量身定制

G系列伞齿轮丝杆升降机

量身定制

图1


1A


1B


2A

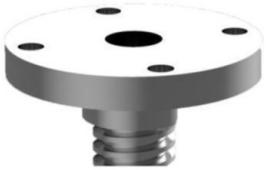

2C


2B


2D

图2

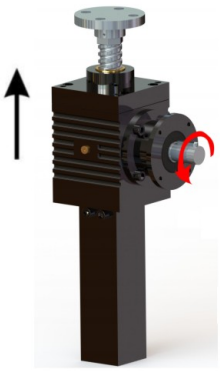

光柱型


法兰型

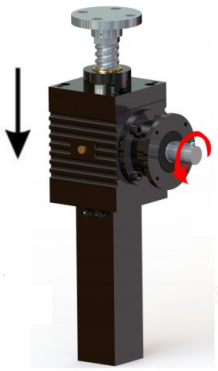

螺纹型


扁口型

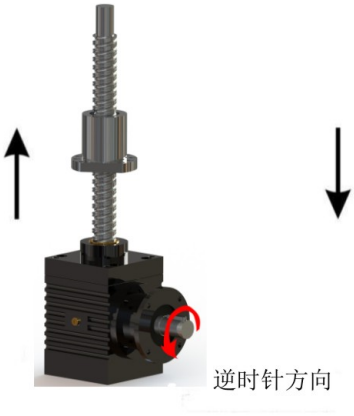
图3


逆时针方向

U


逆时针方向

D


逆时针方向

U


逆时针方向

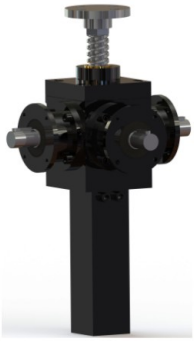
D

图4


1L


2L


2L-1


3L


4L

应用示例

两台联动

2I

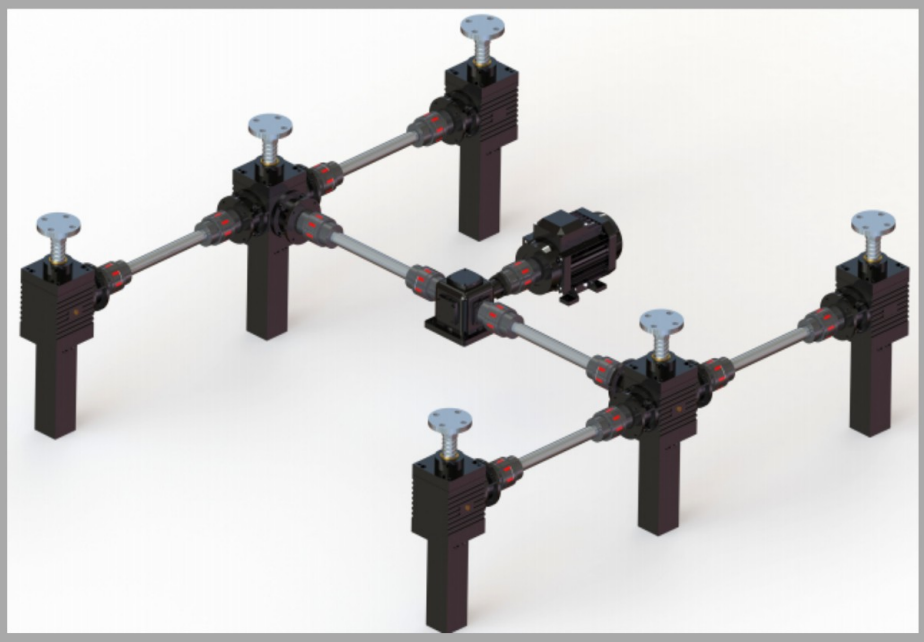
2U

四台联动

4U

应用示例

六台联动



6H

八台联动

8H

G系列螺旋伞齿轮丝杆升降机

1. 概述

箱体形状为正六面体，能适应不同方位的安装。广泛用于机械、冶金、自动化、流水线等节能高效工业领域。可用负载范围（15 kN-150 kN）。共有七种规格，速比2:1和3:1。最高输入转数1500r/min。

丝杠分为梯形丝杠和滚珠丝杠。内部伞齿采用优质低碳合金结构钢，经渗碳淬火热处理，并经研磨跑合，实现精度较高的硬齿面闭式传动。所以能提供更快的举升速度、可持续的工作制，大大提高了的工作效率。根据工况要求，它们最多可配备四个驱动轴，因此，使用多个高速伞齿轮丝杆升降机联动举升时可不需要额
外的转向箱。

2. 形式

2.1 结构型式

1型—丝杆同时作旋转运动和轴向运动
2型—丝杆做旋转运动，丝杆上的螺母做轴向运动

2.2 装配型式

A型—丝杆（或螺母）向上移动
B型—丝杆（或螺母）向下移动

2.3 丝杆头部型式

1型结构形式丝杠头部分为Ⅰ型（圆柱）Ⅱ（法兰）Ⅲ（螺纹）Ⅳ（销孔）
2型结构形式丝杠头部分为Ⅰ型（圆柱）和Ⅲ（螺纹）

2.4 规格

按提升力分为：G15、25、50、70、90、120、150八种

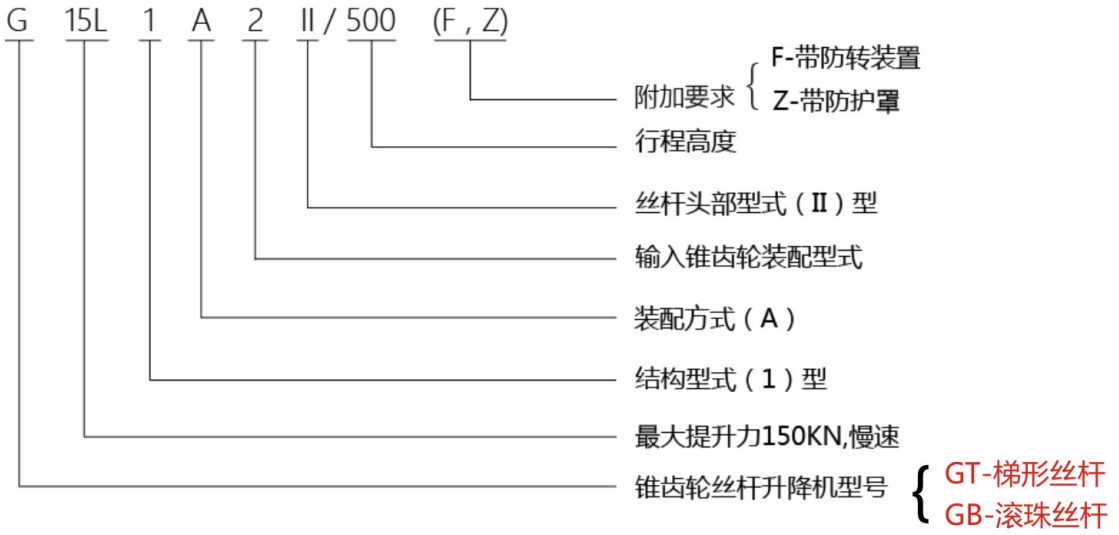
2.5 传动比

锥齿轮升降机速比为 2:1

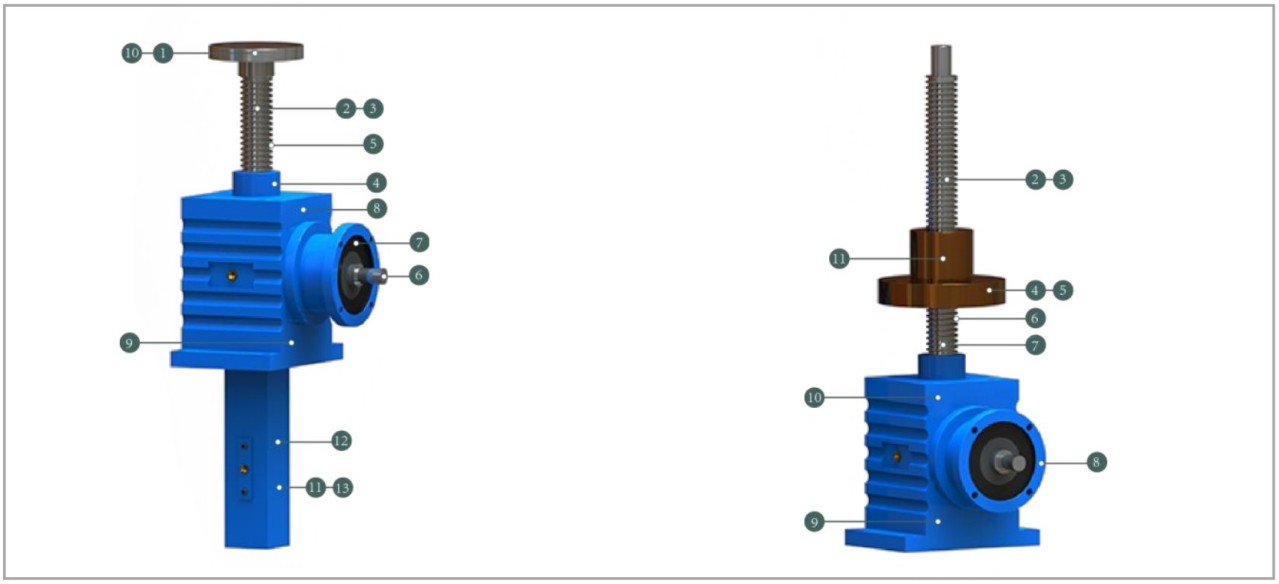
2.6 丝杠的防护

1型升降机丝杠的防护分为：基本型、防旋转型（F）和带防护罩型（Z）
2型升降机丝杠的防护分为：基本型和带防护罩型（Z）

2.7 标记示例



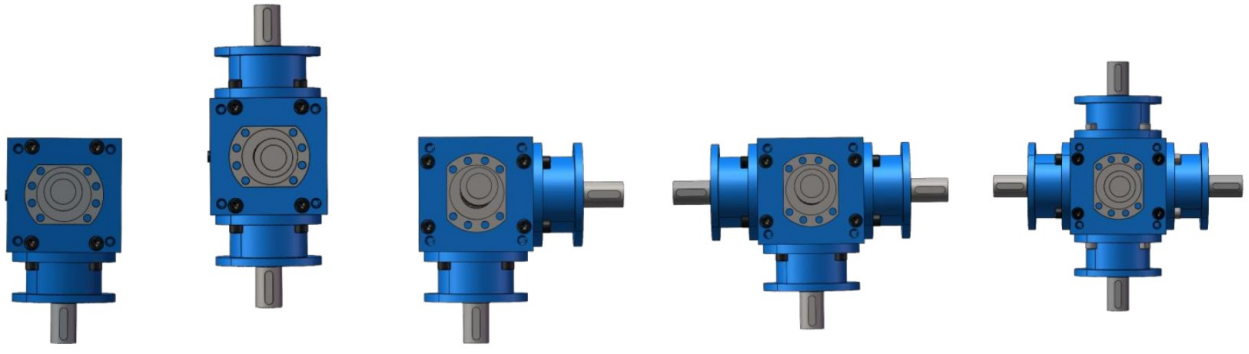
3. 结构配置



1 型结构 丝杆做轴向运动

2 型结构 螺母做轴向运动

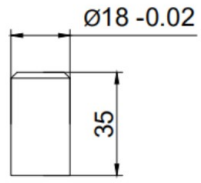
4.输入锥齿轮安装型式（5 种）



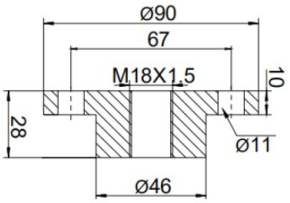
1L 2L-I 2L 3L 4L

5. 外形尺寸图表

GT15梯形丝杆



头部形式 I



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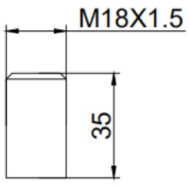
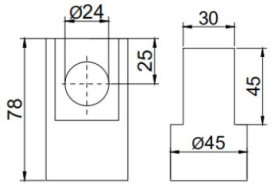
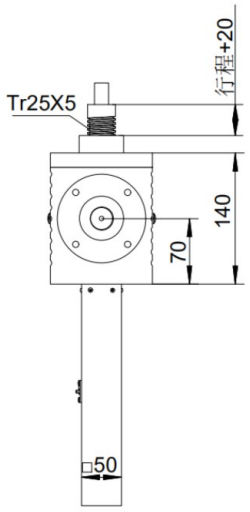
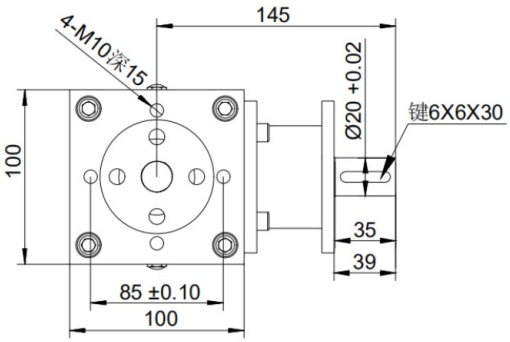


