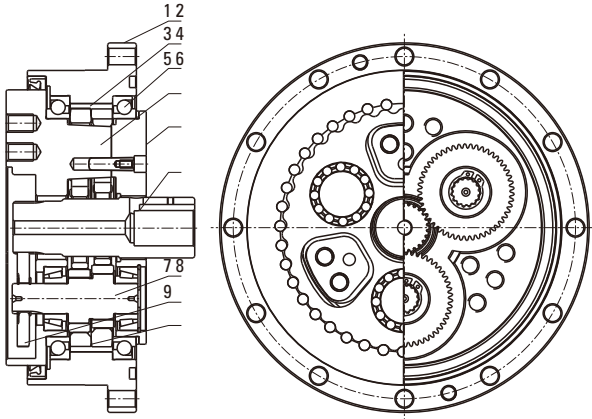


Reducer structure

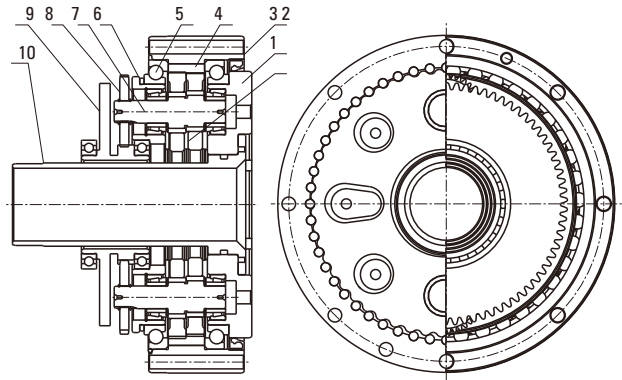
E series reducer structure

- 1- Needle tooth shell
- 3- Main bearing
- 5- Supporting flange
- 7- Crankshaft
- 9- Cycloidal gear
- 2- Pin gear
- 4- Output flange
- 6- Input shaft
- 8- Planetary gear



C series reducer structure

- 1- Cycloidal gear
- 3- Needle tooth shell
- 5- Main bearing
- 7- Crankshaft
- 9- Central gear
- 2- Output flange
- 4- Pin gear
- 6- Supporting flange
- 8- Planetary gear
- 10- Low speed tube



Code

Reducer Code

E Series			C Series		
Code	Outline dimension (mm)	General model	Code	Outline dimension (mm)	The original code
120	Φ122	6E	10C	Φ145	150
150	Φ145	20E	27C	Φ181	180
190	Φ190	40E	50C	Φ222	220
220	Φ222	80E	100C	Φ250	250
250	Φ244	110E	200C	Φ345	350
280	Φ280	160E	320C	Φ440	440
320	Φ325	320E	500C	Φ520	520
370	Φ370	450E	/	/	/

Reduction Ratio

E Series		C Series	
Code	Reduction ratio (output flange output)	Code	Monomer reduction ratio
120	31, 43, 53.5, 59, 79, 103	10CBX	27.00
150	41, 57, 81, 105, 121, 141, 161	27CBX	36.57
190	41, 57, 81, 105, 121, 153	50CBX	32.54
220	57, 81, 101, 121, 153	100CBX	36.75
250	81, 111, 161, 175.28	200CBX	34.86
280	81, 101, 129, 145, 171	320CBX	35.61
320	81, 101, 118.5, 129, 141, 171, 185	500CBX	37.34
370	81, 101, 118.5, 129, 154.8, 171, 192.4	/	/

Note 1: E series, such as by the shell (pin shell) output, the corresponding reduction ratio by 1.

Note 2: C series gear ratio refers to the motor installed in the casing of the reduction ratio, if installed on the output flange side, the corresponding reduction ratio by 1.

■E系列输出转矩及效率 E series output torque and efficiency

输出转速项目 Output Speed Project 型号 Model	5 r/min		15 r/min			25 r/min		30 r/min		容许最高输出转速 Maximum Allowable Loss Out Speed r/min
	输出转矩 Output Torque	输入功率 Input Power	输出转矩 Output Torque	输入功率 Input Power	效率 Efficiency	输出转矩 Output Torque	输入功率 Input Power	输出转矩 Output Torque	输入功率 Input Power	
	N.m	Kw	N.m	Kw	%	N.m	Kw	N.m	Kw	
120BX	115	0.075	58.8	0.115	80	62	0.2	64	0.25	100
150BX	245	0.16	196	0.385	80	153	0.5	153	0.6	75
35BX	329	0.23	254	0.5	80	203	0.71	192	0.8	75
190BX	612	0.4	392	0.77	80	367	1.2	382	1.5	70
65BX	745	0.52	575	1.13	80	460	1.61	435	1.81	70
220BX	1146	0.75	784	1.54	80	673	2.2	637	2.5	70
250BX	1528	1.0	1078	2.12	80	978	3.2	892	3.5	50
280BX	2292	1.5	1568	3.1	80	1437	4.7	1274	5.0	45
320BX	4584	3.0	3136	6.2	80	2903	9.5	2802	11.0	35
370BX	6112	4.0	4410	8.66	80	/	/	/	/	25

注1: 额定转矩是指输出转速为15 r/min时的输出转矩。输入功率考虑了减速器的效率。

Note 1: The rated torque is the output torque of the output speed of 15 r/min. The input power considers the efficiency of the reducer.

