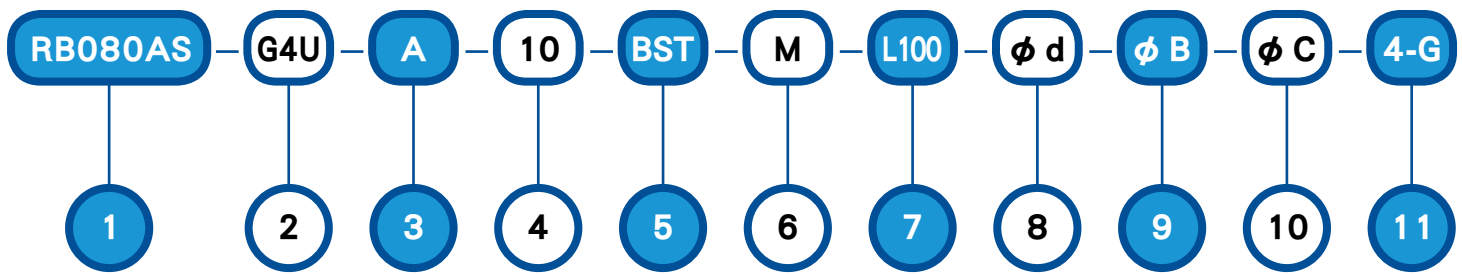


CST 90-degree Precision Reducer Screw Lift

- A wide range of output shafts with gear ratios ranging 1/1 – 1/250
- Suits servomotors/stepping motors
- Works with 100W – 15KW

RB series – Synchronous screw lifts:



1. Models: RB080AS / RB110AS / RB135AS / RB165AS / 200BS

2. Numbers of screw shaft: as Fig. 1

3. Type of transmission:

Middle-located motor drive

4. Gear ratios: 1/3 - 1/50

5. Ways of movement: as Fig. 2

6. Flexible covering tube

7. Effective length: as Fig. 3

8-11. Bore of input shaft ϕd ,
Flange ϕB ,
screw hole ϕC /4-G: as Fig. 4

BS: Screw

(horizontal/Rise & descend)

BST: Rise & descend with screw +
Pushing plate

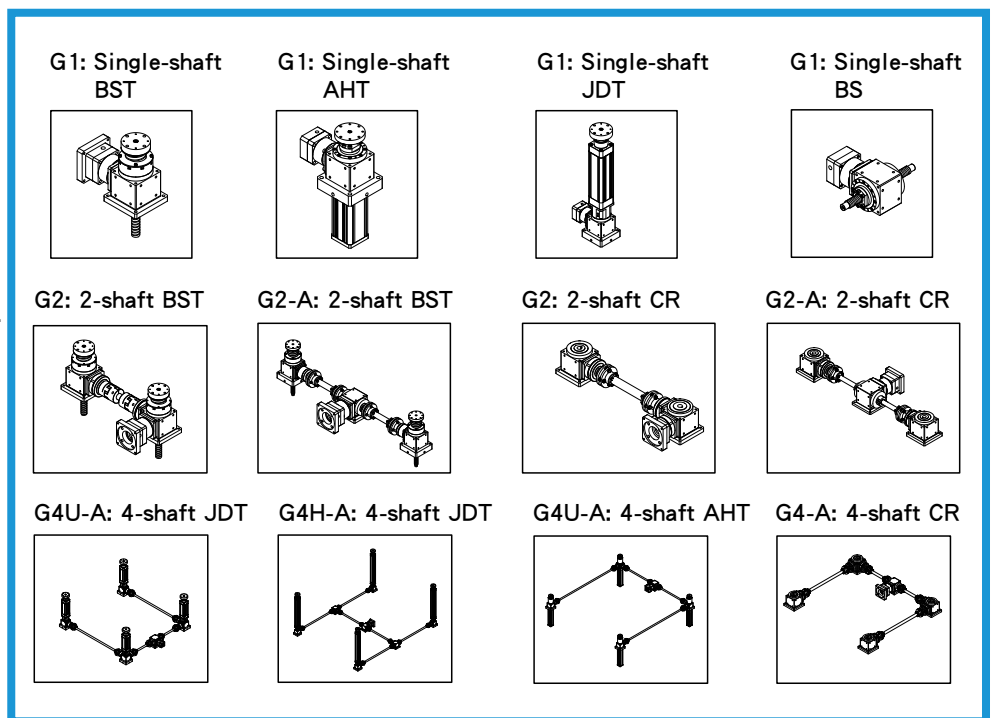
JDT: Rise & descend with electric
cylinder +Pushing plate

AHT: Rise & descend with piston +
flexible covering tube

BHT: Rise & descend with screw +
flexible covering tube

CR: Multi-point rise & descend
(move with nut)

*Fig. 2

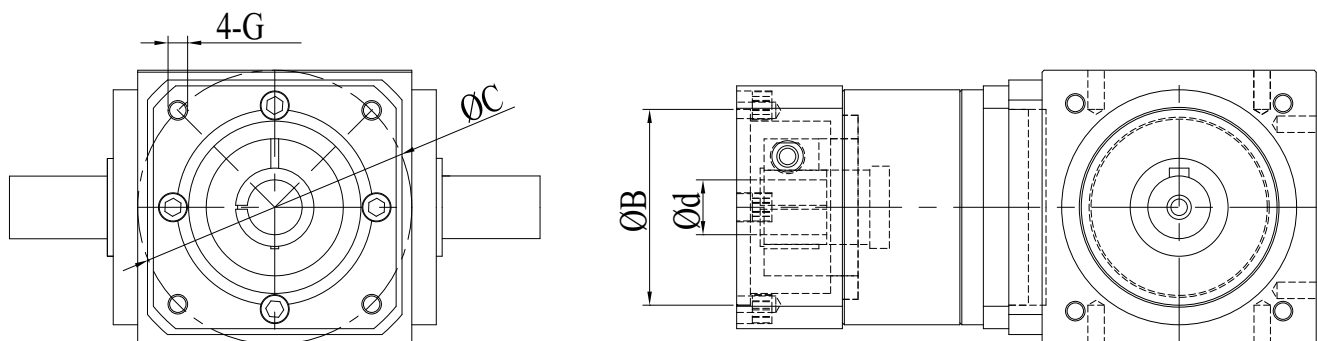


*Fig. 1

L100:100(mm)
roducible range 20 - 600(mm)

