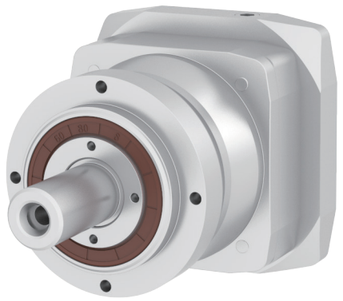
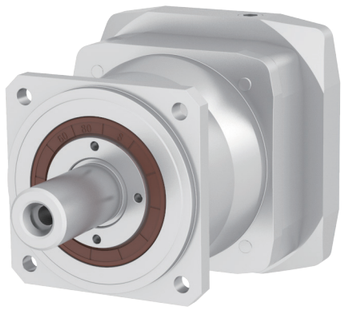
BONENG

PN行星通用齿轮箱

PN Planetary Current Gearbox





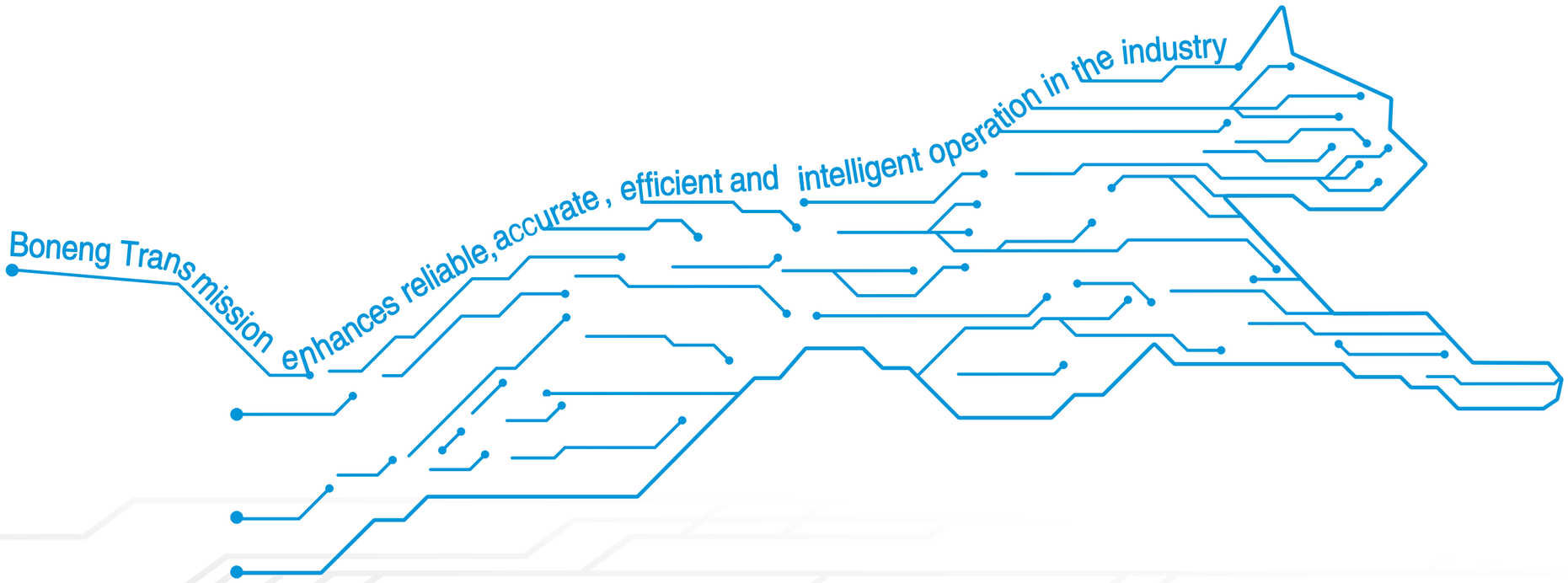
PN行星通用齿轮箱

PN Planetary Current Gearbox

Edit date 10/2026
Selection Catalogue:

BONENG

Boneng Transmission



控制器/驱动器/马达/
齿轮马达/齿轮箱

Controller/ Drive/ Motor/
Gearmotor/ Gearbox

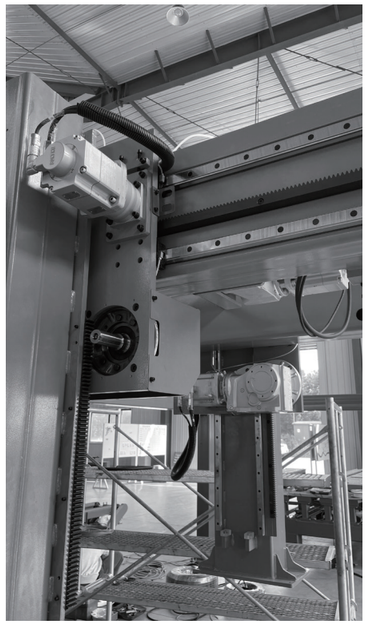
PN 行星通用齿轮箱

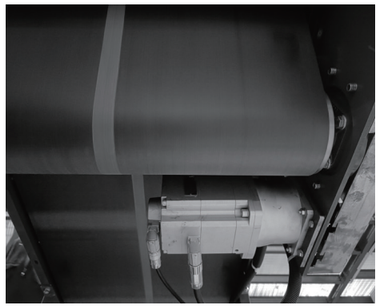
- 高精度、低噪音、低回程间隙；
- 结构紧凑，功率密度高；
- 高度的模块化设计，可实现更加快捷的生产和物流周期；
- 高可靠性和长设计寿命,可有效降低使用成本及维护成本
- 针对不同工况，可灵活的配置输出轴承；
- 多种输出轴形式可选；
- 输入接口丰富，可适配不同品牌电机。

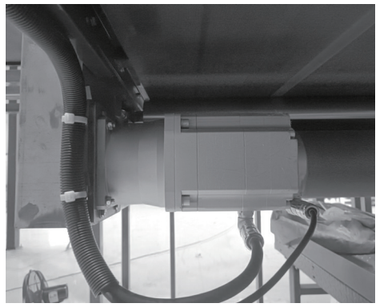
PN Planetary Current Gearbox

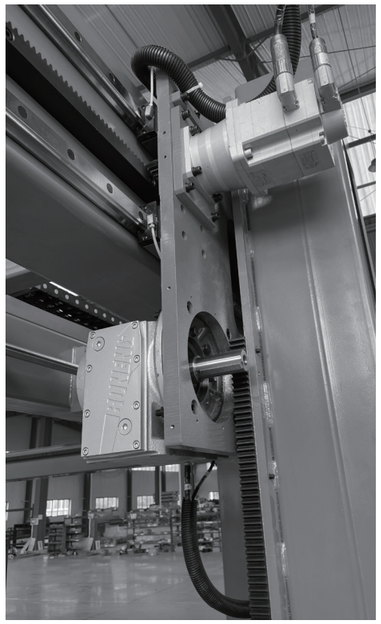
- High precision, low noise, low return clearance;
- Compact structure, high power density;
- Highly modular design enables faster production and logistics cycles;
- High reliability and long design life can effectively reduce usage and maintenance costs;
- Flexible configuration of output bearings for different working conditions;
- Multiple output shaft forms are available for selection;
- Rich input interfaces that can adapt to motors of different brands.

BONENG









产品广泛应用于机床、机器人、印刷机械、包装机械、纺织机械、自动化设备等各个领域。
博能传动公司总部和各大区域的技术专家以及各区域办事处的应用工程师、售后服务技师竭诚为您提供全面的技术咨询和完善的服务。

Products are widely used in machine tool，robots，printing machines，packaging machines，textile machinery，automation equipment and other fields.
Boneng Transmission company headquarters and major regional technical experts and regional offices of the application engineers, after-sales service technicians dedicated to provide you with comprehensive technical advice and perfect service.

造型注意事项

- ◆ 结构示意图、外形图及其它附图只属范例，无严格比例要求。(未注尺寸单位：mm)。
- ◆ 所注重量仅为平均值，并不具有约束力。

Selection precautions

- ◆ The structural schematic diagram, exterior diagram, and other accompanying drawings are only examples and do not have strict scale requirements. (Size units not specified:mm).
- ◆ The weight indicated is only the average value and does not have any binding force.

⚠使用注意事项

- ◆ 为防止意外事故发生，所有旋转部件均按照使用者所在国家和地区的安全规范由购置方加罩保护。
- ◆ 试运行之前必须认真阅读使用说明书。
- ◆ 行星齿轮马达应由熟悉相关安全要求的专业人员安装；安装时必须有安全装置以防止事故发生，安装位置必须符合规定。

⚠Precautions for use

- ◆ To prevent accidents, all rotating parts are covered and protected by the purchaser in accordance with the safety regulations of the user's country and regio.
- ◆ Planetary gear motors should be installed by professionals familiar with relevant safety requirements;
- ◆ Safety devices must be installed to prevent accidents, ensuring safetyThe installation position must comply with regulations.

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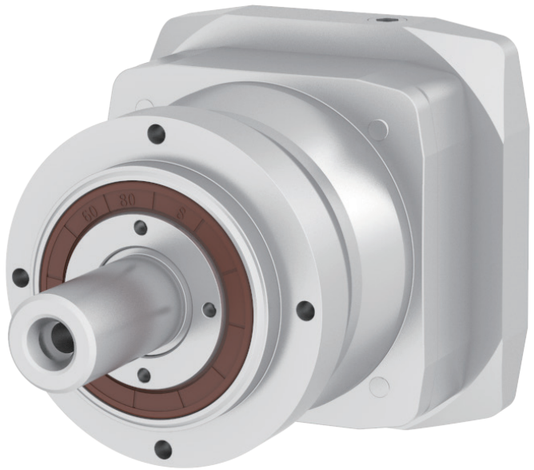
PN...L行星通用齿轮箱

PN...L Planetary Current Gearbox



- 规格：PN01/02/03/04/05
- 额定扭矩：7-610Nm
- 减速比：
  一级：3/4/5/7/10；
  二级：12/16/20/25/28/30/35/40/50/70/100
- 回程间隙：2~5 arcmin
- 防护等级：IP66

- Sizes：PN01/02/03/04/05
- Nominal Output Torque：7-610Nm
- Ratio：
  1stage：3/4/5/7/10；
  2stage：2/16/20/25/28/30/35/40/50/70/100
- Torional backlash：2~5 arcmin
- Protection class：IP66

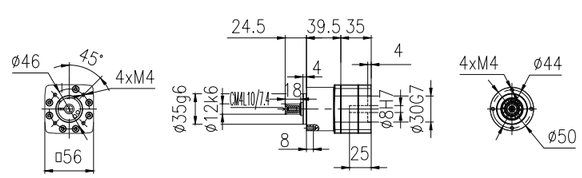
1 参数表及外形尺寸图

1 Parameter table and external dimension diagram

输入法兰:AS020A　　Input fange:AS020A

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	7	15	19	35	0.19	5	PN101L□-B30- AS020A
4	4/1	11	22	28	40	0.17	5	PN101L□-B40- AS020A
5	5/1	11	22	28	40	0.17	5	PN101L□-B50- AS020A
7	7/1	11	22	28	40	0.17	5	PN101L□-B70- AS020A
10	10/1	8	12	20	30	0.16	5	PN101L□-C10- AS020A
12	12/1	32	40	50	100	0.19	4	PN202L□-C12- AS020A
16	16/1	42	52	60	110	0.18	4	PN202L□-C16- AS020A
20	20/1	42	52	60	110	0.18	4	PN202L□-C20- AS020A
25	25/1	42	52	70	110	0.17	4	PN202L□-C25- AS020A
28	28/1	42	52	60	110	0.18	4	PN202L□-C28- AS020A
30	30/1	32	40	50	100	0.19	4	PN202L□-C30- AS020A
35	35/1	42	52	70	110	0.17	4	PN202L□-C35- AS020A
40	40/1	42	52	60	110	0.18	4	PN202L□-C40- AS020A
50	50/1	42	52	70	110	0.17	4	PN202L□-C50- AS020A
70	70/1	42	52	60	110	0.17	4	PN202L□-C70- AS020A
100	100/1	32	40	50	100	0.17	4	PN202L□-D10- AS020A

PN101L□-□□□-AS020A (mm)　　Weight:~2.3kg



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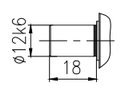

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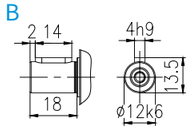
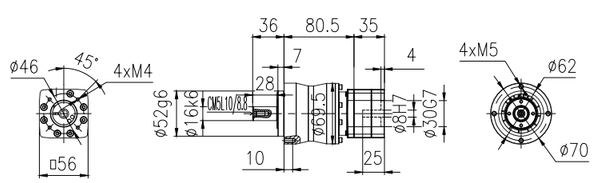


PN202L□-□□□-AS020A (mm)　　Weight:~3kg



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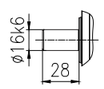

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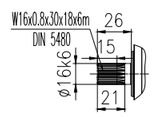

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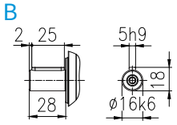
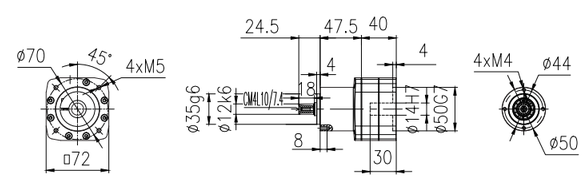


输入法兰:AS030A　　Input fange:AS030A

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	7	15	19	35	0.58	5	PN101L□-B30-AS030A
4	4/1	11	22	28	40	0.56	5	PN101L□-B40-AS030A
5	5/1	11	22	28	40	0.56	5	PN101L□-B50-AS030A
7	7/1	11	22	28	40	0.56	5	PN101L□-B70-AS030A
10	10/1	8	12	20	30	0.55	5	PN101L□-C10-AS030A
12	12/1	32	40	50	100	0.58	4	PN202L□-C12-AS030A
16	16/1	42	52	60	110	0.57	4	PN202L□-C16-AS030A
20	20/1	42	52	60	110	0.57	4	PN202L□-C20-AS030A
25	25/1	42	52	70	110	0.56	4	PN202L□-C25-AS030A
28	28/1	42	52	60	110	0.57	4	PN202L□-C28-AS030A
30	30/1	32	40	50	100	0.58	4	PN202L□-C30-AS030A
35	35/1	42	52	70	110	0.56	4	PN202L□-C35-AS030A
40	40/1	42	52	60	110	0.57	4	PN202L□-C40-AS030A
50	50/1	42	52	70	110	0.56	4	PN202L□-C50-AS030A
70	70/1	42	52	60	110	0.56	4	PN202L□-C70-AS030A
100	100/1	32	40	50	100	0.56	4	PN202L□-D10-AS030A

PN101L□-□□□-AS030A (mm)　　Weight:~2.3kg



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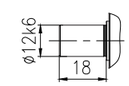

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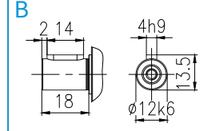
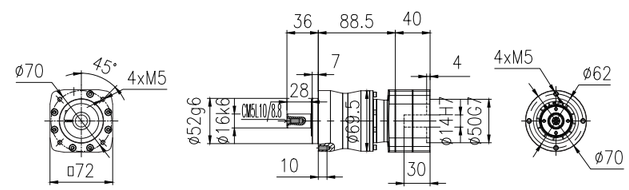


PN202L□-□□□-AS030A (mm)　　Weight:~3kg



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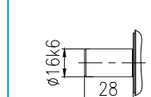

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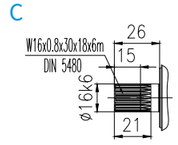

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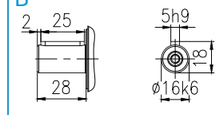
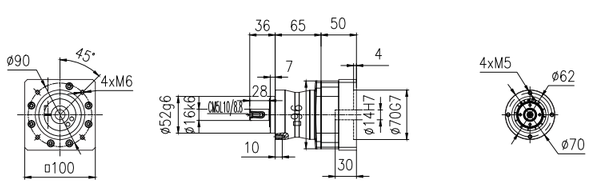


输入法兰:AS040A　　Input fange:AS040A

齿轮箱公称速比 Gearbox Nominal speed ratio	齿轮箱精确速比 Gearbox Accurate speed ratio	齿轮箱额定扭矩 Gearbox Rated torque	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque	齿轮箱最大扭矩 Gearbox Maximum torque	齿轮箱急停扭矩 Gearbox Emergency stop torque	齿轮箱转动惯量 Gearbox Rotational inertia	齿轮箱最大回程间隙 Gearbox Maximum return clearance	行星齿轮订货号 Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	22	40	55	100	1.46	4	PN102L□-B30-AS040A
4	4/1	28	52	70	110	1.38	4	PN102L□-B40-AS040A
5	5/1	28	52	70	110	2.66	4	PN102L□-B50-AS040A
7	7/1	28	52	70	110	2.66	4	PN102L□-B70-AS040A
10	10/1	28	40	55	105	3.94	4	PN102L□-C10-AS040A
12	12/1	88	110	110	200	1.44	4	PN203L□-C12-AS040A
16	16/1	105	132	132	255	1.38	4	PN203L□-C16-AS040A
20	20/1	105	132	132	255	1.36	4	PN203L□-C20-AS040A
25	25/1	110	138	165	255	1.35	4	PN203L□-C25-AS040A
28	28/1	105	132	132	255	1.33	4	PN203L□-C28-AS040A
30	30/1	88	110	110	200	1.37	4	PN203L□-C30-AS040A
35	35/1	110	138	165	255	1.32	4	PN203L□-C35-AS040A
40	40/1	105	132	132	255	1.31	4	PN203L□-C40-AS040A
50	50/1	110	138	165	255	1.3	4	PN203L□-C50-AS040A
70	70/1	95	118	118	255	1.29	4	PN203L□-C70-AS040A
100	100/1	88	110	110	200	1.29	4	PN203L□-D10-AS040A