注2: 转矩计算公式 Note 2: Torque calculation formula:

$T=9549PX\eta/N$ (T: 转矩Nm, P: 功率Kw, N: 转速r/min, η : 效率%)。 $T=9549PX\eta/N$ (T: Torque Nm, P: Power Kw, N: Speed r/min, η : Efficiency %).

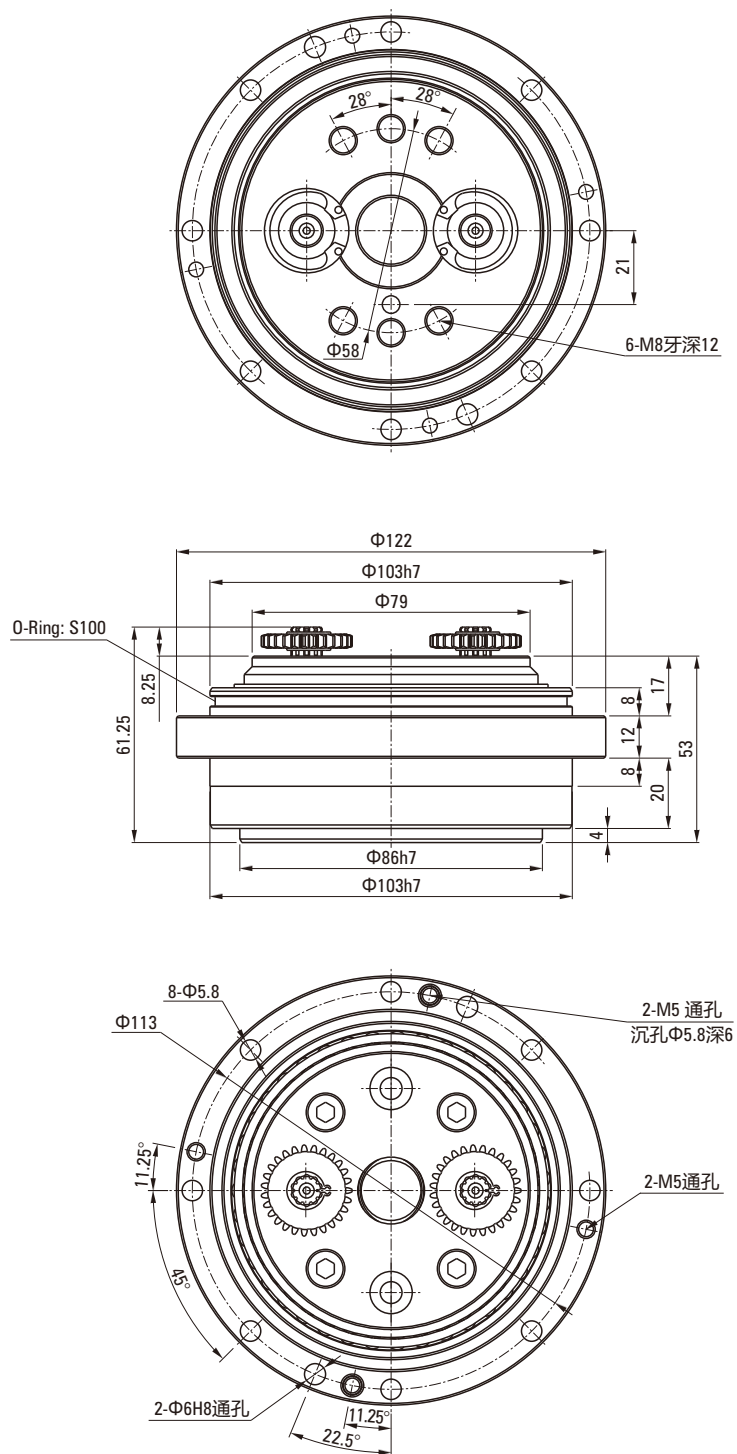
■E系列技术参数 E series of technical parameters