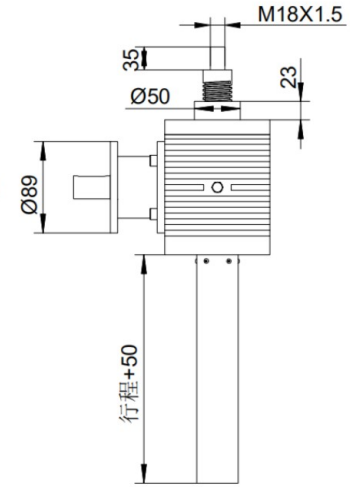
头部形式 III

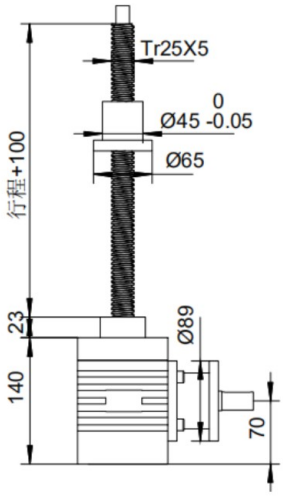


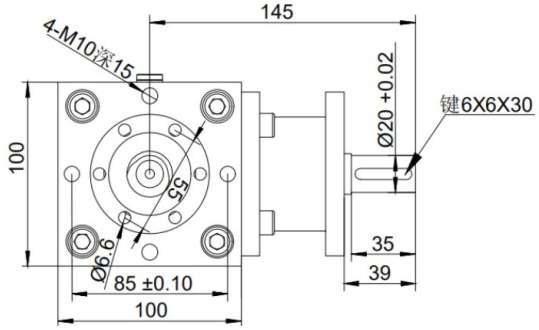
头部形式 IV

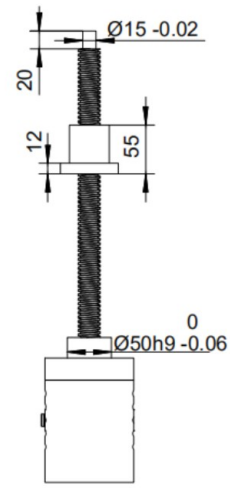




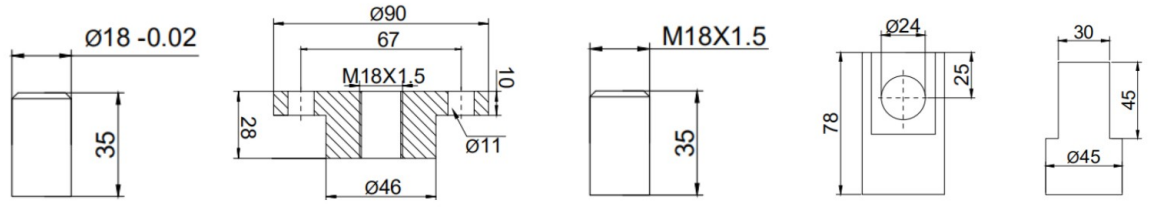




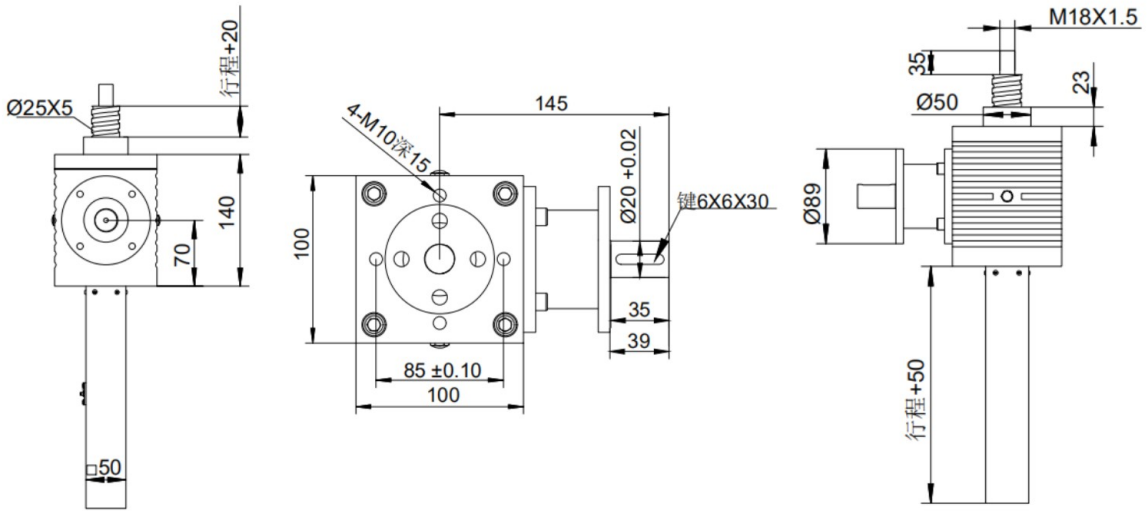


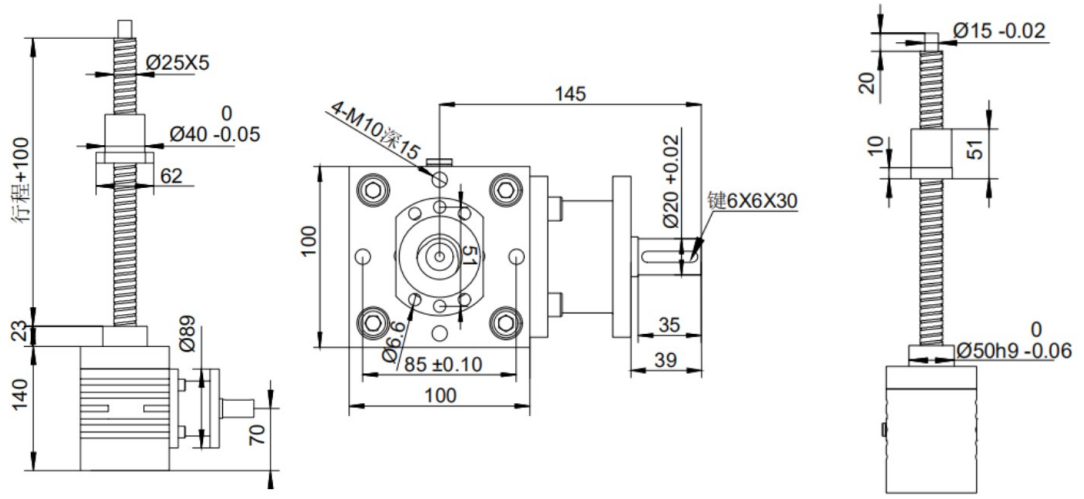


GB15 滚珠丝杆 25×5



头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV





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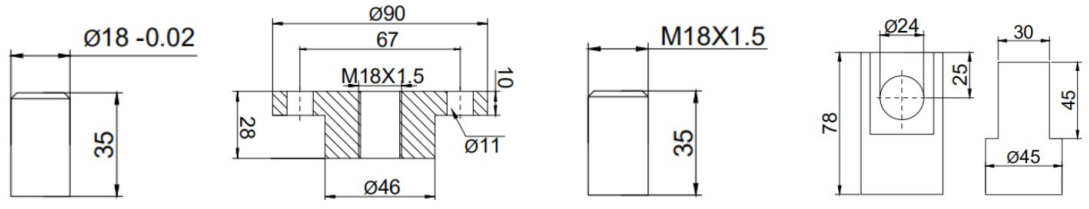
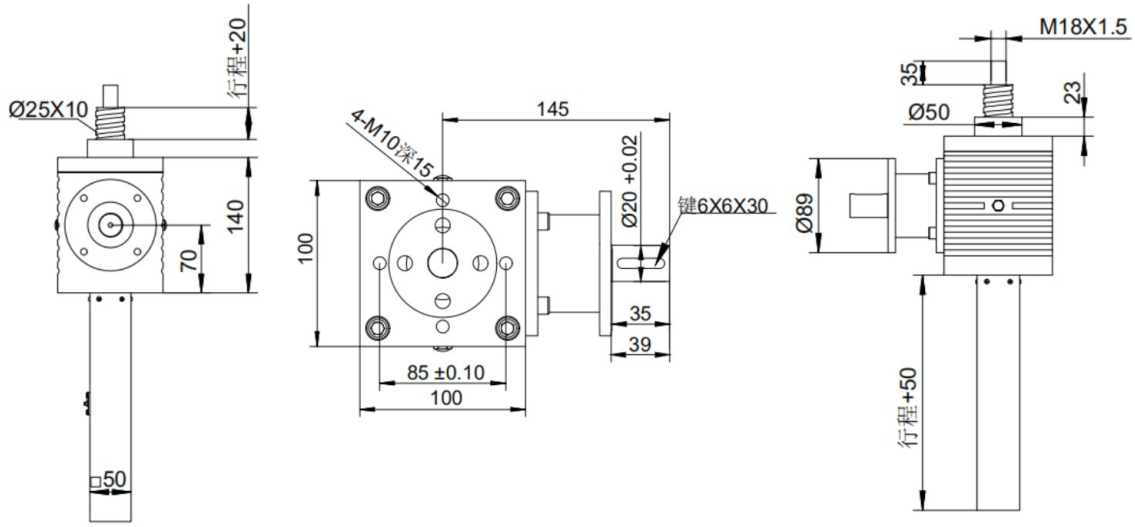
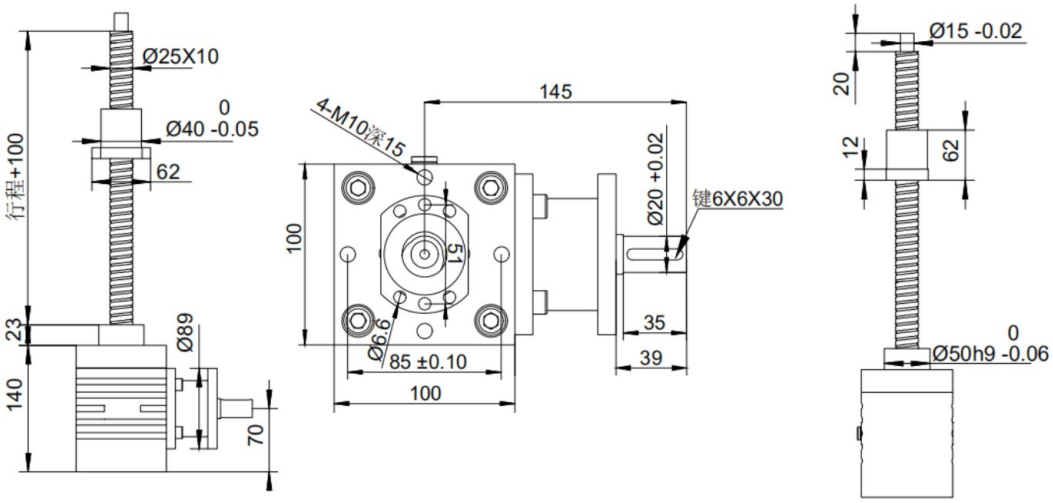
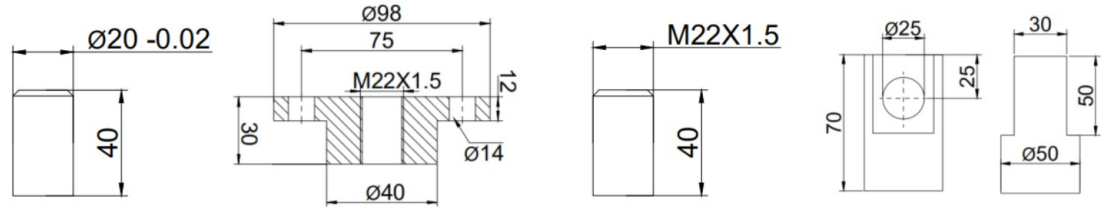


