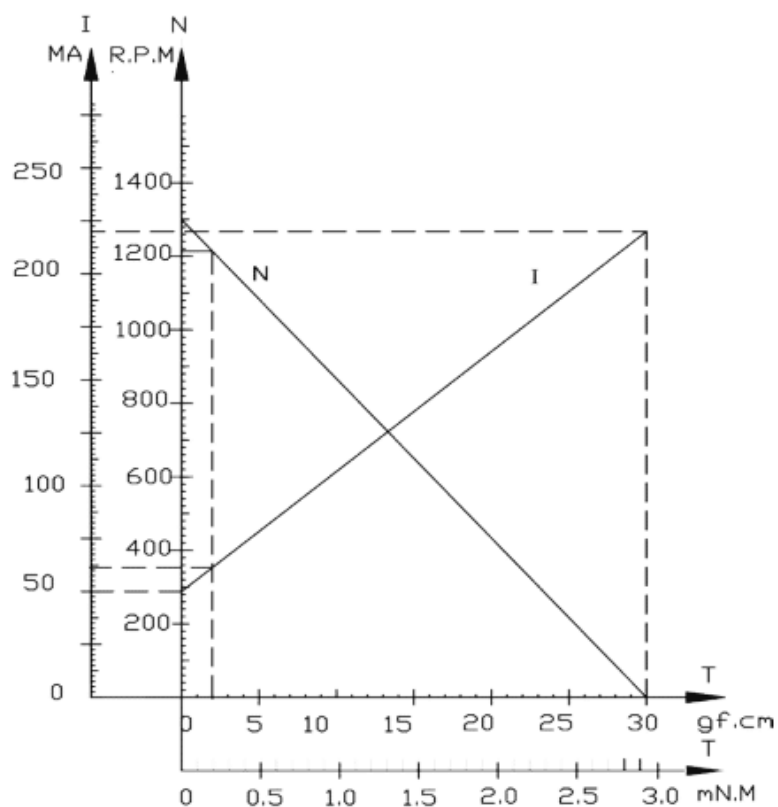
L0616-06PP-L0615-1300-3.0-06PF25-0025

85

L0616-06PP-L0615-1800-3.0-06PR25-0035

86





L0616-06PP-L0616-1300-3.0-06PP25-0001



6mm 3V micro planetary gearbox motor



<https://www.kocomotion.de/produkt/l0616-06pp-l0616-1300-3-0-06pp25-0001/>

Specification	
Voltage	3 V
Terminal resistance	13.7 Ω
No-load speed	1300 rpm
No-load current	50 A
Max torque	2.94 mNm
Load torque	0.196 mNm
Load speed	1210 rpm
Load current	61 mA
Reduction ratio	1/25
Weight	1.2 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

L0616-06PP-L0615-1300-3.0-06PF25-0025



6mm 3V micro planetary gearbox motor



<https://www.kocomotion.de/produkt/l0616-06pp-l0615-1300-3-0-06pf25-0025/>

Specification	
Voltage	3 V
Terminal resistance	13.7 Ω
No-load speed	1300 rpm
No-load current	50 A
Max torque	2.94 mNm
Load torque	0.196 mNm
Load speed	1200 rpm
Load current	61 mA
Reduction ratio	1/25
Weight	1.2 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

L0616-06PP-L0615-1800-3.0-06PR25-0035



6mm 3V micro planetary gearbox motor



<https://www.kocomotion.de/produkt/l0616-06pp-l0615-1800-3-0-06pr25-0035/>

Specification	
Voltage	3.0 V
Terminal resistance	7.8 Ω
No-load speed	1750 rpm
No-load current	55 A
Max torque	3.4 mNm
Load torque	0.2 mNm
Load speed	1680 rpm
Load current	65 mA
Reduction ratio	1/25
Weight	1.2 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

30**—28*P—

30mm planetary gearbox series



<https://www.kocomotion.de/produkt/30-28p/>



Produkte:

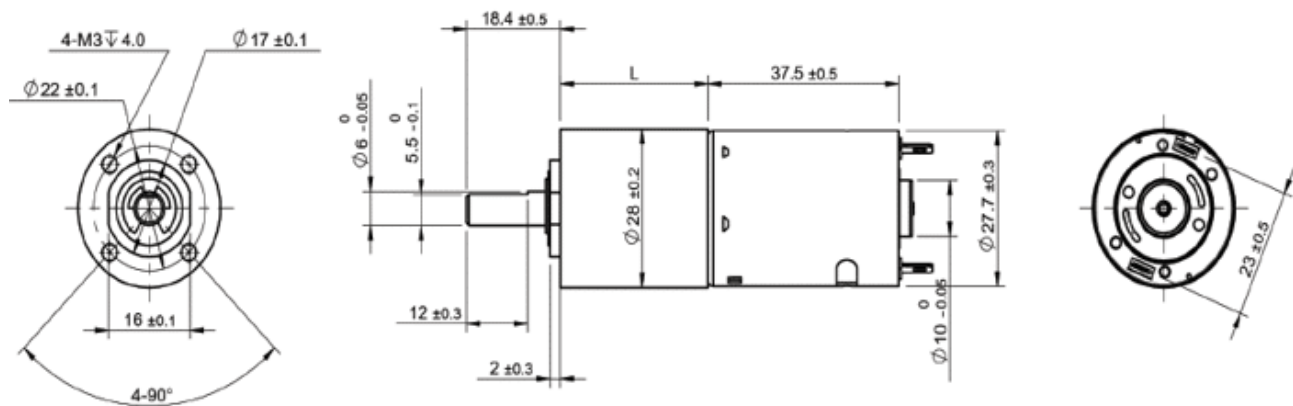
Seite

30**—28*P—3068N9C2B01-85-24.0

88

30**—28*P—C2838R-41-9.0

89



30**–28*P–3068N9C2B01-85-24.0



30mm planetary gearbox series



<https://www.kocomotion.de/produkt/30-28p-3068n9c2b01-85-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	0.9 Ω
No-load speed	8500 rpm
No-load current	150 mA
Stall torque	711 mNm
Stall current	26670 mA
Nominal torque	60 mNm
Nominal speed	7780 rpm
Nominal current	2390 mA
Max. output power	158.21 W
Max. efficiency	86 %
Back-EMF constant	2.81 mV/rpm
Torque constant	26.81 mNm/A
Speed/torque gradient	11.95 rpm/mNm
Rotor inertia	33 g·cm ²
Weight	250 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

30**—28*P—C2838R-41-9.0

30mm planetary gearbox series



<https://www.kocomotion.de/produkt/30-28p-c2838r-41-9-0/>



Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1020-10PP-1C1020-110-2.5-10PP171-0051



10mm 2.5V micro gearmotor



<https://www.kocomotion.de/produkt/c1020-10pp-1c1020-110-2-5-10pp171-0051/>

Specification	
Voltage	2.5 V
Terminal resistance	3.7 Ω
No-load speed	110 rpm
No-load current	100 mA
Max torque	37.2 mNm
Load torque	9.8 mNm
Load speed	80 rpm
Load current	230 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

B29**—28*P—

28mm planetary gearbox series



<https://www.kocomotion.de/produkt/b29-28p/>

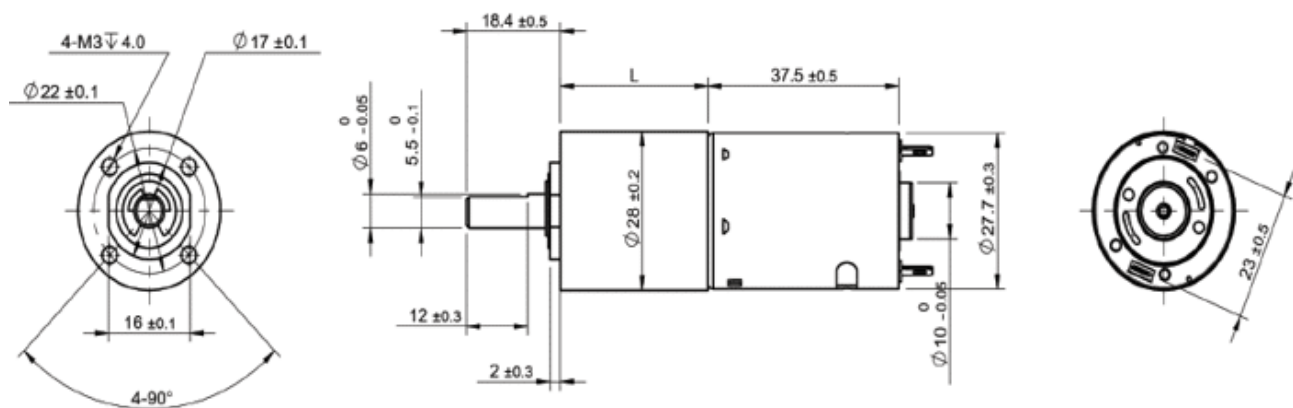


Produkte:

Seite

B29**—28*P—B2950NH2B01-130-24.0

93



B29**–28*P–B2950NH2B01-130-24.0



28mm planetary gearbox series



<https://www.kocomotion.de/produkt/b29-28p-b2950nh2b01-130-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	1.32 Ω
No-load speed	13000 rpm
No-load current	300 mA
Stall torque	310 mNm
Stall current	18180 mA
Nominal torque	28 mNm
Nominal speed	11830 rpm
Nominal current	1910 mA
Max. output power	105.52 W
Max. efficiency	76 %
Back-EMF constant	1.82 mV/rpm
Torque constant	17.34 mNm/A
Speed/torque gradient	41.93 rpm/mNm
Rotor inertia	5 g·cm ²
Weight	140 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1020-10PP-2