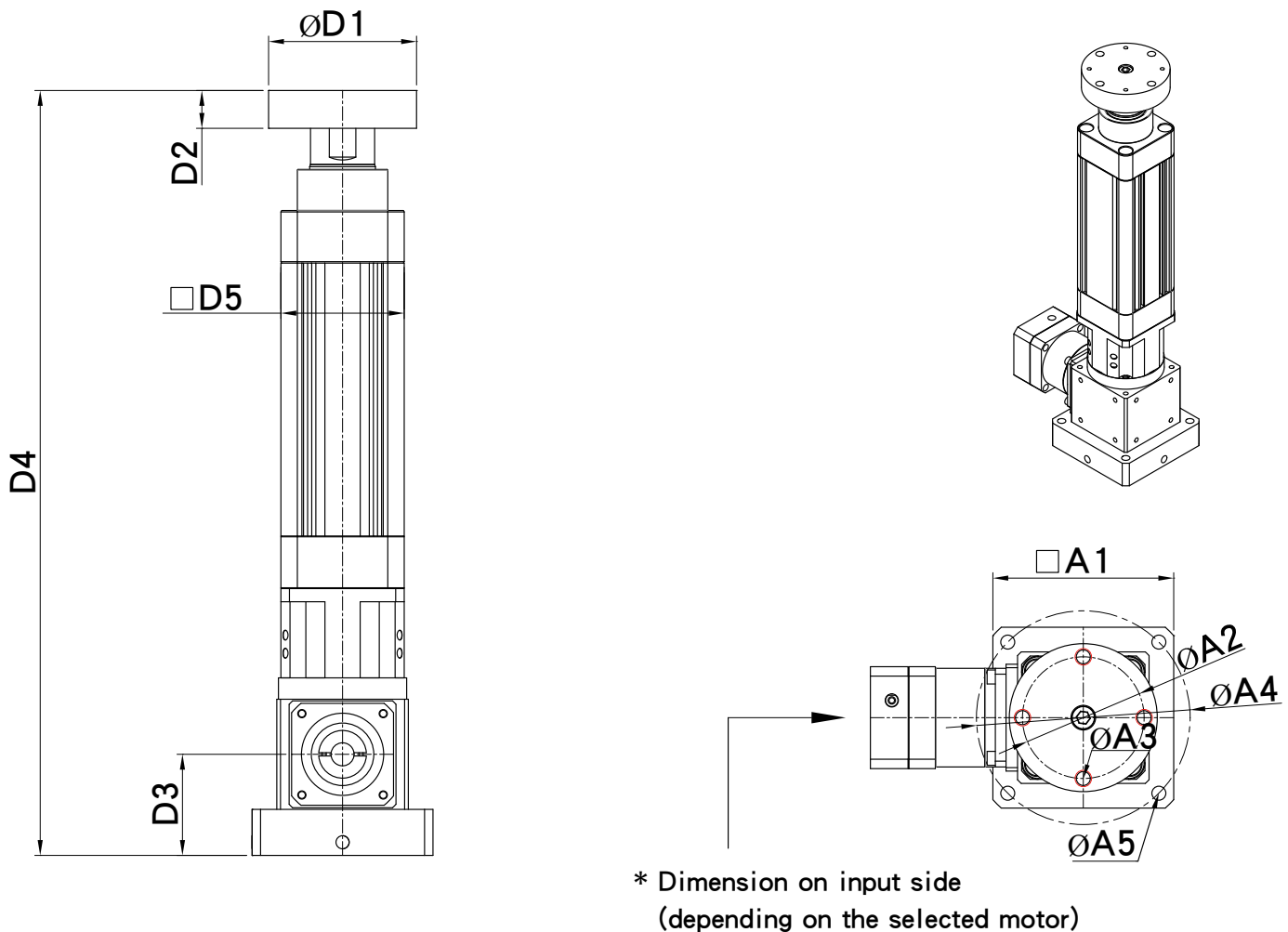
*Fig. 3

Dimensions of input flange:



*Fig. 4

RB-G1-JDT series: Single screw lift, Electric cylinder type – Dimensions

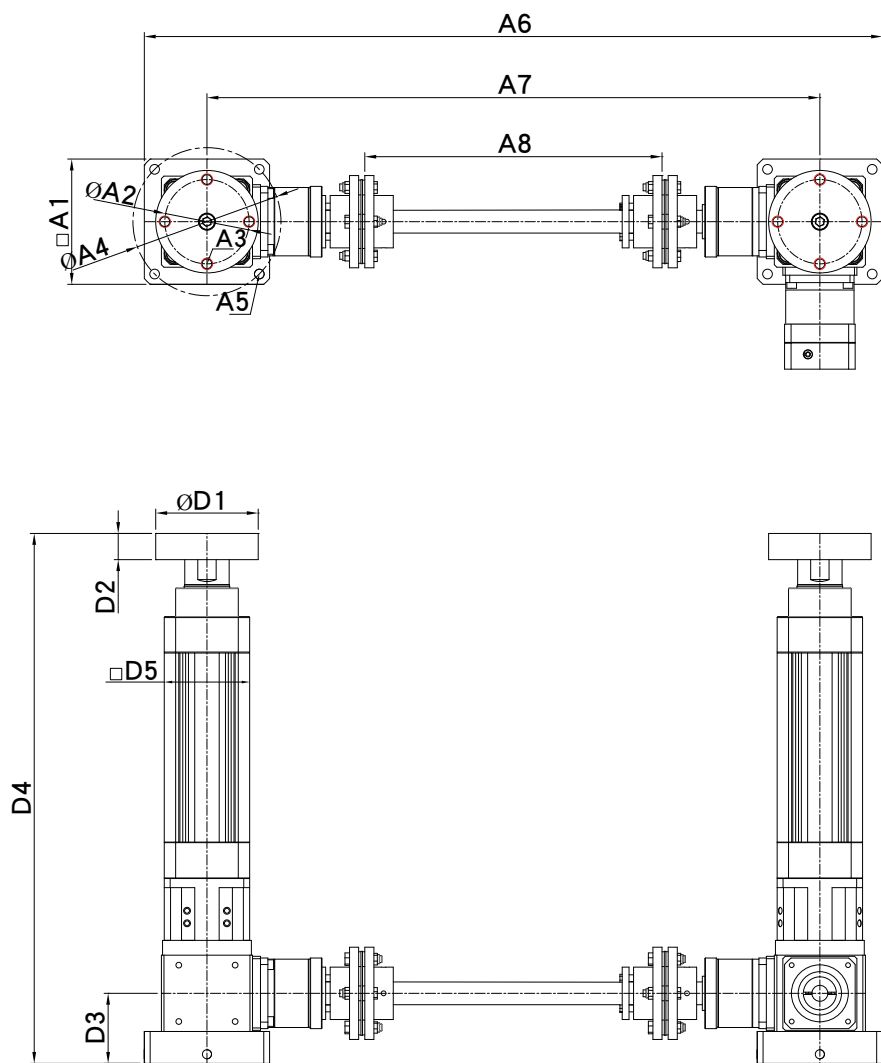
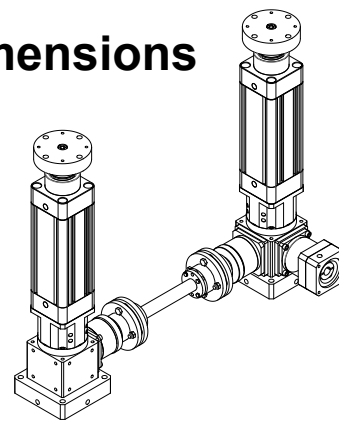


Notes: Electric cylinder type (linear guide incorporated)

1. Diameter of ball screw (16/20/25/32)
2. Lead of ball screw (5/10/20/25/32)
3. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	A1	A2	A3	A4	A5
RB080AS-G1-JDT75	90	23	61.5	Per the actual stroke (mm)	75	110	74	4-M10	130	4-φ 8.5
RB110AS-G1-JDT97	90	23	61.5/65		97	142	74	4-M10	170	4-φ 8.5

RB-G2-JDT series: 2-shaft screw lift, Electric cylinder type – Dimensions



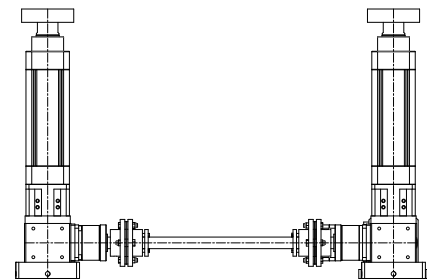
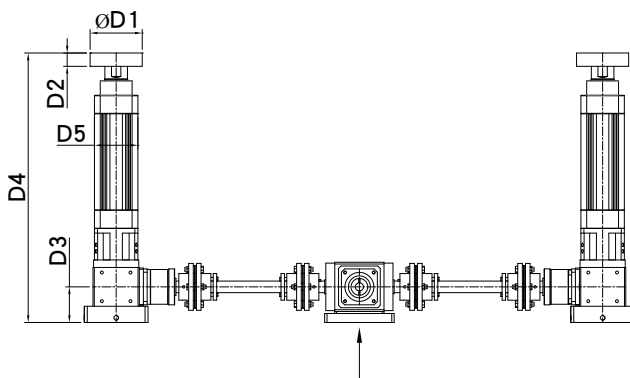
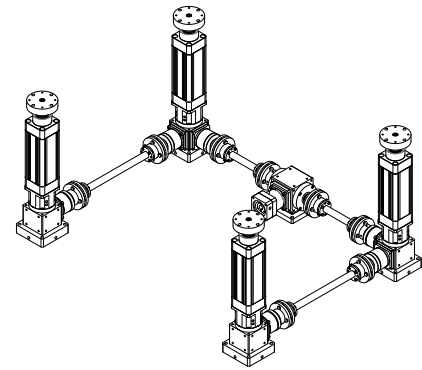
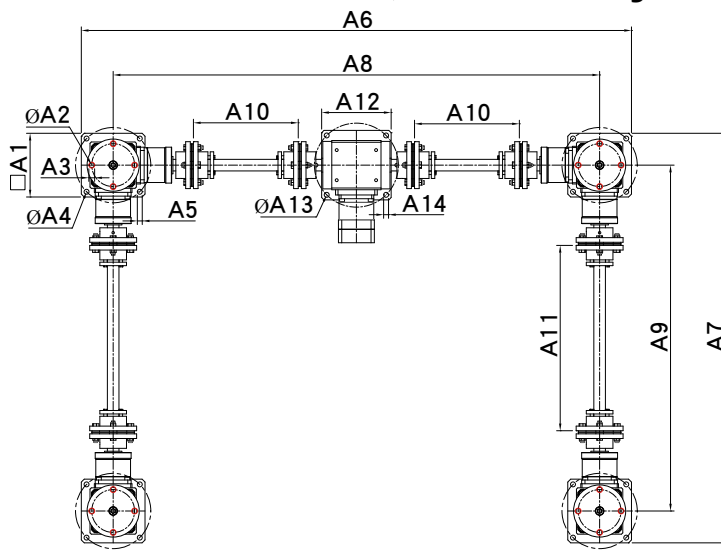
* Dimension on input side
(depending on the selected motor)