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

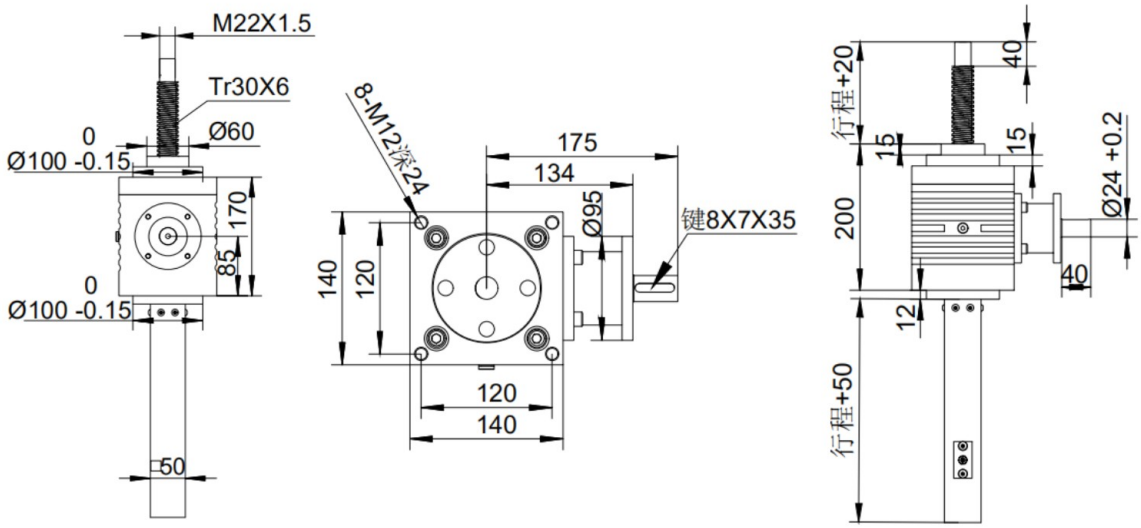


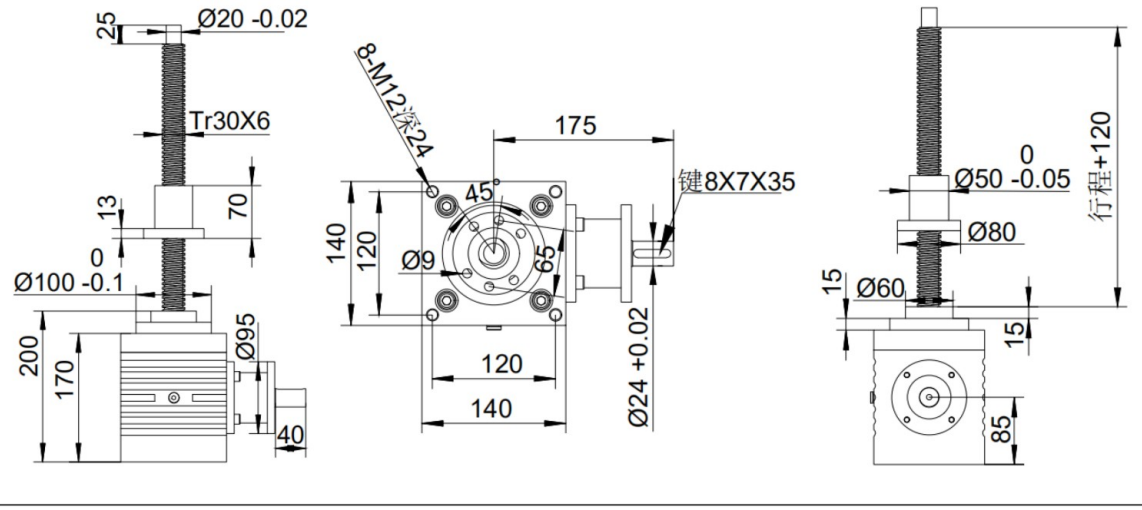


GT25 梯形丝杆

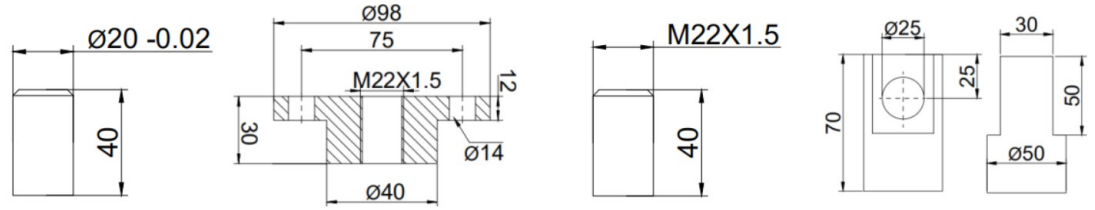


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

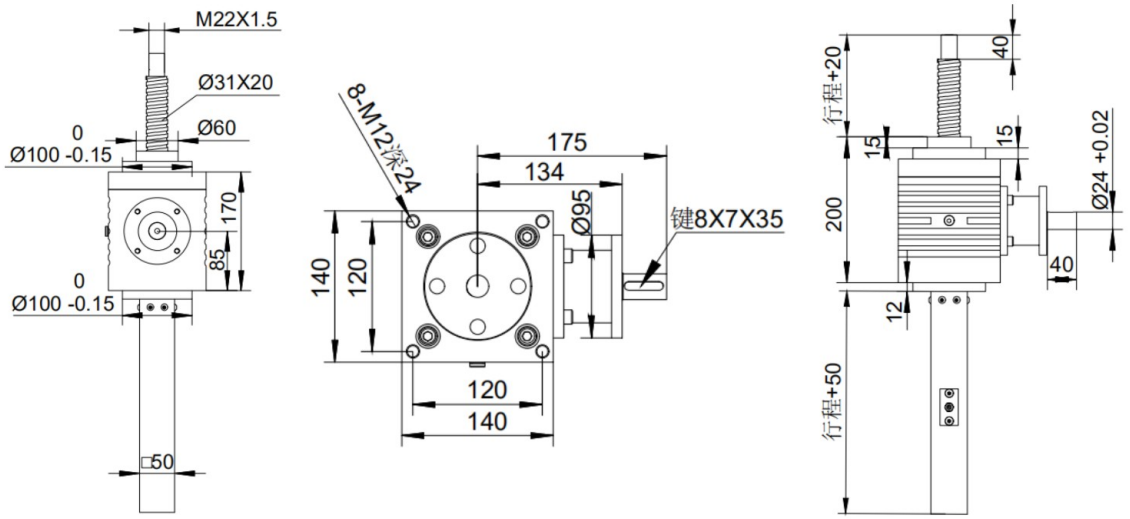


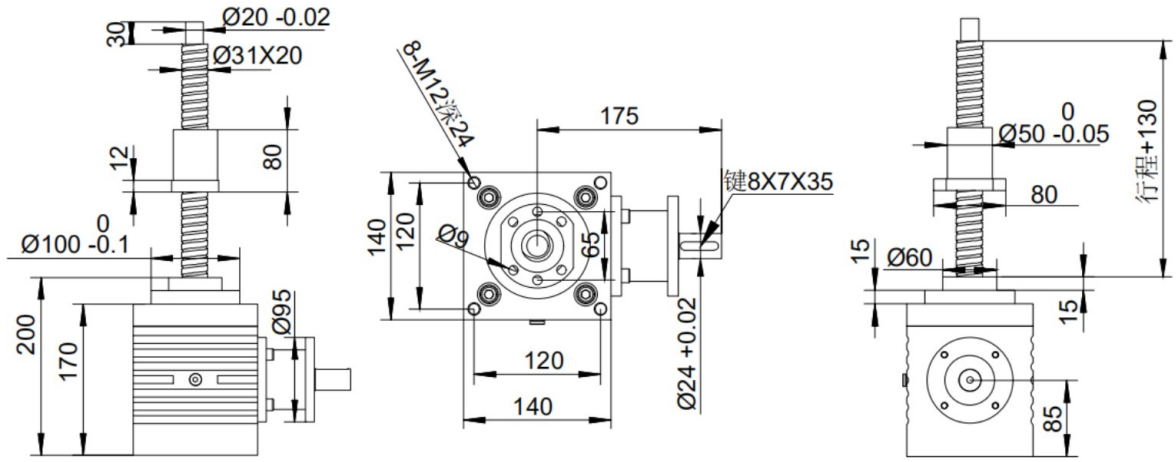


GB25 滚珠丝杆 31×20

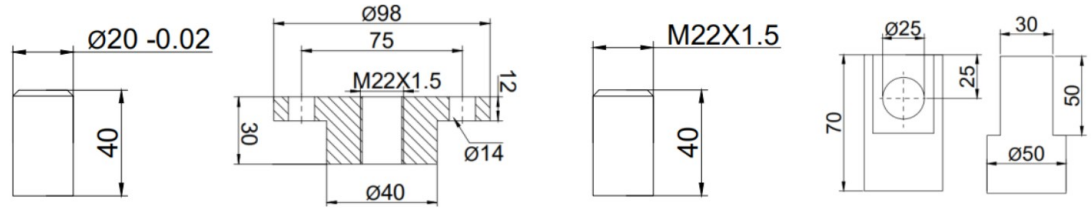


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

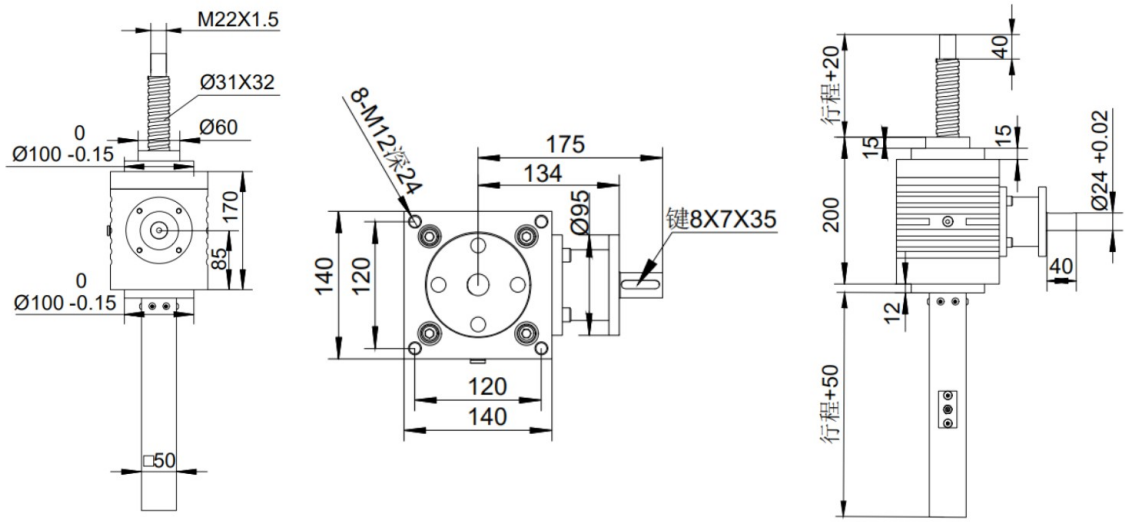


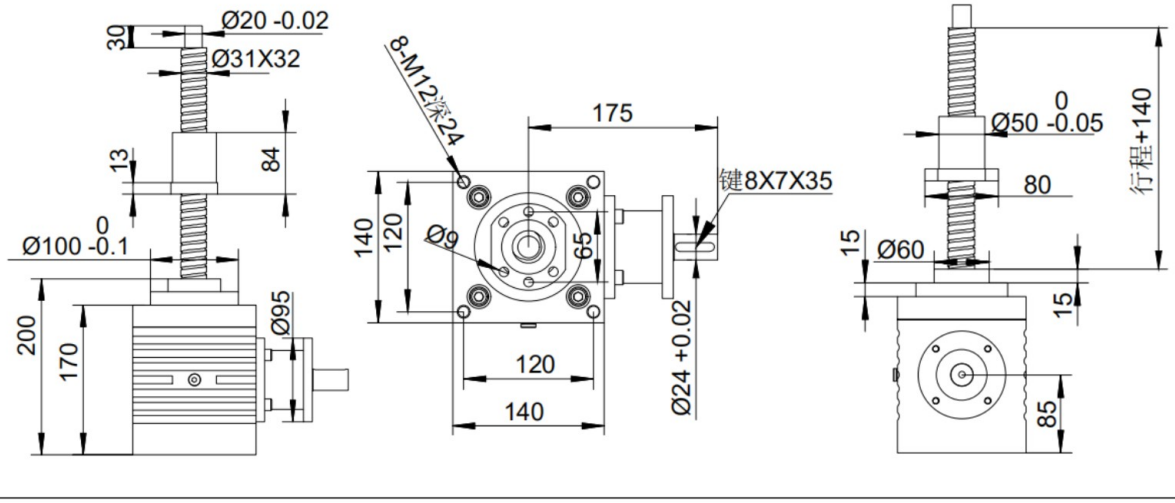


GB25 滚珠丝杆 31×32

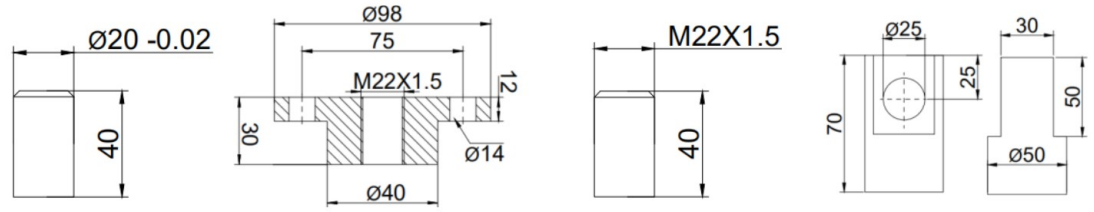


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