10mm 2.5V plastic gearmotor



<https://www.kocomotion.de/produkt/c1020-10pp-2/>

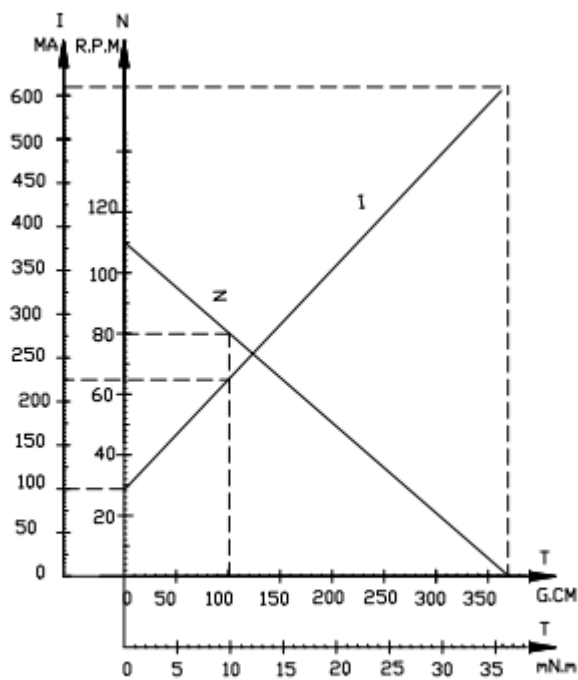
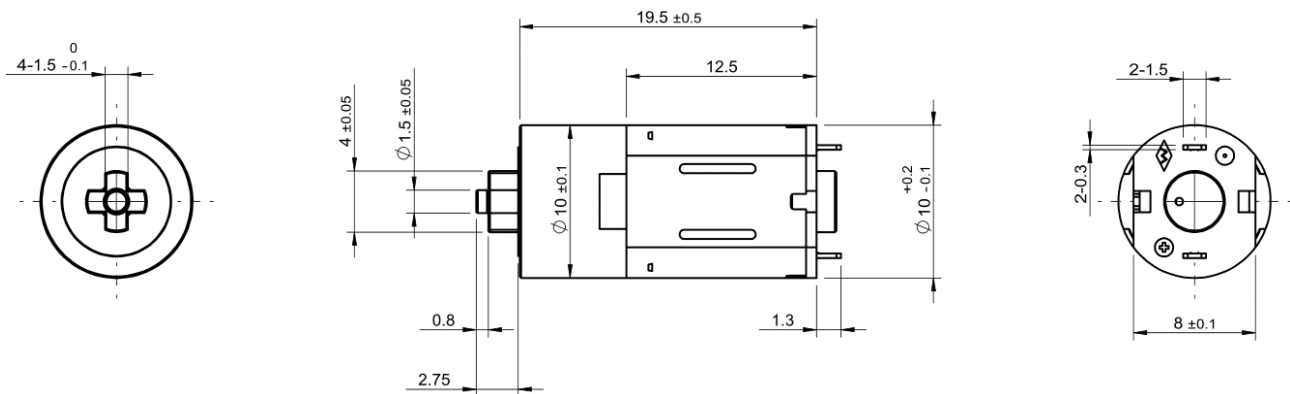


Produkte:

Seite

C1020-10PP-2C1020-110-2.5-10PP171-0053

95



型号 / Model C1020-110-2.5-10PP171-0053

C1020—10PP—2C1020-110-2.5-10PP171-0053



10mm 2.5V plastic gearmotor



<https://www.kocomotion.de/produkt/c1020-10pp-2c1020-110-2-5-10pp171-0053/>

Specification	
Voltage	2.5 V
Terminal resistance	3.7 Ω
No-load speed	110 rpm
No-load current	100 mA
Max torque	37.2 mNm
Load torque	9.8 mNm
Load speed	80 rpm
Load current	230 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

C28**–28*P–

28mm planetary gearbox series



<https://www.kocomotion.de/produkt/c28-28p/>

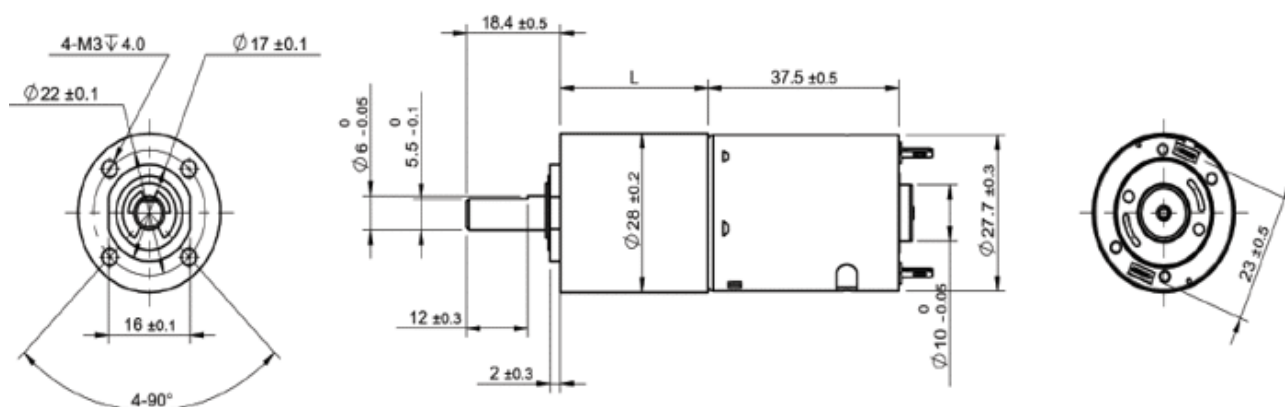


Produkte:

Seite

C28**–28*P–C2838R-41-9.0

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C28**–28*P–C2838R-41-9.0

28mm planetary gearbox series



<https://www.kocomotion.de/produkt/c28-28p-c2838r-41-9-0/>



Specification	
Voltage	9.0 V
Terminal resistance	1.1 Ω
No-load speed	13200 rpm
No-load current	450 mA
Stall torque	55 mNm
Stall current	8170 mA
Nominal torque	8.33 mNm
Nominal speed	11200 rpm
Nominal current	1450 mA
Max. output power	19.03 W
Max. efficiency	75 %
Back-EMF constant	0.68 mV/rpm
Torque constant	7.94 mNm/A
Speed/torque gradient	240 rpm/mNm
Rotor inertia	- g·cm ²
Weight	70 g

Optionen

- None

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1019-10PRC-2

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10prc-2/>



Produkte:

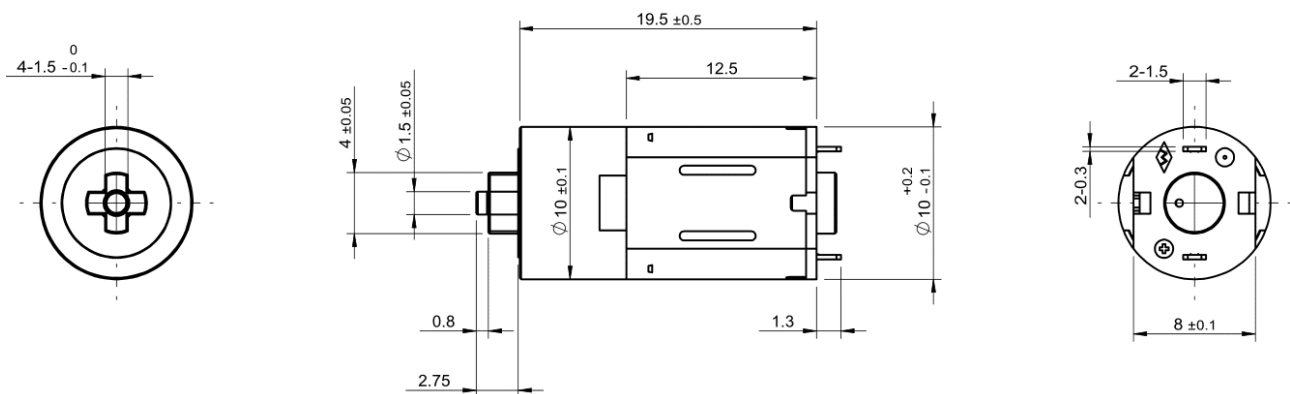
Seite

C1019-10PRC-2C1019-80-3.0-10PRC171-0108

99

C1019-10PRC-2C1019-110-3.0-10PRC171-0078

100



C1019-10PRC-2C1019-80-3.0-10PRC171-0108



10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10prc-2c1019-80-3-0-10prc171-0108/>

Specification	
Voltage	3.0 V
Terminal resistance	10.5 Ω
No-load speed	80 rpm
No-load current	40 mA
Max torque	25 mNm
Load torque	9.8 mNm
Load speed	48 rpm
Load current	140 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10~+70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

C1019—10PRC—2C1019-110-3.0-10PRC171-0078



10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10prc-2c1019-110-3-0-10prc171-0078/>

Specification	
Voltage	3.0 V
Terminal resistance	5.6 Ω
No-load speed	115 rpm
No-load current	75 mA
Max torque	38.0 mNm
Load torque	9.8 mNm
Load speed	85 rpm
Load current	195 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10~+70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

32**—32MP—

32mm planetary gearbox series



<https://www.kocomotion.de/produkt/32-32mp/>



Produkte:

Seite

32**—32MP—3257N9C2B01-54-12.0

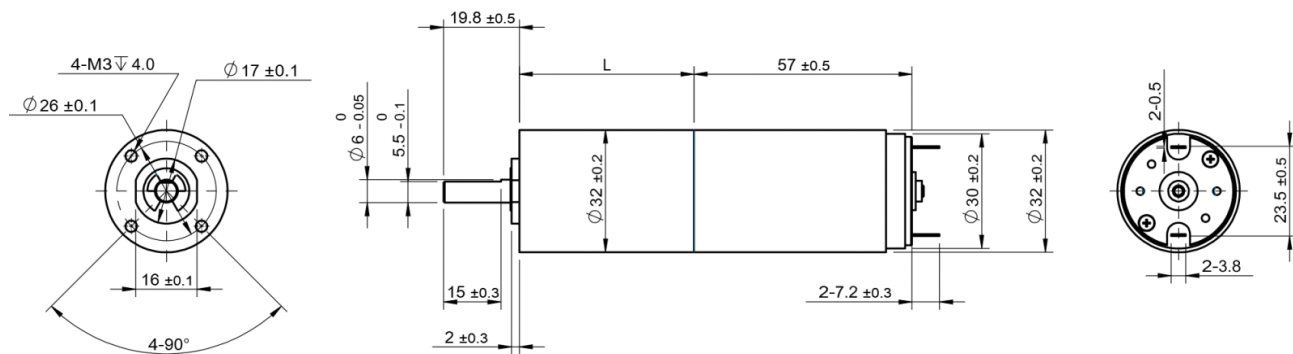
102

32**—32MP—3257N9C2B02-64-24.0

103

32**—32MP—3257N9C2B08-74-12.0

104



32**—32MP—3257N9C2B01- 54-12.0

32mm planetary gearbox series



<https://www.kocomotion.de/produkt/32-32mp-3257n9c2b01-54-12-0/>



Specification	
Voltage	12.0 V
Terminal resistance	0.44 Ω
No-load speed	5440 rpm
No-load current	150 mA
Stall torque	568 mNm
Stall current	27270 mA
Nominal torque	45.5 mNm
Nominal speed	5000 rpm
Nominal current	2320 mA
Max. output power	80.92 W
Max. efficiency	86 %
Back-EMF constant	2.19 mV/rpm
Torque constant	20.95 mNm/A
Speed/torque gradient	9.58 rpm/mNm
Rotor inertia	42 g·cm ²
Weight	230 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

32**—32MP—3257N9C2B02- 64-24.0

32mm planetary gearbox series



<https://www.kocomotion.de/produkt/32-32mp-3257n9c2b02-64-24-0/>



Specification	
Voltage	24.0 V
Terminal resistance	2.3 Ω
No-load speed	6440 rpm
No-load current	100 mA
Stall torque	366.4 mNm
Stall current	10430 mA
Nominal torque	38.5 mNm
Nominal speed	5730 rpm
Nominal current	1190 mA
Max. output power	61 W
Max. efficiency	81 %
Back-EMF constant	3.7 mV/rpm
Torque constant	35.5 mNm/A
Speed/torque gradient	17.5 rpm/mNm
Rotor inertia	42 g·cm ²
Weight	230 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

32**—32MP—3257N9C2B08-74-12.0

32mm planetary gearbox series



<https://www.kocomotion.de/produkt/32-32mp-3257n9c2b08-74-12-0/>



Specification	
Voltage	12.0 V
Terminal resistance	1.84 Ω
No-load speed	7400 rpm
No-load current	100 mA
Stall torque	397.7 mNm
Stall current	13040 mA
Nominal torque	31.8 mNm
Nominal speed	6810 rpm
Nominal current	1130 mA
Max. output power	77 W
Max. efficiency	83 %
Back-EMF constant	3.2 mV/rpm
Torque constant	30.7 mNm/A
Speed/torque gradient	18.6 rpm/mNm
Rotor inertia	42 g·cm ²
Weight	230 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