PN102L□-□□□-AS040A (mm)　　Weight:~3.5kg



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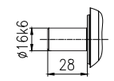

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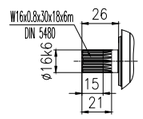

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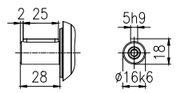
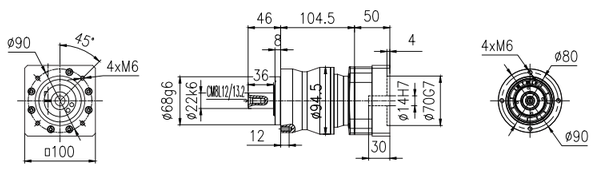
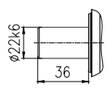


PN203L□-□□□-AS040A (mm)　　Weight:~6kg



A



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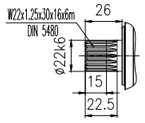

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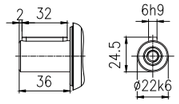
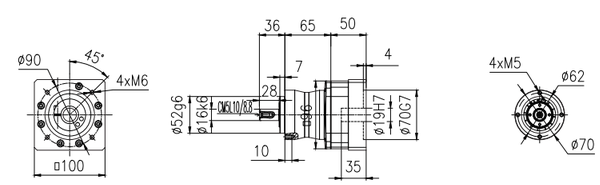


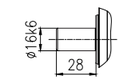
输入法兰:AS040B　　Input fange:AS040B

齿轮箱公称速比 Gearbox Nominal speed ratio	齿轮箱精确速比 Gearbox Accurate speed ratio	齿轮箱额定扭矩 Gearbox Rated torque	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque	齿轮箱最大扭矩 Gearbox Maximum torque	齿轮箱急停扭矩 Gearbox Emergency stop torque	齿轮箱转动惯量 Gearbox Rotational inertia	齿轮箱最大回程间隙 Gearbox Maximum return clearance	行星齿轮订货号 Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	22	40	55	100	1.44	4	PN102L□-B30-AS040B
4	4/1	28	52	70	110	1.36	4	PN102L□-B40-AS040B
5	5/1	28	52	70	110	1.32	4	PN102L□-B50-AS040B
7	7/1	28	52	70	110	1.29	4	PN102L□-B70-AS040B
10	10/1	28	40	55	105	1.28	4	PN102L□-C10-AS040B
12	12/1	88	110	110	200	1.42	4	PN203L□-C12-AS040B
16	16/1	105	132	132	255	1.36	4	PN203L□-C16-AS040B
20	20/1	105	132	132	255	1.34	4	PN203L□-C20-AS040B
25	25/1	110	138	165	255	1.33	4	PN203L□-C25-AS040B
28	28/1	105	132	132	255	1.31	4	PN203L□-C28-AS040B
30	30/1	88	110	110	200	1.35	4	PN203L□-C30-AS040B
35	35/1	110	138	165	255	1.3	4	PN203L□-C35-AS040B
40	40/1	105	132	132	255	1.29	4	PN203L□-C40-AS040B
50	50/1	110	138	165	255	1.28	4	PN203L□-C50-AS040B
70	70/1	95	118	118	255	1.27	4	PN203L□-C70-AS040B
100	100/1	88	110	110	200	1.27	4	PN203L□-D10-AS040B

PN102L□-□□□-AS040B (mm)　　Weight:~3.5kg



A



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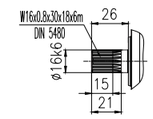

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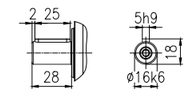
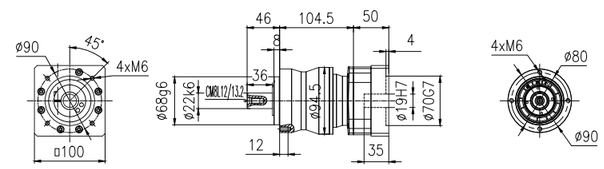


PN203L□-□□□-AS040B (mm)　　Weight:~6kg



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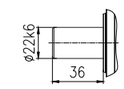

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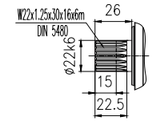

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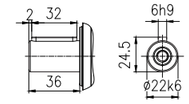
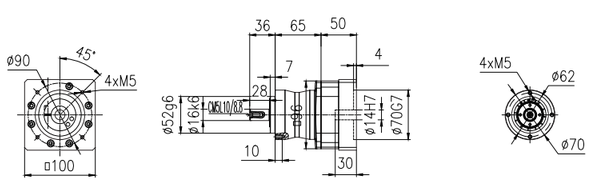


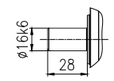
输入法兰:AS040C　　Input fange:AS040C

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	1.46	4	PN102L□-B30-AS040C
4	4/1	28	52	70	110	1.38	4	PN102L□-B40-AS040C
5	5/1	28	52	70	110	2.66	4	PN102L□-B50-AS040C
7	7/1	28	52	70	110	2.66	4	PN102L□-B70-AS040C
10	10/1	28	40	55	105	3.94	4	PN102L□-C10-AS040C
12	12/1	88	110	110	200	1.44	4	PN203L□-C12-AS040C
16	16/1	105	132	132	255	1.38	4	PN203L□-C16-AS040C
20	20/1	105	132	132	255	1.36	4	PN203L□-C20-AS040C
25	25/1	110	138	165	255	1.35	4	PN203L□-C25-AS040C
28	28/1	105	132	132	255	1.33	4	PN203L□-C28-AS040C
30	30/1	88	110	110	200	1.37	4	PN203L□-C30-AS040C
35	35/1	110	138	165	255	1.32	4	PN203L□-C35-AS040C
40	40/1	105	132	132	255	1.31	4	PN203L□-C40-AS040C
50	50/1	110	138	165	255	1.3	4	PN203L□-C50-AS040C
70	70/1	95	118	118	255	1.29	4	PN203L□-C70-AS040C
100	100/1	88	110	110	200	1.29	4	PN203L□-D10-AS040C

PN102L□-□□□-AS040C (mm)　　Weight:~3.5kg



A



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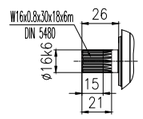
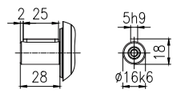
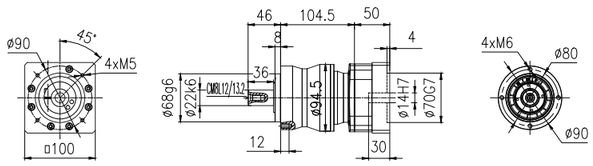


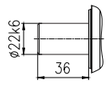
B



PN203L□-□□□-AS040C (mm)　　Weight:~6kg



A



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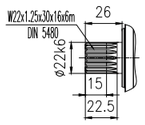
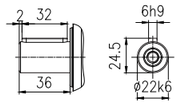


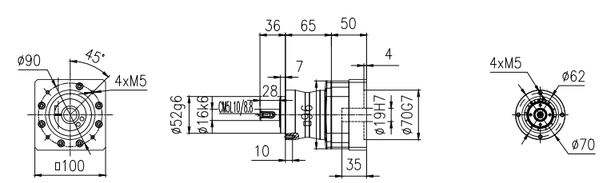
B



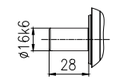
输入法兰:AS040D　　Input fange:AS040D

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	1.44	4	PN102L□-B30-AS040D
4	4/1	28	52	70	110	1.36	4	PN102L□-B40-AS040D
5	5/1	28	52	70	110	1.32	4	PN102L□-B50-AS040D
7	7/1	28	52	70	110	1.29	4	PN102L□-B70-AS040D
10	10/1	28	40	55	105	1.28	4	PN102L□-C10-AS040D
12	12/1	88	110	110	200	1.42	4	PN203L□-C12-AS040D
16	16/1	105	132	132	255	1.36	4	PN203L□-C16-AS040D
20	20/1	105	132	132	255	1.34	4	PN203L□-C20-AS040D
25	25/1	110	138	165	255	1.33	4	PN203L□-C25-AS040D
28	28/1	105	132	132	255	1.31	4	PN203L□-C28-AS040D
30	30/1	88	110	110	200	1.35	4	PN203L□-C30-AS040D
35	35/1	110	138	165	255	1.3	4	PN203L□-C35-AS040D
40	40/1	105	132	132	255	1.29	4	PN203L□-C40-AS040D
50	50/1	110	138	165	255	1.28	4	PN203L□-C50-AS040D
70	70/1	95	118	118	255	1.27	4	PN203L□-C70-AS040D
100	100/1	88	110	110	200	1.27	4	PN203L□-D10-AS040D

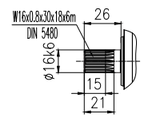
PN102L□-□□□-AS040D (mm)　　Weight:~3.5kg



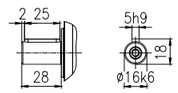
A



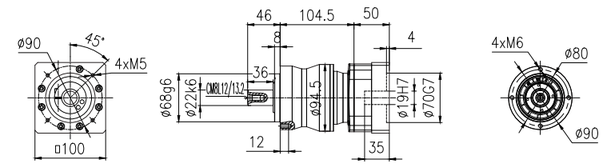
C



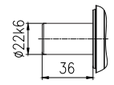
B



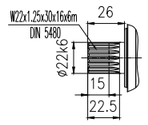
PN203L□-□□□-AS040D (mm)　　Weight:~6kg



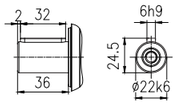
A



C



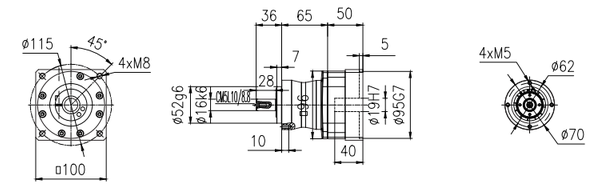
B



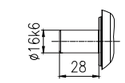
输入法兰:AS050A　　Input fange:AS050A

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm²	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	1.44	4	PN102L□-B30-AS050A
4	4/1	28	52	70	110	1.36	4	PN102L□-B40-AS050A
5	5/1	28	52	70	110	1.32	4	PN102L□-B50-AS050A
7	7/1	28	52	70	110	1.29	4	PN102L□-B70-AS050A
10	10/1	28	40	55	105	1.28	4	PN102L□-C10-AS050A
3	3/1	66	108	142	200	2.52	3	PN103L□-B30-AS050A
4	4/1	85	140	185	255	2.16	3	PN103L□-B40-AS050A
5	5/1	85	140	185	255	2.03	3	PN103L□-B50-AS050A
7	7/1	85	140	185	255	1.9	3	PN103L□-B70-AS050A
10	10/1	85	120	160	200	1.84	3	PN103L□-C10-AS050A
12	12/1	88	110	110	200	1.42	4	PN203L□-C12-AS050A
16	16/1	105	132	132	255	1.36	4	PN203L□-C16-AS050A
20	20/1	105	132	132	255	1.34	4	PN203L□-C20-AS050A
25	25/1	110	138	165	255	1.33	4	PN203L□-C25-AS050A
28	28/1	105	132	132	255	1.31	4	PN203L□-C28-AS050A
30	30/1	88	110	110	200	1.35	4	PN203L□-C30-AS050A
35	35/1	110	138	165	255	1.3	4	PN203L□-C35-AS050A
40	40/1	105	132	132	255	1.29	4	PN203L□-C40-AS050A
50	50/1	110	138	165	255	1.28	4	PN203L□-C50-AS050A
70	70/1	95	118	118	255	1.27	4	PN203L□-C70-AS050A
100	100/1	88	110	110	200	1.27	4	PN203L□-D10-AS050A
12	12/1	215	270	270	515	2.44	3	PN204L□-C12-AS050A
16	16/1	250	360	360	630	2.22	3	PN204L□-C16-AS050A
20	20/1	265	360	360	630	2.09	3	PN204L□-C20-AS050A
25	25/1	265	360	360	630	2.04	3	PN204L□-C25-AS050A
28	28/1	285	360	360	630	1.98	3	PN204L□-C28-AS050A
30	30/1	215	270	270	515	2.14	3	PN204L□-C30-AS050A
35	35/1	285	360	360	630	1.93	3	PN204L□-C35-AS050A
40	40/1	285	360	360	630	1.92	3	PN204L□-C40-AS050A
50	50/1	285	360	360	630	1.87	3	PN204L□-C50-AS050A
70	70/1	285	360	360	630	1.84	3	PN204L□-C70-AS050A
100	100/1	215	270	270	630	1.83	3	PN204L□-D10-AS050A

PN102L□-□□□-AS050A (mm)　　Weight:~3.5kg



A



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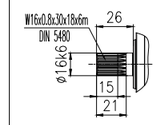

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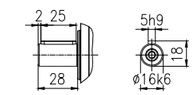
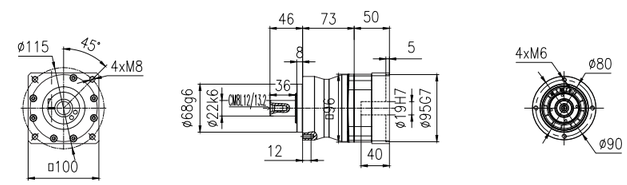


PN103L□-□□□-AS050A (mm)　　Weight:~5.5kg



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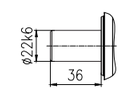

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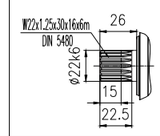

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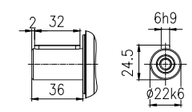
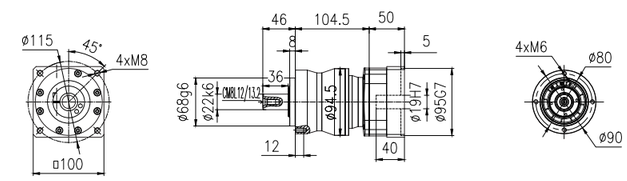


PN203L□-□□□-AS050A (mm)　　Weight:~6kg



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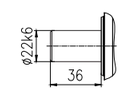

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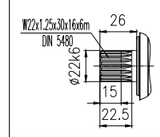

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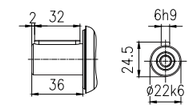
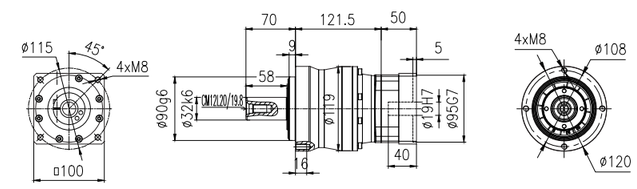


PN204L□-□□□-AS050A (mm)　　Weight:~10.5kg



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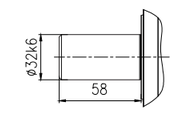

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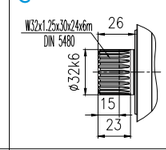

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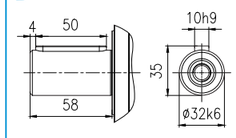
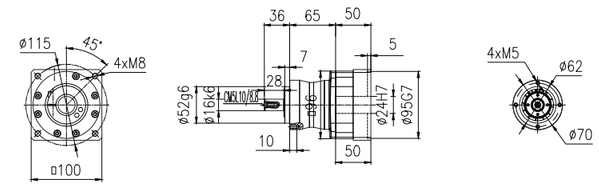