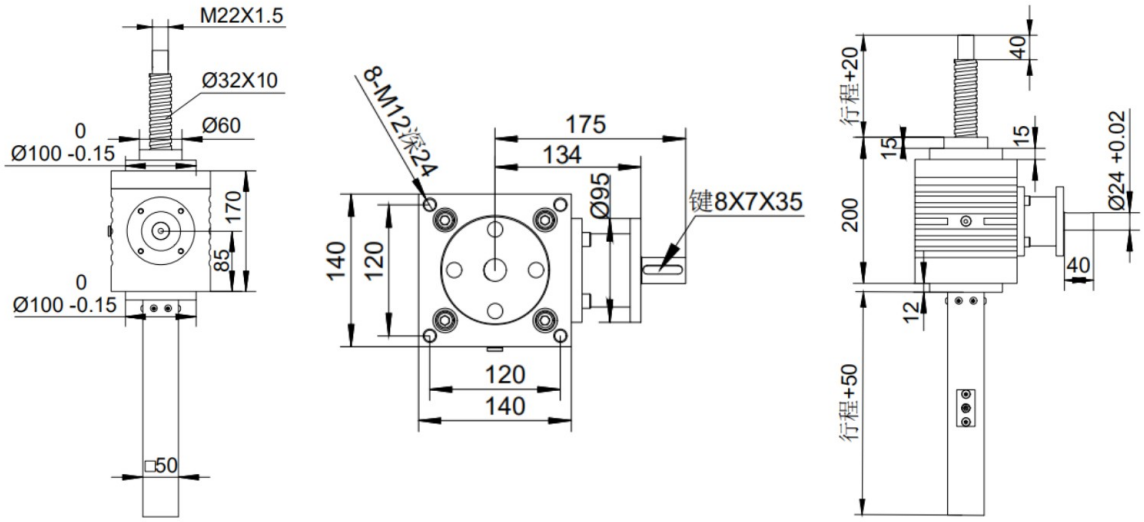


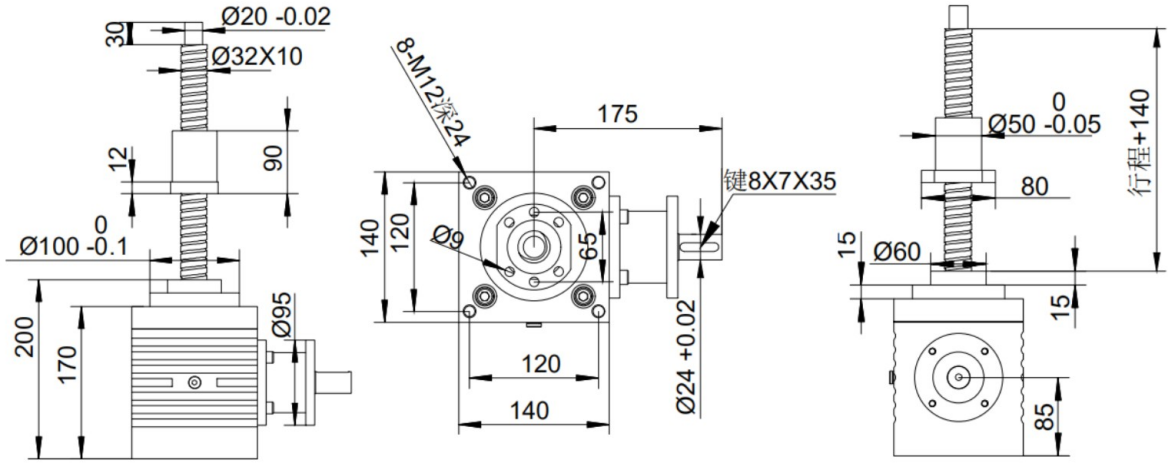


GB25 滚珠丝杆 32×10

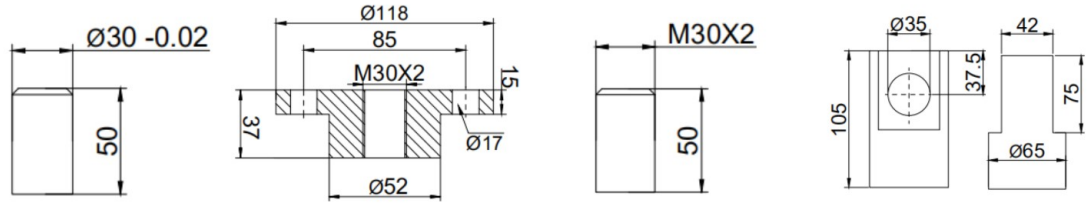


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

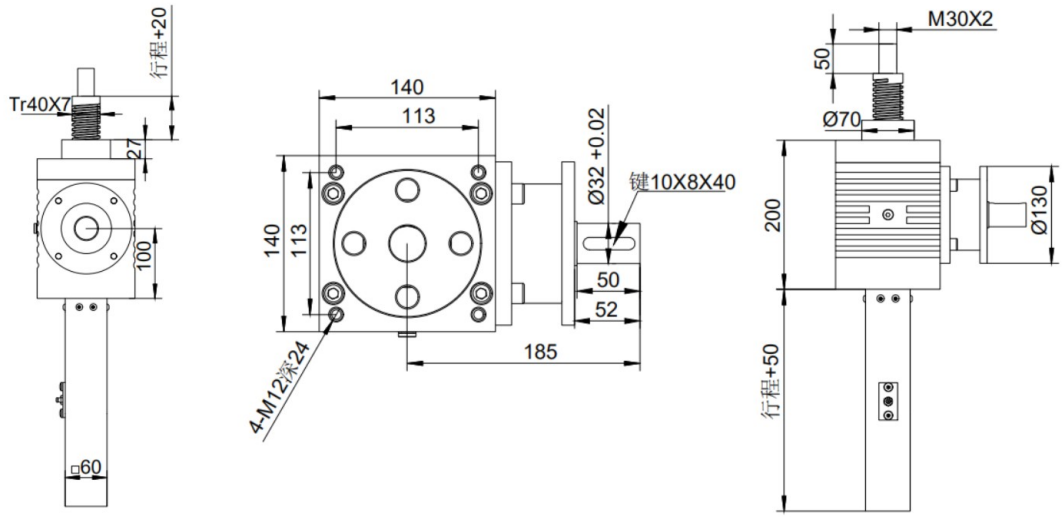


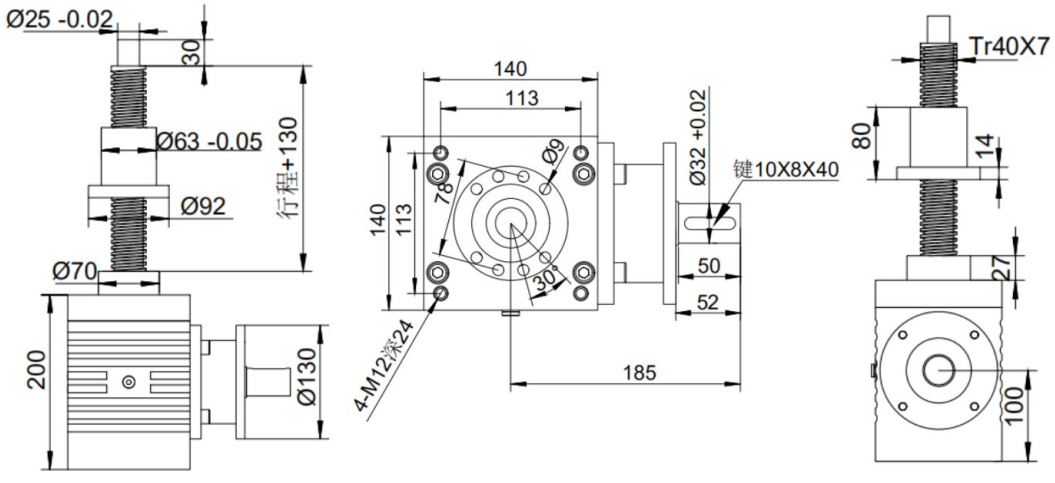


GT50 梯形丝杆

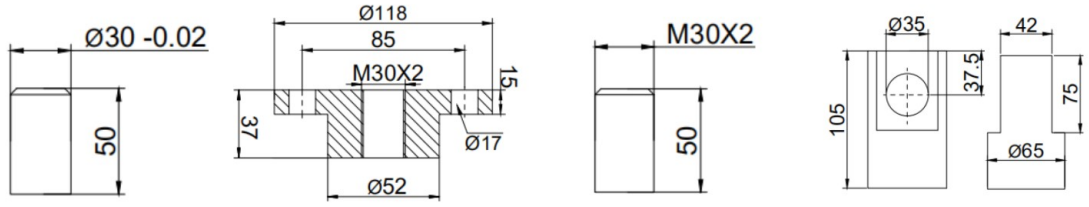


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

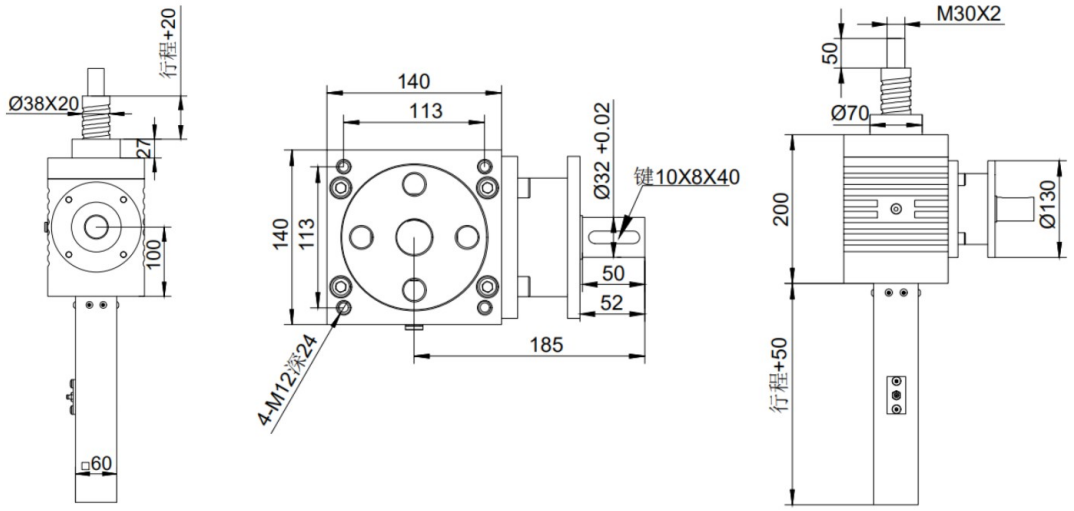


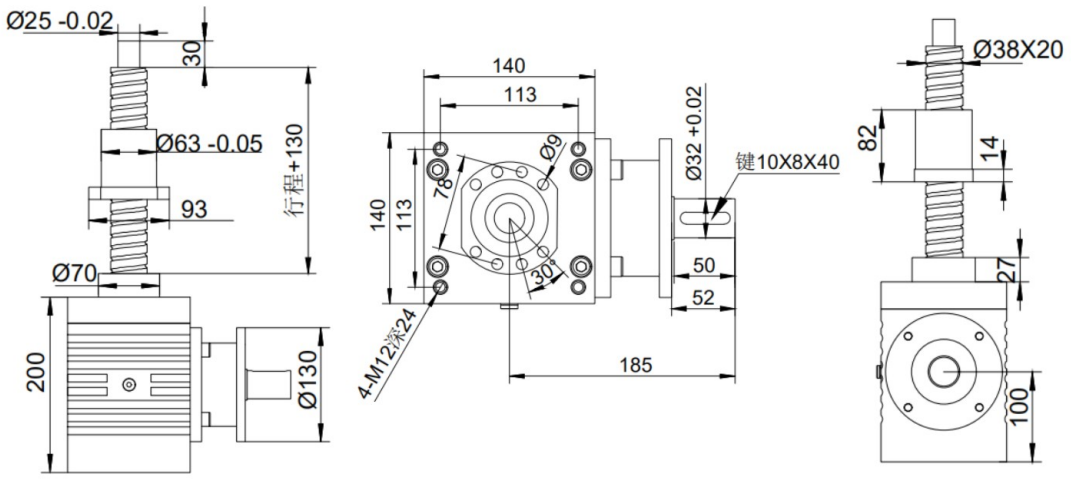


GB50 滚珠丝杆 38×20

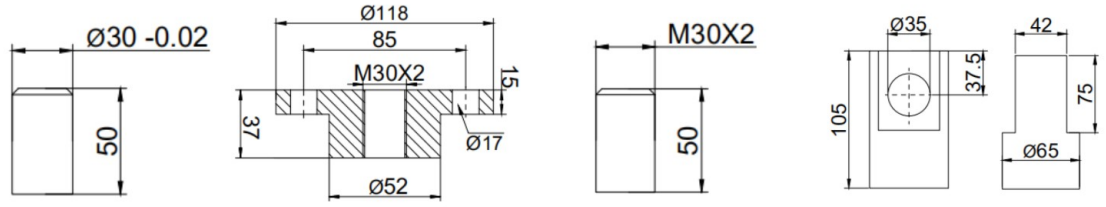


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

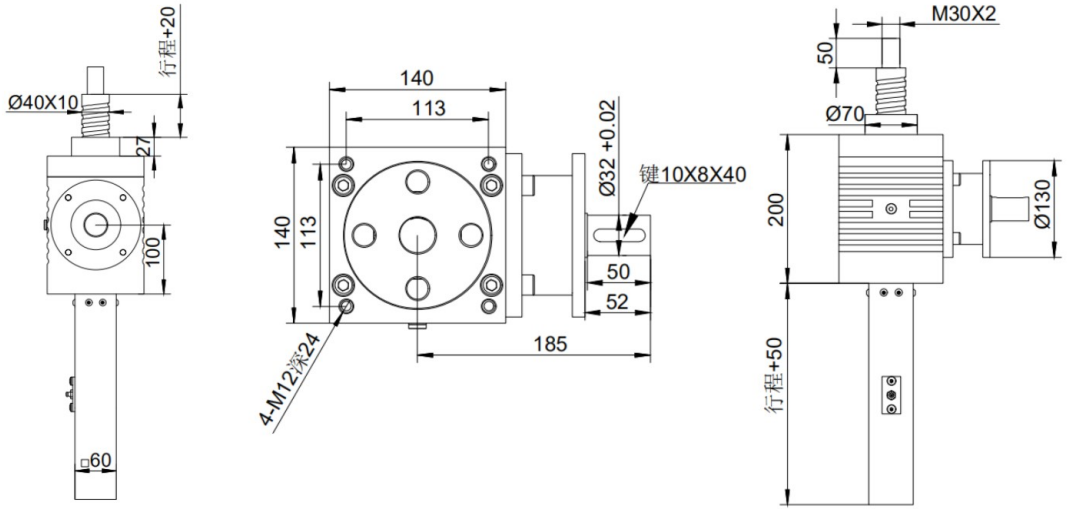