C1020-10PP-3

10mm 2.5V plastic gearmotor



<https://www.kocomotion.de/produkt/c1020-10pp-3/>

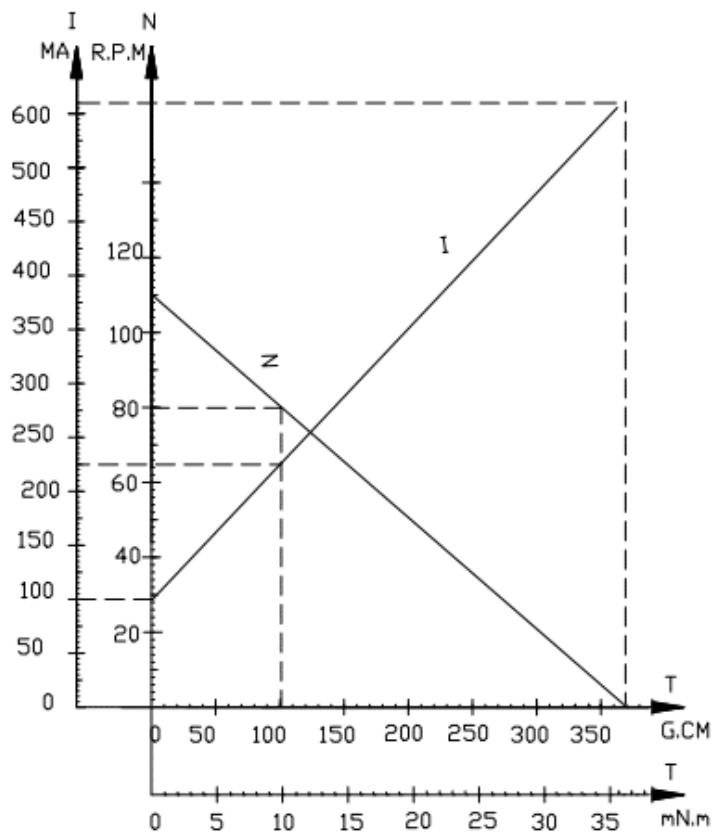
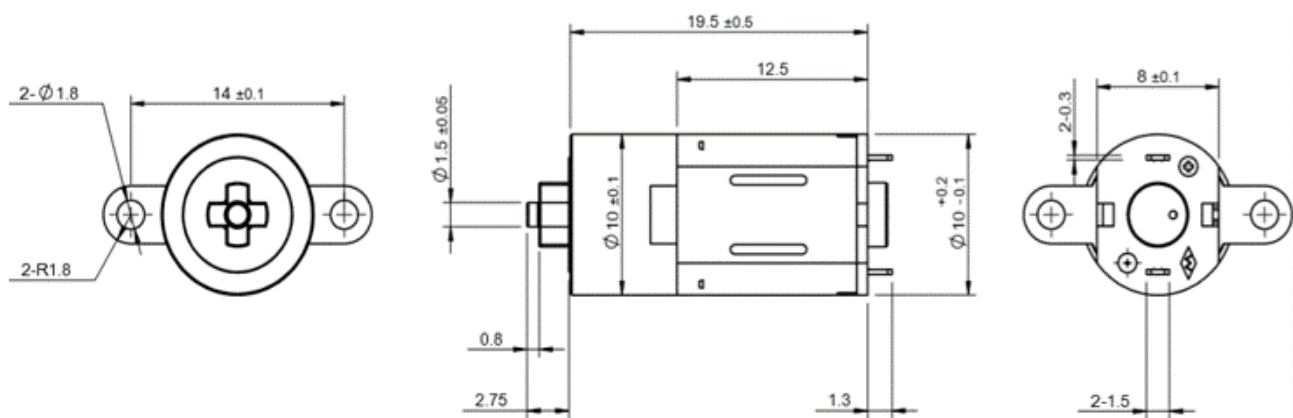


Produkte:

Seite

C1020-10PP-3C1020-110-2.5-10PP171-0052

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C1020—10PP—3C1020-110-2.5-10PP171-0052



10mm 2.5V plastic gearmotor



<https://www.kocomotion.de/produkt/c1020-10pp-3c1020-110-2-5-10pp171-0052/>

Specification	
Voltage	2.5 V
Terminal resistance	3.7 Ω
No-load speed	110 rpm
No-load current	100 mA
Max torque	37.2 mNm
Load torque	9.8 mNm
Load speed	80 rpm
Load current	230 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

C1019-10PP-3

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10pp-3/>

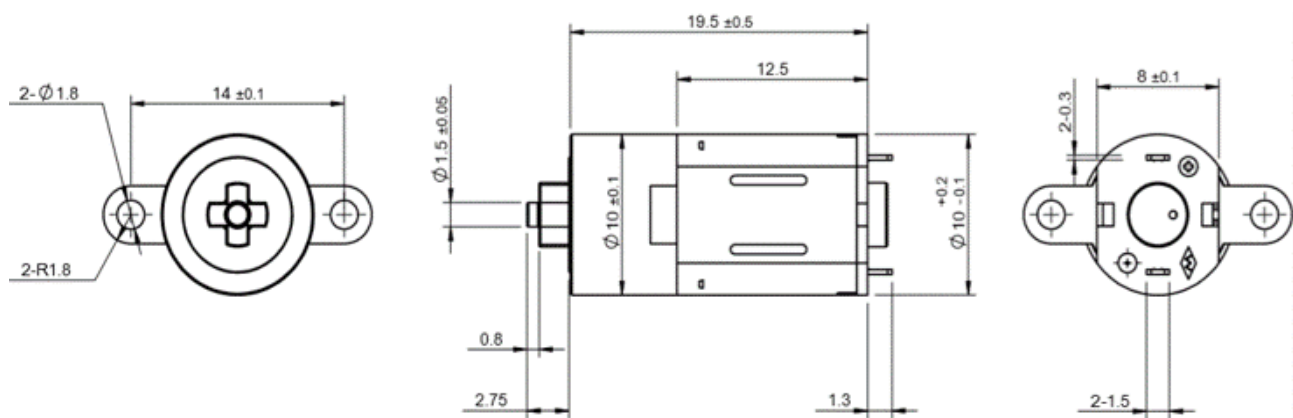


Produkte:

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C1019-10PP-3C1019-110-2.5-10PP171-0050

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C1019-10PP-3C1019-110-2.5-10PP171-0050



10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10pp-3c1019-110-2-5-10pp171-0050/>

Specification	
Voltage	2.5 V
Terminal resistance	3.5 Ω
No-load speed	110 rpm
No-load current	80 mA
Max torque	37.2 mNm
Load torque	9.8 mNm
Load speed	80 rpm
Load current	240 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10~+70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products