Notes: Electric cylinder type (linear guide incorporated)

1. Diameter of ball screw (16/20/25/32)
2. Lead of ball screw (5/10/20/25/32)
3. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G2-JDT75	90	23	61.5	Per the actual stroke (mm)	75	110	74	4-M10	130	4- ϕ 8.5	* Depending on screw span		
RB110AS-G2-JDT97	90	23	61.5/65		97	142	74	4-M10	170	4- ϕ 8.5			

RB-G4U-A-JDT series: 4-shaft screw lift, Electric cylinder type – Dimensions



* Dimension on input side (depending on the selected motor)

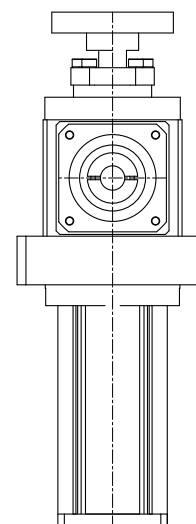
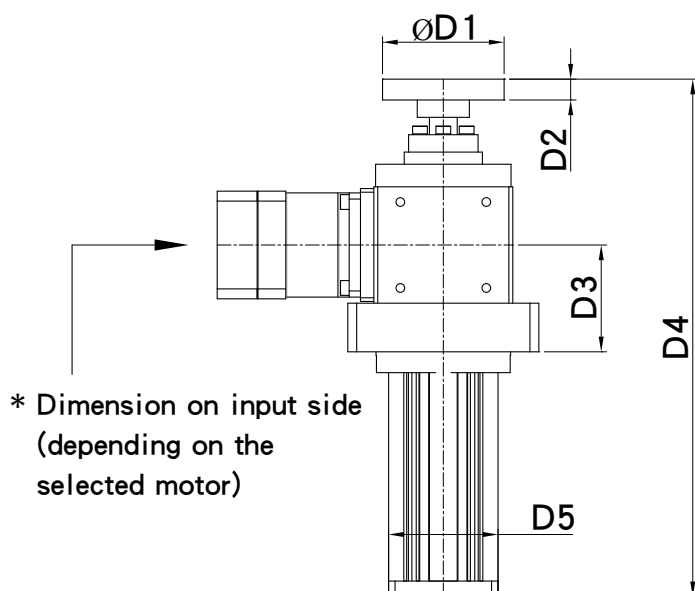
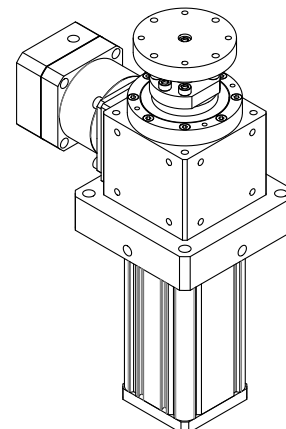
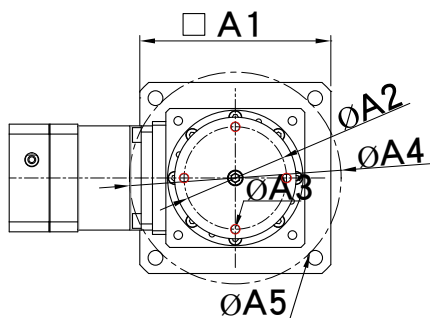
Notes: Electric cylinder type (linear guide incorporated)

1. Diameter of ball screw (16/20/25/32)
2. Lead of ball screw (5/10/20/25/32)
3. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G4U-JDT75	90	23	61.5	Per the actual stroke (mm)	75	110	74	4-M10	130	4-φ 8.5	* Depending on screw span		
RB110AS-G4U-JDT97	90	23	61.5/65		97	142	74	4-M10	170	4-φ 8.5			

規格	D9	D10	D11	D12	D13	A14
RB080AS-G4U-JDT75	* Depending on screw span			120	145	4-φ 8.5
RB110AS-G4U-JDT97				142	170	4-φ 8.5