项目 Project 型号 Model	速比值 Ratio Value		容许力矩 Allowable Moment N.m	扭转刚度 Torsional Rigidity N.m/(Arc.min)	启动停止许 用输出转矩 Stat And Stop Allowing Output Torque (N.m)	瞬时容许最大转矩 Instantaneous Maximum Torque N.m	传动精度 Transmission Accuracy Arc.min	齿隙回差 Backlash Of Backlash Arc.min	寿命 Life h	惯性力矩 (I=GD ² /4) Moment of inertia 输入轴换算值 Input axis conversion value (kg-m ²)	重量 Weight kg
	轴输出 Axis Output	壳输出 Shell Output									
120BX	53.50	52.50	196	20	117	294	1.5	1.5	6000	1.53X10 ⁻⁵	2.50
	59.00	58.00								1.39X10 ⁻⁵	
	79.00	78.00								1.09X10 ⁻⁵	
	103.0	102.0								0.74X10 ⁻⁵	
150BX	81.00	80.00	880	49	412	820	1.0	1.0	6000	6.07X10 ⁻⁵	4.70
	105.0	104.0								4.32X10 ⁻⁵	
	121.0	120.0								3.56X10 ⁻⁵	
	141.0	140.0								2.88X10 ⁻⁵	
35BX	161.0	160.0	1103	73	530	1190	1.0	1.0	6000	2.39X10 ⁻⁵	4.6
	81.00	80.00								6.07X10 ⁻⁵	
	105.0	104.0								4.32X10 ⁻⁵	
	121.0	120.0								3.56X10 ⁻⁵	
190BX	141.0	140.0	1600	108	1029	2000	1.0	1.0	6000	2.88X10 ⁻⁵	9.30
	161.0	160.0								2.39X10 ⁻⁵	
	81.00	80.00								2.20X10 ⁻⁵	
	105.0	104.0								1.63X10 ⁻⁵	
65BX	121.0	120.0	1916	162	1380	2690	1.0	1.0	6000	1.37X10 ⁻⁵	9.50
	153.0	152.0								1.01X10 ⁻⁵	
	81.00	80.00								2.20X10 ⁻⁵	
	105.0	104.0								1.63X10 ⁻⁵	
220BX	121.0	120.0	2000	196	1960	3600	1.0	1.0	6000	1.37X10 ⁻⁵	13.1
	153.0	152.0								4.82X10 ⁻⁵	
	81.00	80.00								3.96X10 ⁻⁵	
	101.0	100.0								2.98X10 ⁻⁵	
250BX	161.0	160.0	2900	294	2695	5380	1.0	1.0	6000	9.88X10 ⁻⁵	17.4
	175.28	174.28								6.96X10 ⁻⁵	
	81.00	80.00								4.36X10 ⁻⁵	
	101.0	100.0								3.89X10 ⁻⁵	
280BX	118.5	117.5	3900	392	3920	7800	1.0	1.0	6000	1.77X10 ⁻⁴	26.4
	129.0	128.0								1.40X10 ⁻⁴	
	145.0	144.0								1.06X10 ⁻⁴	
	171.0	170.0								0.87X10 ⁻⁴	
320BX	81.00	80.00	7000	980	7840	15600	1.0	1.0	6000	0.74X10 ⁻⁴	44.3
	101.0	100.0								4.83X10 ⁻⁴	
	118.5	117.5								3.79X10 ⁻⁴	
	129.0	128.0								3.15X10 ⁻⁴	
370BX	141.0	140.0	8820	1176	11025	22000	1.0	1.0	6000	2.84X10 ⁻⁴	66.4
	171.0	170.0								2.54X10 ⁻⁴	
	185.0	184.0								1.97X10 ⁻⁴	
	81.00	80.00								1.77X10 ⁻⁴	
370BX	101.0	100.0	8820	1176	11025	22000	1.0	1.0	6000	8.75X10 ⁻⁴	66.4
	118.5	117.5								6.91X10 ⁻⁴	
	129.0	128.0								5.75X10 ⁻⁴	
	154.8	153.8								5.20X10 ⁻⁴	
370BX	171.0	170.0	8820	1176	11025	22000	1.0	1.0	6000	4.12X10 ⁻⁴	66.4
	192.4	191.4								3.61X10 ⁻⁴	
370BX	81.00	80.00	8820	1176	11025	22000	1.0	1.0	6000	3.07X10 ⁻⁴	66.4
	101.0	100.0								3.07X10 ⁻⁴	

RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

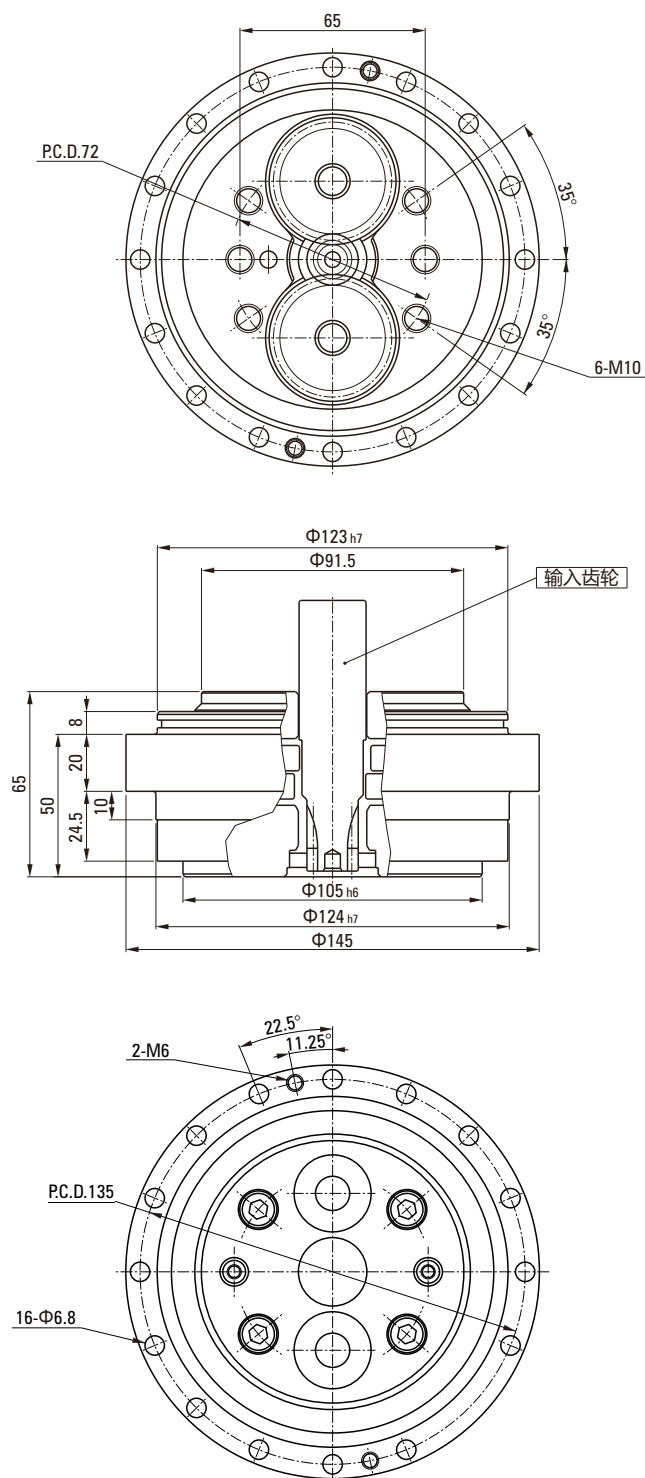
■ 120BX-RVE 外形图 120BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

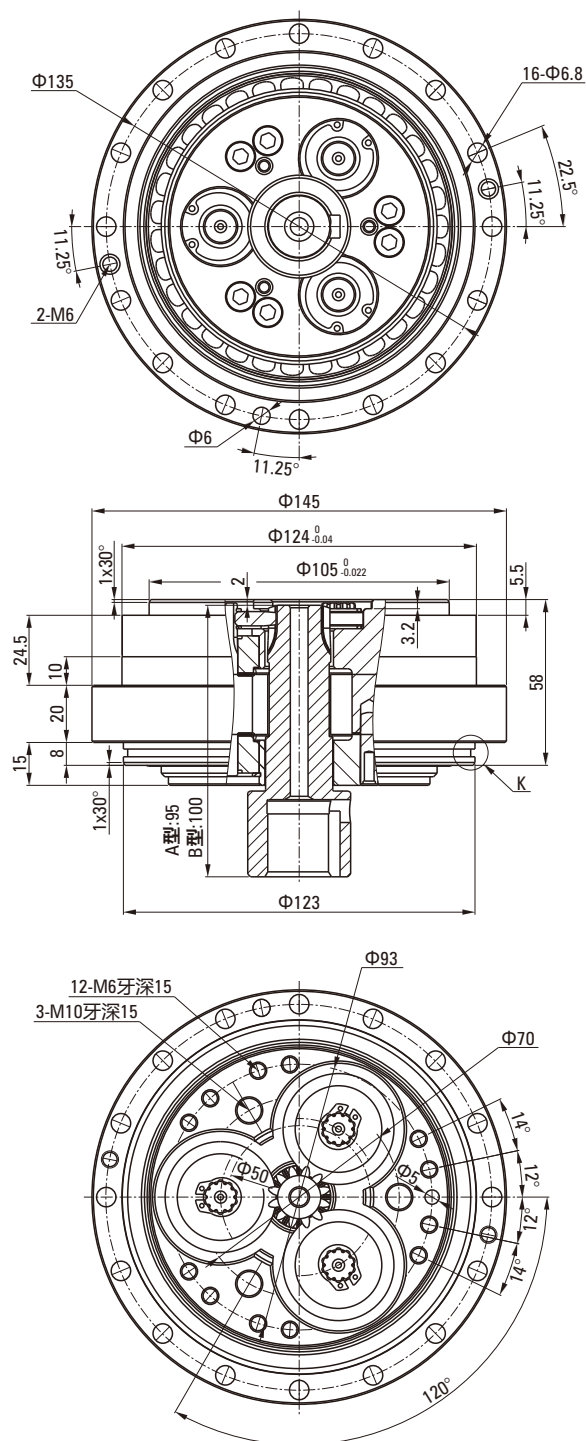
150BX-RVE 外形图 150BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