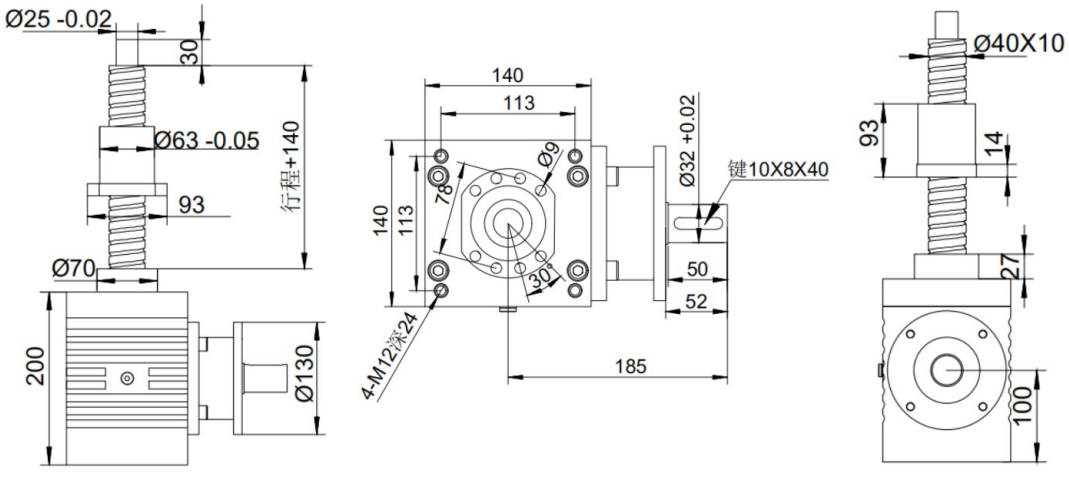


GB50 滚珠丝杆 40×10

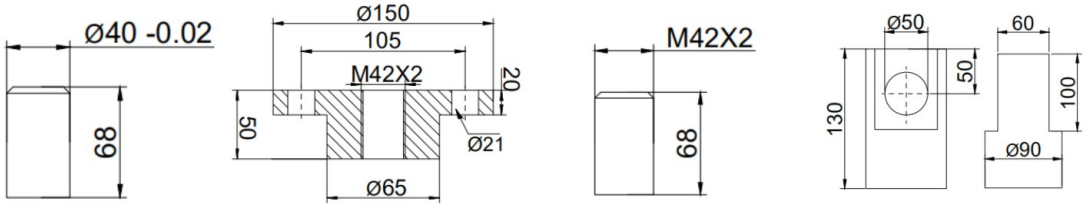


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

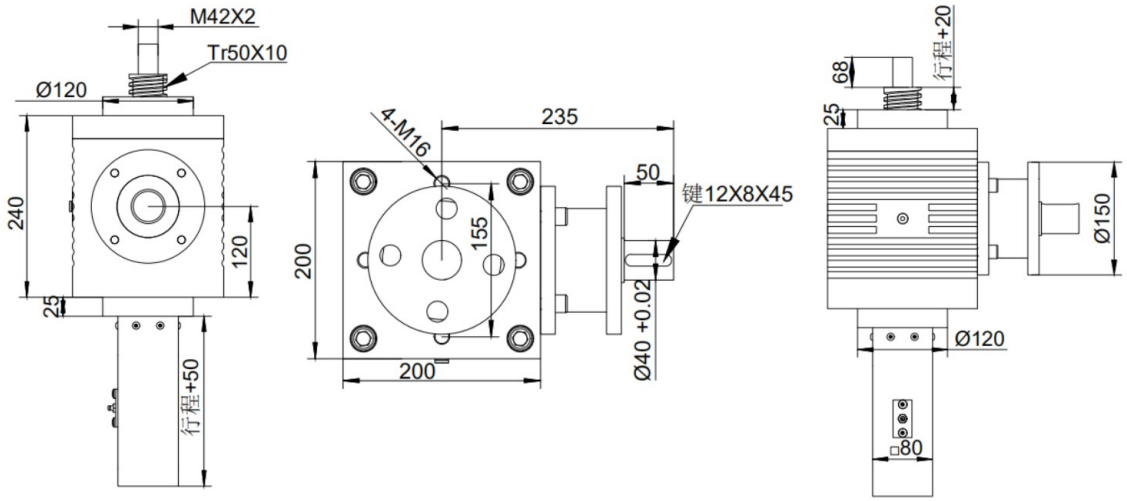


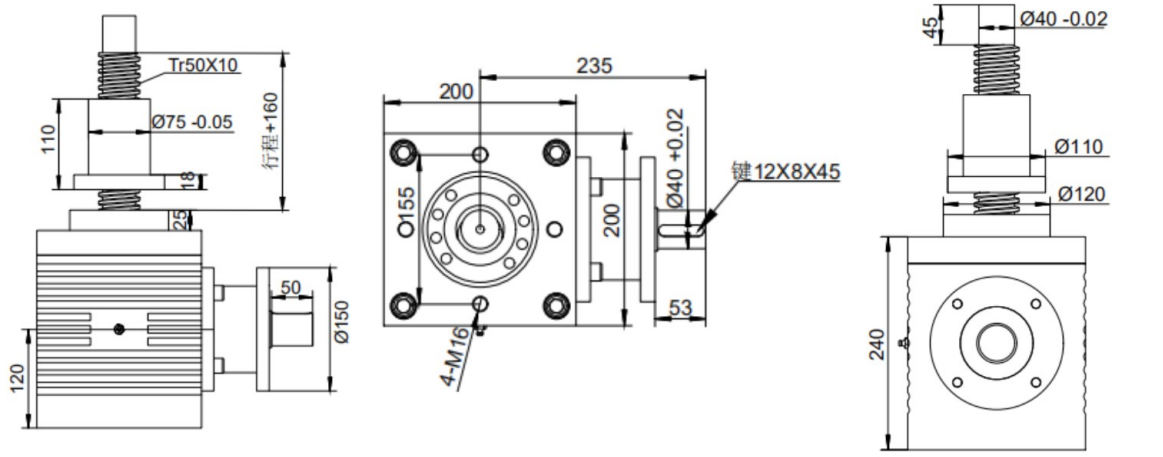


GT70 梯形丝杆

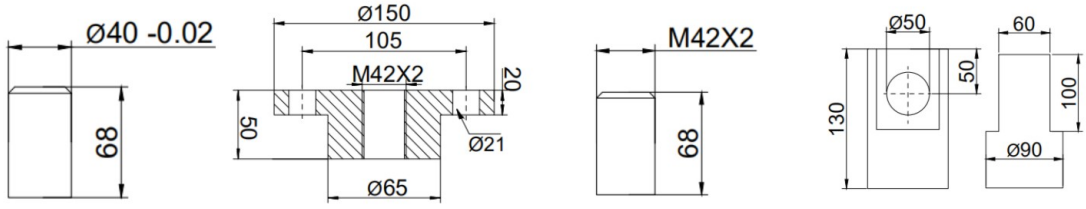


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

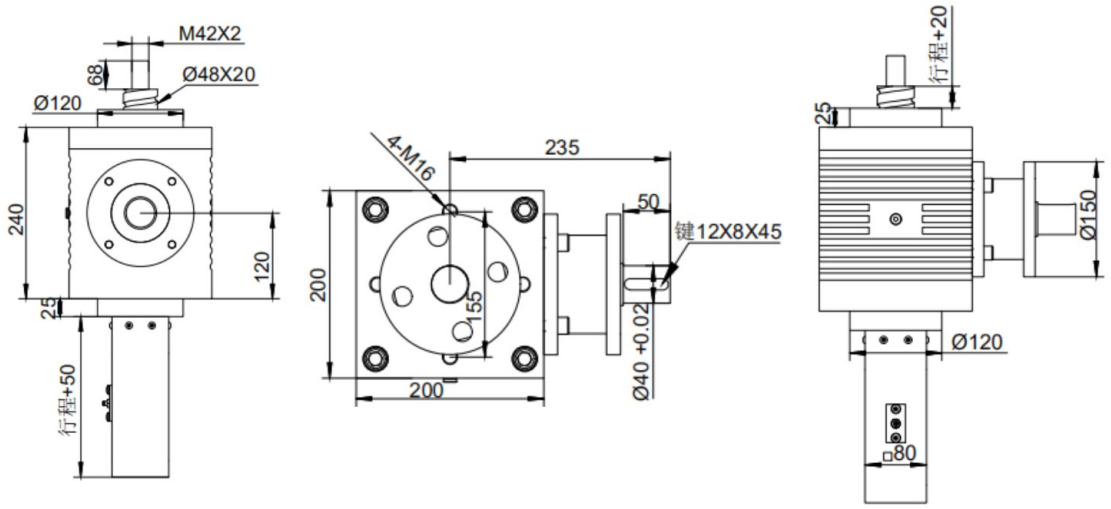


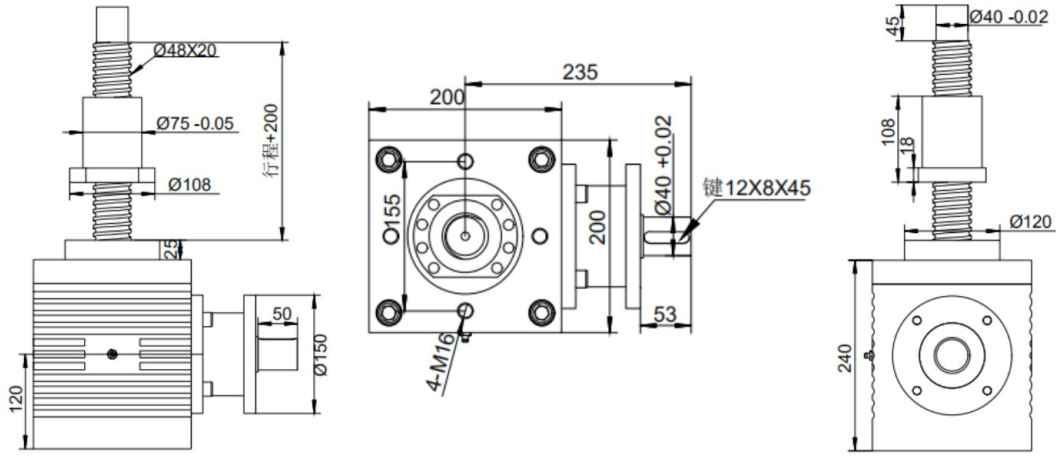


GB70 滚珠丝杆 48×20

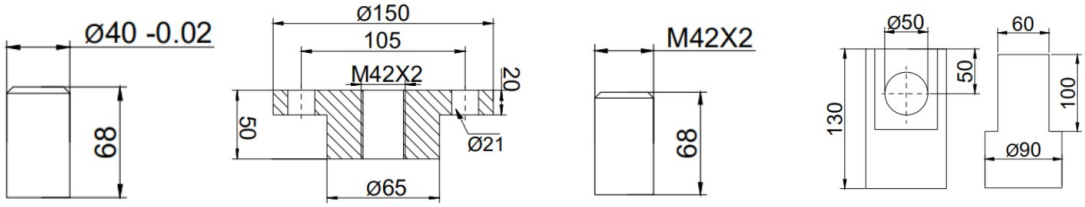


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

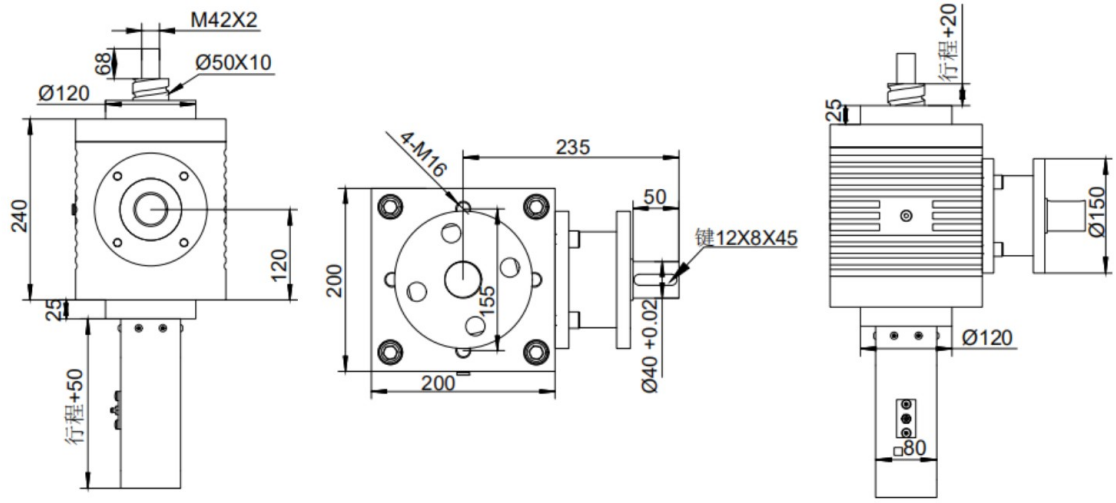


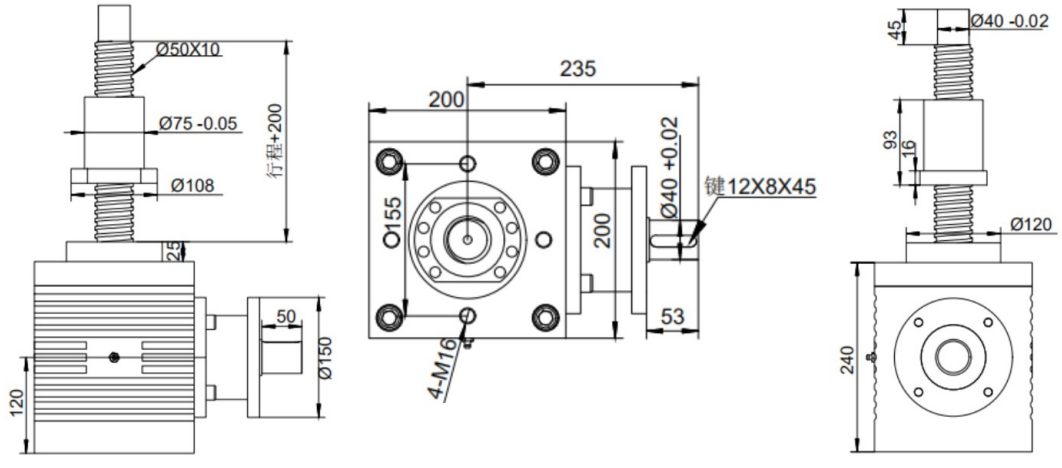