RB-G1-AHT series: Single-shaft screw lift, Piston type – Dimensions

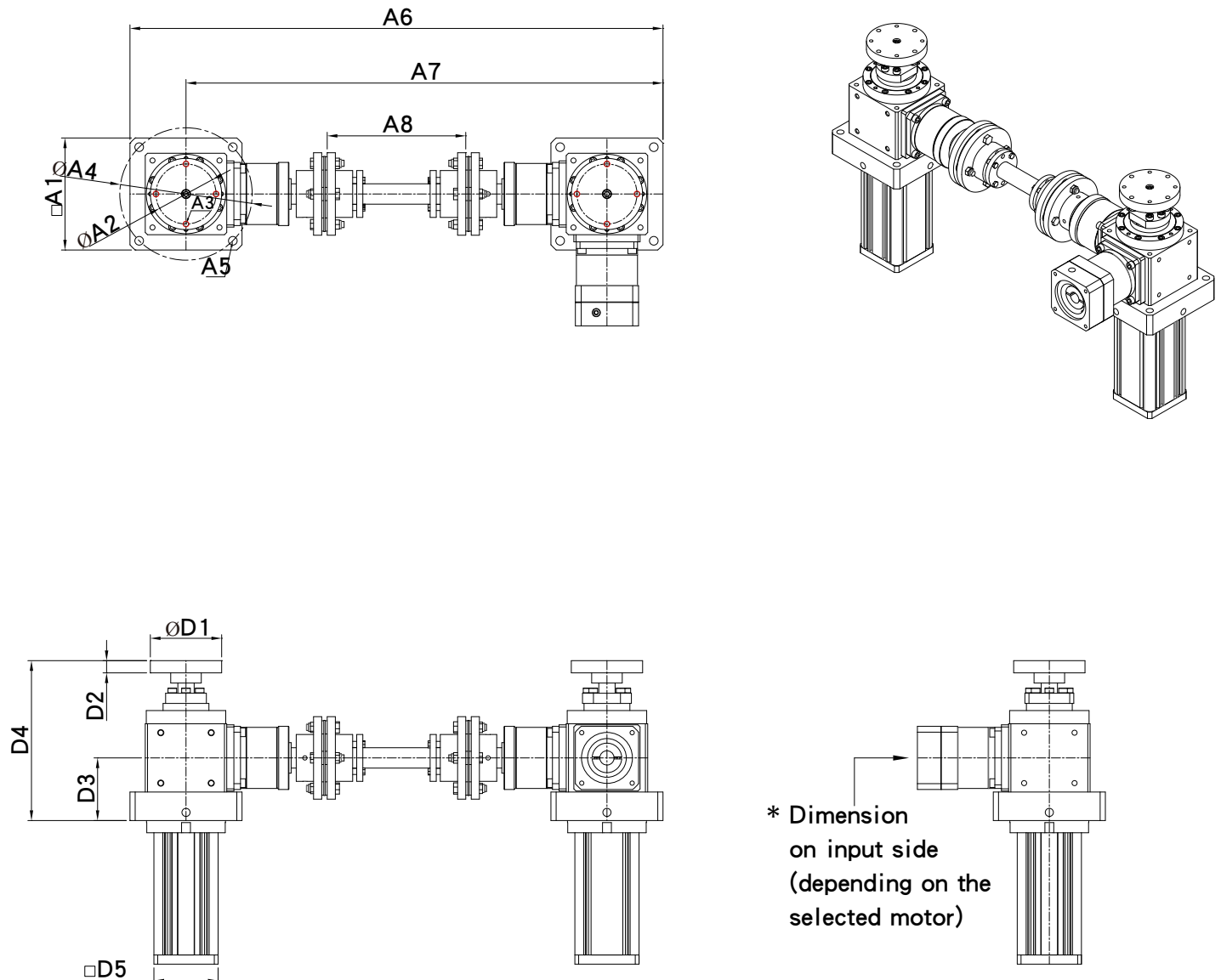


Notes: Piston type (linear guide incorporated)

1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Correct dimensions are dtd 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	A1	A2	A3	A4	A5
RB080AS-G1-AHT	70	12	61.5	Per the actual stroke (mm)	63	110	59	4-M6	130	4-φ 8.5
RB110AS-G1-AHT	90	23	61.5/65		75	142	74	4-M10	170	4-φ 8.5

RB-G2-AHT series: 2-shaft screw lift, Piston type – Dimensions

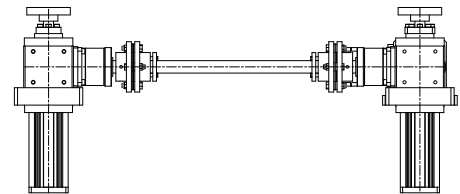
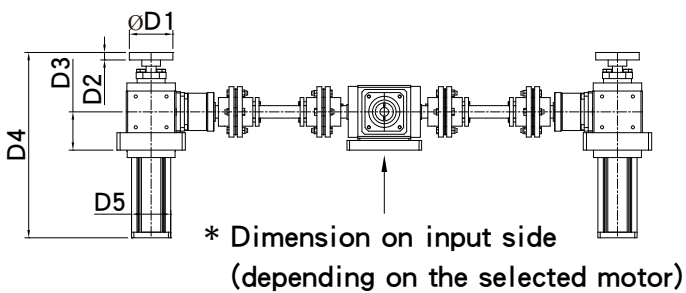
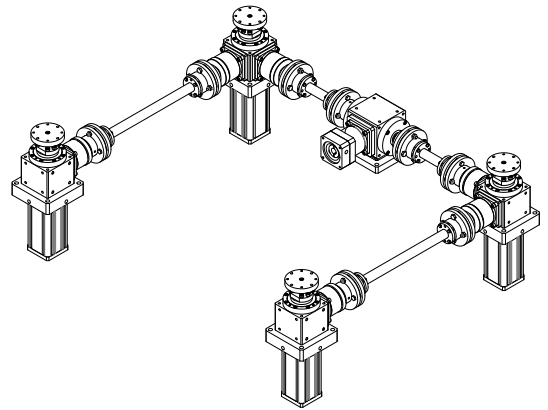
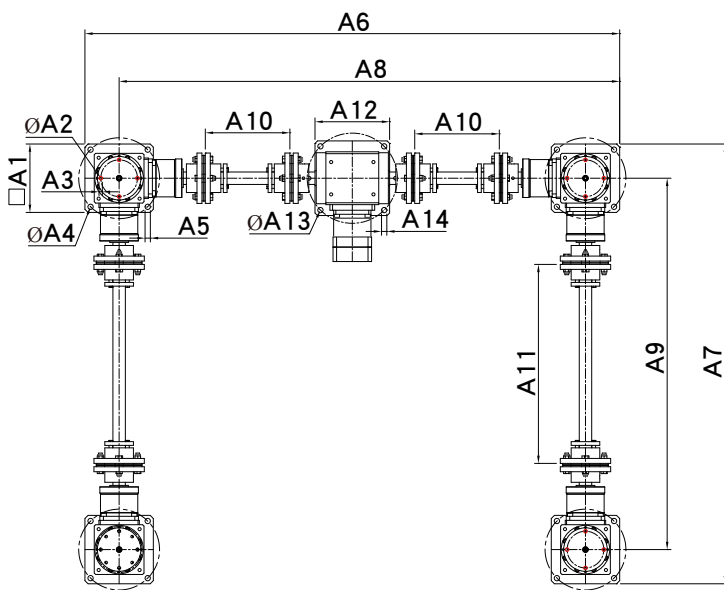