输入法兰:AS050B　　Input fange:AS050B

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio iex	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	2.21	4	PN102L□-B30-AS050B
4	4/1	28	52	70	110	2.13	4	PN102L□-B40-AS500B
5	5/1	28	52	70	110	2.09	4	PN102L□-B50-AS050B
7	7/1	28	52	70	110	2.06	4	PN102L□-B70-AS500B
10	10/1	28	40	55	105	2.05	4	PN102L□-C10-AS050B
3	3/1	66	108	142	200	3.28	3	PN103L□-B30-AS050B
4	4/1	85	140	185	255	2.92	3	PN103L□-B40-AS050B
5	5/1	85	140	185	255	2.79	3	PN103L□-B50-AS050B
7	7/1	85	140	185	255	2.66	3	PN103L□-B70-AS050B
10	10/1	85	120	160	200	2.60	3	PN103L□-C10-AS050B
12	12/1	88	110	110	200	2.19	4	PN203L□-C12-AS050B
16	16/1	105	132	132	255	2.13	4	PN203L□-C16-AS050B
20	20/1	105	132	132	255	2.11	4	PN203L□-C20-AS050B
25	25/1	110	138	165	255	2.10	4	PN203L□-C25-AS050B
28	28/1	105	132	132	255	2.08	4	PN203L□-C28-AS050B
30	30/1	88	110	110	200	2.12	4	PN203L□-C30-AS050B
35	35/1	110	138	165	255	2.07	4	PN203L□-C35-AS050B
40	40/1	105	132	132	255	2.06	4	PN203L□-C40-AS050B
50	50/1	110	138	165	255	2.05	4	PN203L□-C50-AS050B
70	70/1	95	118	118	255	2.04	4	PN203L□-C70-AS050B
100	100/1	88	110	110	200	2.04	4	PN203L□-D10-AS050B
12	12/1	215	270	270	515	3.20	3	PN204L□-C12-AS050B
16	16/1	250	360	360	630	2.98	3	PN204L□-C16-AS050B
20	20/1	265	360	360	630	2.85	3	PN204L□-C20-AS050B
25	25/1	265	360	360	630	2.80	3	PN204L□-C25-AS050B
28	28/1	285	360	360	630	2.74	3	PN204L□-C28-AS050B
30	30/1	215	270	270	515	2.90	3	PN204L□-C30-AS050B
35	35/1	285	360	360	630	2.69	3	PN204L□-C35-AS050B
40	40/1	285	360	360	630	2.68	3	PN204L□-C40-AS050B
50	50/1	285	360	360	630	2.63	3	PN204L□-C50-AS050B
70	70/1	285	360	360	630	2.60	3	PN204L□-C70-AS050B
100	100/1	215	270	270	630	2.59	3	PN204L□-D10-AS050B

PN102L□-□□□-AS050B (mm)　　Weight:~3.5kg



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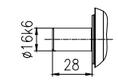

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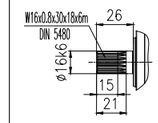

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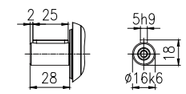
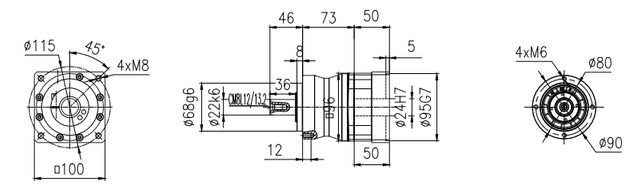


PN103L□-□□□-AS050B (mm)　　Weight:~5.5kg



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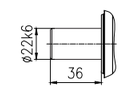

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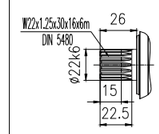

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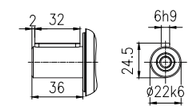
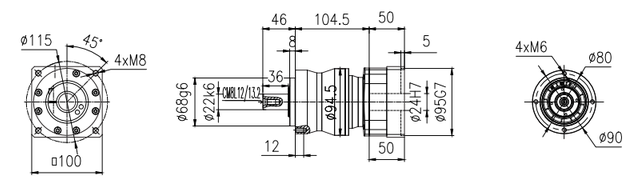


PN203L□-□□□-AS050B (mm)　　Weight:~6kg



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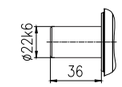

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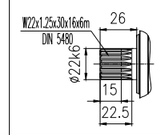

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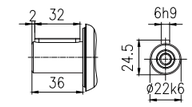
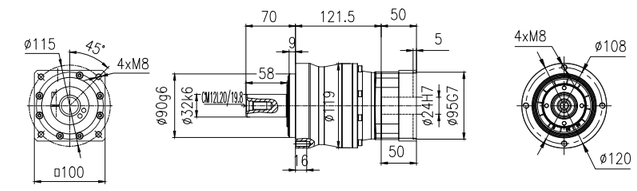


PN204L□-□□□-AS050B (mm)　　Weight:~10.5kg



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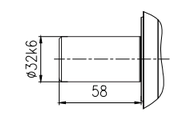

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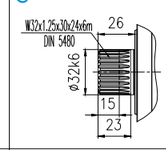

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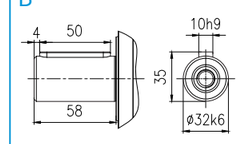
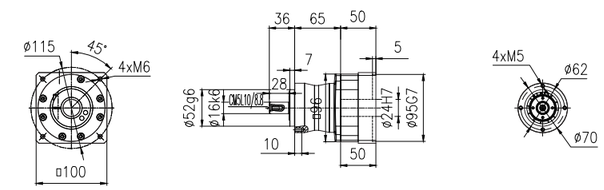


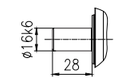
输入法兰:AS050C　　Input fange:AS050C

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	2.21	4	PN102L□-B30-AS050C
4	4/1	28	52	70	110	2.13	4	PN102L□-B40-AS050C
5	5/1	28	52	70	110	2.09	4	PN102L□-B50-AS050C
7	7/1	28	52	70	110	2.06	4	PN102L□-B70-AS050C
10	10/1	28	40	55	105	2.05	4	PN102L□-C10-AS050C
3	3/1	66	108	142	200	3.28	4	PN103L□-B30-AS050C
4	4/1	85	140	185	255	2.92	4	PN103L□-B40-AS050C
5	5/1	85	140	185	255	2.79	4	PN103L□-B50-AS050C
7	7/1	85	140	185	255	2.66	4	PN103L□-B70-AS050C
10	10/1	85	120	160	200	2.60	4	PN103L□-C10-AS050C
12	12/1	88	110	110	200	2.19	4	PN203L□-C12-AS050C
16	16/1	105	132	132	255	2.13	4	PN203L□-C16-AS050C
20	20/1	105	132	132	255	2.11	4	PN203L□-C20-AS050C
25	25/1	110	138	165	255	2.10	4	PN203L□-C25-AS050C
28	28/1	105	132	132	255	2.08	4	PN203L□-C28-AS050C
30	30/1	88	110	110	200	2.12	4	PN203L□-C30-AS050C
35	35/1	110	138	165	255	2.07	4	PN203L□-C35-AS050C
40	40/1	105	132	132	255	2.06	4	PN203L□-C40-AS050C
50	50/1	110	138	165	255	2.05	4	PN203L□-C50-AS050C
70	70/1	95	118	118	255	2.04	4	PN203L□-C70-AS050C
100	100/1	88	110	110	200	2.04	4	PN203L□-D10-AS050C
12	12/1	215	270	270	515	3.20	3	PN204L□-C12-AS050C
16	16/1	250	360	360	630	2.98	3	PN204L□-C16-AS050C
20	20/1	265	360	360	630	2.85	3	PN204L□-C20-AS050C
25	25/1	265	360	360	630	2.80	3	PN204L□-C25-AS050C
28	28/1	285	360	360	630	2.74	3	PN204L□-C28-AS050C
30	30/1	215	270	270	515	2.90	3	PN204L□-C30-AS050C
35	35/1	285	360	360	630	2.69	3	PN204L□-C35-AS050C
40	40/1	285	360	360	630	2.68	3	PN204L□-C40-AS050C
50	50/1	285	360	360	630	2.63	3	PN204L□-C50-AS050C
70	70/1	285	360	360	630	2.60	3	PN204L□-C70-AS050C
100	100/1	215	270	270	630	2.59	3	PN204L□-D10-AS050C

PN102L□-□□□-AS050C (mm)　　Weight:~3.5kg



A



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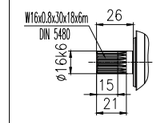
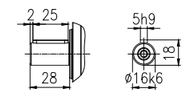
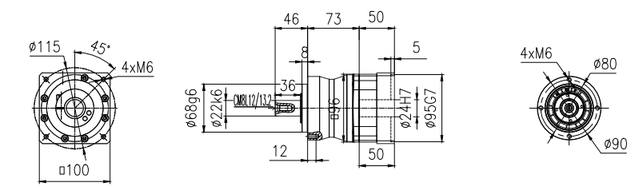


B



PN103L□-□□□-AS050C (mm)　　Weight:~5.5kg



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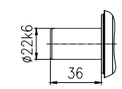

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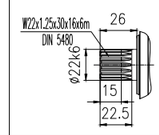

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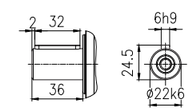
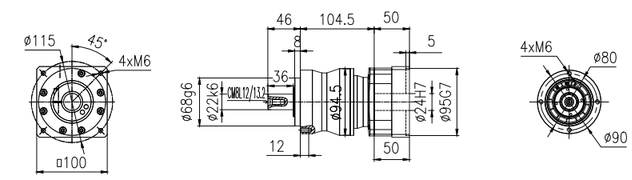


PN203L□-□□□-AS050C (mm)　　Weight:~6kg



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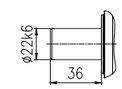

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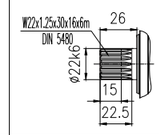

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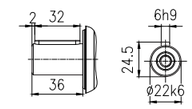
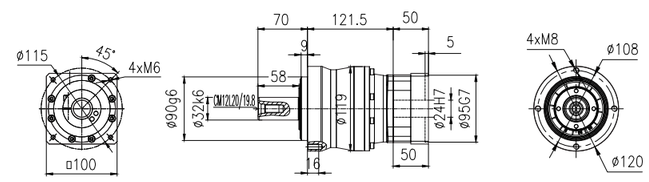


PN204L□-□□□-AS050C (mm)　　Weight:~10.5kg



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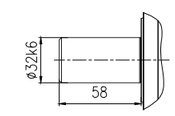

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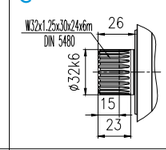

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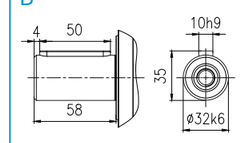
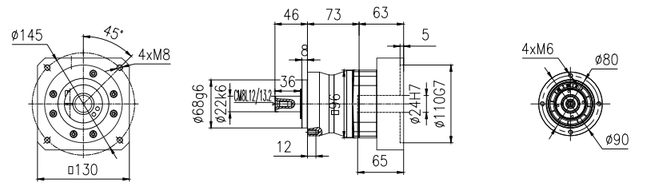


输入法兰:AS071A　　Input fange:AS071A

齿轮箱公称速比	齿轮箱精确速比	齿轮箱额定扭矩	齿轮箱最大加速扭矩	齿轮箱最大扭矩	齿轮箱急停扭矩	齿轮箱转动惯量	齿轮箱最大回程间隙	行星齿轮订货号
Gearbox Nominal speed ratio	Gearbox Accurate speed ratio	Gearbox Rated torque	Gearbox maximum Acceleration torque	Gearbox Maximum torque	Gearbox Emergency stop torque	Gearbox Rotational inertia	Gearbox Maximum return clearance	Planetary precision gearbox order number
i	iex	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	66	108	142	200	3.28	3	PN103L□-B30-AS071A
4	4/1	85	140	185	255	2.92	3	PN103L□-B40-AS071A
5	5/1	85	140	185	255	2.79	3	PN103L□-B50-AS071A
7	7/1	85	140	185	255	2.66	3	PN103L□-B70-AS071A
10	10/1	85	120	160	200	2.60	3	PN103L□-C10-AS071A
3	3/1	138	290	390	515	6.42	2	PN104L□-B30-AS071A
4	4/1	185	390	515	630	5.06	2	PN104L□-B40-AS071A
5	5/1	185	390	515	630	4.55	2	PN104L□-B50-AS071A
7	7/1	185	390	445	630	4.09	2	PN104L□-B70-AS071A
10	10/1	185	290	390	630	3.84	2	PN104L□-C10-AS071A
12	12/1	215	270	270	515	3.20	3	PN204L□-C12-AS071A
16	16/1	250	360	360	630	2.98	3	PN204L□-C16-AS071A
20	20/1	265	360	360	630	2.85	3	PN204L□-C20-AS071A
25	25/1	265	360	360	630	2.80	3	PN204L□-C25-AS071A
28	28/1	285	360	360	630	2.74	3	PN204L□-C28-AS071A
30	30/1	215	270	270	515	2.90	3	PN204L□-C30-AS071A
35	35/1	285	360	360	630	2.69	3	PN204L□-C35-AS071A
40	40/1	285	360	360	630	2.68	3	PN204L□-C40-AS071A
50	50/1	285	360	360	630	2.63	3	PN204L□-C50-AS071A
70	70/1	285	360	360	630	2.60	3	PN204L□-C70-AS071A
100	100/1	215	270	270	630	2.59	3	PN204L□-D10-AS071A
12	12/1	300	530	530	1250	5.75	2	PN205L□-C12-AS071A
16	16/1	480	760	760	1350	5.00	2	PN205L□-C16-AS071A
20	20/1	515	760	760	1350	4.74	2	PN205L□-C20-AS071A
25	25/1	515	700	700	1350	4.56	2	PN205L□-C25-AS071A
28	28/1	570	760	760	1350	4.34	2	PN205L□-C28-AS071A
30	30/1	300	530	530	1250	4.87	2	PN205L□-C30-AS071A
35	35/1	560	700	700	1350	4.16	2	PN205L□-C35-AS071A
40	40/1	610	760	760	1350	4.12	2	PN205L□-C40-AS071A
50	50/1	560	700	700	1350	3.94	2	PN205L□-C50-AS071A
70	70/1	610	725	725	1350	3.84	2	PN205L□-C70-AS071A
100	100/1	490	590	590	1250	3.82	2	PN205L□-D10-AS071A

PN103L□-□□□-AS071A (mm)　　Weight:~6.5kg



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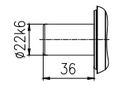

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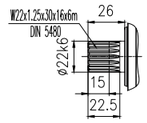
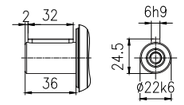
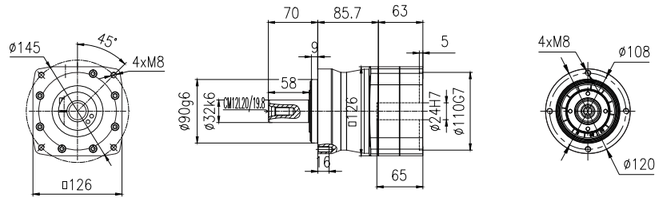


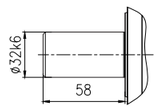
B



PN104L□-□□□-AS071A (mm)　　Weight:~12kg



A



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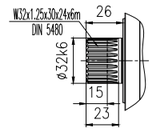
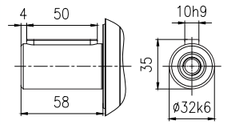
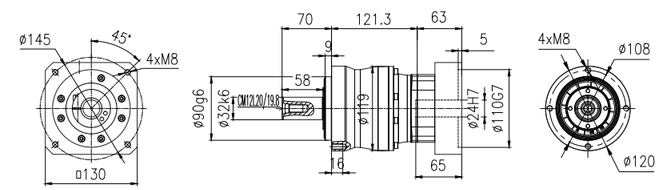


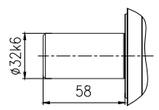
B



PN204L□-□□□-AS071A (mm)　　Weight:~12.5kg



A



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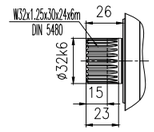

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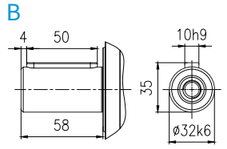
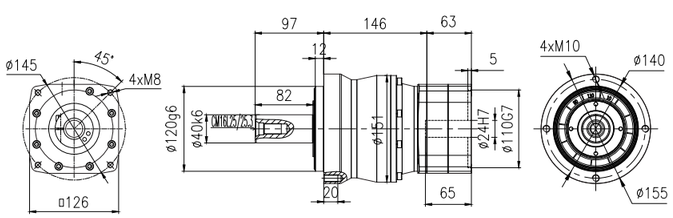


PN205L□-□□□-AS071A (mm)　　Weight:~22.5kg



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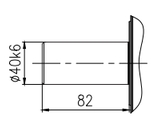

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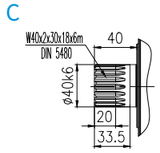

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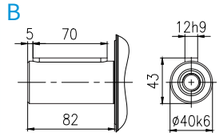
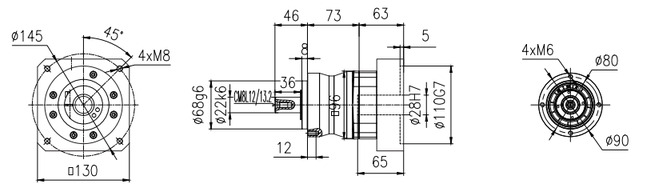