GB70 滚珠丝杆 50×10

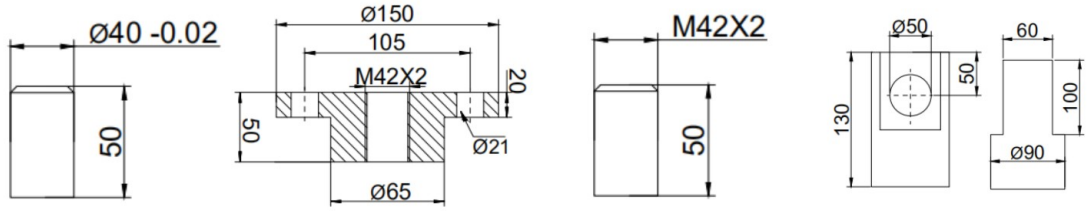


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

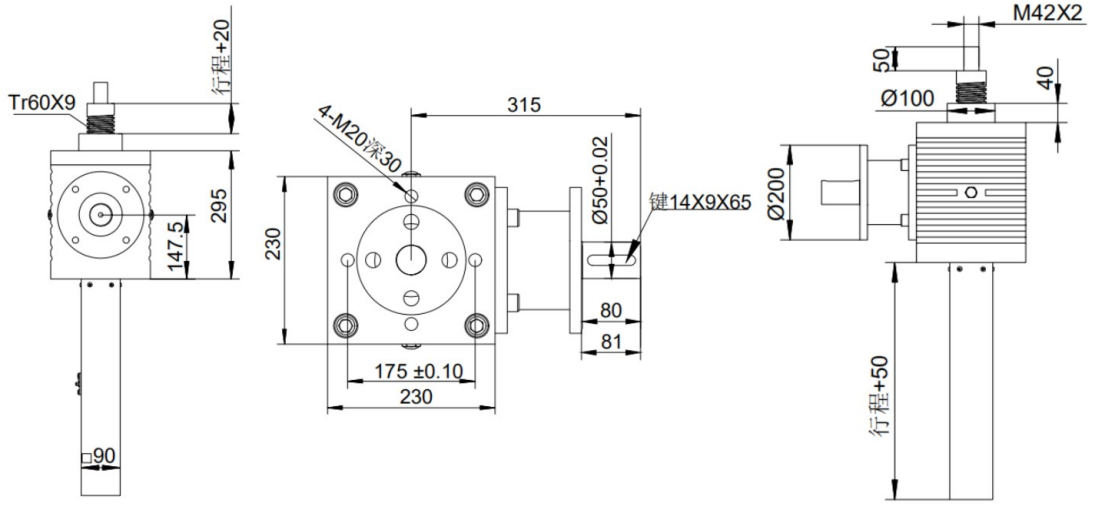


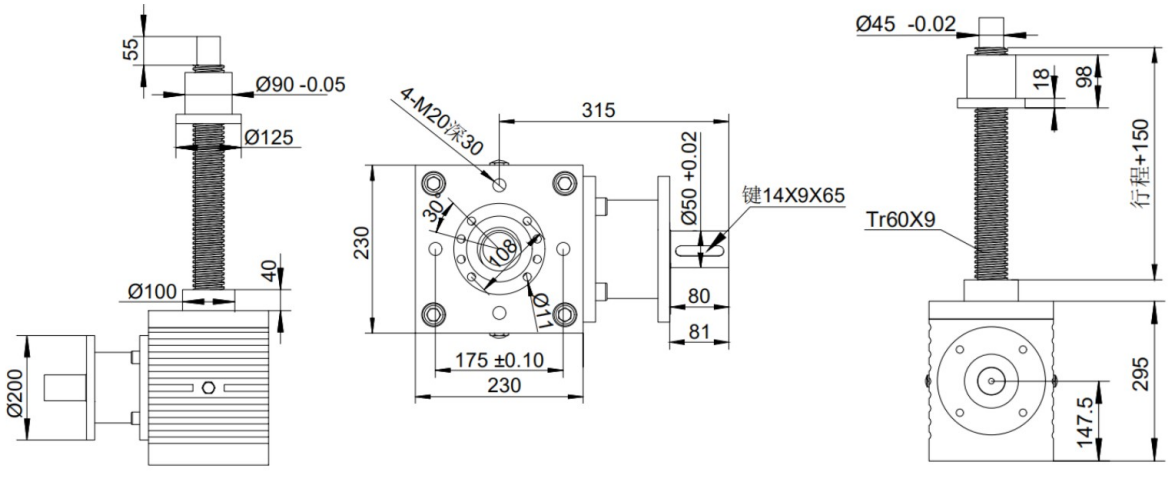


GT90 梯形丝杆

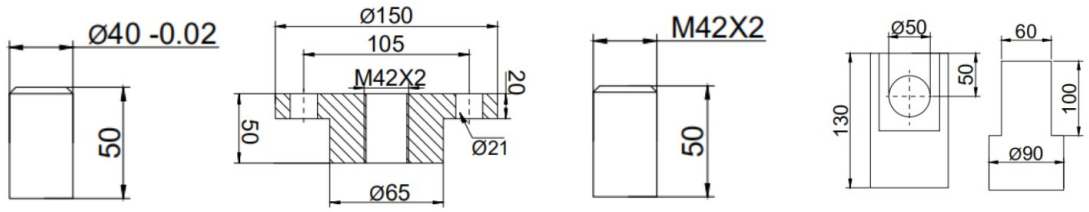


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

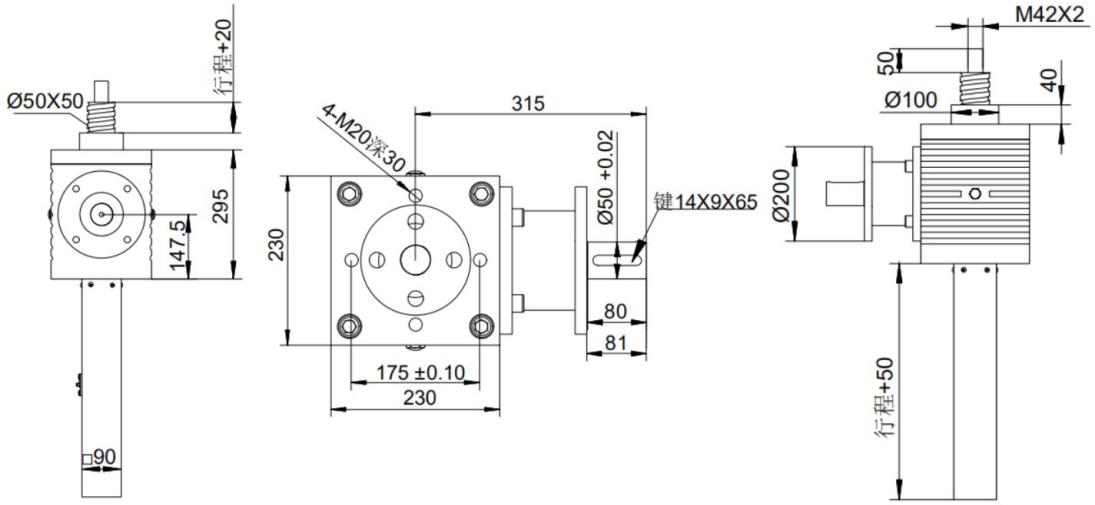


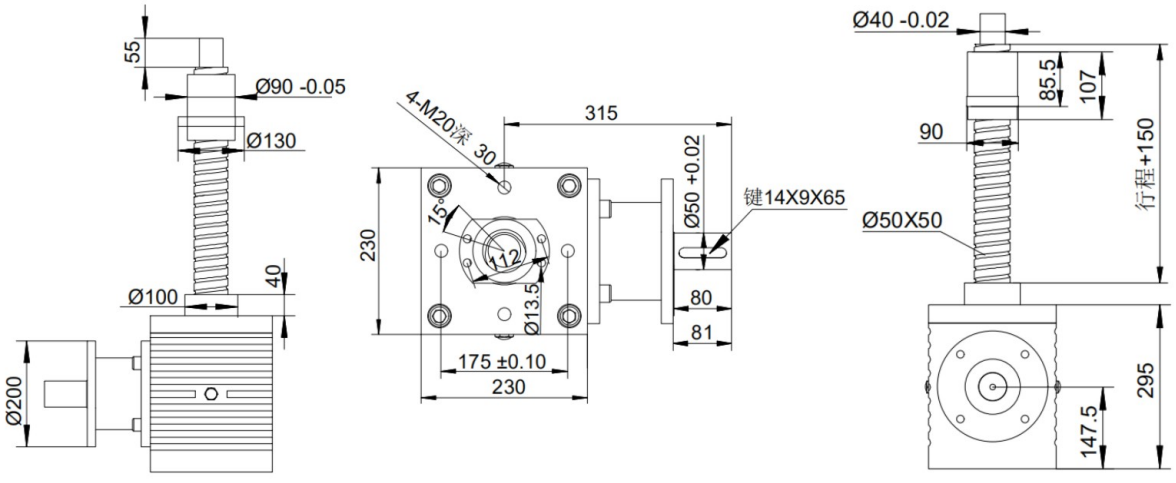


GB90 滚珠丝杆 50×50

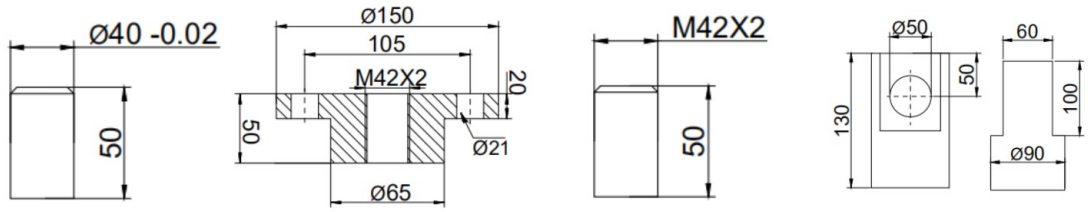


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV





GB90 滚珠丝杆 63×10



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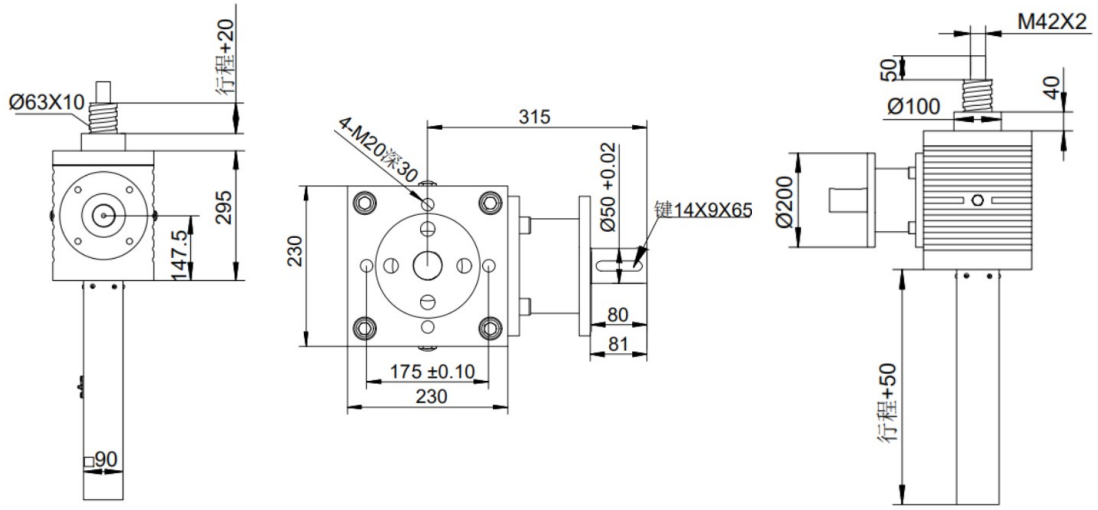