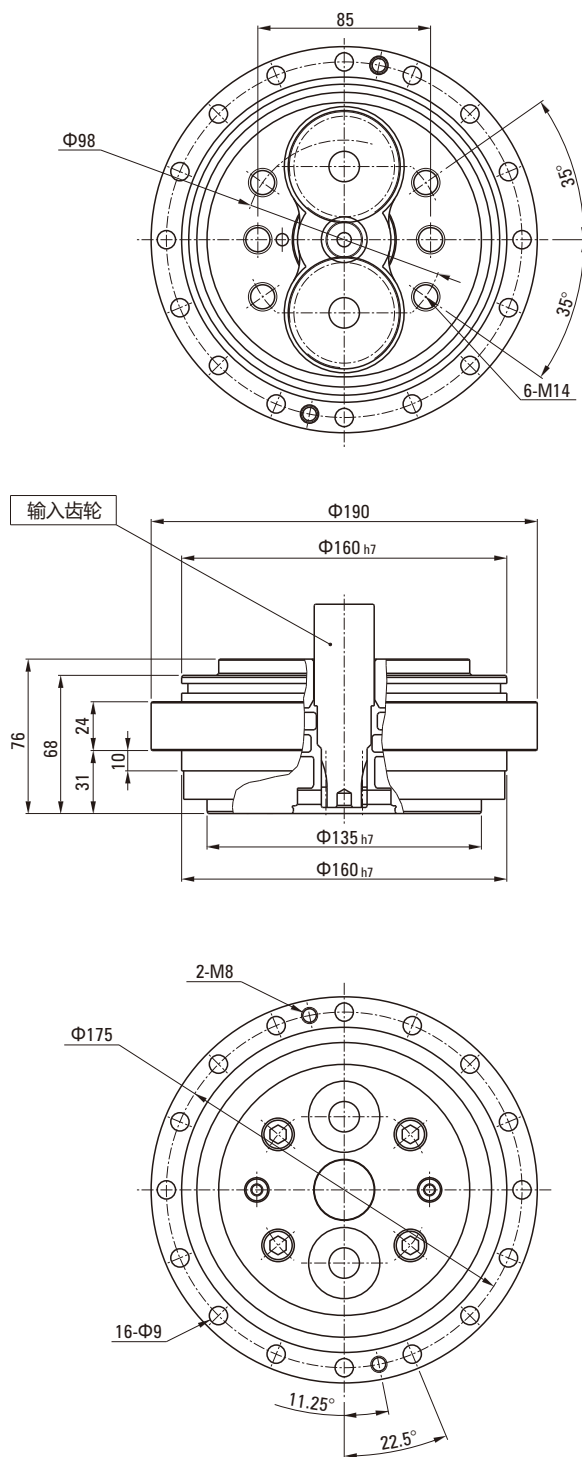
■ 35BX-RVE 外形图 35BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