Notes: Piston type (linear guide incorporated)

1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G2-AHT	70	12	61.5	Per the actual stroke (mm)	63	110	59	4-M6	130	4- ϕ 8.5	* Depending on screw span		
RB110AS-G2-AHT	90	23	61.5/65		75	142	74	4-M10	170	4- ϕ 8.5			

RB-G4U-AHT series: 4-shaft screw lift, Piston type – Dimensions



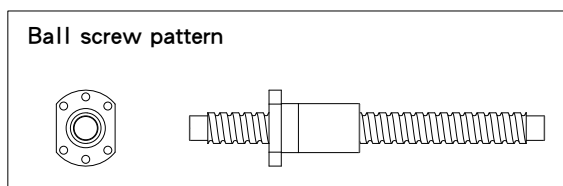
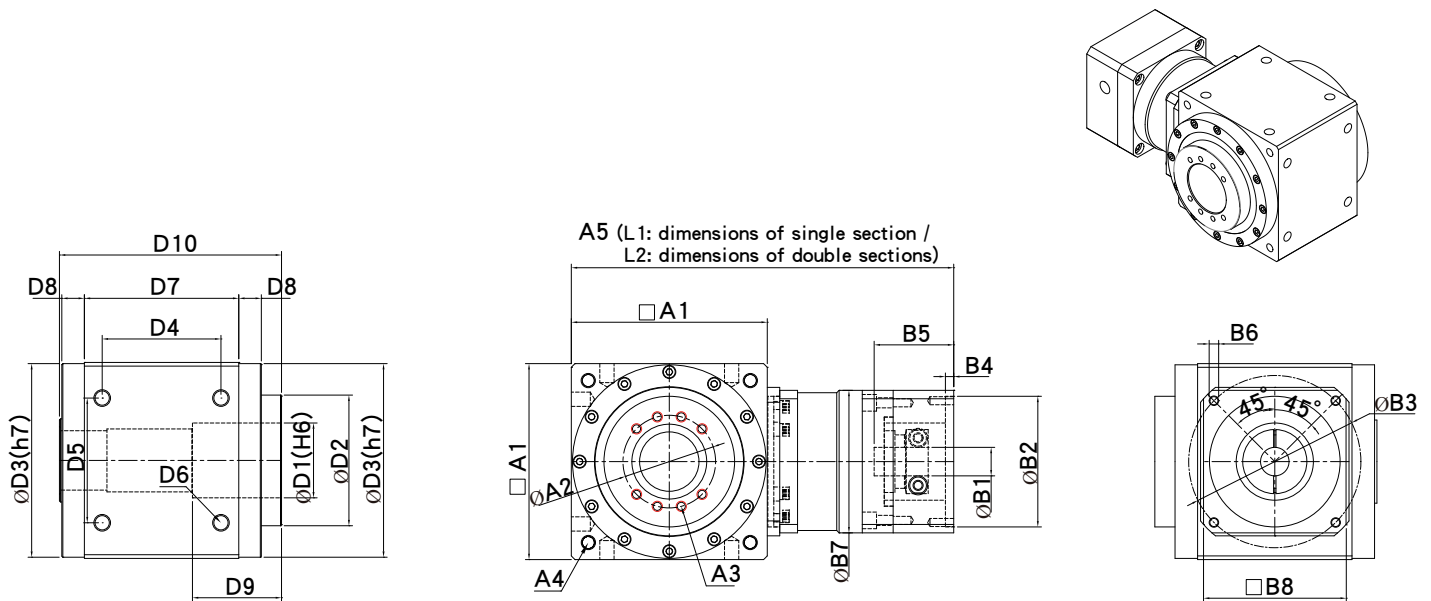
Notes: Piston type (linear guide incorporated)

1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G4U-AHT	70	12	61.5	Per the actual stroke (mm)	63	110	59	4-M6	130	4- ϕ 8.5	* Depending on screw span		
RB110AS-G4U-AHT	90	23	61.5/65		75	142	74	4-M10	170	4- ϕ 8.5			

Spec	D9	D10	D11	D12	D13	A14
RB080AS-G4U-AHT	* Depending on screw span			120	145	4- ϕ 8.5
RB110AS-G4U-AHT				142	170	4- ϕ 8.5

RB-BS series: Single-shaft screw reducer models (without screw – Dimensions) Gear ratios 2 – 50