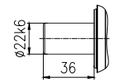
输入法兰:AS071B　　Input fange:AS071B

齿轮箱公称速比	齿轮箱精确速比	齿轮箱额定扭矩	齿轮箱最大加速扭矩	齿轮箱最大扭矩	齿轮箱急停扭矩	齿轮箱转动惯量	齿轮箱最大回程间隙	行星齿轮订货号
Gearbox Nominal speed ratio	Gearbox Accurate speed ratio	Gearbox Rated torque	Gearbox maximum Acceleration torque	Gearbox Maximum torque	Gearbox Emergency stop torque	Gearbox Rotational inertia	Gearbox Maximum return clearance	Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	66	108	142	200	6.27	3	PN103L□-B30-AS071B
4	4/1	85	140	185	255	5.91	3	PN103L□-B40-AS071B
5	5/1	85	140	185	255	5.78	3	PN103L□-B50-AS071B
7	7/1	85	140	185	255	5.65	3	PN103L□-B70-AS071B
10	10/1	85	120	160	200	5.59	3	PN103L□-C10-AS071B
3	3/1	138	290	390	515	9.40	2	PN104L□-B30-AS071B
4	4/1	185	390	515	630	8.04	2	PN104L□-B40-AS071B
5	5/1	185	390	515	630	7.53	2	PN104L□-B50-AS071B
7	7/1	185	390	445	630	7.07	2	PN104L□-B70-AS071B
10	10/1	185	290	390	630	6.82	2	PN104L□-C10-AS071B
12	12/1	215	270	270	515	6.19	3	PN204L□-C12-AS071B
16	16/1	250	360	360	630	5.97	3	PN204L□-C16-AS071B
20	20/1	265	360	360	630	5.84	3	PN204L□-C20-AS071B
25	25/1	265	360	360	630	5.79	3	PN204L□-C25-AS071B
28	28/1	285	360	360	630	5.73	3	PN204L□-C28-AS071B
30	30/1	215	270	270	515	5.89	3	PN204L□-C30-AS071B
35	35/1	285	360	360	630	5.68	3	PN204L□-C35-AS071B
40	40/1	285	360	360	630	5.67	3	PN204L□-C40-AS071B
50	50/1	285	360	360	630	5.62	3	PN204L□-C50-AS071B
70	70/1	285	360	360	630	5.59	3	PN204L□-C70-AS071B
100	100/1	215	270	270	630	5.58	3	PN204L□-D10-AS071B
12	12/1	300	530	530	1250	8.73	2	PN205L□-C12-AS071B
16	16/1	480	760	760	1350	7.98	2	PN205L□-C16-AS071B
20	20/1	515	760	760	1350	7.72	2	PN205L□-C20-AS071B
25	25/1	515	700	700	1350	7.54	2	PN205L□-C25-AS071B
28	28/1	570	760	760	1350	7.32	2	PN205L□-C28-AS071B
30	30/1	300	530	530	1250	7.85	2	PN205L□-C30-AS071B
35	35/1	560	700	700	1350	7.14	2	PN205L□-C35-AS071B
40	40/1	610	760	760	1350	7.10	2	PN205L□-C40-AS071B
50	50/1	560	700	700	1350	6.92	2	PN205L□-C50-AS071B
70	70/1	610	725	725	1350	6.82	2	PN205L□-C70-AS071B
100	100/1	490	590	590	1250	6.80	2	PN205L□-D10-AS071B

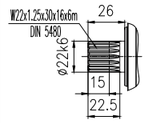
PN103L□-□□□-AS071B (mm)　　Weight:~6.5kg



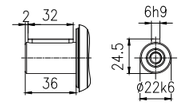
A



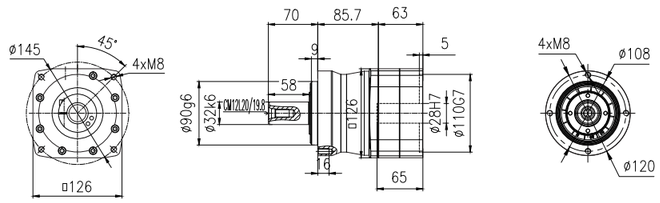
C



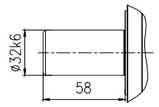
B



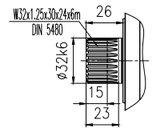
PN104L□-□□□-AS071B (mm)　　Weight:~12kg



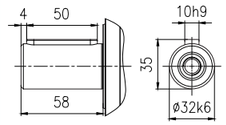
A



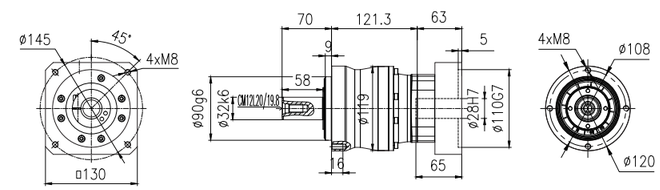
C



B



PN204L□-□□□-AS071B (mm)　　Weight:~12.5kg



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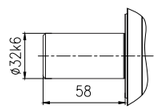

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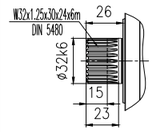

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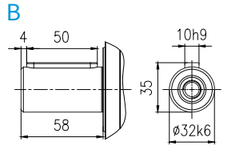
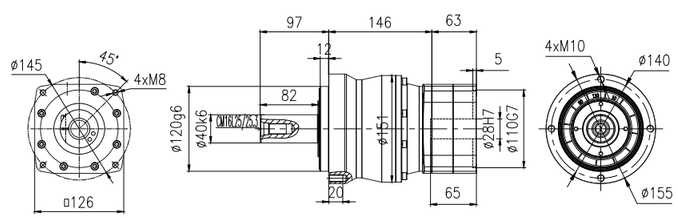
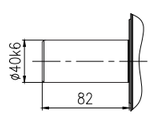


PN205L□-□□□-AS071B (mm)　　Weight:~22.5kg



A



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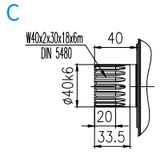

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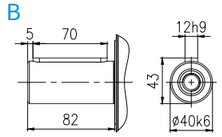
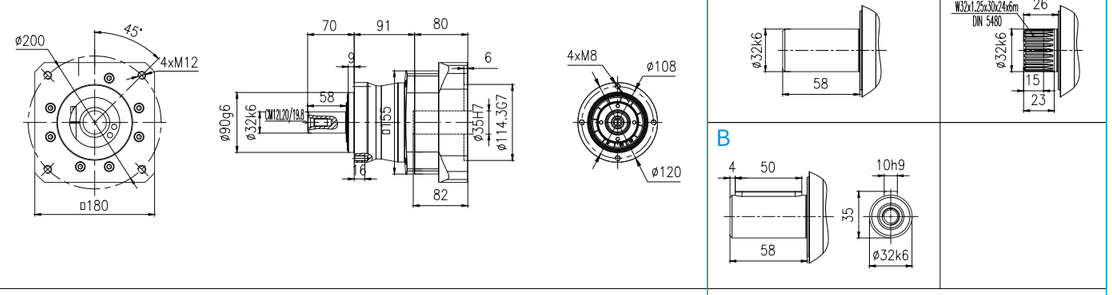


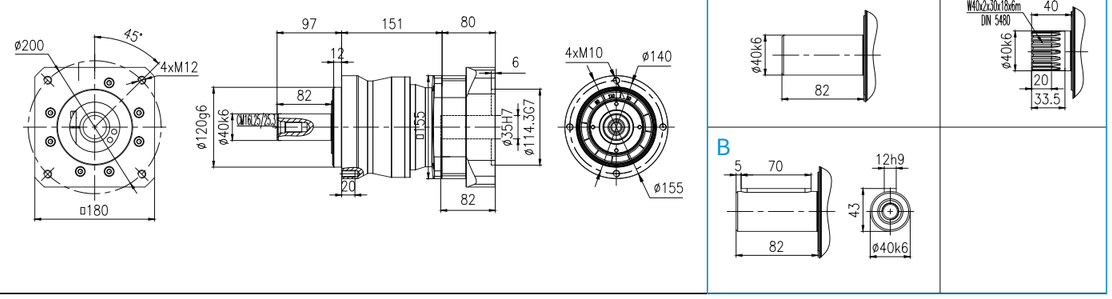
输入法兰:AS090A　　Input fange:AS090A

齿轮箱公称速比 Gearbox Nominal speed ratio	齿轮箱精确速比 Gearbox Accurate speed ratio	齿轮箱额定扭矩 Gearbox Rated torque	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque	齿轮箱最大扭矩 Gearbox Maximum torque	齿轮箱急停扭矩 Gearbox Emergency stop torque	齿轮箱转动惯量 Gearbox Rotational inertia	齿轮箱最大回程间隙 Gearbox Maximum return clearance	行星齿轮订货号 Planetary precision gearbox order number
i	iex	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	138	290	390	515	15.99	2	PN104L□-B30-AS090A
4	4/1	185	390	515	630	14.63	2	PN104L□-B40-AS090A
5	5/1	185	390	515	630	14.12	2	PN104L□-B50-AS090A
7	7/1	185	390	445	630	13.66	2	PN104L□-B70-AS090A
10	10/1	185	290	390	630	13.41	2	PN104L□-C10-AS090A
12	12/1	300	530	530	1250	15.32	2	PN205L□-C12-AS090A
16	16/1	480	760	760	1350	14.57	2	PN205L□-C16-AS090A
20	20/1	515	760	760	1350	14.31	2	PN205L□-C20-AS090A
25	25/1	515	700	700	1350	14.13	2	PN205L□-C25-AS090A
28	28/1	570	760	760	1350	13.91	2	PN205L□-C28-AS090A
30	30/1	300	530	530	1250	14.44	2	PN205L□-C30-AS090A
35	35/1	560	700	700	1350	13.73	2	PN205L□-C35-AS090A
40	40/1	610	760	760	1350	13.69	2	PN205L□-C40-AS090A
50	50/1	560	700	700	1350	13.51	2	PN205L□-C50-AS090A
70	70/1	610	725	725	1350	13.41	2	PN205L□-C70-AS090A
100	100/1	490	590	590	1250	13.39	2	PN205L□-D10-AS090A

PN104L□-□□□-AS090A (mm)　　Weight:~16kg



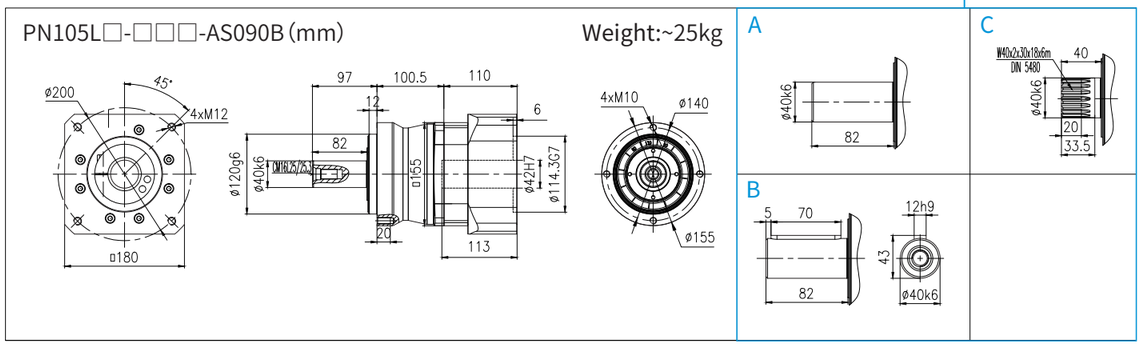
PN205L□-□□□-AS090A (mm)　　Weight:~26.5kg



输入法兰:AS090B　　Input fange:AS090B

齿轮箱公称速比 Gearbox Nominal speed ratio	齿轮箱精确速比 Gearbox Accurate speed ratio	齿轮箱额定扭矩 Gearbox Rated torque	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque	齿轮箱最大扭矩 Gearbox Maximum torque	齿轮箱急停扭矩 Gearbox Emergency stop torque	齿轮箱转动惯量 Gearbox Rotational inertia	齿轮箱最大回程间隙 Gearbox Maximum return clearance	行星齿轮订货号 Planetary precision gearbox order number
i	iex	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	220	500	650	1250	28.76	2	PN105L□-B30-AS090B
4	4/1	355	830	1100	1350	24.15	2	PN105L□-B40-AS090B
5	5/1	355	830	1100	1350	22.41	2	PN105L□-B50-AS090B
7	7/1	345	830	865	1350	20.86	2	PN105L□-B70-AS090B
10	10/1	345	665	750	1250	20.03	2	PN105L□-C10-AS090B

PN105L□-□□□-AS090B (mm)　　Weight:~25kg



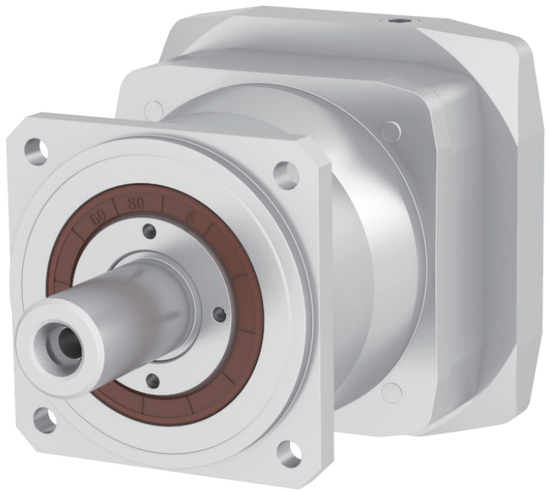
2 PN...L输出轴允许的轴向力和径向力

2 PN...L Permissible axial and radial forces on the output shaft

输出轴载荷	Output shaft load	代号Code	单位Unit	PN101L	PN102L PN202L	PN103L PN203L	PN104L PN204L	PN105L PN205L
20000h的径向力	Radial force for 20000h	$F_{r20000h}$	N	600	1300	2050	2500	3500
20000h的轴向力	Axial force for 20000h	$F_{a20000h}$		250	500	750	1050	1750
30000h的径向力	Radial force for 30000h	$F_{r30000h}$		500	1150	1750	2200	3050
30000h的轴向力	Axial force for 30000h	$F_{a30000h}$		200	400	650	900	1550
20000h的侧倾力矩	Tilting moment for 20000h	$M_{K20000h}$	Nm	30	93	173	266	464
30000h的侧倾力矩	Tilting moment for 30000h	$M_{K30000h}$		26	81	151	232	405

PN...B 行星通用齿轮箱

PN...B Planetary Current Gearbox



- 规格：PN01/02/03/04/05/06/07
- 额定扭矩：7-1900Nm
- 减速比：
  一级：3/4/5/7/10；
  二级：12/16/20/25/28/30/35/40/50/70/100
- 回程间隙：2~5 arcmin
- 防护等级：IP66

- Sizes：PN01/02/03/04/05/06/07
- Nominal Output Torque：7-1900Nm
- Ratio：
  1stage：3/4/5/7/10；
  2stage：2/16/20/25/28/30/35/40/50/70/100
- Torional backlash：2~5 arcmin
- Protection class：IP66

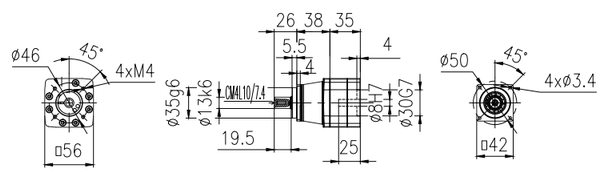
3 参数表及外形尺寸图

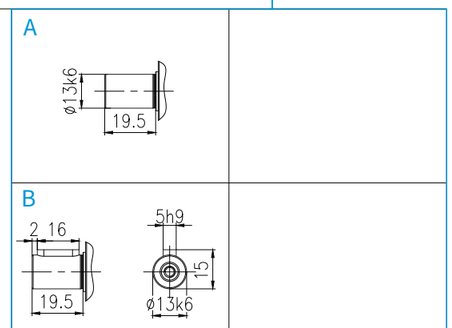
3 Parameter table and external dimension diagram

输入法兰:AS020A　　Input fange:AS020A

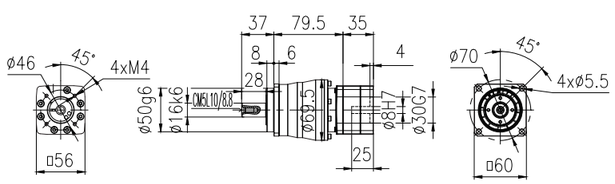
齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	7	15	19	35	0.19	5	PN101B□-B30-AS020A
4	4/1	11	22	28	40	0.17	5	PN101B□-B40-AS020A
5	5/1	11	22	28	40	0.17	5	PN101B□-B50-AS020A
7	7/1	11	22	28	40	0.17	5	PN101B□-B70-AS020A
10	10/1	8	12	20	30	0.16	5	PN101B□-C10-AS020A
12	12/1	32	40	50	100	0.19	4	PN202B□-C12-AS020A
16	16/1	42	52	60	110	0.18	4	PN202B□-C16-AS020A
20	20/1	42	52	60	110	0.18	4	PN202B□-C20-AS020A
25	25/1	42	52	70	110	0.17	4	PN202B□-C25-AS020A
28	28/1	42	52	60	110	0.18	4	PN202B□-C28-AS020A
30	30/1	32	40	50	100	0.19	4	PN202B□-C30-AS020A
35	35/1	42	52	70	110	0.17	4	PN202B□-C35-AS020A
40	40/1	42	52	60	110	0.18	4	PN202B□-C40-AS020A
50	50/1	42	52	70	110	0.17	4	PN202B□-C50-AS020A
70	70/1	42	52	60	110	0.17	4	PN202B□-C70-AS020A
100	100/1	32	40	50	100	0.17	4	PN202B□-D10-AS020A