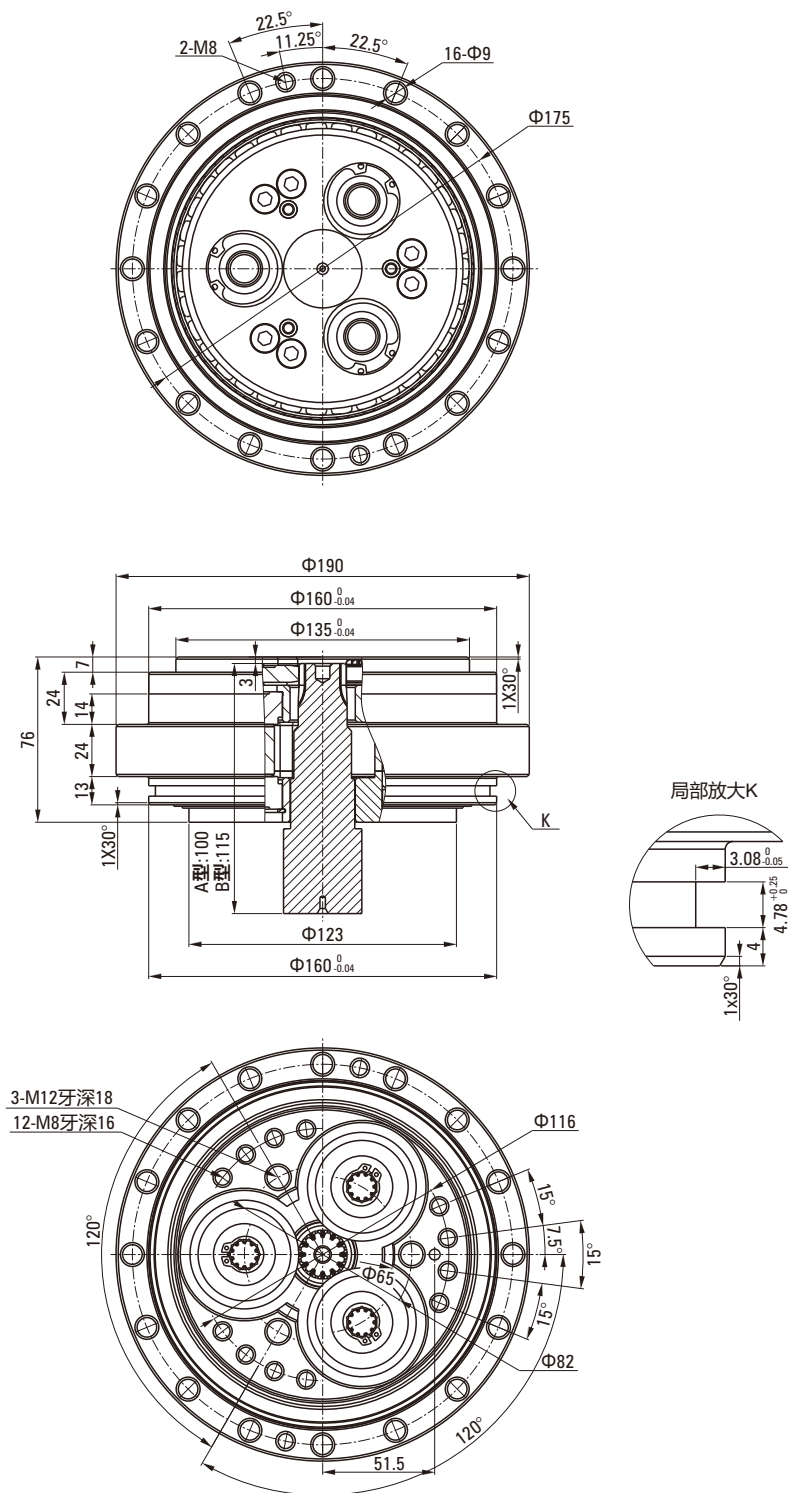
190BX-RVE 外形图 190BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

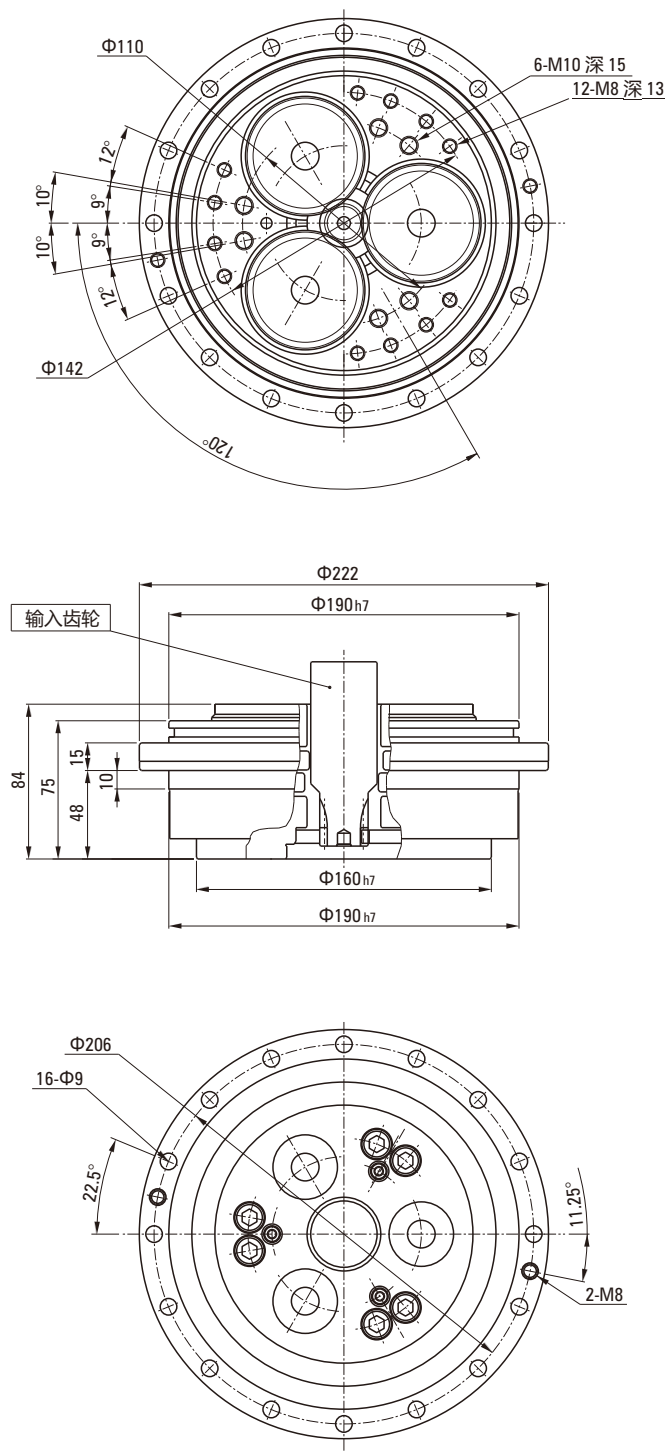
■ 65BX-RVE 外形图 65BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

