LOW-BACKLASH PLANETARY GEARS

RUHRGETRIEBE

RGM - THE COMPANY

YOUR SATISFACTION IS OUR HIGHEST AIM

For more than 65 years we have been manufacturing worm gears and wormgeared motors which are used in almost all industrial sectors.

We have expanded our product range to include low-backlash planetary gears. With these high-quality planetary gears we now also extensively cover the field of coaxial gears – which means even more possibilities for you.

With our many years of experience of drive technology we are also able to guarantee a high level of manufacturing quality and a very good price-performance ratio for planetary gears.

With personal advice and genuine problem-solving skills we ensure, in addition to an extensive product range with a wide variety of drives, that we reliably find the right solution for individual customer requirements - also from the economic perspective.

The fact that many individual components of gears and motors are still available in stock even after many years speaks for the longevity of the products and the quality of the service. This strengthens customer loyalty and forms the basis for the good reputation of our company over the long term. No matter whether individual or large series orders are involved, many RUHRGETRIEBE customers have been purchasing drive technology “Made in Mülheim an der Ruhr” for more than 30 years. As we are an owner-managed company, you can expect us to provide you with quality, skills and speed.

Your contact persons at our company can be reached by the shortest route.

Telephone: +49 208 780680
info@ruhrgetriebe.de

YOU CAN BE CERTAIN OF THE FOLLOWING:

- **Quality**
- **Innovation**
- **Cost effectiveness**
- **Short delivery times**
- **Reliability**
- **Flexibility**

TERMS OF DELIVERY

The “General Terms and Conditions of Delivery for Products and Services of the Electrical Industry”, supplemented by the RUHRGETRIEBE Terms and Conditions, apply exclusively to all deliveries and services.

Dimensions, illustrations and descriptions are not binding for the design.

OUR PHILOSOPHY

OUR DRIVE - WHAT MOVES US

RUHRGETRIEBE

Customers and satisfaction

As an innovative company, our aim is the highest level of customer satisfaction. Our work and incentives are determined according to the wishes of our customers.

Quality and Customer Demands

The quality of our products satisfies the highest customer demands. Quality assurance and optimisation of the processes are important preconditions - and we are of course ISO 9001 certified.

Honesty and Acceptance

We act in a fair and honest manner on a basis of trust. We also expect this from our customers, employees and suppliers. Only in this way can long-term relationships be created and maintained through the trust and acceptance placed in us.

Trust and the Future

Our employees work independently and on their own responsibility. Through the liberal management of our company we create space for them to develop their own ideas, which not only benefit our customers, but also secure our future. We have confidence in our employees and maintain long-term and lasting working relationships with them.

Responsibility for People and the Environment

Health and safety in the workplace are our top priorities. We actively protect the environment through the use of the latest technologies. This ensures the health of our employees, reduces energy consumption and protects the environment and resources.


TÜV NORD

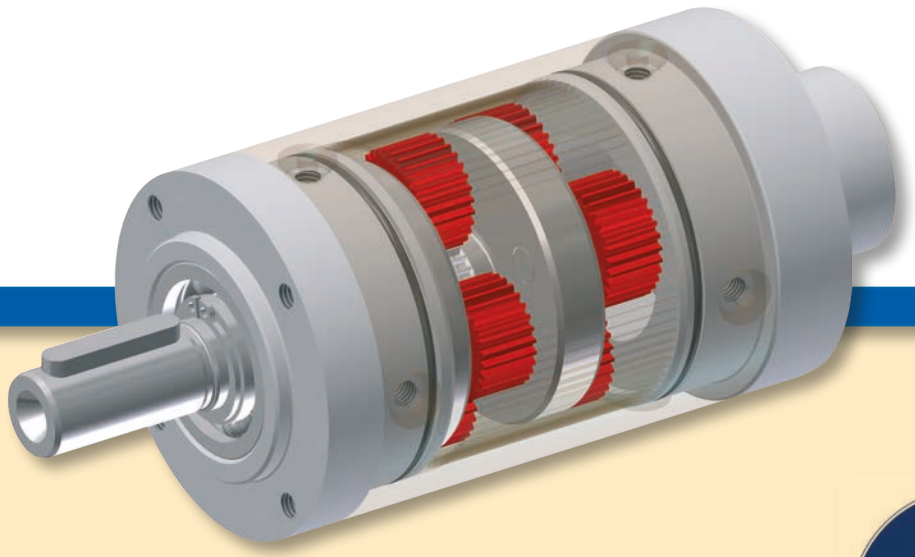
ZERTIFIKAT

für das Managementsystem nach
DIN EN ISO 9001 : 2015

Ruhrgetriebe KG
Am Förderturm 29
45472 Mülheim a. d. Ruhr
Deutschland

RUHRGETRIEBE

Entwicklung, Herstellung und Vertrieb von Schneckengetriebemotoren

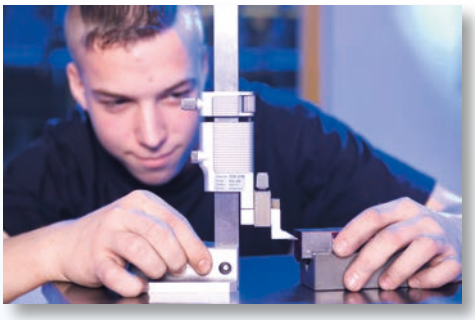


TÜV NORD
TÜV NORD CERT GmbH
DIN EN ISO 9001
Freiwillige Zertifizierung

WE ARE CERTIFIED ACCORDING TO DIN ISO 9001: 2008

OUR TEAM OF EXPERTS

PERSONALITY AND QUALIFICATION

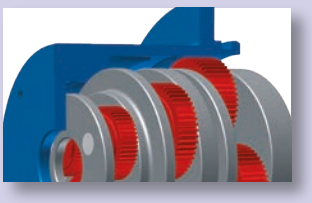


In addition to permanent investments in modern production facilities, the continual qualification of our 70-strong team in development, production and sales is very important to us.

The quality awareness of all employees of our family business and the motivated teamwork in all areas of the company guarantee that our level remains consistently high. It goes without saying that we have been certified according to EN ISO 9001 since 1996.

RUHRGETRIEBE is a recognised training company. We offer apprenticeships because, as a medium-sized company, we assume social responsibility.
And we know: the best employees are the ones we have trained ourselves.

FOR US, THE SPOTLIGHT IS ON YOUR APPLICATION



Project Development

Quality Assurance

Vertical Range of Manufacture

Series Production

PLANETARY GEARS

SUITABLE FOR YOUR APPLICATION

RUHRGETRIEBE

Skills and experience are irreplaceable.

For over 60 years we have been at home in the world of drive technology. It is therefore not surprising that our drive solutions convince our customers with their outstanding technical performance.

In addition to the gear technology, we also advise you if your application places special requirements on the drive unit. Do you require a holding brake or an encoder for positioning purposes? We will be pleased to put together a complete system for your application.