C1019—10PFC—3

10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10pfc-3/>

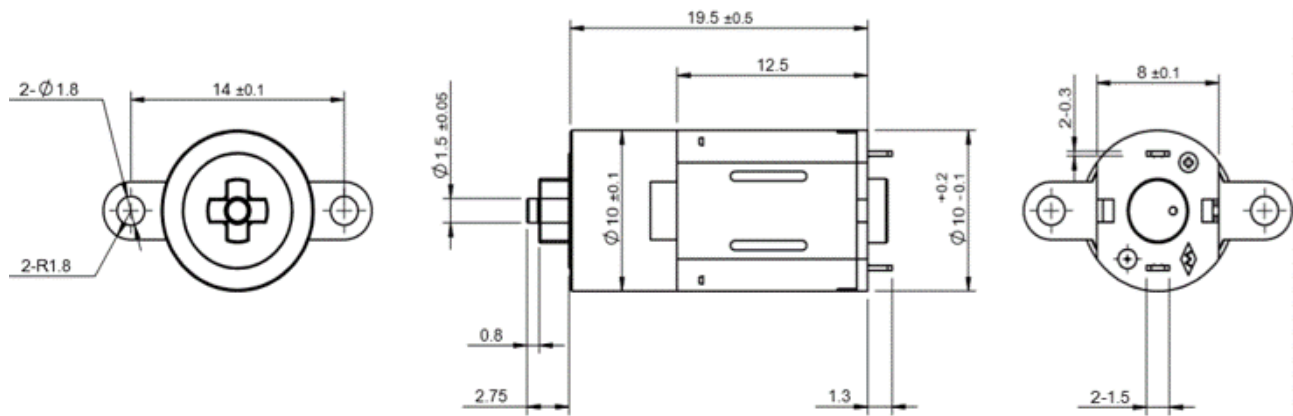


Produkte:

Seite

C1019—10PFC—C1019-180-3.0-10PFC171-0097

110



C1019—10PFC—C1019-180-3.0-10PFC171-0097



10mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1019-10pfc-c1019-180-3-0-10pfc171-0097/>

Specification	
Voltage	3 V
Terminal resistance	1.8 Ω
No-load speed	178 rpm
No-load current	90 mA
Max torque	72 mNm
Load torque	9.8 mNm
Load speed	153 rpm
Load current	320 mA
Reduction ratio	1/171
Weight	3.8 g
Operating temperature range	-10~+70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

C1222-12PP-

12mm 5V planetary gearbox motor



<https://www.kocomotion.de/produkt/c1222-12pp/>



Produkte:

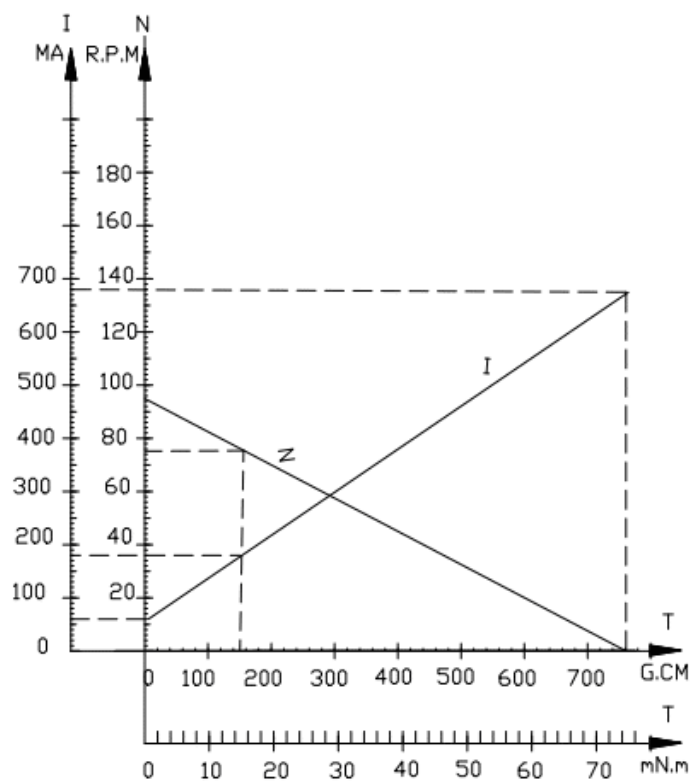
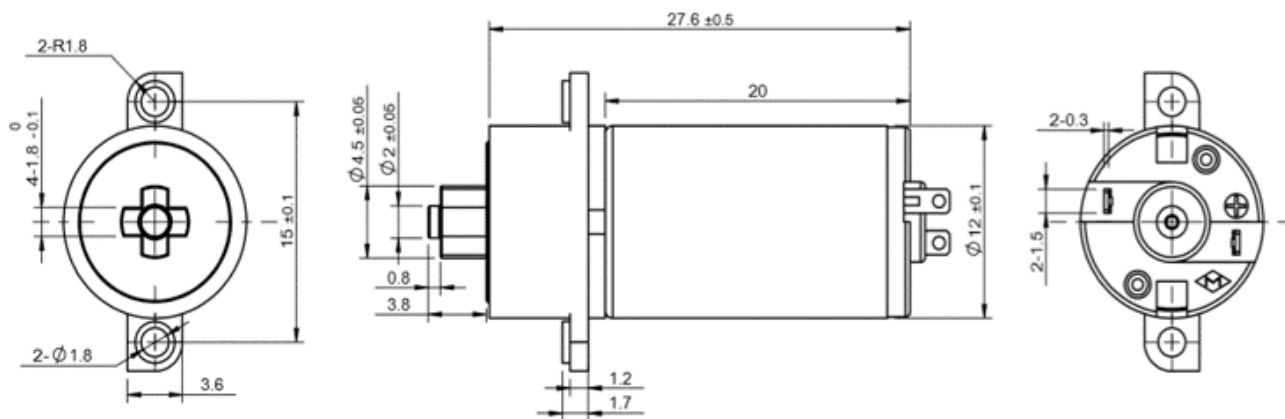
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C1222-12PP-C1222-95-2.5-12PP120-0141