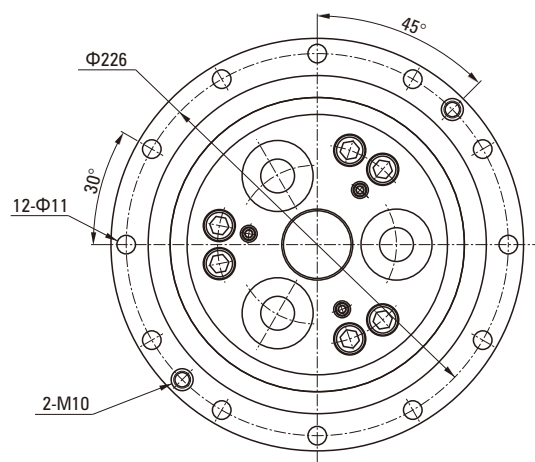
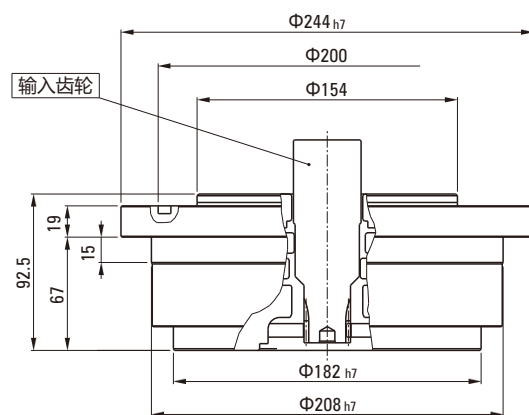
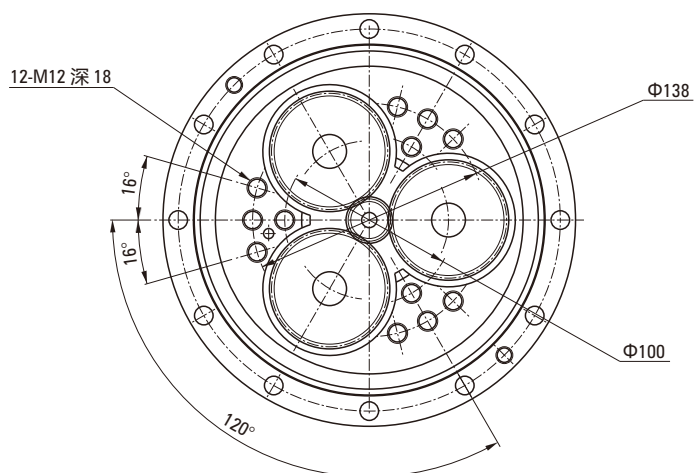
■220BX-RVE 外形图 220BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

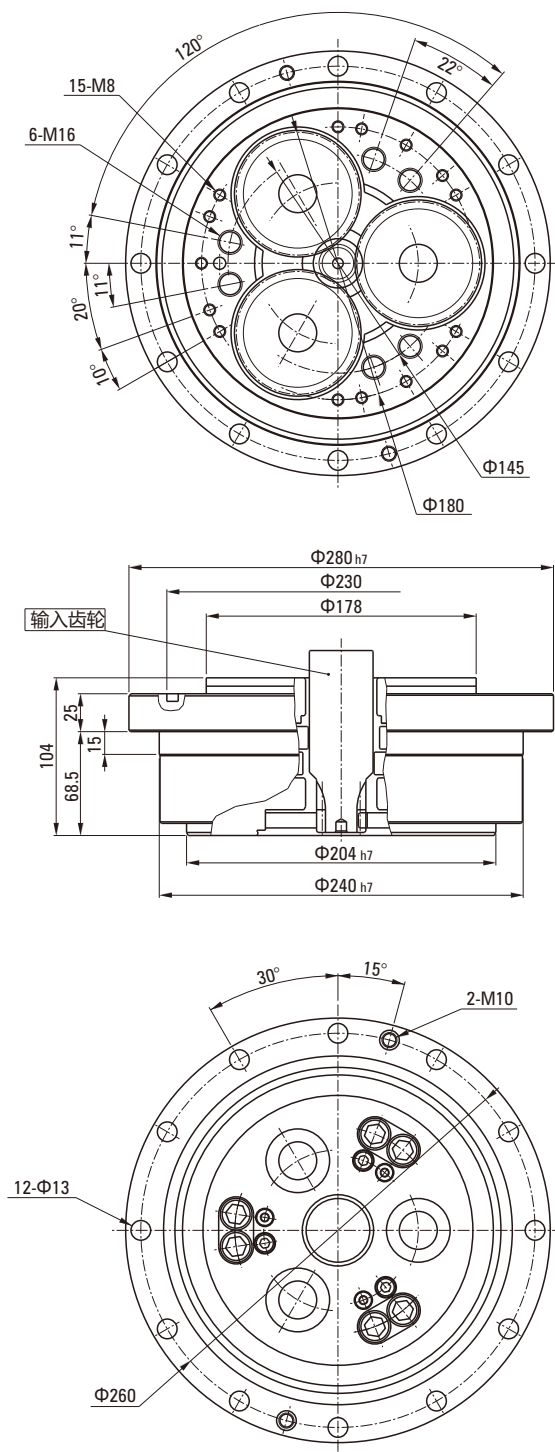
■ 250BX-RVE 外形图 250BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