MODULAR PLANETARY GEAR UNITS

THE FAST ROUTE TO YOUR DRIVE

Basic modular elements

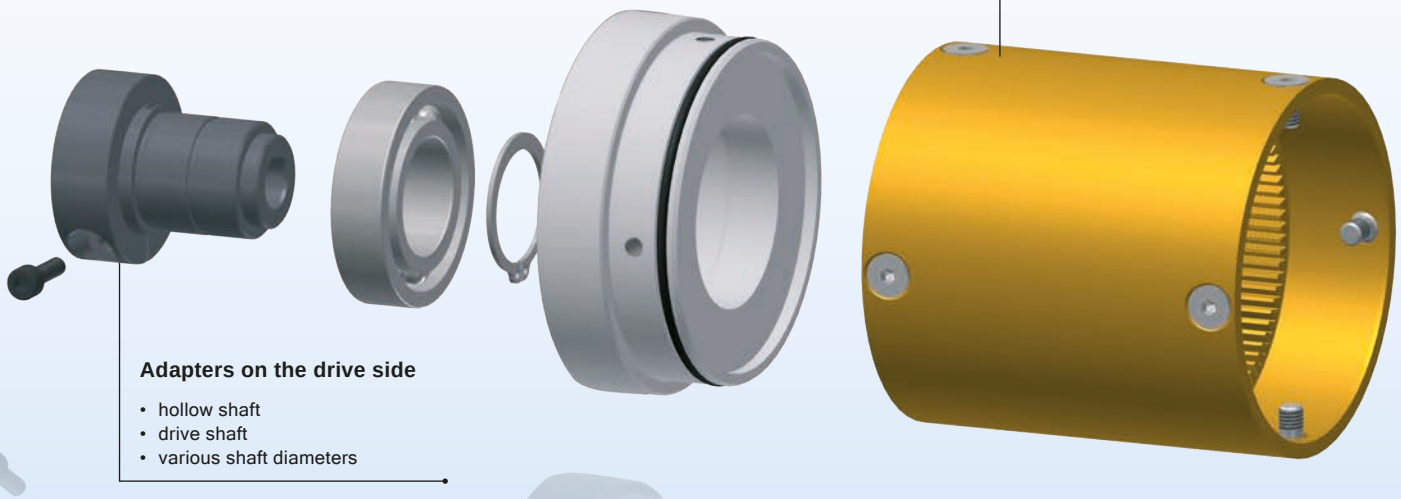
- pre-configured for you.

Based on our many years of experience, we have already pre-configured the most common modular systems for you.

This provides you with a solution which is technically and economically mature in every respect for the majority of applications. A further advantage: we can guarantee short delivery times for the basic modular elements.

Gear sizes and stages

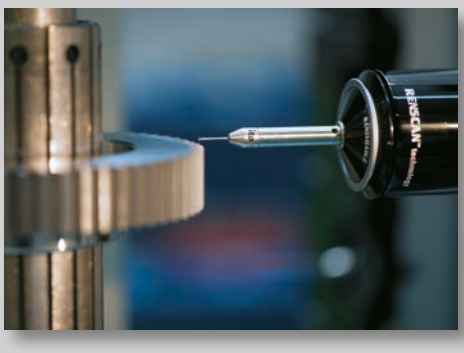
- 40, 50, 60, 70, 80, 90 customer-specific
- 1-stage
- 2-stage
- 3-stage



Adapters on the drive side

- hollow shaft
- drive shaft
- various shaft diameters

Hollow shaft with centering bushing	+	Motor adapter (IEC Standard / Servo)	+	Gear size 60 2-stage	+	Transmission ratio 1 : 20	+



OUR LOW-BACKLASH PLANETARY GEARS ARE DESIGNED ACCORDING TO THE FOLLOWING PARAMETERS:

- **Torque**
- **Precision**
- **Rotational speed and dynamics**
- **Adaptation to interfaces**

RUHRGETRIEBE

Transmission ratios per gear stage

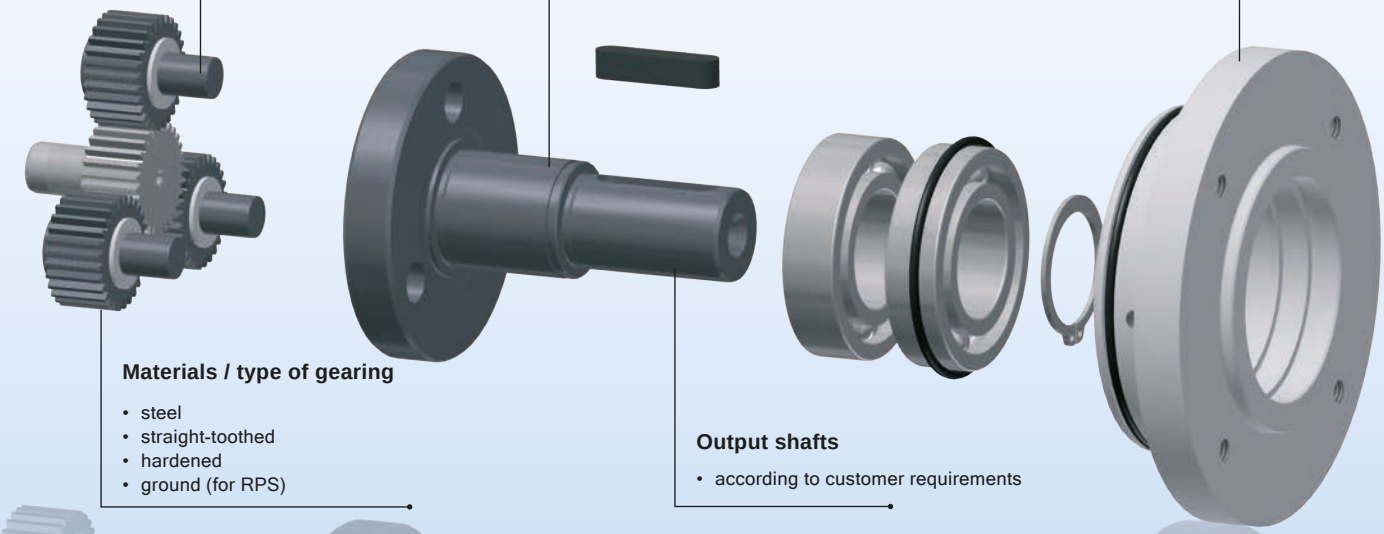
- 3:1
- 4:1
- 5:1
- 7:1
- 8:1
- 10:1

Shaft with feather key

(or ungrooved shaft possible)

Flange on the output side

- B14
- other flange dimensions available on request



Materials / type of gearing

- steel
- straight-toothed
- hardened
- ground (for RPS)