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C1222-12PP-C1222-88-5.0-12PP120-0142

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C1222-12PP-C1222-95-2.5-12PP120-0141



12mm 5V planetary gearbox motor



<https://www.kocomotion.de/produkt/c1222-12pp-c1222-95-2-5-12pp120-0141/>

Specification	
Voltage	2.5 V
Terminal resistance	3.5 Ω
No-load speed	95 rpm
No-load current	60 mA
Max torque	68.6 mNm
Load torque	14.7 mNm
Load speed	75 rpm
Load current	180 mA
Reduction ratio	1/120
Weight	6.5 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

C1222-12PP-C1222-88-5.0-12PP120-0142



12mm 5V planetary gearbox motor



<https://www.kocomotion.de/produkt/c1222-12pp-c1222-88-5-0-12pp120-0142/>

Specification	
Voltage	5 V
Terminal resistance	17.8 Ω
No-load speed	88 rpm
No-load current	35 mA
Max torque	62.7 mNm
Load torque	14.7 mNm
Load speed	66 rpm
Load current	100 mA
Reduction ratio	1/120
Weight	6.5 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products

C1222-12PFC-

12mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1222-12pfc/>

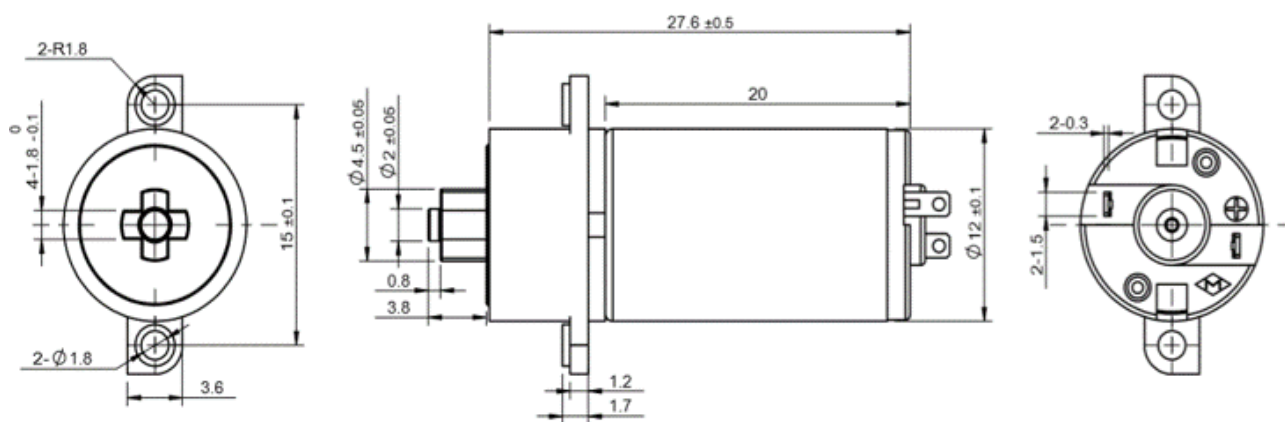


Produkte:

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C1222-12PFC-C1222-80-2.5-12PFC120-0228

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C1222-12PFC-C1222-80-2.5-12PFC120-0228



12mm planetary gearbox series



<https://www.kocomotion.de/produkt/c1222-12pfc-c1222-80-2-5-12pfc120-0228/>

Specification	
Voltage	2.5 V
Terminal resistance	5.3 Ω
No-load speed	80 rpm
No-load current	50 mA
Max torque	50 mNm
Load torque	15 mNm
Load speed	56 rpm
Load current	185 mA
Reduction ratio	1/120
Weight	6.5 g
Operating temperature range	-10 +70 °C

Optionen

- lead wires length
- special coils

Anwendungen

- medical equipment
- security systems and locks
- audio and visual products
- personal healthcare products
- high-end hobby products



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