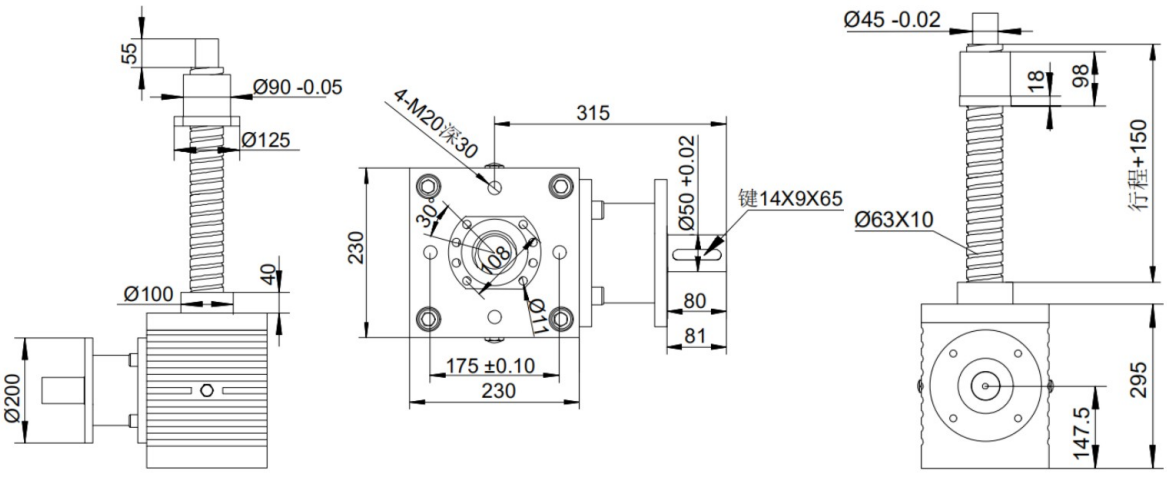

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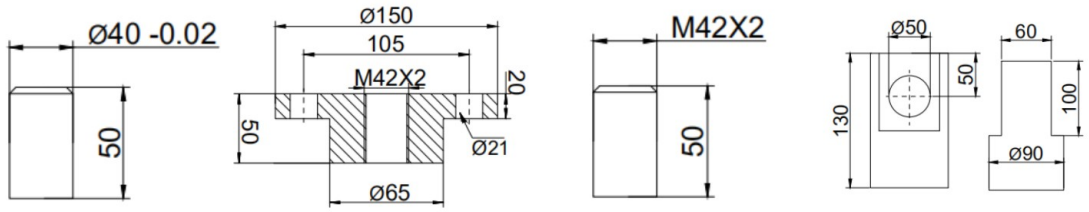
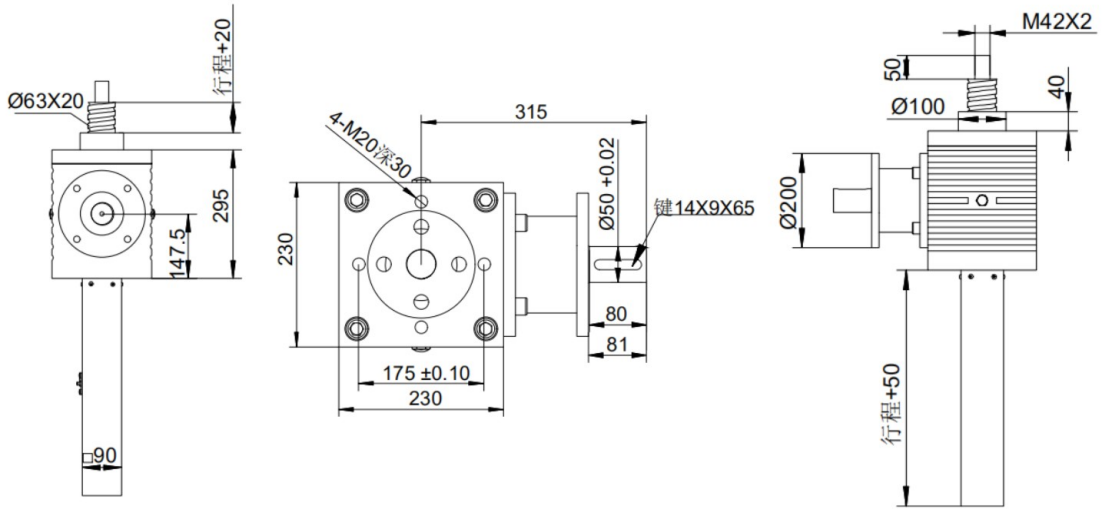
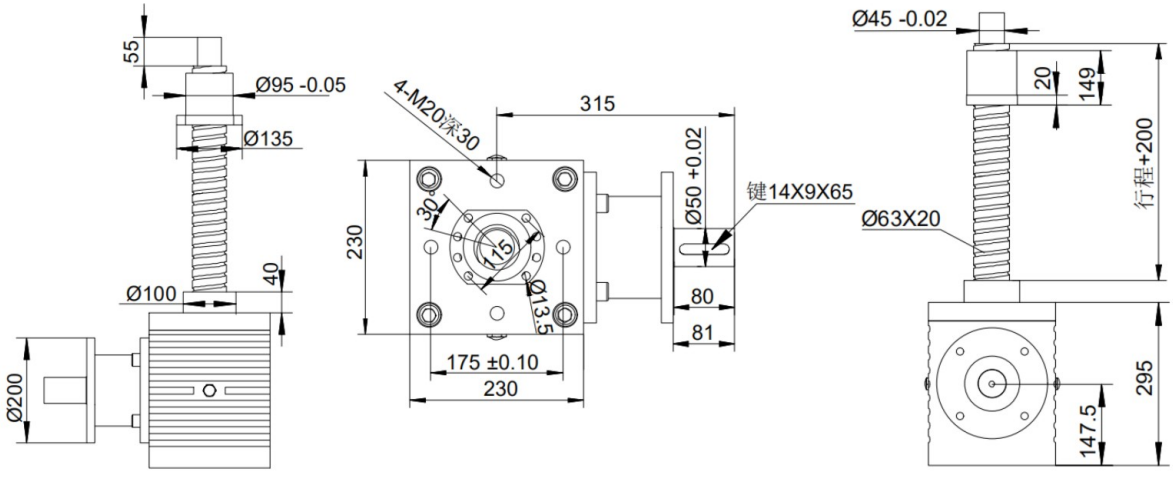
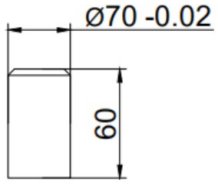


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

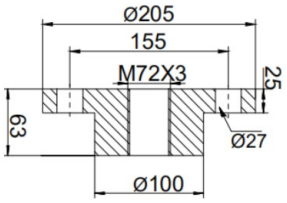




GT120 梯形丝杆



头部形式 I



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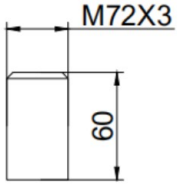

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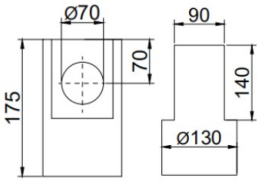

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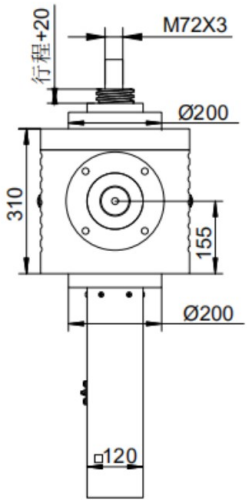
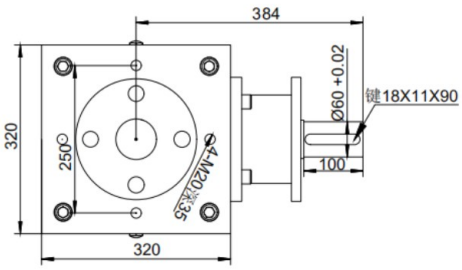
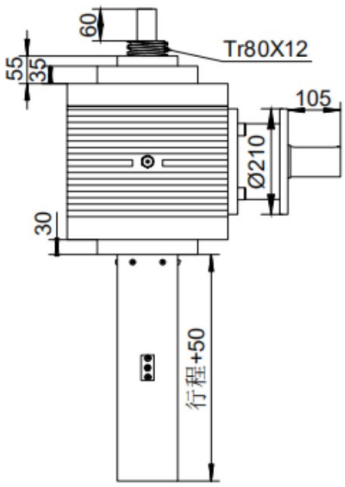
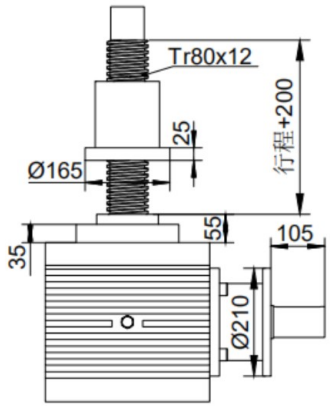
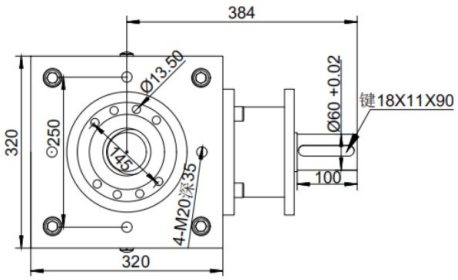
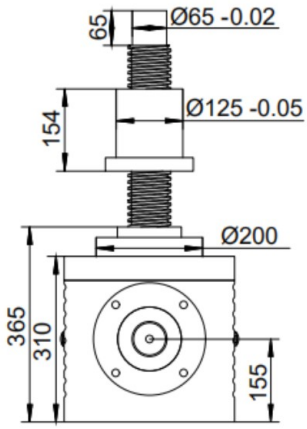




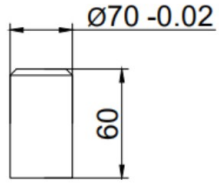




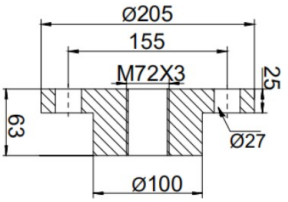




GB120 滚珠丝杆 80×10



头部形式 I



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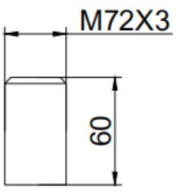

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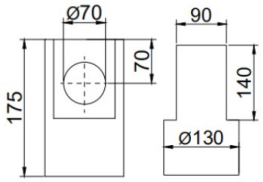
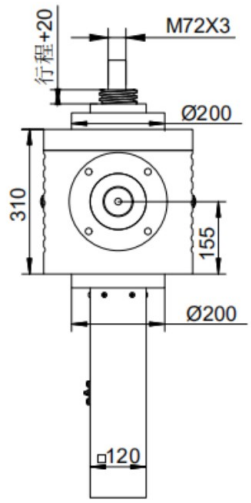
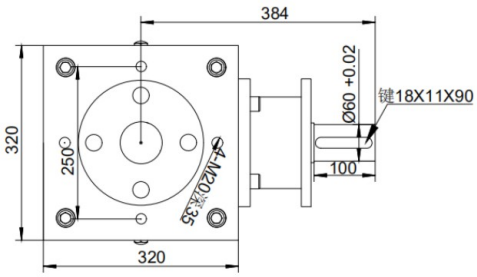
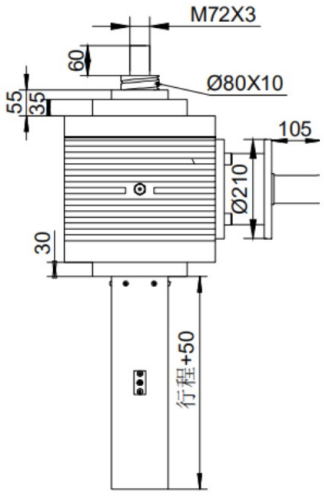
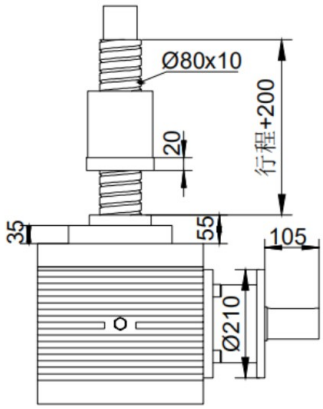