Output shafts

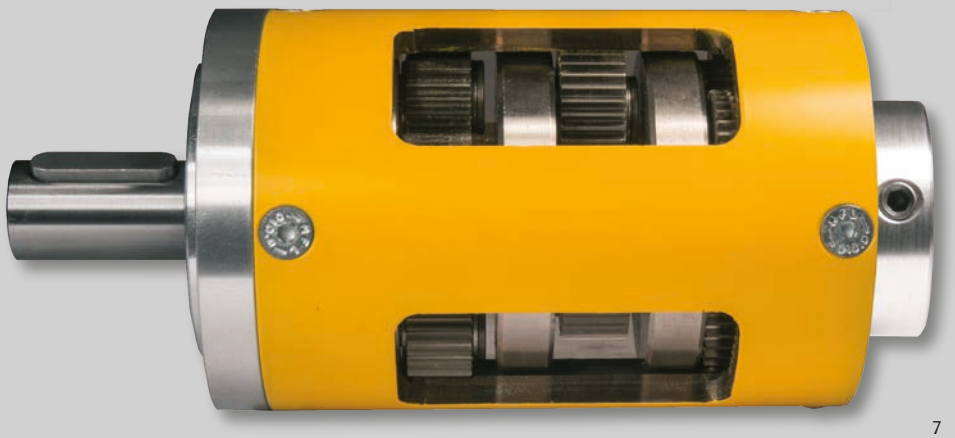
- according to customer requirements

Shaft length 66 mm
Diameter 12 mm

+

Output flange
customer-specific

=



RPS PLANETARY GEARS

- **Large range of transmission ratios i = 3 to i = 512 (24 transmission ratios possible)**
- **High performance density**
- **Very quiet running**
- **High overload capacity**
- **Low weight**

RPS PLANETARY GEARS

Diameter of the gear housing (mm)		40	60	80
Nominal output torque (Nm)		14 - 16	26 - 39	64 - 92
Acceleration torque (Nm)		23 - 25	52 - 68	128 - 184
Emergency stop torque (Nm)		34 - 36	70 - 88	172 - 236
Transmission ratio	1-stage	4, 5, 7, 8	3, 4, 5, 7, 8	3, 4, 5, 7, 8
	2-stage	16, 20, 25, 28, 32, 35, 40, 49, 56, 64	12, 15, 16, 20, 25, 32, 40, 49, 56, 64	12, 15, 16, 20, 25, 32, 40, 49, 56, 64
	3-stage		80, 100, 125, 160, 200, 256, 512	80, 100, 125, 160, 200, 256, 512
Circumferential backlash (arcmin)	1-stage	<=15	<=10	<=7
	2-stage	<=19	<=12	<=9
	3-stage		<=15	<=11

WHAT CAN WE DO FOR YOU?

We will be pleased to assist you personally and look forward to working on joint challenges and projects:

Telephone: +49 (0) 208 780680

Email: info@ruhrgetriebe.de

For further information please visit **www.ruhrgetriebe.de**

RPL PLANETARY GEAR

- **High torsional stiffness**
- **Robust output bearing, high radial and axial forces permitted**
- **Long service life**
- **Short construction type**

RPL PLANETARY GEAR

Diameter of the gear housing (mm)		50	70	90
Nominal output torque (Nm)		7	23 - 24	37 - 60
Acceleration torque (Nm)		14	46 - 48	74 - 120
Emergency stop torque (Nm)		21	69 - 72	111 - 180
Transmission ratio	1-st.	5, 7, 10	3, 5, 7, 10	3, 5, 7, 10
	2-st.	25, 30, 35, 50, 70, 100	15, 25, 30, 35, 50, 70, 100	15, 25, 30, 35, 50, 70, 100
Circumferential backlash (arcmin)	1-st.	<=10	<=8	<=8
	2-st.	<=14	<=12	<=11

A SUMMARY OF THE ADVANTAGES TO YOU:

Minimal circumferential backlash
enables the greatest positioning accuracy

Simple assembly
fast and uncomplicated assembly keeps installation and maintenance times to a minimum

Any installation position
reliably ready for use in all situations

Lifetime lubrication
maintenance-free over the entire service life

Customer-specific configuration
with regard to torque, rotational speed and adaptation to interfaces

Flanges & adapter sleeves
for all common motors

High output torques
permanently high load-bearing capacity over the entire service life

High efficiency levels
efficient use of energy is becoming increasingly important

RPS PLANETARY GEARS

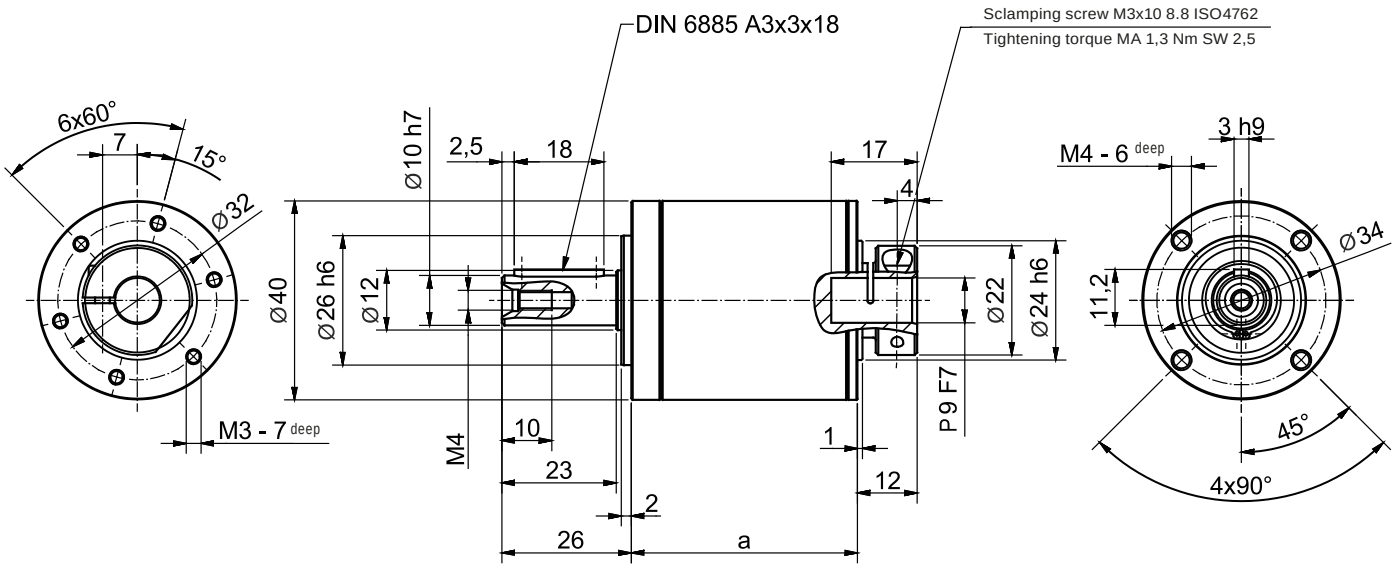
STRENGTHS OF THE RPS RANGE:

The special feature of the RPS range is its low dead weight. This enables high power densities to be achieved.