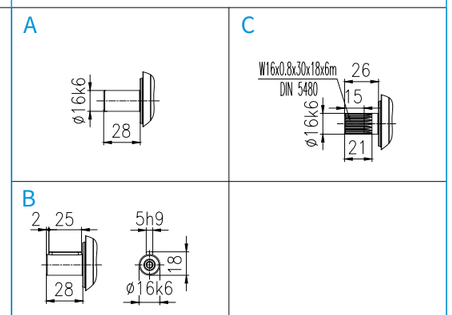
PN101B□-□□□-AS020A (mm)　　Weight:~2.3kg





PN202B□-□□□-AS020A (mm)　　Weight:~3kg

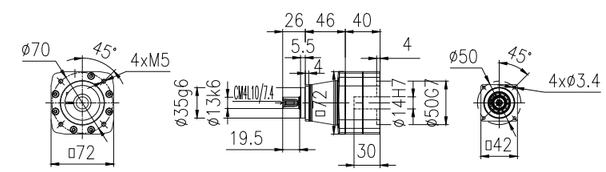


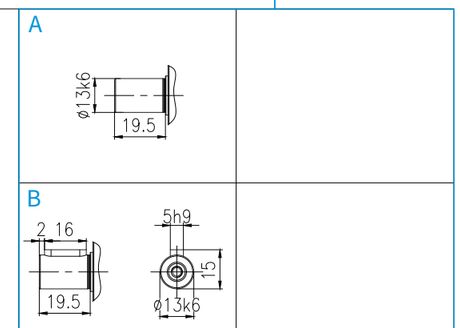


输入法兰:AS030A　　Input fange:AS030A

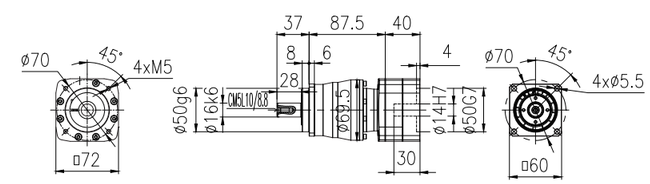
齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	7	15	19	35	0.58	5	PN101B□-B30-AS030A
4	4/1	11	22	28	40	0.56	5	PN101B□-B40-AS030A
5	5/1	11	22	28	40	0.56	5	PN101B□-B50-AS030A
7	7/1	11	22	28	40	0.56	5	PN101B□-B70-AS030A
10	10/1	8	12	20	30	0.55	5	PN101B□-C10-AS030A
12	12/1	32	40	50	100	0.58	4	PN202B□-C12-AS030A
16	16/1	42	52	60	110	0.57	4	PN202B□-C16-AS030A
20	20/1	42	52	60	110	0.57	4	PN202B□-C20-AS030A
25	25/1	42	52	70	110	0.56	4	PN202B□-C25-AS030A
28	28/1	42	52	60	110	0.57	4	PN202B□-C28-AS030A
30	30/1	32	40	50	100	0.58	4	PN202B□-C30-AS030A
35	35/1	42	52	70	110	0.56	4	PN202B□-C35-AS030A
40	40/1	42	52	60	110	0.57	4	PN202B□-C40-AS030A
50	50/1	42	52	70	110	0.56	4	PN202B□-C50-AS030A
70	70/1	42	52	60	110	0.56	4	PN202B□-C70-AS030A
100	100/1	32	40	50	100	0.56	4	PN202B□-D10-AS030A

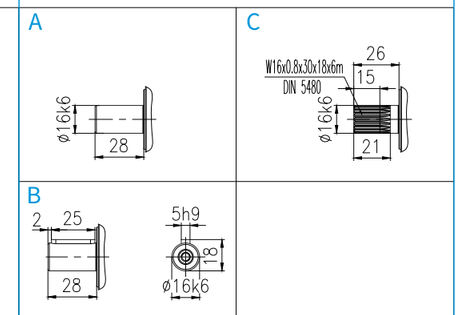
PN101B□-□□□-AS030A (mm)　　Weight:~2.3kg





PN202B□-□□□-AS030A (mm)　　Weight:~3kg

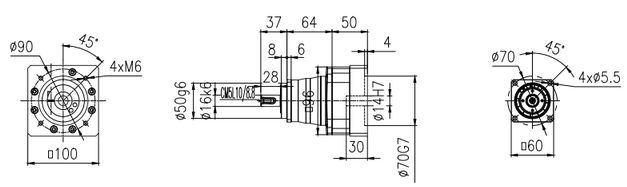




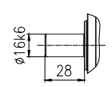
输入法兰:AS040A　　Input fange:AS040A

齿轮箱公称速比 Gearbox Nominal speed ratio	齿轮箱精确速比 Gearbox Accurate speed ratio	齿轮箱额定扭矩 Gearbox Rated torque	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque	齿轮箱最大扭矩 Gearbox Maximum torque	齿轮箱急停扭矩 Gearbox Emergency stop torque	齿轮箱转动惯量 Gearbox Rotational inertia	齿轮箱最大回程间隙 Gearbox Maximum return clearance	行星齿轮订货号 Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	22	40	55	100	1.46	4	PN102B□-B30-AS040A
4	4/1	28	52	70	110	1.38	4	PN102B□-B40-AS040A
5	5/1	28	52	70	110	2.66	4	PN102B□-B50-AS040A
7	7/1	28	52	70	110	2.66	4	PN102B□-B70-AS040A
10	10/1	28	40	55	105	3.94	4	PN102B□-C10-AS040A
12	12/1	88	110	110	200	1.44	4	PN203B□-C12-AS040A
16	16/1	105	132	132	255	1.38	4	PN203B□-C16-AS040A
20	20/1	105	132	132	255	1.36	4	PN203B□-C20-AS040A
25	25/1	110	138	165	255	1.35	4	PN203B□-C25-AS040A
28	28/1	105	132	132	255	1.33	4	PN203B□-C28-AS040A
30	30/1	88	110	110	200	1.37	4	PN203B□-C30-AS040A
35	35/1	110	138	165	255	1.32	4	PN203B□-C35-AS040A
40	40/1	105	132	132	255	1.31	4	PN203B□-C40-AS040A
50	50/1	110	138	165	255	1.3	4	PN203B□-C50-AS040A
70	70/1	95	118	118	255	1.29	4	PN203B□-C70-AS040A
100	100/1	88	110	110	200	1.29	4	PN203B□-D10-AS040A

PN102B□-□□□-AS040A (mm)　　Weight:~3.5kg



A



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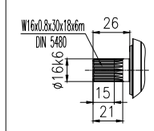
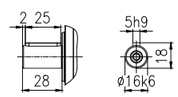
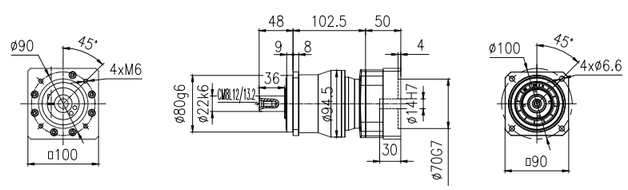


B



PN203B□-□□□-AS040A (mm)　　Weight:~6kg



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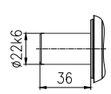

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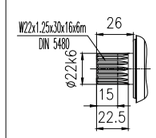

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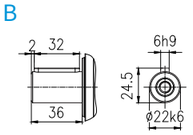
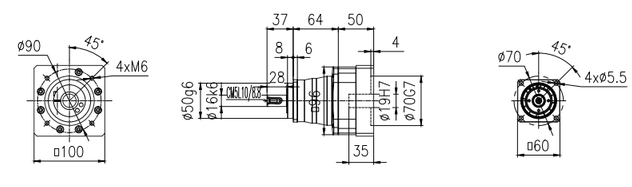


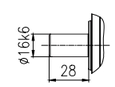
输入法兰:AS040B　　Input fange:AS040B

齿轮箱公称速比 Gearbox Nominal speed ratio	齿轮箱精确速比 Gearbox Accurate speed ratio	齿轮箱额定扭矩 Gearbox Rated torque	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque	齿轮箱最大扭矩 Gearbox Maximum torque	齿轮箱急停扭矩 Gearbox Emergency stop torque	齿轮箱转动惯量 Gearbox Rotational inertia	齿轮箱最大回程间隙 Gearbox Maximum return clearance	行星齿轮订货号 Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	22	40	55	100	1.44	4	PN102B□-B30-AS040B
4	4/1	28	52	70	110	1.36	4	PN102B□-B40-AS040B
5	5/1	28	52	70	110	1.32	4	PN102B□-B50-AS040B
7	7/1	28	52	70	110	1.29	4	PN102B□-B70-AS040B
10	10/1	28	40	55	105	1.28	4	PN102B□-C10-AS040B
12	12/1	88	110	110	200	1.42	4	PN203B□-C12-AS040B
16	16/1	105	132	132	255	1.36	4	PN203B□-C16-AS040B
20	20/1	105	132	132	255	1.34	4	PN203B□-C20-AS040B
25	25/1	110	138	165	255	1.33	4	PN203B□-C25-AS040B
28	28/1	105	132	132	255	1.31	4	PN203B□-C28-AS040B
30	30/1	88	110	110	200	1.35	4	PN203B□-C30-AS040B
35	35/1	110	138	165	255	1.3	4	PN203B□-C35-AS040B
40	40/1	105	132	132	255	1.29	4	PN203B□-C40-AS040B
50	50/1	110	138	165	255	1.28	4	PN203B□-C50-AS040B
70	70/1	95	118	118	255	1.27	4	PN203B□-C70-AS040B
100	100/1	88	110	110	200	1.27	4	PN203B□-D10-AS040B

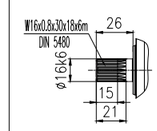
PN102B□-□□□-AS040B (mm)　　Weight:~3.5kg



A



C



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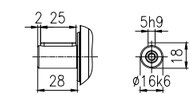
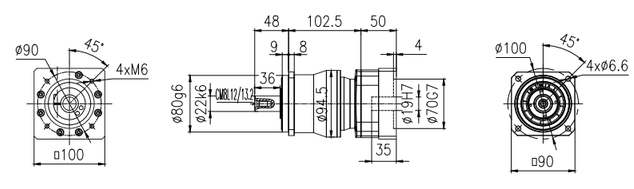
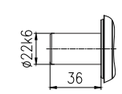


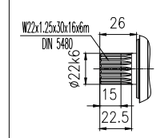
PN203B□-□□□-AS040B (mm)　　Weight:~6kg



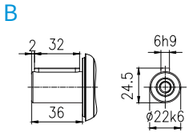
A



C



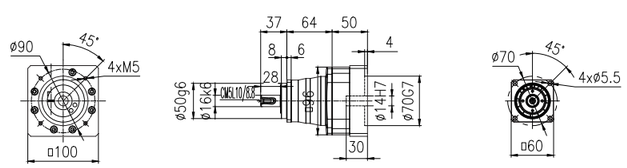
B



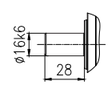
输入法兰:AS040C　　Input fange:AS040C

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	1.46	4	PN102B□-B30-AS040C
4	4/1	28	52	70	110	1.38	4	PN102B□-B40-AS040C
5	5/1	28	52	70	110	2.66	4	PN102B□-B50-AS040C
7	7/1	28	52	70	110	2.66	4	PN102B□-B70-AS040C
10	10/1	28	40	55	105	3.94	4	PN102B□-C10-AS040C
12	12/1	88	110	110	200	1.44	4	PN203B□-C12-AS040C
16	16/1	105	132	132	255	1.38	4	PN203B□-C16-AS040C
20	20/1	105	132	132	255	1.36	4	PN203B□-C20-AS040C
25	25/1	110	138	165	255	1.35	4	PN203B□-C25-AS040C
28	28/1	105	132	132	255	1.33	4	PN203B□-C28-AS040C
30	30/1	88	110	110	200	1.37	4	PN203B□-C30-AS040C
35	35/1	110	138	165	255	1.32	4	PN203B□-C35-AS040C
40	40/1	105	132	132	255	1.31	4	PN203B□-C40-AS040C
50	50/1	110	138	165	255	1.3	4	PN203B□-C50-AS040C
70	70/1	95	118	118	255	1.29	4	PN203B□-C70-AS040C
100	100/1	88	110	110	200	1.29	4	PN203B□-D10-AS040C

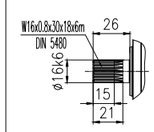
PN102B□-□□□-AS040C (mm)　　Weight:~3.5kg



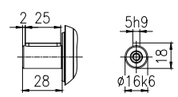
A



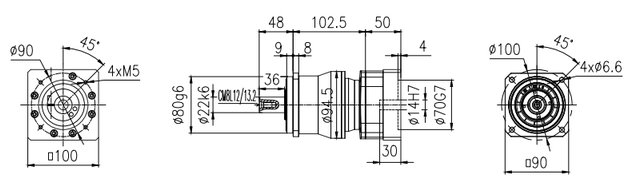
C



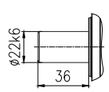
B



PN203B□-□□□-AS040C (mm)　　Weight:~6kg



A



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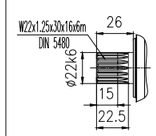
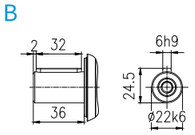


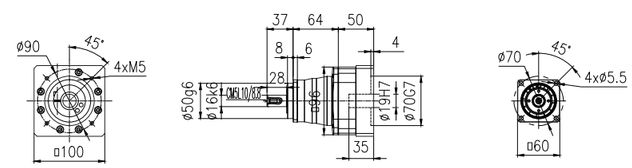
B



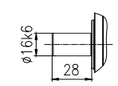
输入法兰:AS040D　　Input fange:AS040D

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	1.44	4	PN102B□-B30-AS040D
4	4/1	28	52	70	110	1.36	4	PN102B□-B40-AS040D
5	5/1	28	52	70	110	1.32	4	PN102B□-B50-AS040D
7	7/1	28	52	70	110	1.29	4	PN102B□-B70-AS040D
10	10/1	28	40	55	105	1.28	4	PN102B□-C10-AS040D
12	12/1	88	110	110	200	1.42	4	PN203B□-C12-AS040D
16	16/1	105	132	132	255	1.36	4	PN203B□-C16-AS040D
20	20/1	105	132	132	255	1.34	4	PN203B□-C20-AS040D
25	25/1	110	138	165	255	1.33	4	PN203B□-C25-AS040D
28	28/1	105	132	132	255	1.31	4	PN203B□-C28-AS040D
30	30/1	88	110	110	200	1.35	4	PN203B□-C30-AS040D
35	35/1	110	138	165	255	1.3	4	PN203B□-C35-AS040D
40	40/1	105	132	132	255	1.29	4	PN203B□-C40-AS040D
50	50/1	110	138	165	255	1.28	4	PN203B□-C50-AS040D
70	70/1	95	118	118	255	1.27	4	PN203B□-C70-AS040D
100	100/1	88	110	110	200	1.27	4	PN203B□-D10-AS040D

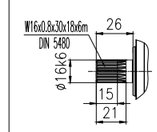
PN102B□-□□□-AS040D (mm)　　Weight:~3.5kg



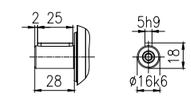
A



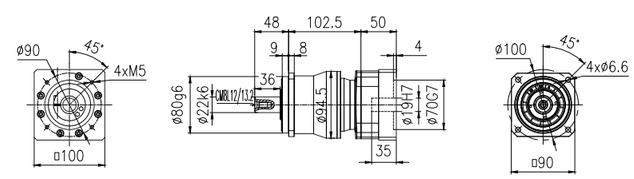
C



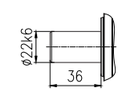
B



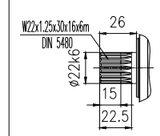
PN203B□-□□□-AS040D (mm)　　Weight:~6kg



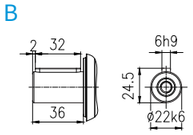
A



C



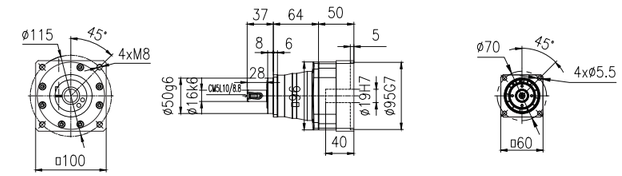
B



输入法兰:AS050A　　Input fange:AS050A

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	1.44	4	PN102B□-B30-AS050A
4	4/1	28	52	70	110	1.36	4	PN102B□-B40-AS050A
5	5/1	28	52	70	110	1.32	4	PN102B□-B50-AS050A
7	7/1	28	52	70	110	1.29	4	PN102B□-B70-AS050A
10	10/1	28	40	55	105	1.28	4	PN102B□-C10-AS050A
3	3/1	66	108	142	200	2.52	3	PN103B□-B30-AS050A
4	4/1	85	140	185	255	2.16	3	PN103B□-B40-AS050A
5	5/1	85	140	185	255	2.03	3	PN103B□-B50-AS050A
7	7/1	85	140	185	255	1.9	3	PN103B□-B70-AS050A
10	10/1	85	120	160	200	1.84	3	PN103B□-C10-AS050A
12	12/1	88	110	110	200	1.42	4	PN203B□-C12-AS050A
16	16/1	105	132	132	255	1.36	4	PN203B□-C16-AS050A
20	20/1	105	132	132	255	1.34	4	PN203B□-C20-AS050A
25	25/1	110	138	165	255	1.33	4	PN203B□-C25-AS050A
28	28/1	105	132	132	255	1.31	4	PN203B□-C28-AS050A
30	30/1	88	110	110	200	1.35	4	PN203B□-C30-AS050A
35	35/1	110	138	165	255	1.3	4	PN203B□-C35-AS050A
40	40/1	105	132	132	255	1.29	4	PN203B□-C40-AS050A
50	50/1	110	138	165	255	1.28	4	PN203B□-C50-AS050A
70	70/1	95	118	118	255	1.27	4	PN203B□-C70-AS050A
100	100/1	88	110	110	200	1.27	4	PN203B□-D10-AS050A
12	12/1	215	270	270	515	2.44	3	PN204B□-C12-AS050A
16	16/1	250	360	360	630	2.22	3	PN204B□-C16-AS050A
20	20/1	265	360	360	630	2.09	3	PN204B□-C20-AS050A
25	25/1	265	360	360	630	2.04	3	PN204B□-C25-AS050A
28	28/1	285	360	360	630	1.98	3	PN204B□-C28-AS050A
30	30/1	215	270	270	515	2.14	3	PN204B□-C30-AS050A
35	35/1	285	360	360	630	1.93	3	PN204B□-C35-AS050A
40	40/1	285	360	360	630	1.92	3	PN204B□-C40-AS050A
50	50/1	285	360	360	630	1.87	3	PN204B□-C50-AS050A
70	70/1	285	360	360	630	1.84	3	PN204B□-C70-AS050A
100	100/1	215	270	270	515	2.44	3	PN204B□-D10-AS050A