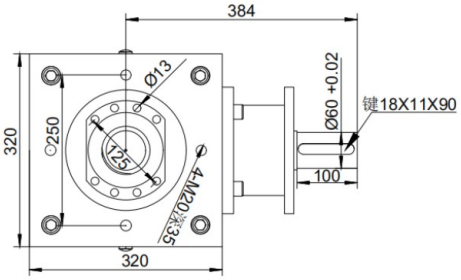
头部形式 IV

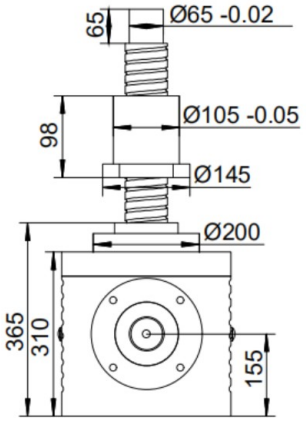




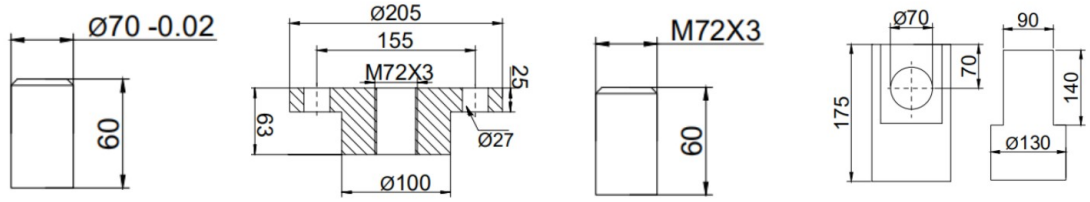




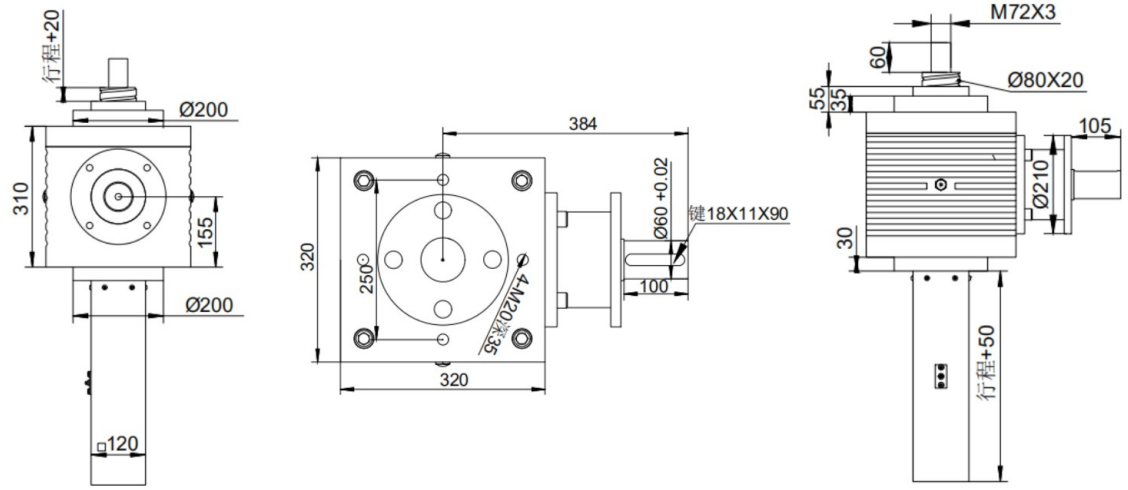


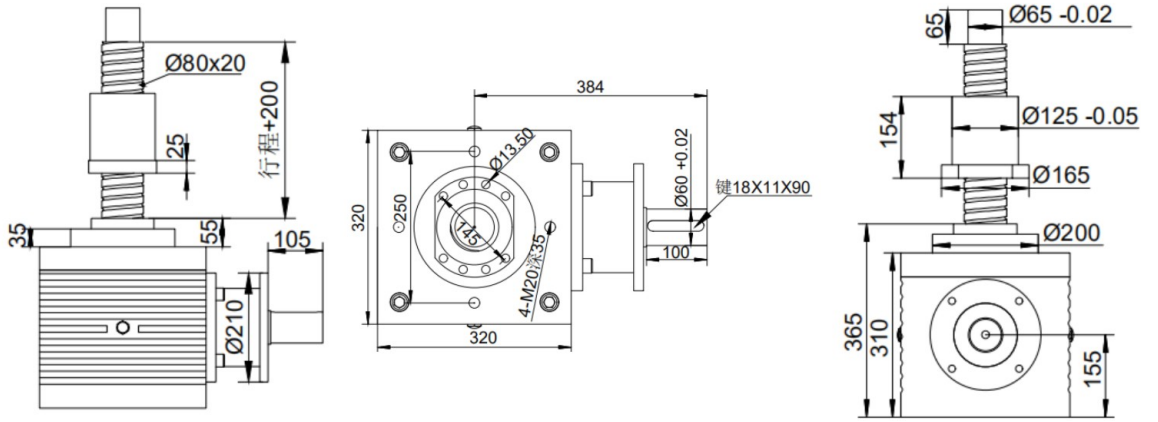


GB120 滚珠丝杆 80×20

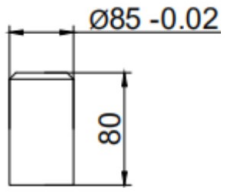


头部形式 I　　头部形式 II　　头部形式 III　　头部形式 IV

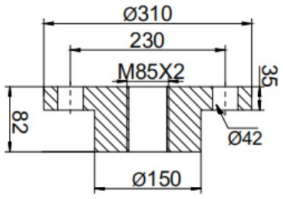




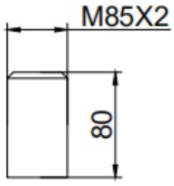
GT150 梯形丝杆



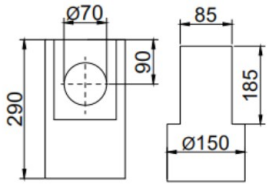
头部形式 I



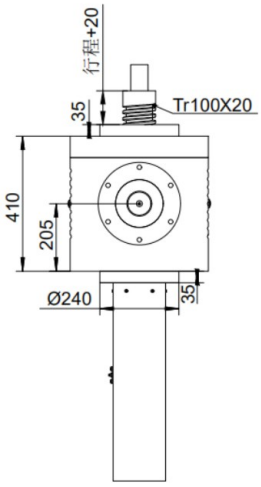
头部形式 II

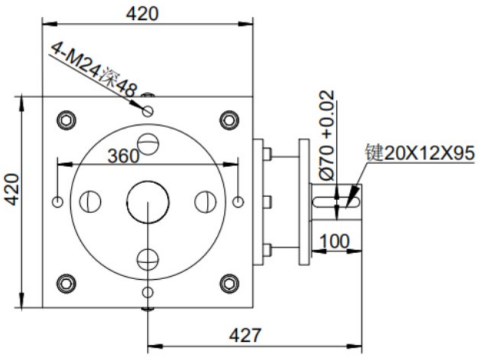


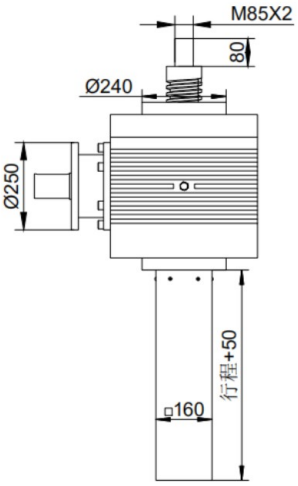
头部形式 III

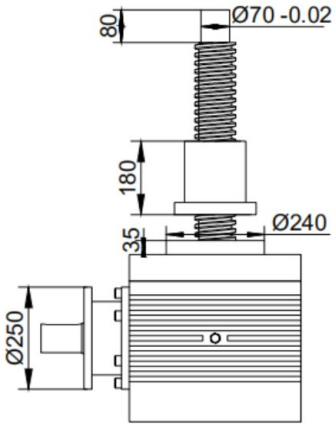


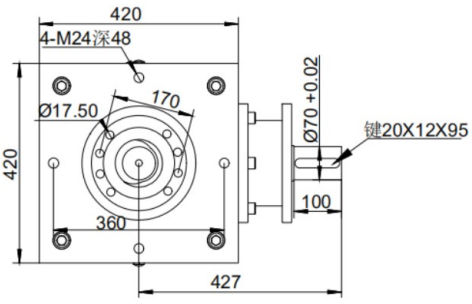
头部形式 IV

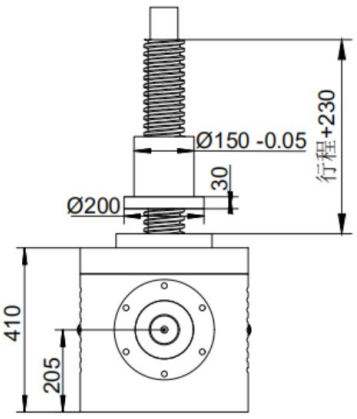




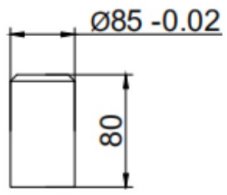




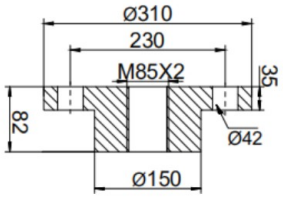




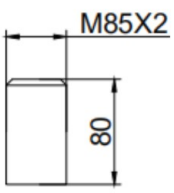
GB150 滚珠丝杆



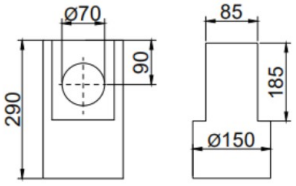
头部形式 I



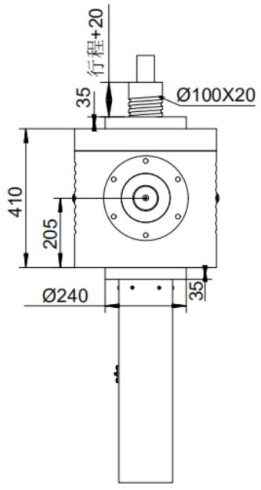
头部形式 II

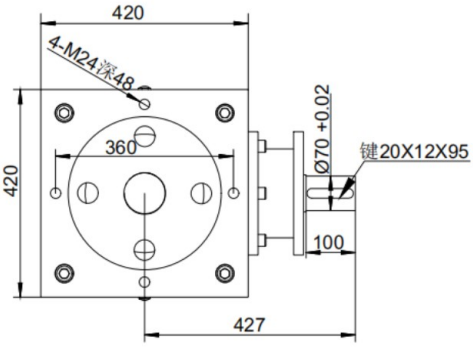


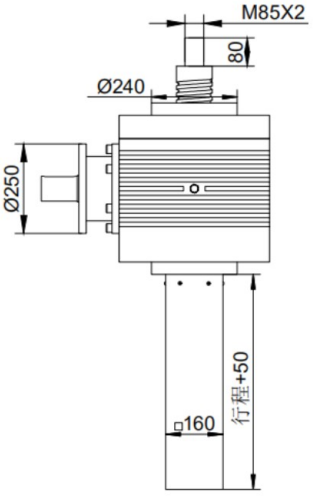
头部形式 III

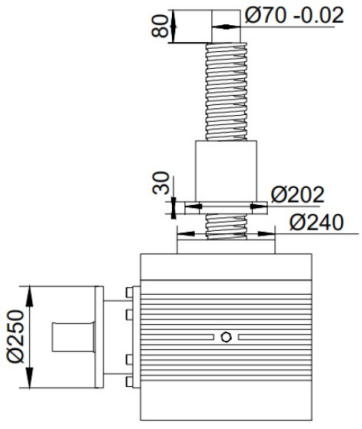


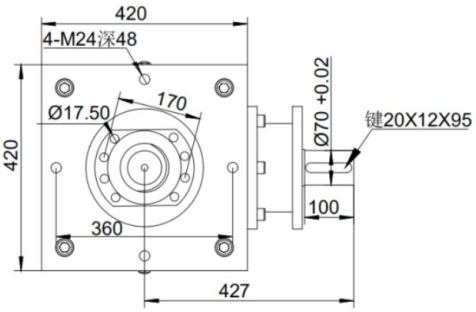
头部形式 IV

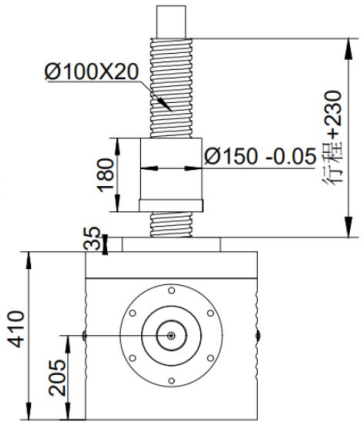












梯形锥齿轮参数表

型号		GT15	GT25	GT50	GT70	GT90	GT120	GT150
最大提升力	[kN]	15	25	50	70	90	120	150
最大拉负载	[kN]	15	25	50	70	90	120	150
梯形丝杠规格	[Tr]	25×5	30×6	40×7	50×10	60×9	80×12	100×20
速比 N		2	2	2	2	2	2	2
速比每转提升量	[mm/U]	2.5	3	3.5	5	4.5	6	10
丝杠额定效率	[%]	0.22	0.26	0.25	0.22	0.21	0.2	0.19
驱动轴最大许可转矩	[Nm]	50	125	175	900	1600	1900	2200
容许输入轴的最大转矩	[Nm]	150	270	600	1000	1764	2450	2800
机箱材料		球墨铸铁	球墨铸铁	球墨铸铁	球墨铸铁	球墨铸铁	铸钢	铸钢
每100mm提升量丝杠重量+护管	[kg]	0.5	0.75	1.5	2.5	3.02	4.5	6.8
齿轮所需润滑剂量	[kg]	0.15	0.9	1.3	2	3.5	4	5
空载扭矩	[Nm]	2	3	4	5	7	10	20

滚珠锥齿轮参数表

型号		GB15		GB25			GB50		GB70		GB90			GB120		GB150
最大提升力	[kN]	17	29	19	34	48	39	53	57	60	94	67	87	73	129	143
最大拉负载	[kN]	17	29	19	34	48	39	53	57	60	94	67	87	73	129	143
滚珠丝杠规格	Φ	25×5	25×10	31×20	31×32	32×10	38×20	40×10	48×20	50×10	50×50	63×10	63×20	80×6	80×20	100×20
速比 N		2		2			2		2		2			2		2
速比每转提升量	[mm/U]	2.5	5	10	16	5	10	5	10	5	25	5	10	5	10	10
丝杠额定效率	[%]	48	65	70	75	64	69	62	67	61	75	60	65	60	60	60
驱动轴最大许可转矩	[Nm]	50		125			175		900		1600			1900		2200
容许输入轴的最大转矩	[Nm]	150		270			600		1000		1764			2450		2800
机箱材料		球墨铸铁		球墨铸铁			球墨铸铁		球墨铸铁		球墨铸铁			铸钢		铸钢
每100mm提升量丝杠重量+护管	[kg]	0.5		0.75			1.5		2.5		3.02			4.5		6.8
齿轮所需润滑剂量	[kg]	0.15		0.9			13		2		3.5			4		5
空载扭矩	[Nm]	2		3			4		5		7			10		20

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