These planetary gears are also suitable for applications with high weight requirements, such as axle movements during dynamic operation.

Up to three planetary stages ensure a large selection of gear ratios.
You can select from transmission ratios from i = 3 to i = 512.

Is your installation space limited? If so, you can choose from the versions with a 40 mm, 60 mm and 80 mm outer diameter.



RPS040 Planetary Gear

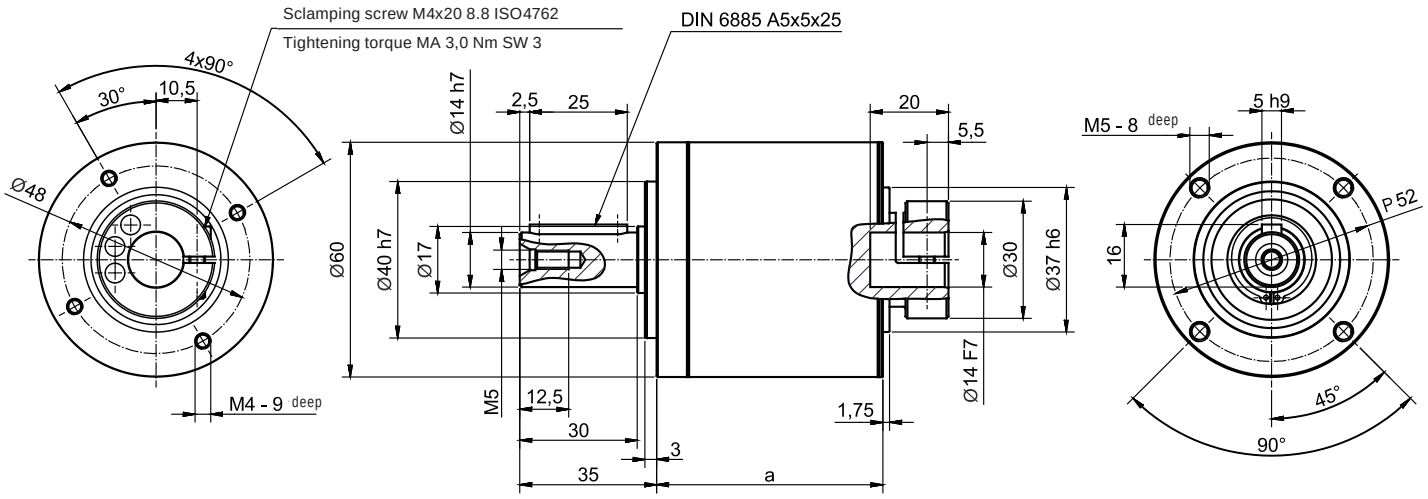
Dimensions with gear stages	a	Weight
1-stage	45,5 mm	0,3 kg
2-stage	67 mm	0,4 kg

RPS040 Performance Data

i tot.	Stages	Nominal drive speed n_1 [rpm]	Max. drive speed n_1 max. [rpm]	Nominal torque T_{2N} *1 [Nm]	Max. acceleration torque T_{2B} *2 [Nm]	Emergency stop torque T_{2EMG} *3 [Nm]	Circumferential backlash jt [arcmin]	Efficiency level η [%]	Torsional stiffness c_t [Nm/arcmin]	Mass moment of inertia J_1 *4 [kgcm²]
4	1	4500	8000	16	25	36	<= 15	> 97	1	0,022
5	1	4500	8000	14	23	34	<= 15	> 97	1	0,019
7	1	4500	8000	14	23	34	<= 15	> 97	1	0,018
8	1	4500	8000	14	23	34	<= 15	> 97	1	0,017
16	2	4500	8000	16	25	36	<= 19	> 94	1,1	0,022
20	2	4500	8000	16	25	36	<= 19	> 94	1,1	0,019
25	2	4500	8000	14	23	34	<= 19	> 94	1,1	0,019
28	2	4500	8000	16	25	36	<= 19	> 94	1,1	0,017
32	2	4500	8000	16	25	36	<= 19	> 94	1,1	0,017
35	2	4500	8000	14	23	34	<= 19	> 94	1,1	0,017
40	2	4500	8000	14	23	34	<= 19	> 94	1,1	0,016
49	2	4500	8000	14	23	34	<= 19	> 94	1,1	0,018
56	2	4500	8000	14	23	34	<= 19	> 94	1,1	0,017
64	2	4500	8000	14	23	34	<= 19	> 94	1,1	0,016

*1 Service life 20,000 h, n2 = 100 rpm
*2 (max. 1000 cycles an hour. T2B share <5% of the total running time)
*3 (max. 1000 cycles during the lifetime of the gears)
*4 relative to the drive shaft

Fluid grease lubrication (lifetime-lubricated)
Any installation position
Sound pressure level at a distance of 1 m, measured at a drive speed of 3000 rpm < 65 db(A)
Max. axial force relative to the centre of the output shaft: 200 N, n2 = 100 rpm
Max. radial force relative to the centre of the output shaft: 200 N, n2 = 100 rpm
Temperature range: -25 °C to +90 °C