PN102B□-□□□-AS050A (mm)　　Weight:~3.5kg



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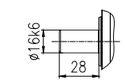

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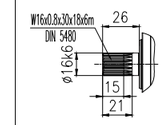
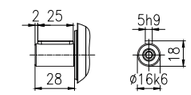
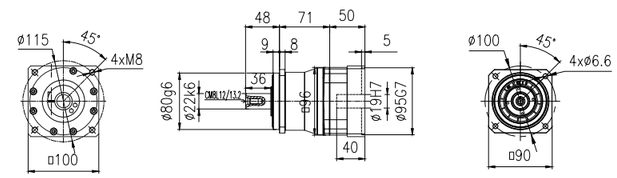


B



PN103B□-□□□-AS050A (mm)　　Weight:~5.5kg



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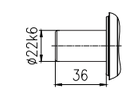

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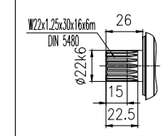

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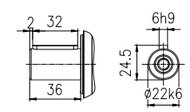
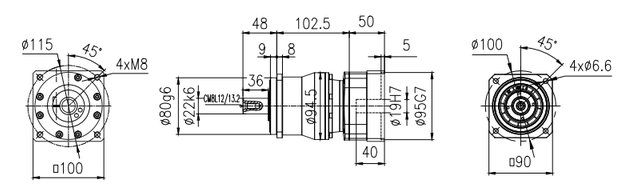


PN203B□-□□□-AS050A (mm)　　Weight:~6kg



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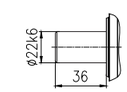

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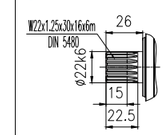
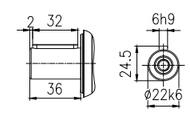
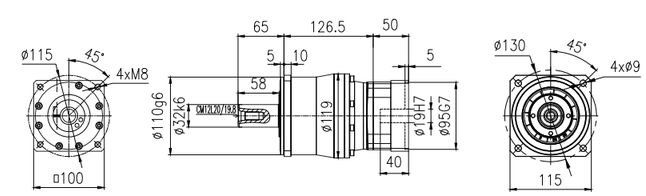


B



PN204B□-□□□-AS050A (mm)　　Weight:~10.5kg



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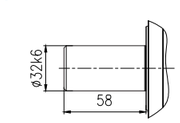
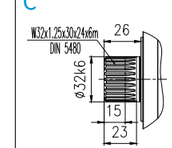
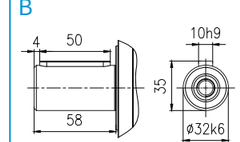


C



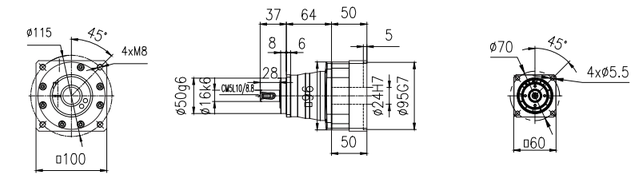
B



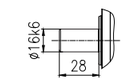
输入法兰:AS050B　　Input fange:AS050B

齿轮箱公称速比	齿轮箱精确速比	齿轮箱额定扭矩	齿轮箱最大加速扭矩	齿轮箱最大扭矩	齿轮箱急停扭矩	齿轮箱转动惯量	齿轮箱最大回程间隙	行星齿轮订货号
Gearbox Nominal speed ratio	Gearbox Accurate speed ratio	Gearbox Rated torque	Gearbox maximum Acceleration torque	Gearbox Maximum torque	Gearbox Emergency stop torque	Gearbox Rotational inertia	Gearbox Maximum return clearance	Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	22	40	55	100	2.21	4	PN102B□-B30-AS050B
4	4/1	28	52	70	110	2.13	4	PN102B□-B40-AS050B
5	5/1	28	52	70	110	2.09	4	PN102B□-B50-AS050B
7	7/1	28	52	70	110	2.06	4	PN102B□-B70-AS050B
10	10/1	28	40	55	105	2.05	4	PN102B□-C10-AS050B
3	3/1	66	108	142	200	3.28	3	PN103B□-B30-AS050B
4	4/1	85	140	185	255	2.92	3	PN103B□-B40-AS050B
5	5/1	85	140	185	255	2.79	3	PN103B□-B50-AS050B
7	7/1	85	140	185	255	2.66	3	PN103B□-B70-AS050B
10	10/1	85	120	160	200	2.60	3	PN103B□-C10-AS050B
12	12/1	88	110	110	200	2.19	4	PN203B□-C12-AS050B
16	16/1	105	132	132	255	2.13	4	PN203B□-C16-AS050B
20	20/1	105	132	132	255	2.11	4	PN203B□-C20-AS050B
25	25/1	110	138	165	255	2.10	4	PN203B□-C25-AS050B
28	28/1	105	132	132	255	2.08	4	PN203B□-C28-AS050B
30	30/1	88	110	110	200	2.12	4	PN203B□-C30-AS050B
35	35/1	110	138	165	255	2.07	4	PN203B□-C35-AS050B
40	40/1	105	132	132	255	2.06	4	PN203B□-C40-AS050B
50	50/1	110	138	165	255	2.05	4	PN203B□-C50-AS050B
70	70/1	95	118	118	255	2.04	4	PN203B□-C70-AS050B
100	100/1	88	110	110	200	2.04	4	PN203B□-D10-AS050B
12	12/1	215	270	270	515	3.20	3	PN204B□-C12-AS050B
16	16/1	250	360	360	630	2.98	3	PN204B□-C16-AS050B
20	20/1	265	360	360	630	2.85	3	PN204B□-C20-AS050B
25	25/1	265	360	360	630	2.80	3	PN204B□-C25-AS050B
28	28/1	285	360	360	630	2.74	3	PN204B□-C28-AS050B
30	30/1	215	270	270	515	2.90	3	PN204B□-C30-AS050B
35	35/1	285	360	360	630	2.69	3	PN204B□-C35-AS050B
40	40/1	285	360	360	630	2.68	3	PN204B□-C40-AS050B
50	50/1	285	360	360	630	2.63	3	PN204B□-C50-AS050B
70	70/1	285	360	360	630	2.60	3	PN204B□-C70-AS050B
100	100/1	215	270	270	630	2.59	3	PN204B□-D10-AS050B

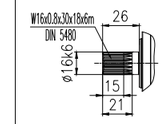
PN102B□-□□□-AS050B (mm)　　Weight:~3.5kg



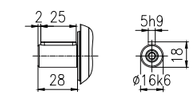
A



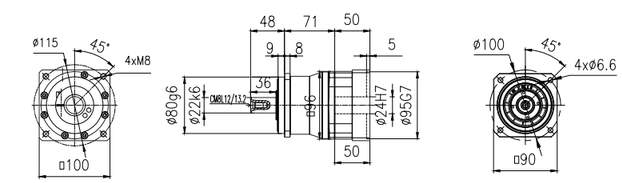
C



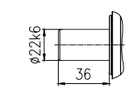
B



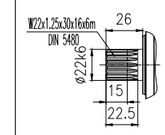
PN103B□-□□□-AS050B (mm)　　Weight:~5.5kg



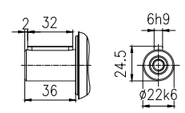
A



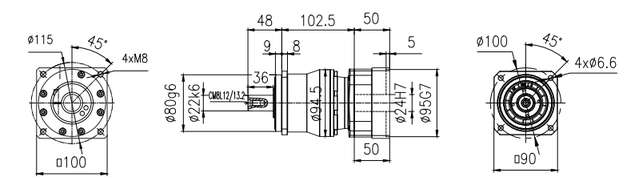
C



B



PN203B□-□□□-AS050B (mm)　　Weight:~6kg



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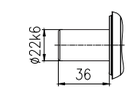

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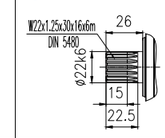

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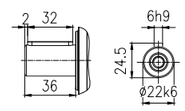
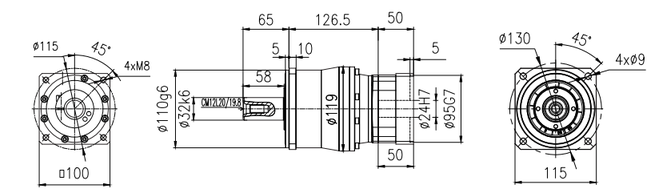


PN204B□-□□□-AS050B (mm)　　Weight:~10.5kg



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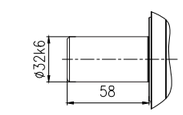

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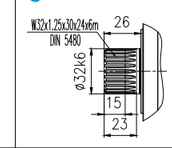
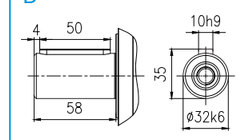


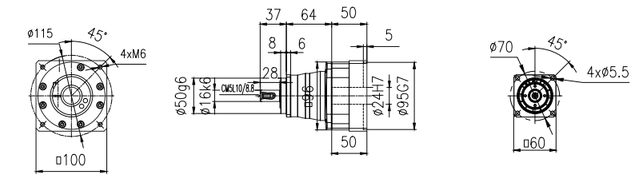
B



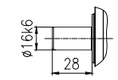
输入法兰:AS050C　　Input fange:AS050C

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	22	40	55	100	2.21	4	PN102B□-B30-AS050C
4	4/1	28	52	70	110	2.13	4	PN102B□-B40-AS050C
5	5/1	28	52	70	110	2.09	4	PN102B□-B50-AS050C
7	7/1	28	52	70	110	2.06	4	PN102B□-B70-AS050C
10	10/1	28	40	55	105	2.05	4	PN102B□-C10-AS050C
3	3/1	66	108	142	200	3.28	3	PN103B□-B30-AS050C
4	4/1	85	140	185	255	2.92	3	PN103B□-B40-AS050C
5	5/1	85	140	185	255	2.79	3	PN103B□-B50-AS050C
7	7/1	85	140	185	255	2.66	3	PN103B□-B70-AS050C
10	10/1	85	120	160	200	2.60	3	PN103B□-C10-AS050C
12	12/1	88	110	110	200	2.19	4	PN203B□-C12-AS050C
16	16/1	105	132	132	255	2.13	4	PN203B□-C16-AS050C
20	20/1	105	132	132	255	2.11	4	PN203B□-C20-AS050C
25	25/1	110	138	165	255	2.10	4	PN203B□-C25-AS050C
28	28/1	105	132	132	255	2.08	4	PN203B□-C28-AS050C
30	30/1	88	110	110	200	2.12	4	PN203B□-C30-AS050C
35	35/1	110	138	165	255	2.07	4	PN203B□-C35-AS050C
40	40/1	105	132	132	255	2.06	4	PN203B□-C40-AS050C
50	50/1	110	138	165	255	2.05	4	PN203B□-C50-AS050C
70	70/1	95	118	118	255	2.04	4	PN203B□-C70-AS050C
100	100/1	88	110	110	200	2.04	4	PN203B□-D10-AS050C
12	12/1	215	270	270	515	3.20	3	PN204B□-C12-AS050C
16	16/1	250	360	360	630	2.98	3	PN204B□-C16-AS050C
20	20/1	265	360	360	630	2.85	3	PN204B□-C20-AS050C
25	25/1	265	360	360	630	2.80	3	PN204B□-C25-AS050C
28	28/1	285	360	360	630	2.74	3	PN204B□-C28-AS050C
30	30/1	215	270	270	515	2.90	3	PN204B□-C30-AS050C
35	35/1	285	360	360	630	2.69	3	PN204B□-C35-AS050C
40	40/1	285	360	360	630	2.68	3	PN204B□-C40-AS050C
50	50/1	285	360	360	630	2.63	3	PN204B□-C50-AS050C
70	70/1	285	360	360	630	2.60	3	PN204B□-C70-AS050C
100	100/1	215	270	270	630	2.59	3	PN204B□-D10-AS050C

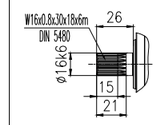
PN102B□-□□□-AS050C (mm)　　Weight:~3.5kg



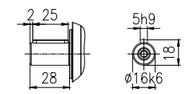
A



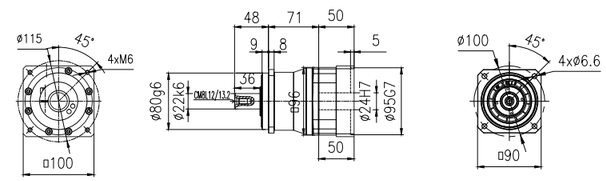
C



B



PN103B□-□□□-AS050C (mm)　　Weight:~5.5kg



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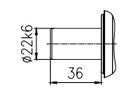

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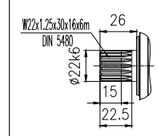

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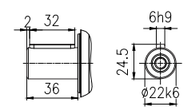
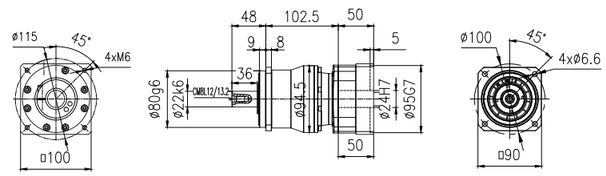


PN203B□-□□□-AS050C (mm)　　Weight:~6kg



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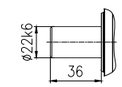

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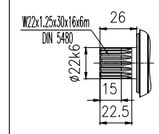

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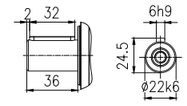
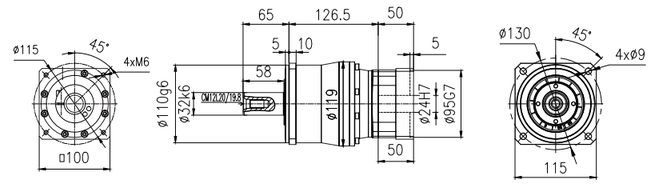


PN204B□-□□□-AS050C (mm)　　Weight:~10.5kg



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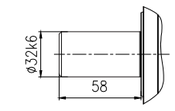

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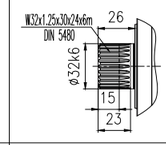

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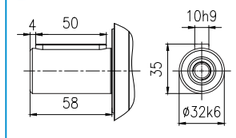
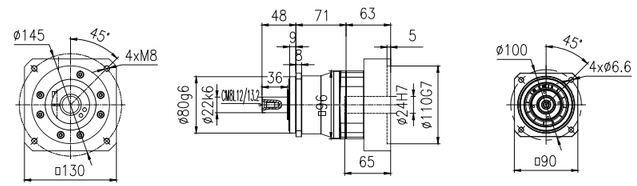