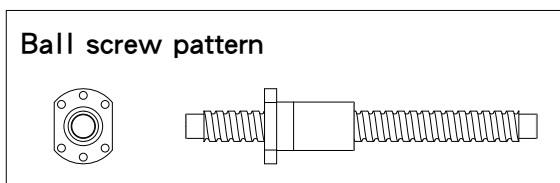
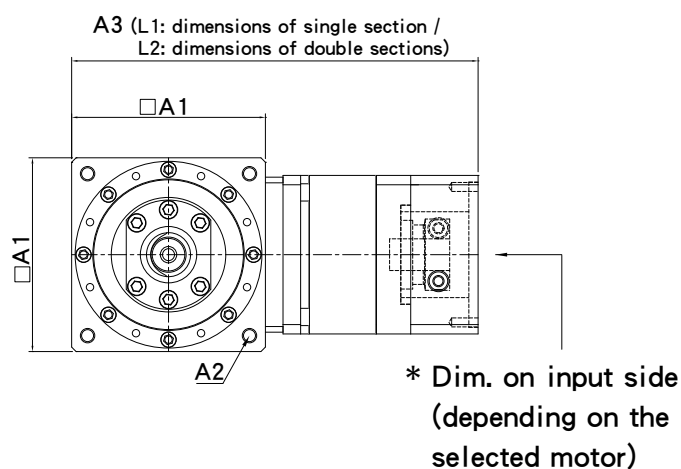
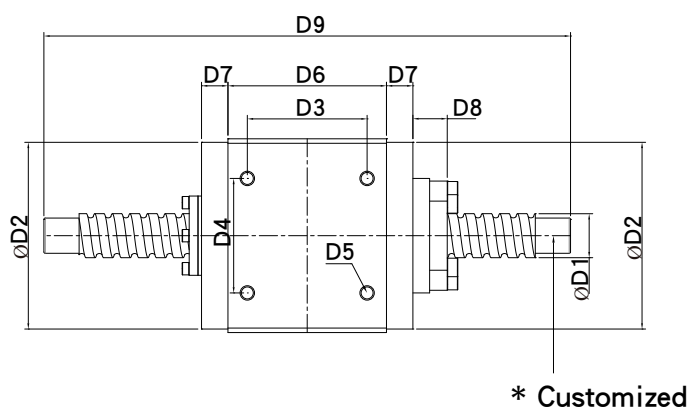
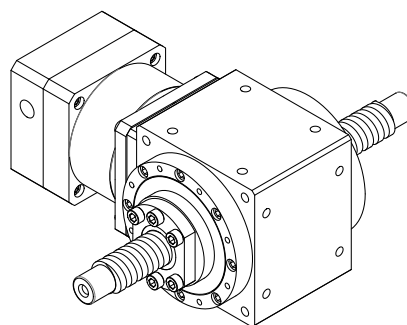


Notes: The hollow shafts accommodate ball screws of all makes

1. Diameter of ball screw (16/20/25/32/40/50)
2. Lead of ball screw (5/10/20/25/32/40/50)
3. Actual dimensions are according to 2D/3D drawings.

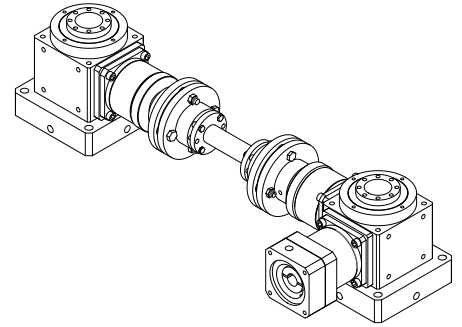
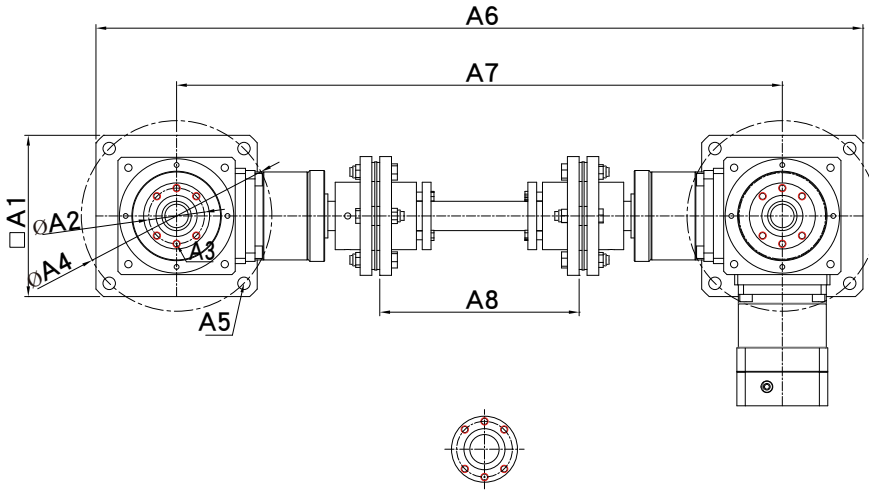
Spec	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	A1	A2	A3	A4	A5
RXW080AS	28/36	45	78	49.5	49.5	4-M6	67	13	Depending on dim. of nut on screw		80	Depending on dim. of nut on screw		4-M6	Depending on the selected motor
RXW110AS	40	65	106	68	65	4-M8	90	15			110			4-M8	
RXW135BS	50	85	133	78	83	4-M10	102	19			135			4-M10	
RXW165BS	63	110	163	100	105	4-M14	130	19			165			4-M12	
RXW200BS	75	140	195	129	130	4-M14	155	22			200			4-M16	

RB-BS series:
Single-shaft screw reducer models
(incl. screw – Dimensions) Gear ratios 2 – 50