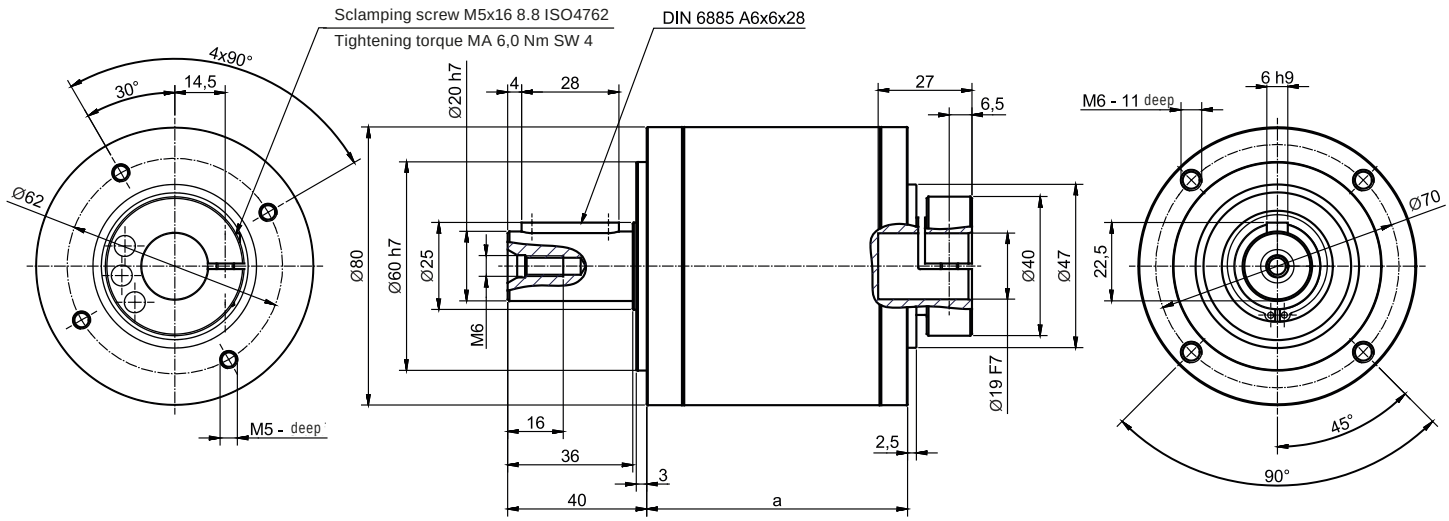
RPS060 Planetary Gear

Dimensions with gear stages	a	Weight
1-stage	58 mm	0,9 kg
2-stage	83 mm	1,2 kg
3-stage	108 mm	1,6 kg

RPS060 Performance Data

i tot.	Stages	Nominal drive speed n_1 [rpm]	Max. drive speed n_1 max. [rpm]	Nominal torque T_{2N} *1 [Nm]	Max. acceleration torque T_{2B} *2 [Nm]	Emergency stop torque T_{2EMG} *3 [Nm]	Circumferential backlash jt [arcmin]	Efficiency level η [%]	Torsional stiffness c_t [Nm/arcmin]	Mass moment of inertia J_1 *4 [kgcm²]
3	1	3000	6000	30	60	80	<= 10	> 97	1,5	0,17
4	1	3000	6000	39	68	88	<= 10	> 97	1,5	0,13
5	1	3000	6000	28	56	74	<= 10	> 97	1,5	0,11
7	1	3000	6000	26	52	70	<= 10	> 97	1,5	0,1
8	1	3000	6000	27	54	72	<= 10	> 97	1,5	0,1
12	2	3000	6000	30	60	80	<= 12	> 94	1,5	0,17
15	2	3000	6000	30	60	80	<= 12	> 94	1,5	0,11
16	2	3000	6000	39	68	88	<= 12	> 94	1,5	0,13
20	2	3000	6000	39	68	88	<= 12	> 94	1,5	0,11
25	2	3000	6000	28	56	74	<= 12	> 94	1,5	0,11
32	2	3000	6000	39	68	88	<= 12	> 94	1,5	0,1
40	2	3000	6000	28	56	74	<= 12	> 94	1,5	0,1
49	2	3000	6000	26	52	70	<= 12	> 94	1,5	0,1
56	2	3000	6000	26	52	70	<= 12	> 94	1,5	0,1
64	2	3000	6000	27	54	72	<= 12	> 94	1,5	0,1
80	3	3000	6000	39	68	88	<= 15	> 91	1,5	0,11
100	3	3000	6000	39	68	88	<= 15	> 91	1,5	0,11
125	3	3000	6000	28	56	74	<= 15	> 91	1,5	0,11
160	3	3000	6000	39	68	88	<= 15	> 91	1,5	0,1
200	3	3000	6000	28	56	74	<= 15	> 91	1,5	0,1
256	3	3000	6000	39	68	88	<= 15	> 91	1,5	0,1
512	3	3000	6000	27	54	72	<= 15	> 91	1,5	0,1

*1 Service life 20,000 h, n_2 = 100 rpm
*2 (max 1000 cycles an hour. T2B share <5% of the total running time)
*3 (max. 1000 cycles during the lifetime of the gears)
*4 relative to the drive shaft
Fluid grease lubrication (lifetime-lubricated)
Any installation position
Sound pressure level at a distance of 1 m, measured at a drive speed of 3000 rpm < 65 db(A)
Max. axial force relative to the centre of the output shaft: 500 N, n_2 = 100 rpm
Max. radial force relative to the centre of the output shaft: 400 N, n_2 = 100 rpm
Temperature range: -25 °C to +90 °C



RPS080 Planetary Gear

Dimensions with gear stages	a	Weight
1-stage	75 mm	1,9 kg
2-stage	104 mm	2,6 kg
3-stage	133 mm	3,4 kg

RPS080 Performance Data

i tot.	Stages	Nominal drive speed n_1 [rpm]	Max. drive speed n_1 max. [rpm]	Nominal torque T_{2N} *1 [Nm]	Max. acceleration torque T_{2B} *2 [Nm]	Emergency stop torque T_{2EMG} *3 [Nm]	Circumferential backlash jt [arcmin]	Efficiency level η [%]	Torsional stiffness c_t [Nm/arcmin]	Mass moment of inertia J_1 *4 [kgcm²]
3	1	3500	6000	70	140	190	<= 7	> 97	5,8	0,7
4	1	3500	6000	92	184	236	<= 7	> 97	6	0,53
5	1	3500	6000	67	134	181	<= 7	> 97	5,6	0,44
7	1	3500	6000	65	130	175	<= 7	> 97	5,5	0,39
8	1	3500	6000	64	128	172	<= 7	> 97	5,5	0,37
12	2	3500	6000	70	140	190	<= 9	> 94	6	0,7
15	2	3500	6000	70	140	190	<= 9	> 94	5,8	0,45
16	2	3500	6000	92	184	236	<= 9	> 94	6	0,53
20	2	3500	6000	92	184	236	<= 9	> 94	6	0,44
25	2	3500	6000	67	134	181	<= 9	> 94	5,6	0,44
32	2	3500	6000	92	184	236	<= 9	> 94	6	0,37
40	2	3500	6000	67	134	181	<= 9	> 94	5,6	0,37
49	2	3500	6000	65	130	175	<= 9	> 94	5,5	0,39
56	2	3500	6000	65	130	175	<= 9	> 94	5,5	0,39
64	2	3500	6000	64	128	172	<= 9	> 94	5,5	0,37
80	3	3500	6000	92	184	236	<= 11	> 91	6	0,45
100	3	3500	6000	92	184	236	<= 11	> 91	6	0,44
125	3	3500	6000	67	134	181	<= 11	> 91	5,6	0,44
160	3	3500	6000	92	184	236	<= 11	> 91	6	0,37
200	3	3500	6000	67	134	181	<= 11	> 91	5,6	0,37
256	3	3500	6000	92	184	236	<= 11	> 91	6	0,37
512	3	3500	6000	64	128	172	<= 11	> 91	5,5	0,37