输入法兰:AS071A　　Input fange:AS071A

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	66	108	142	200	3.28	3	PN103B□-B30-AS071A
4	4/1	85	140	185	255	2.92	3	PN103B□-B40-AS071A
5	5/1	85	140	185	255	2.79	3	PN103B□-B50-AS071A
7	7/1	85	140	185	255	2.66	3	PN103B□-B70-AS071A
10	10/1	85	120	160	200	2.60	3	PN103B□-C10-AS071A
3	3/1	138	290	390	515	6.42	2	PN104B□-B30-AS071A
4	4/1	185	390	515	630	5.06	2	PN104B□-B40-AS071A
5	5/1	185	390	515	630	4.55	2	PN104B□-B50-AS071A
7	7/1	185	390	445	630	4.09	2	PN104B□-B70-AS071A
10	10/1	185	290	390	630	3.84	2	PN104B□-C10-AS071A
12	12/1	215	270	270	515	3.20	3	PN204B□-C12-AS071A
16	16/1	250	360	360	630	2.98	3	PN204B□-C16-AS071A
20	20/1	265	360	360	630	2.85	3	PN204B□-C20-AS071A
25	25/1	265	360	360	630	2.80	3	PN204B□-C25-AS071A
28	28/1	285	360	360	630	2.74	3	PN204B□-C28-AS071A
30	30/1	215	270	270	515	2.90	3	PN204B□-C30-AS071A
35	35/1	285	360	360	630	2.69	3	PN204B□-C35-AS071A
40	40/1	285	360	360	630	2.68	3	PN204B□-C40-AS071A
50	50/1	285	360	360	630	2.63	3	PN204B□-C50-AS071A
70	70/1	285	360	360	630	2.60	3	PN204B□-C70-AS071A
100	100/1	215	270	270	630	2.59	3	PN204B□-D10-AS071A
12	12/1	300	530	530	1250	5.75	2	PN205B□-C12-AS071A
16	16/1	480	760	760	1350	5.00	2	PN205B□-C16-AS071A
20	20/1	515	760	760	1350	4.74	2	PN205B□-C20-AS071A
25	25/1	515	700	700	1350	4.56	2	PN205B□-C25-AS071A
28	28/1	570	760	760	1350	4.34	2	PN205B□-C28-AS071A
30	30/1	300	530	530	1250	4.87	2	PN205B□-C30-AS071A
35	35/1	560	700	700	1350	4.16	2	PN205B□-C35-AS071A
40	40/1	610	760	760	1350	4.12	2	PN205B□-C40-AS071A
50	50/1	560	700	700	1350	3.94	2	PN205B□-C50-AS071A
70	70/1	610	725	725	1350	3.84	2	PN205B□-C70-AS071A
100	100/1	490	590	590	1250	3.82	2	PN205B□-D10-AS071A

PN103B□-□□□-AS071A (mm)　　Weight:~6.5kg



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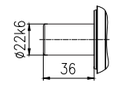

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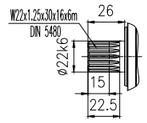

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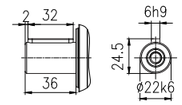
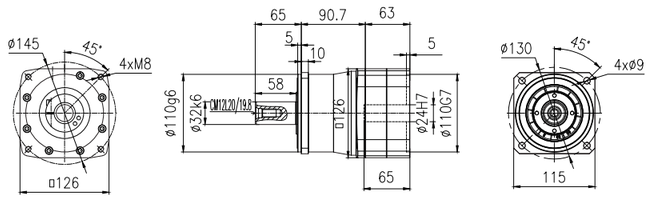


PN104B□-□□□-AS071A (mm)　　Weight:~12kg



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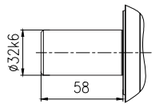

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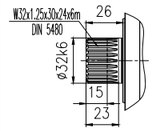

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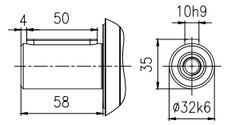
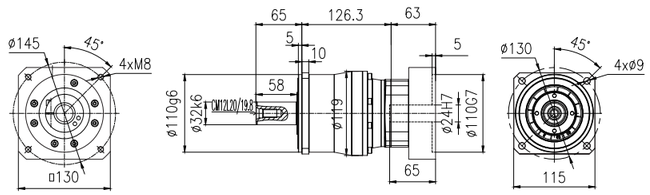


PN204B□-□□□-AS071A (mm)　　Weight:~12.5kg



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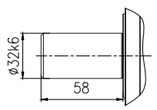

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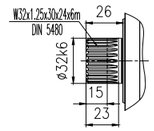

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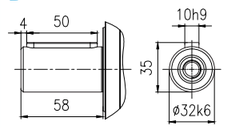
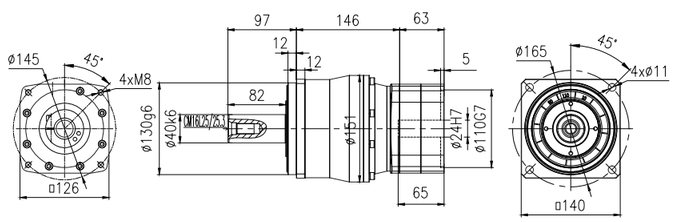


PN205B□-□□□-AS071A (mm)　　Weight:~22.5kg



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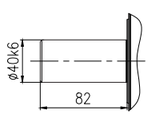

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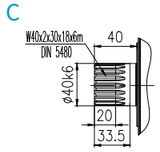

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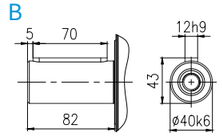
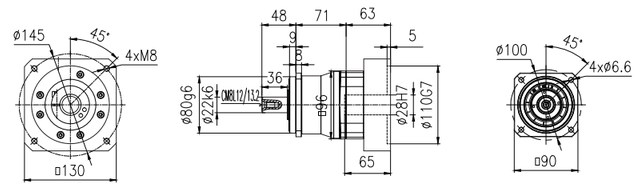


输入法兰:AS071B　　Input fange:AS071B

齿轮箱公称速比	齿轮箱精确速比	齿轮箱额定扭矩	齿轮箱最大加速扭矩	齿轮箱最大扭矩	齿轮箱急停扭矩	齿轮箱转动惯量	齿轮箱最大回程间隙	行星齿轮订货号
Gearbox Nominal speed ratio	Gearbox Accurate speed ratio	Gearbox Rated torque	Gearbox maximum Acceleration torque	Gearbox Maximum torque	Gearbox Emergency stop torque	Gearbox Rotational inertia	Gearbox Maximum return clearance	Planetary precision gearbox order number
i	i_{ex}	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	66	108	142	200	6.27	3	PN103B□-B30-AS071B
4	4/1	85	140	185	255	5.91	3	PN103B□-B40-AS071B
5	5/1	85	140	185	255	5.78	3	PN103B□-B50-AS071B
7	7/1	85	140	185	255	5.65	3	PN103B□-B70-AS071B
10	10/1	85	120	160	200	5.59	3	PN103B□-C10-AS071B
3	3/1	138	290	390	515	9.40	2	PN104B□-B30-AS071B
4	4/1	185	390	515	630	8.04	2	PN104B□-B40-AS071B
5	5/1	185	390	515	630	7.53	2	PN104B□-B50-AS071B
7	7/1	185	390	445	630	7.07	2	PN104B□-B70-AS071B
10	10/1	185	290	390	630	6.82	2	PN104B□-C10-AS071B
12	12/1	215	270	270	515	6.19	3	PN204B□-C12-AS071B
16	16/1	250	360	360	630	5.97	3	PN204B□-C16-AS071B
20	20/1	265	360	360	630	5.84	3	PN204B□-C20-AS071B
25	25/1	265	360	360	630	5.79	3	PN204B□-C25-AS071B
28	28/1	285	360	360	630	5.73	3	PN204B□-C28-AS071B
30	30/1	215	270	270	515	5.89	3	PN204B□-C30-AS071B
35	35/1	285	360	360	630	5.68	3	PN204B□-C35-AS071B
40	40/1	285	360	360	630	5.67	3	PN204B□-C40-AS071B
50	50/1	285	360	360	630	5.62	3	PN204B□-C50-AS071B
70	70/1	285	360	360	630	5.59	3	PN204B□-C70-AS071B
100	100/1	215	270	270	630	5.58	3	PN204B□-D10-AS071B
12	12/1	300	530	530	1250	8.73	2	PN205B□-C12-AS071B
16	16/1	480	760	760	1350	7.98	2	PN205B□-C16-AS071B
20	20/1	515	760	760	1350	7.72	2	PN205B□-C20-AS071B
25	25/1	515	700	700	1350	7.54	2	PN205B□-C25-AS071B
28	28/1	570	760	760	1350	7.32	2	PN205B□-C28-AS071B
30	30/1	300	530	530	1250	7.85	2	PN205B□-C30-AS071B
35	35/1	560	700	700	1350	7.14	2	PN205B□-C35-AS071B
40	40/1	610	760	760	1350	7.10	2	PN205B□-C40-AS071B
50	50/1	560	700	700	1350	6.92	2	PN205B□-C50-AS071B
70	70/1	610	725	725	1350	6.82	2	PN205B□-C70-AS071B
100	100/1	490	590	590	1250	6.80	2	PN205B□-D10-AS071B

PN103B□-□□□-AS071B (mm)　　Weight:~6.5kg



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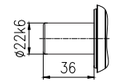
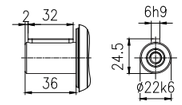


B



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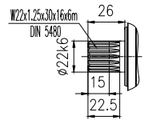
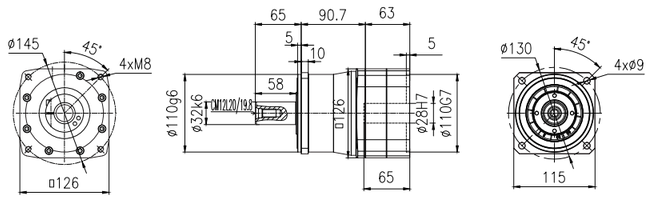


PN104B□-□□□-AS071B (mm)　　Weight:~12kg



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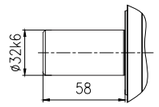
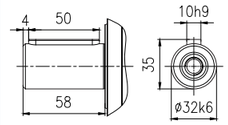


B



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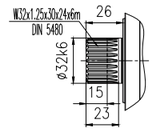
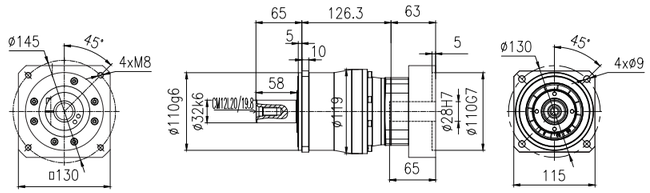


PN204B□-□□□-AS071B (mm)　　Weight:~12.5kg



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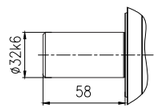

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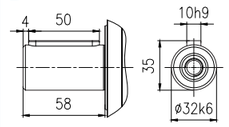

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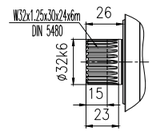
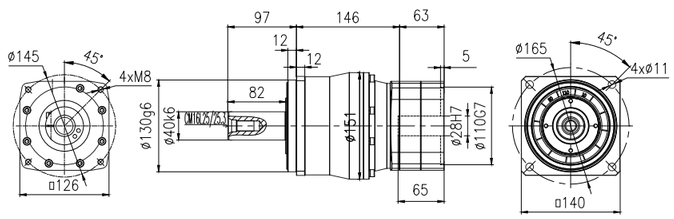


PN205B□-□□□-AS071B (mm)　　Weight:~22.5kg



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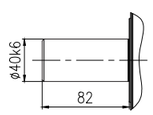
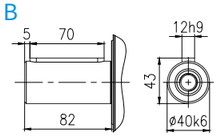
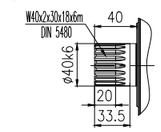


B



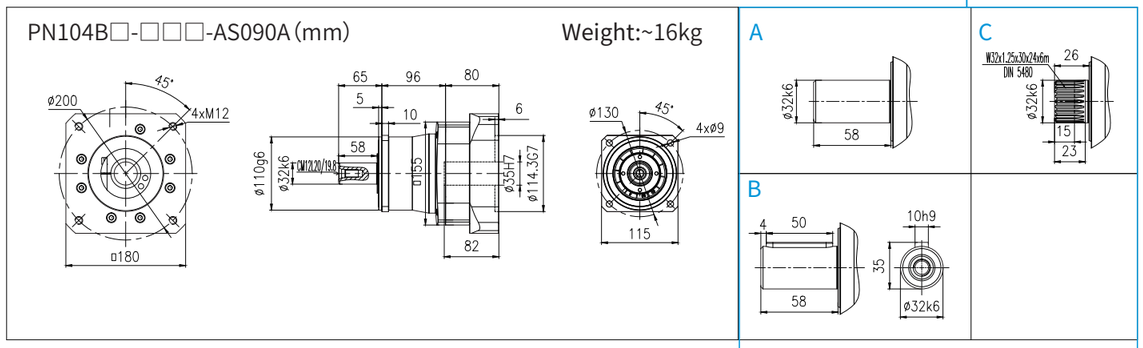
C



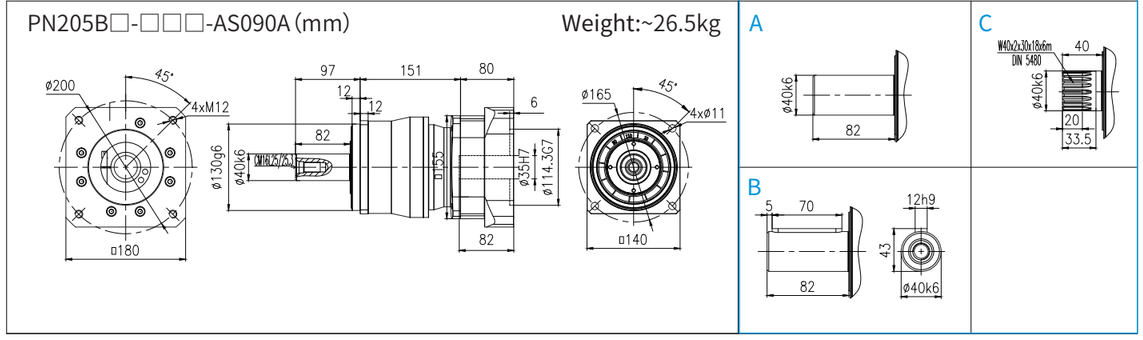
输入法兰:AS090A　　Input fange:AS090A

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	138	290	390	515	15.99	2	PN104B□-B30-AS090A
4	4/1	185	390	515	630	14.63	2	PN104B□-B40-AS090A
5	5/1	185	390	515	630	14.12	2	PN104B□-B50-AS090A
7	7/1	185	390	445	630	13.66	2	PN104B□-B70-AS090A
10	10/1	185	290	390	630	13.41	2	PN104B□-C10-AS090A
12	12/1	300	530	530	1250	15.32	2	PN205B□-C12-AS090A
16	16/1	480	760	760	1350	14.57	2	PN205B□-C16-AS090A
20	20/1	515	760	760	1350	14.31	2	PN205B□-C20-AS090A
25	25/1	515	700	700	1350	14.13	2	PN205B□-C25-AS090A
28	28/1	570	760	760	1350	13.91	2	PN205B□-C28-AS090A
30	30/1	300	530	530	1250	14.44	2	PN205B□-C30-AS090A
35	35/1	560	700	700	1350	13.73	2	PN205B□-C35-AS090A
40	40/1	610	760	760	1350	13.69	2	PN205B□-C40-AS090A
50	50/1	560	700	700	1350	13.51	2	PN205B□-C50-AS090A
70	70/1	610	725	725	1350	13.41	2	PN205B□-C70-AS090A
100	100/1	490	590	590	1250	13.39	2	PN205B□-D10-AS090A

PN104B□-□□□-AS090A (mm)　　Weight:~16kg



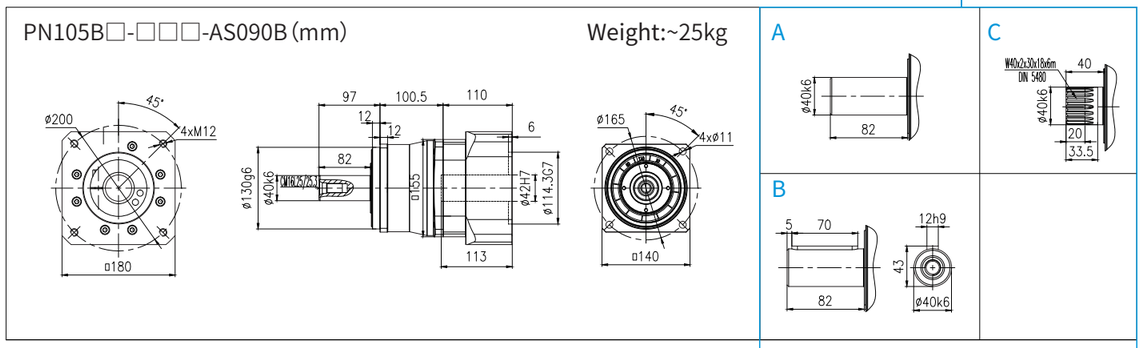
PN205B□-□□□-AS090A (mm)　　Weight:~26.5kg



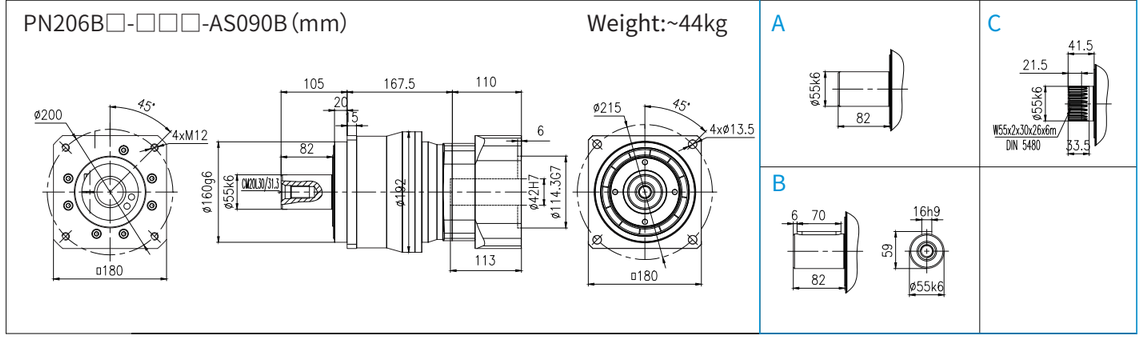
输入法兰:AS090B　　Input fange:AS090B

齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	220	500	650	1250	28.76	2	PN105B□-B30-AS090B
4	4/1	355	830	1100	1350	24.15	2	PN105B□-B40-AS090B
5	5/1	355	830	1100	1350	22.41	2	PN105B□-B50-AS090B
7	7/1	345	830	865	1350	20.86	2	PN105B□-B70-AS090B
10	10/1	345	665	750	1250	20.03	2	PN105B□-C10-AS090B
12	12/1	730	1300	1300	2850	26.86	2	PN206B□-C12-AS090B
16	16/1	1200	1600	1600	2850	24.60	2	PN206B□-C16-AS090B
20	20/1	1200	1600	1600	2850	23.03	2	PN206B□-C20-AS090B
25	25/1	1200	1600	2000	2850	22.48	2	PN206B□-C25-AS090B
28	28/1	1200	1600	1600	2850	21.63	2	PN206B□-C28-AS090B
30	30/1	730	1300	1300	2850	23.15	2	PN206B□-C30-AS090B
35	35/1	1200	1600	2000	2850	21.08	2	PN206B□-C35-AS090B
40	40/1	1200	1600	1600	2850	20.89	2	PN206B□-C40-AS090B
50	50/1	1200	1600	2000	2850	20.34	2	PN206B□-C50-AS090B
70	70/1	1200	1500	1500	2850	20.05	2	PN206B□-C70-AS090B
100	100/1	970	1300	1400	2850	19.98	2	PN206B□-D10-AS090B