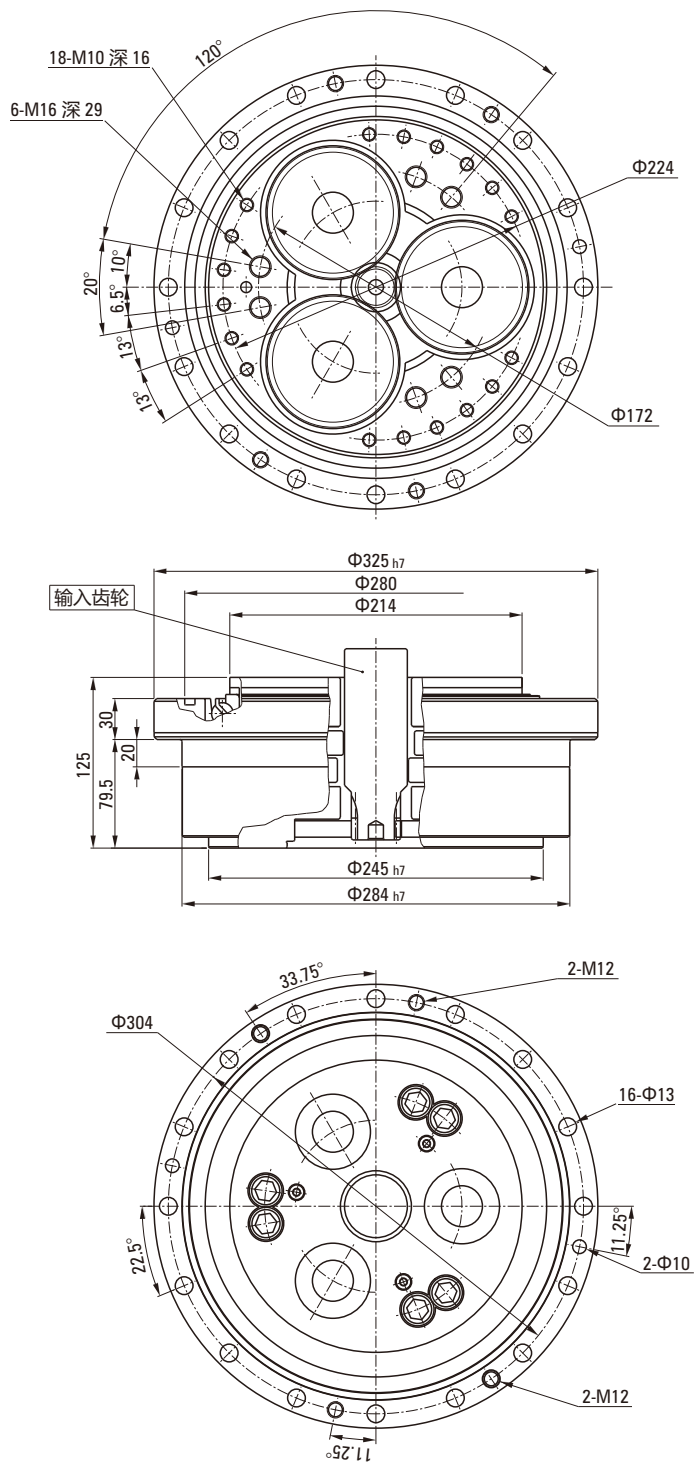
280BX-RVE 外形图 280BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

■ 320BX-RVE 外形图 320BX-RVE Outline Drawing



RVE系列外形尺寸图

RVE SERIES OUTLINE DIMENSION DRAWING

■ 370BX-RVE 外形图 370BX-RVE Outline Drawing