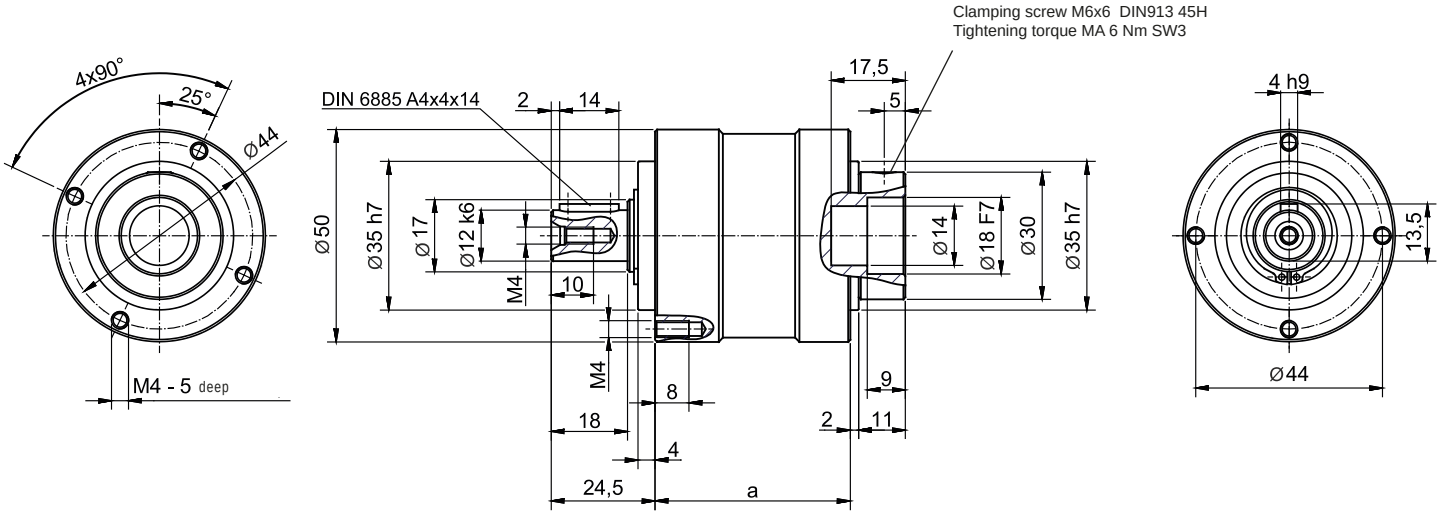
*1 Service life 20,000 h, n_2 = 100 rpm
*2 (max. 1000 cycles an hour. T2B share <5% of the total running time)
*3 (max. 1000 cycles during the lifetime of the gears)
*4 relative to the drive shaft
Fluid grease lubrication (lifetime-lubricated)
Any installation position
Sound pressure level at a distance of 1 m, measured at a drive speed of 3000 rpm < 65 db(A)
Max. axial force relative to the centre of the output shaft: 1000 N, n_2 = 100 rpm
Max. radial force relative to the centre of the output shaft: 750 N, n_2 = 100 rpm
Temperature range: -25 °C to +90 °C

RPL PLANETARY GEAR

STRENGTHS OF THE RPL RANGE:

The RPL range is characterised by a very robust design. The hollow gears and output shafts used are designed in such a way that high torsional stiffness levels are possible. Planetary gears are also ideal for use in applications with large radial or axial loads.

Due to the gear ratio of i=10 in the first planetary gear stage, ratios of up to i=100 can be achieved in the 2-stage version.



RPL050 Planetary Gear

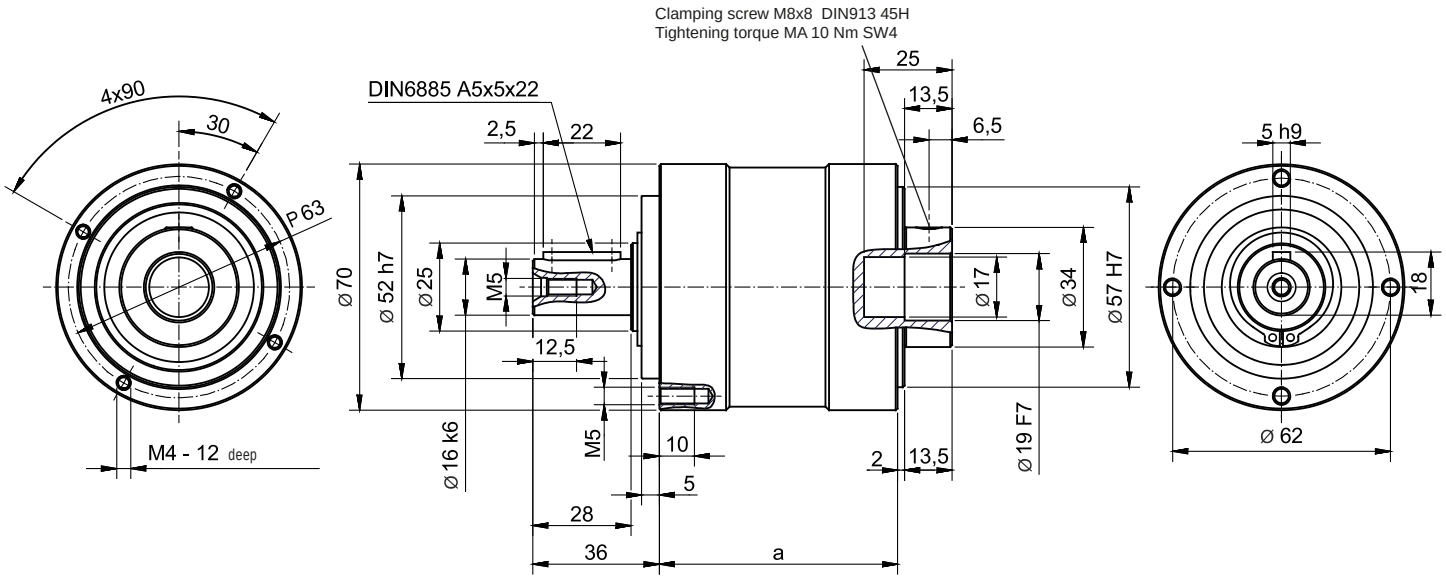
Dimensions with gear stages	a	Weight
1-stage	48 mm	0,6 kg
2-stage	64 mm	0,8 kg

RPL050 Performance Data

i tot.	Stages	Nominal drive speed n_1 [rpm]	Max. drive speed n_1 max. [rpm]	Nominal torque T_{2N} *1 [Nm]	Max. acceleration torque T_{2B} *2 [Nm]	Emergency stop torque T_{2EMG} *3 [Nm]	Circumferential backlash jt [arcmin]	Efficiency level η [%]	Torsional stiffness c_t [Nm/arcmin]	Mass moment of inertia J_1 *4 [kg cm²]
5	1	4000	8000	7	14	21	<= 10	> 97	0,9	0,06
7	1	4000	8000	7	14	21	<= 10	> 97	0,9	0,06
10	1	4000	8000	7	14	21	<= 10	> 97	0,75	0,06
25	2	4000	8000	7	14	21	<= 14	> 95	0,9	0,052
35	2	4000	8000	7	14	21	<= 14	> 95	0,9	0,052
50	2	4000	8000	7	14	21	<= 14	> 95	0,9	0,052
70	2	4000	8000	7	14	21	<= 14	> 95	0,9	0,052
100	2	4000	8000	7	14	21	<= 14	> 95	0,75	0,052