PN105B□-□□□-AS090B (mm)　　Weight:~25kg



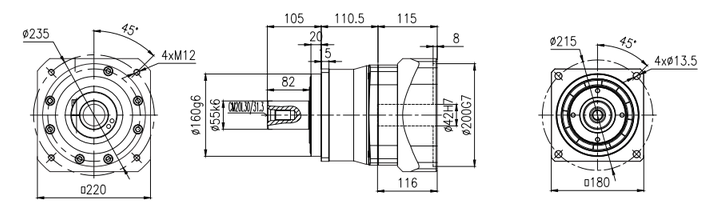
PN206B□-□□□-AS090B (mm)　　Weight:~44kg



输入法兰:AS110A　　Input fange:AS110A

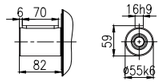
齿轮箱公称速比 Gearbox Nominal speed ratio i	齿轮箱精确速比 Gearbox Accurate speed ratio i_{ex}	齿轮箱额定扭矩 Gearbox Rated torque T_{2N} N.m	齿轮箱最大加速扭矩 Gearbox maximum Acceleration torque T_{2B} N.m	齿轮箱最大扭矩 Gearbox Maximum torque T_{2a} N.m	齿轮箱急停扭矩 Gearbox Emergency stop torque T_{2NOT} N.m	齿轮箱转动惯量 Gearbox Rotational inertia J_1 kgcm2	齿轮箱最大回程间隙 Gearbox Maximum return clearance Jt arcmin	行星齿轮订货号 Planetary precision gearbox order number
3	3/1	580	1200	1600	2600	61.7	2	PN106B□-B30-AS110A
4	4/1	950	1525	2030	2800	47.9	2	PN106B□-B40-AS110A
5	5/1	965	1525	2030	2800	42.6	2	PN106B□-B50-AS110A
7	7/1	925	1525	2030	2800	37.9	2	PN106B□-B70-AS110A
10	10/1	900	1200	1600	2600	35.4	2	PN106B□-C10-AS110A
3	3/1	1050	2300	2900	5350	108.4	2	PN107B□-B30-AS110A
4	4/1	1700	2950	3900	5950	79.06	2	PN107B□-B40-AS110A
5	5/1	1700	2950	3900	5950	67.46	2	PN107B□-B50-AS110A
7	7/1	1700	2950	3900	5950	57.16	2	PN107B□-B70-AS110A
10	10/1	1700	2300	2900	5950	51.61	2	PN107B□-C10-AS110A
12	12/1	1500	1900	2100	5550	52.65	2	PN207B□-C12-AS110A
16	16/1	1900	3000	3200	5550	47.78	2	PN207B□-C16-AS110A
20	20/1	1900	3100	3200	5550	43.28	2	PN207B□-C20-AS110A
25	25/1	1900	3100	3900	5550	42.07	2	PN207B□-C25-AS110A
28	28/1	1900	3000	3200	5550	39.29	2	PN207B□-C28-AS110A
30	30/1	1500	1900	2100	5550	42.01	2	PN207B□-C30-AS110A
35	35/1	1900	3000	3900	5550	38.08	2	PN207B□-C35-AS110A
40	40/1	1900	3000	3000	5550	37.14	2	PN207B□-C40-AS110A
50	50/1	1900	3000	3700	5550	35.93	2	PN207B□-C50-AS110A
70	70/1	1700	2600	2600	5550	35.3	2	PN207B□-C70-AS110A
100	100/1	1700	2200	2200	5550	35.13	2	PN207B□-D10-AS110A

PN106B□-□□□-AS110A(mm)

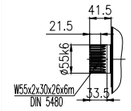


A

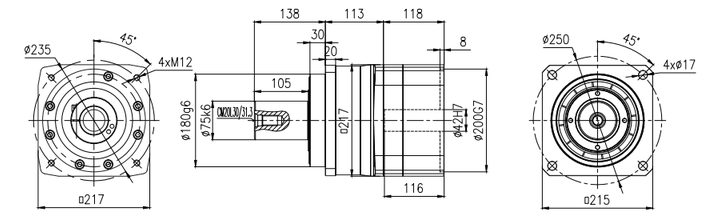
B



C



PN107B□-□□□-AS110A(mm)



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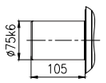

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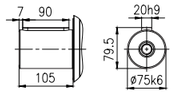
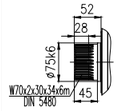
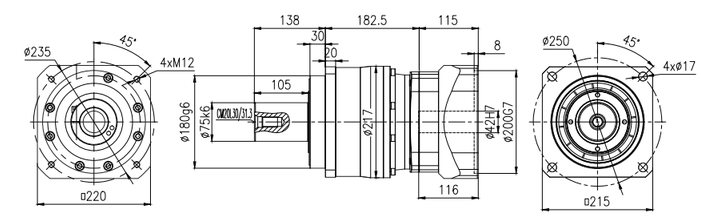


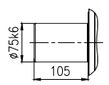
C



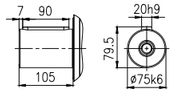
PN207B□-□□□-AS110A(mm)



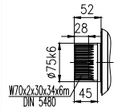
A



B



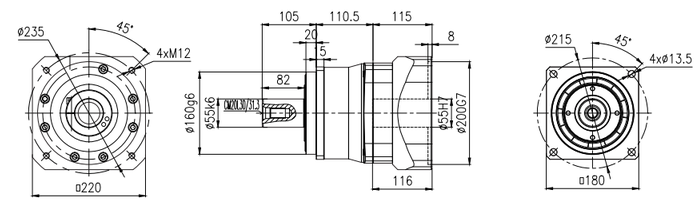
C



输入法兰:AS110B　　Input fange:AS110B

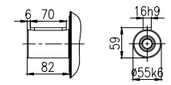
齿轮箱公称速比	齿轮箱精确速比	齿轮箱额定扭矩	齿轮箱最大加速扭矩	齿轮箱最大扭矩	齿轮箱急停扭矩	齿轮箱转动惯量	齿轮箱最大回程间隙	行星齿轮订货号
Gearbox Nominal speed ratio	Gearbox Accurate speed ratio	Gearbox Rated torque	Gearbox maximum Acceleration torque	Gearbox Maximum torque	Gearbox Emergency stop torque	Gearbox Rotational inertia	Gearbox Maximum return clearance	Planetary precision gearbox order number
i	iex	T_{2N} N.m	T_{2B} N.m	T_{2a} N.m	T_{2NOT} N.m	J_1 kgcm2	Jt arcmin	
3	3/1	580	1200	1600	2600	68.34	2	PN106B□-B30-AS110B
4	4/1	950	1525	2030	2800	54.62	2	PN106B□-B40-AS110B
5	5/1	965	1525	2030	2800	49.31	2	PN106B□-B50-AS110B
7	7/1	925	1525	2030	2800	44.62	2	PN106B□-B70-AS110B
10	10/1	900	1200	1600	2600	42.11	2	PN106B□-C10-AS110B
3	3/1	1050	2300	2900	5350	117.03	2	PN107B□-B30-AS110B
4	4/1	1700	2950	3900	5950	87.72	2	PN107B□-B40-AS110B
5	5/1	1700	2950	3900	5950	76.12	2	PN107B□-B50-AS110B
7	7/1	1700	2950	3900	5950	65.82	2	PN107B□-B70-AS110B
10	10/1	1700	2300	2900	5950	60.27	2	PN107B□-C10-AS110B
12	12/1	1500	1900	2100	5550	59.33	2	PN207B□-C12-AS110B
16	16/1	1900	3000	3200	5550	54.46	2	PN207B□-C16-AS110B
20	20/1	1900	3100	3200	5550	49.96	2	PN207B□-C20-AS110B
25	25/1	1900	3100	3900	5550	48.75	2	PN207B□-C25-AS110B
28	28/1	1900	3000	3200	5550	45.97	2	PN207B□-C28-AS110B
30	30/1	1500	1900	2100	5550	48.69	2	PN207B□-C30-AS110B
35	35/1	1900	3000	3900	5550	44.76	2	PN207B□-C35-AS110B
40	40/1	1900	3000	3000	5550	43.82	2	PN207B□-C40-AS110B
50	50/1	1900	3000	3700	5550	42.61	2	PN207B□-C50-AS110B
70	70/1	1700	2600	2600	5550	41.98	2	PN207B□-C70-AS110B
100	100/1	1700	2200	2200	5550	41.81	2	PN106B□-D10-AS110B

PN106B□-□□□-AS110B(mm)

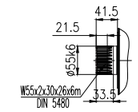


A

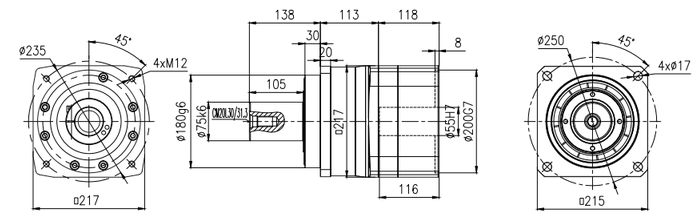
B



C



PN107B□-□□□-AS110B(mm)



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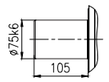

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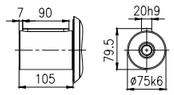

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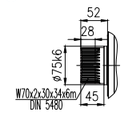
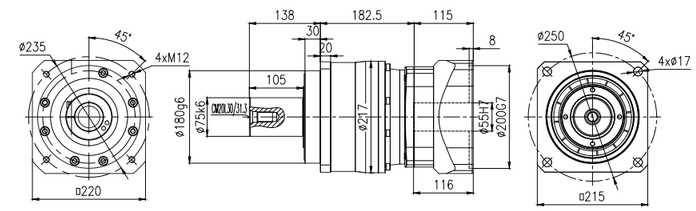


PN207B□-□□□-AS110B(mm)



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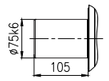

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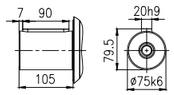

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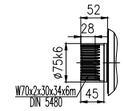


4 PN…B 输出轴允许的轴向力和径向力

4 PN…B Permissible axial and radial forces on the output shaft

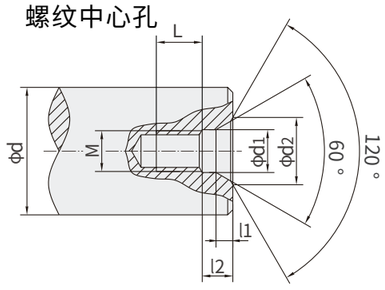
输出轴载荷	Output shaft load	代号 Code	单位 Unit	PN101B	PN102B / PN202B	PN103B / PN203B	PN104B / PN204B	PN105B / PN205B	PN106B / PN206B	PN107B / PN207B
20000h 的径向力	Radial force for 20000h	$F_{r20000h}$	N	600	1300	2050	2500	3500	7350	9300
20000h 的轴向力	Axial force for 20000h	$F_{a20000h}$		250	500	750	1050	1750	2600	3350
30000h 的径向力	Radial force for 30000h	$F_{r30000h}$		500	1150	1750	2200	3050	6400	8100
30000h 的轴向力	Axial force for 20000h	$F_{a30000h}$		200	400	650	900	1550	2250	2950
20000h 的侧倾力矩	Tilting moment for 20000h	$M_{k20000h}$	Nm	30	93	173	266	464	1099	1638
30000h 的侧倾力矩	Tilting moment for 30000h	$M_{k30000h}$		26	81	151	232	405	960	1431

5 轴端中心孔

5 Shaft End Centre Hole

轴端C型
螺纹中心孔

Type C screw central hole in shaft end



d	M	L	l2	l1	D1	D2
7＜d≤10	M3	10	2.6	1.8	3.2	5.8
10＜d≤13	M4	10	3.2	2.1	4.3	7.4
13＜d≤16	M5	10	4	2.4	5.3	8.8
16＜d≤21	M6	12	5	2.8	6.4	10.5
21＜d≤24	M8	12	6	3.3	8.4	13.2
24＜d≤30	M10	15	7.5	3.8	10.5	16.3
30＜d≤38	M12	20	9.5	4.4	13	19.8
38＜d≤50	M16	25	12	5.2	17	25.3
50＜d≤85	M20	30	15	6.4	21	31.3
85＜d≤130	M24	35	18	8	25	38

附录1:产品型号表示方法

Appendix 1: Model representation method

PN 2 03 L A - C20 - AS 040A

产品分类代号
PN=通用型

Product classification code
PN=Current type

行星齿轮级数
1=1级
2=2级

Planetary gear series
1=1stage
2=2stage

机座号
01/02…/07

Frame size
01/02…/07

输出法兰代号
L=通用型圆法兰
B=通用型方法兰

Product series code
L=Round flange
B=Square flange

输出轴形式代号
A=光滑实心轴
B=平键实心轴
C=外花键实心轴

Output shaft form code
A=Smooth solid shaft
B=Flat key solid shaft
C=External spline solid shaft

公称速比代号

Nominal speed ratio code

法兰输入

Flange input

法兰规格

Flange code

控制层 CONTROL

驱动层 DRIVE

马达层 MOTOR

齿轮层 GEAR

X7030 X7050
系列控制器
EtherCAT&Modbus

X3050 运动控制器
Motion Controller
EtherCAT&Modbus
24VDC

C/F/K/S-M
*・・・D
马达分布式
变频驱动器
Integrated
Gearmotor
Drive

EtherCAT&
Modbus
380~480VAC
0.25~3kW
i=4~355

AM 变频驱动器
Variable Frequency Drive

Modbus
380~480VAC
0.75~5.5kW

A1 变频驱动器
Variable Frequency Drive

Modbus/CANopen
/PROFINET
380~480VAC
0.75~250kW

C/F/K/S/R
齿轮马达
Gearmotor

380~480VAC
0.09~200kW
i=1.25~500

MP/MU
三相交流异步马达
AsynchronousMotor

380~480VAC
0.09~90kW
960/1450r/min
1160/1750r/min

MX&AX
伺服马达&伺
服驱动器
Permanent
Magnet
Servo Motor
&Servo Drive

EtherCAT/
PROFINET
380~480VAC
0.28~14kW
1500/2000r/min
3000/4500r/min

C/F/K-MX
&AX齿轮伺
服马达&伺
服驱动器
Servo
Gearmotor
&Servo Drive

EtherCAT/
PROFINET
380~480VAC
0.28~14kW
i=1.25~315

PX-MX&AX
行星伺服马达
&伺服驱动器
Planetary
Precision Gear
Servo Motor
&Servo Drive

EtherCAT/
PROFINET
380~480VAC
0.38~14kW
i=3~100

PN-MN&AN
行星伺服马达
&伺服驱动器
Planetary
Precision Gear
Servo Motor
&Servo Drive

EtherCAT
PROFINET
380~480VAC
0.28~5.03kW
i=3~100

ME&AN
永磁同步伺服马
达&伺服驱动器
Permanent
Magnet
Servo Motor
&Servo Drive

EtherCAT/
PROFINET
200~240VAC
0.1kW~7.5kW

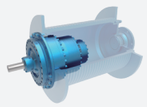
HB/BE/HK
齿轮箱
Gearbox

4.2~15775kW
i=5.6~450

P/PK
行星齿轮箱
Planetary
Gearbox

0.4~14000kW
i=25~4000

PW
卷扬齿轮箱
Planetary
Winch
Gearbox



1~1810kW
i=13~940

PS
回转齿轮箱
Planetary
Slewing
Gearbox

1~1626kW
i=14~947

J/JB
升降机
Jack

0.35~22.63kW
i=5~34

T
转向箱
Spiral Bevel
Gearbox

0.08~303kW
i=1:1~3:1

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TEL: 1-216-618-0496
TEL: 1-216-618-3099

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