*1 Service life 20,000 h, n_2 = 100 rpm
*2 (max. 1000 cycles an hour. T2B share <5% of the total running time)
*3 (max. 1000 cycles during the lifetime of the gears)
*4 relative to the drive shaft

Fluid grease lubrication (lifetime-lubricated)
Any installation position
Sound pressure level at a distance of 1 m, measured at a drive speed of 3000 rpm < 68 db(A)
Max. axial force relative to the centre of the output shaft: 700 N, n_2 = 100 rpm
Max. radial force relative to the centre of the output shaft: 650 N, n_2 = 100 rpm
Temperature range: -25 °C to +90 °C



RPL070 Planetary Gear

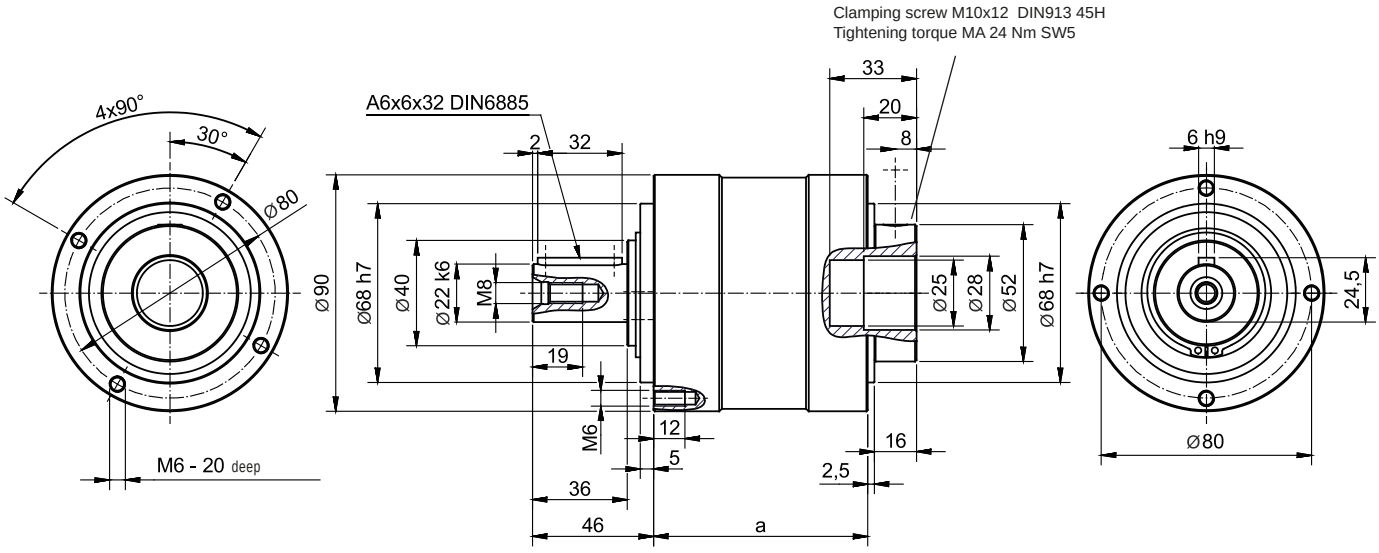
Dimensions with gear stages	a	Weight
1-stage	70 mm	1,8 kg
2-stage	91.5 mm	2,3 kg

RPL070 Performance Data

i tot.	Stages	Nominal drive speed n_1 [rpm]	Max. drive speed n_1 max. [rpm]	Nominal torque T_{2N} *1 [Nm]	Max. acceleration torque T_{2B} *2 [Nm]	Emergency stop torque T_{2EMG} *2 [Nm]	Circumferential backlash jt [arcmin]	Efficiency level η [%]	Torsional stiffness c_t [Nm/arcmin]	Mass moment of inertia J_1 *4 [kg cm²]
3	1	3700	6000	23	46	69	<= 8	> 97	3,30	0,029
5	1	3700	6000	24	48	72	<= 8	> 97	3,30	0,029
7	1	3700	6000	23	46	69	<= 8	> 97	3,30	0,029
10	1	3700	6000	23	46	69	<= 8	> 97	2,80	0,029
15	2	3700	6000	24	48	72	<= 12	> 95	3,30	0,026
25	2	3700	6000	24	48	72	<= 12	> 95	3,30	0,026
30	2	3700	6000	23	46	69	<= 12	> 95	3,30	0,026
35	2	3700	6000	24	48	72	<= 12	> 95	3,30	0,026
50	2	3700	6000	24	48	72	<= 12	> 95	3,30	0,026
70	2	3700	6000	23	46	69	<= 12	> 95	3,30	0,026
100	2	3700	6000	23	46	69	<= 12	> 95	2,80	0,026

*1 Service life 20,000 h, n_2 = 100 rpm
*2 (max. 1000 cycles an hour. T2B share <5% of the total running time)
*3 (max. 1000 cycles during the lifetime of the gears)
*4 relative to the drive shaft

Fluid grease lubrication (lifetime-lubricated)
Any installation position
Sound pressure level at a distance of 1 m, measured at a drive speed of 3000 rpm < 70 db(A)
Max. axial force relative to the centre of the output shaft: 1550 N, n_2 = 100 rpm
Max. radial force relative to the centre of the output shaft: 1450 N, n_2 = 100 rpm
Temperature range: -25 °C to +90 °C



RPL090 Planetary Gear

Dimensions with gear stages	a	Weight
1-stage	84 mm	3,7 kg
2-stage	110 mm	4,6 kg

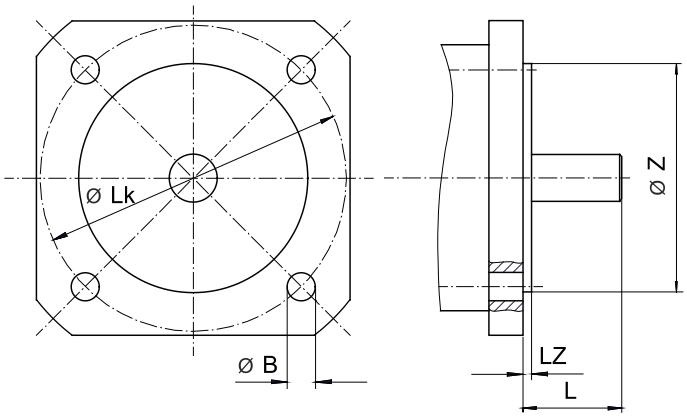
RPL090 Performance Data

i tot.	Stages	Nominal drive speed n_1 [rpm]	Max. drive speed n_1 max. [rpm]	Nominal torque T_{2N} *1 [Nm]	Max. acceleration torque T_{2B} *2 [Nm]	Emergency stop torque T_{2EMG} *3 [Nm]	Circumferential backlash jt [arcmin]	Efficiency level η [%]	Torsional stiffness c_t [Nm/arcmin]	Mass moment of inertia J_1 *4 [kg cm²]
3	1	3400	6000	60	120	180	<= 8	> 97	9,00	1,73
5	1	3400	6000	50	100	150	<= 8	> 97	9,00	1,73
7	1	3400	6000	50	100	150	<= 8	> 97	9,00	1,73
10	1	3400	6000	37	74	111	<= 8	> 97	7,50	1,73
15	2	3400	6000	60	120	180	<= 11	> 95	9,00	1,48
25	2	3400	6000	50	100	150	<= 11	> 95	9,00	1,48
30	2	3400	6000	60	120	180	<= 11	> 95	9,00	1,48
35	2	3400	6000	50	100	150	<= 11	> 95	9,00	1,48
50	2	3400	6000	50	100	150	<= 11	> 95	9,00	1,48
70	2	3400	6000	50	100	150	<= 11	> 95	9,00	1,48
100	2	3400	6000	37	74	111	<= 11	> 95	7,50	1,48

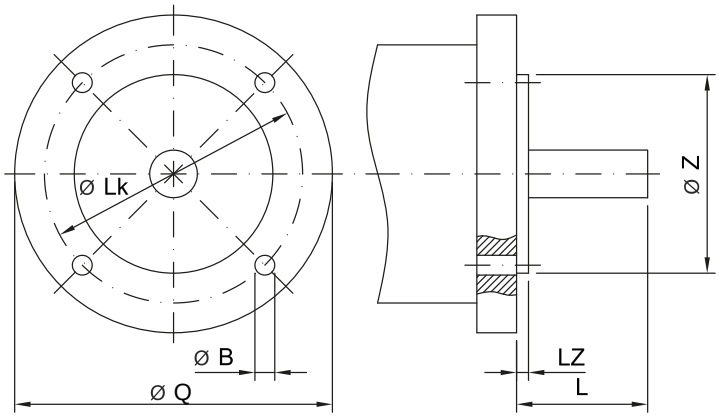
*1 Service life 20,000 h, n_2 = 100 rpm
*2 (max 1000 cycles an hour. T2B share <5% of the total running time)
*3 (max. 1000 cycles during the lifetime of the gears)
*4 relative to the drive shaft

Fluid grease lubrication (lifetime-lubricated)
Any installation position
Sound pressure level at a distance of 1 m, measured at a drive speed of 3000 rpm < 72 db(A)
Max. axial force relative to the centre of the output shaft: 1900 N, n_2 = 100 rpm
Max. radial force relative to the centre of the output shaft: 2400 N, n_2 = 100 rpm
Temperature range: -25 °C to +90 °C

S-Range

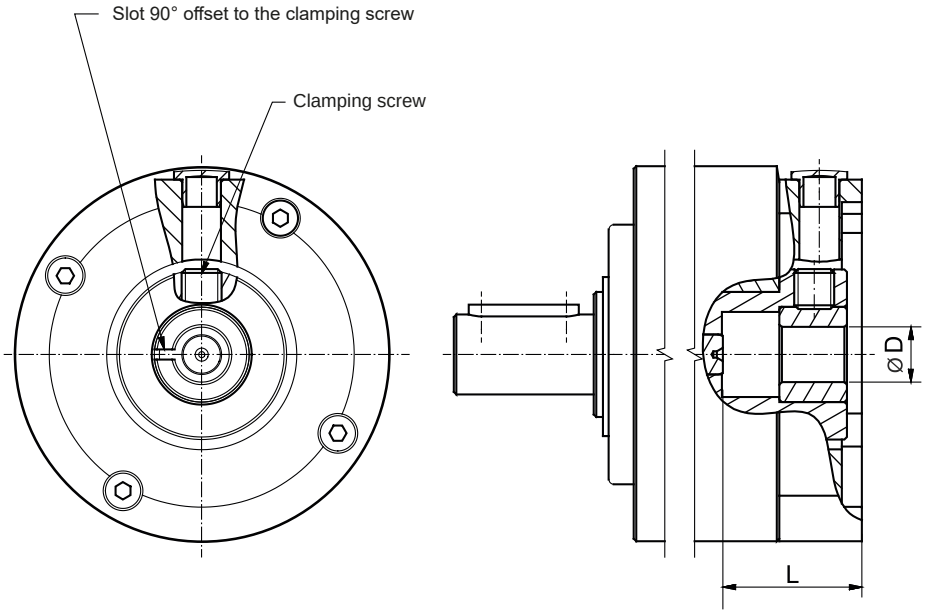


IEC-Range



Motor flanges

for motors with...	centering Ø Ø Z [mm]	pitch circle Ø Ø Lk [mm]	centering length max. LZ [mm]	motor shaft length max. L [mm]	bore hole for screws Ø B
RPS040	40	63	2,8	23	M5
	60	75	3,5	30	M5
RPL050	40	63	2,8	20	M5
	60	75	3,5	30	M5
RPS060	40	63	2,8	20	M5
	60	75	3,5	30	M5
	70	90	3,5	40	M6
	80	100	3,5	30	M6
RPL070	40	63	2,8	20	M5
	60	75	3,5	30	M5
	70	90	3,5	40	M6
	80	100	3,5	30	M6
RPS080	60	75	3,5	30	M5
	70	90	3,5	40	M6
	80	100	3,5	30	M6
	80	100	3,5	40	M6
	95	115	3,5	40	M8
RPL090	60	75	3,5	30	M5
	70	90	3,5	40	M6
	80	100	3,5	30	M6
	95	115	3,5	40	M8



Adapter sleeves

	Motor shafts Ø Ø D [mm]	Motor shaft length max. L [mm]
RPS040	6	<20
RPL050	8	25
	9	20
	11	23
	12	23
	14	30
RPS060	9	20
	11	23
RPL070	9	20
	10	23
	11	23
	14	30
	16	30
RPS080	11	23
	14	30
RPL090	11	23
	14	30
	16	35
	19	40
	24	50

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flange and foot version

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flange and foot version

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as well as motor flanges and adapter sleeves

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Continuously adjustable alternating current asynchronous motor

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RUHRGETRIEBE is your partner for tailor-made drive solutions. In the areas of worm gears, wormgear motors, planetary gears and drive technology we offer an extensive product range which covers a wide spectrum of applications.

In addition to our standard range, we design and implement numerous customer-specific drive solutions.
From worm, spur or planetary gears, through complete geared motors to complex drive systems, RUHRGETRIEBE is your reliable partner.

NOTES

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