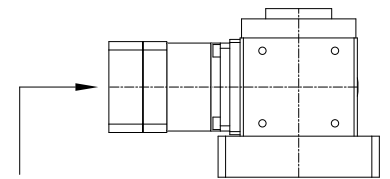
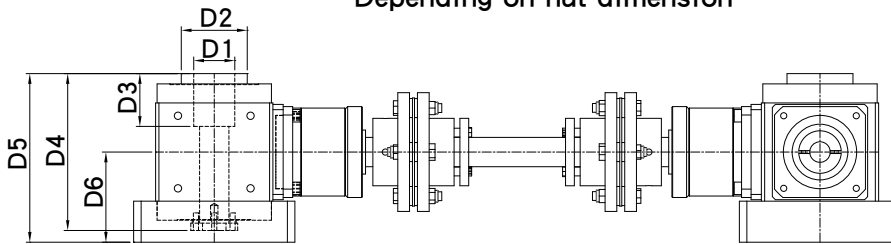


Spec	D1	D2	D3	D4	D5	D6	D7	D8	D9	A1	A2	Input shaft/ flange
RXW080AS	16/20	78	49.5	49.5	4-M6	67	13	Depending on dim. of the selected screw		80	4-M6	Depending on the selected motor
RXW110AS	25	106	68	65	4-M8	90	15			110	4-M8	
RXW135BS	32	133	78	83	4-M10	102	19			135	4-M10	
RXW165BS	40	163	100	105	4-M14	130	19			165	4-M12	
RXW200BS	50	195	129	130	4-M14	155	22			200	4-M16	

RB-G2-BS series: Screw lift (without screw) models – Dimensions Gear ratios 2 – 50

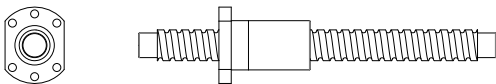


* Depending on nut dimension



* Dimensions on input side
(depending on the selected motor)

Ball screw pattern

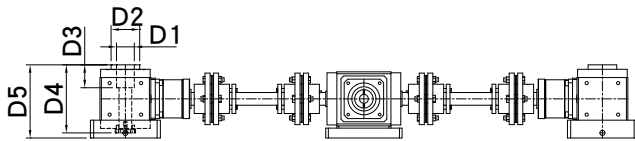
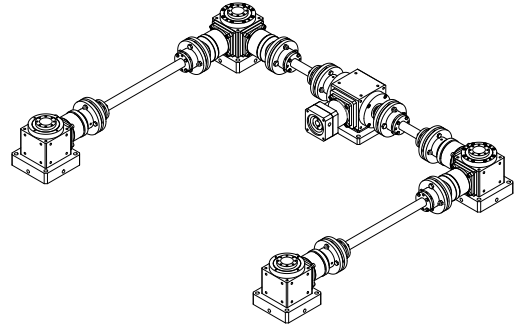
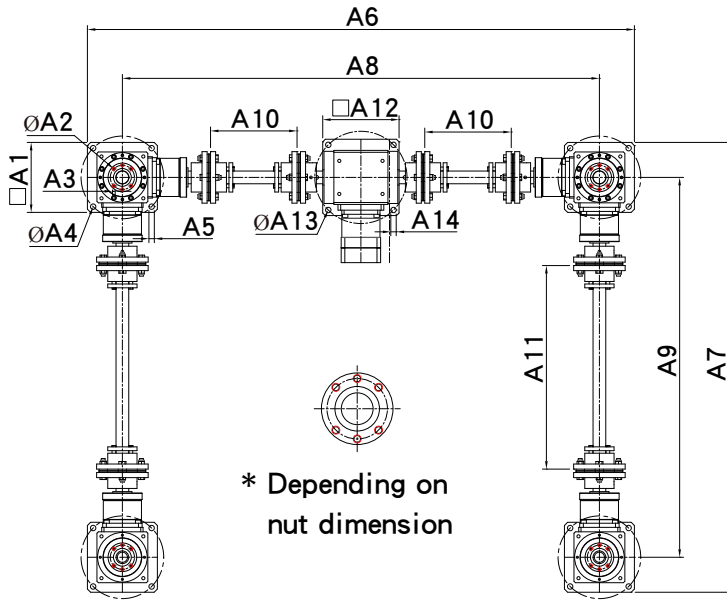


Notes: (2-shaft lifts accommodate ball screws of all makes

1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Actual dimensions are according to 2D/3D drawings.

Spec	D1(H6)	D2	D3	D4	D5	D6	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G2	28/36	45	Depending on screw dimension			61.5	110	Depending on screw dimension		130	4- ϕ 8.5	Depending on customer- selected span		
RB110AS-G2	40	65	Depending on screw dimension			61.5/65	142	Depending on screw dimension		170	4- ϕ 8.5	Depending on customer- selected span		

RB-G4U-A-BS series: Screw lifts (without screw) models – Dimensions Gear ratios 2 – 50



* Dimensions on input side
(depending on the selected motor)

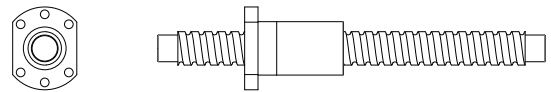


Notes:

(4-shaft lifts accommodate ball screws of all makes)

1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Actual dimensions are according to 2D/3D drawings.

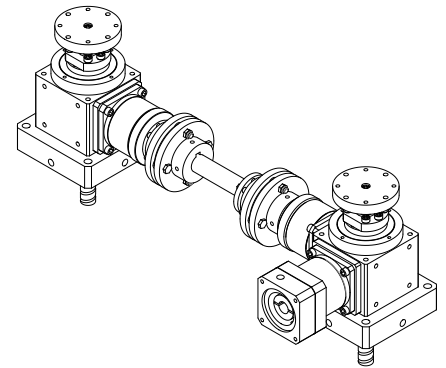
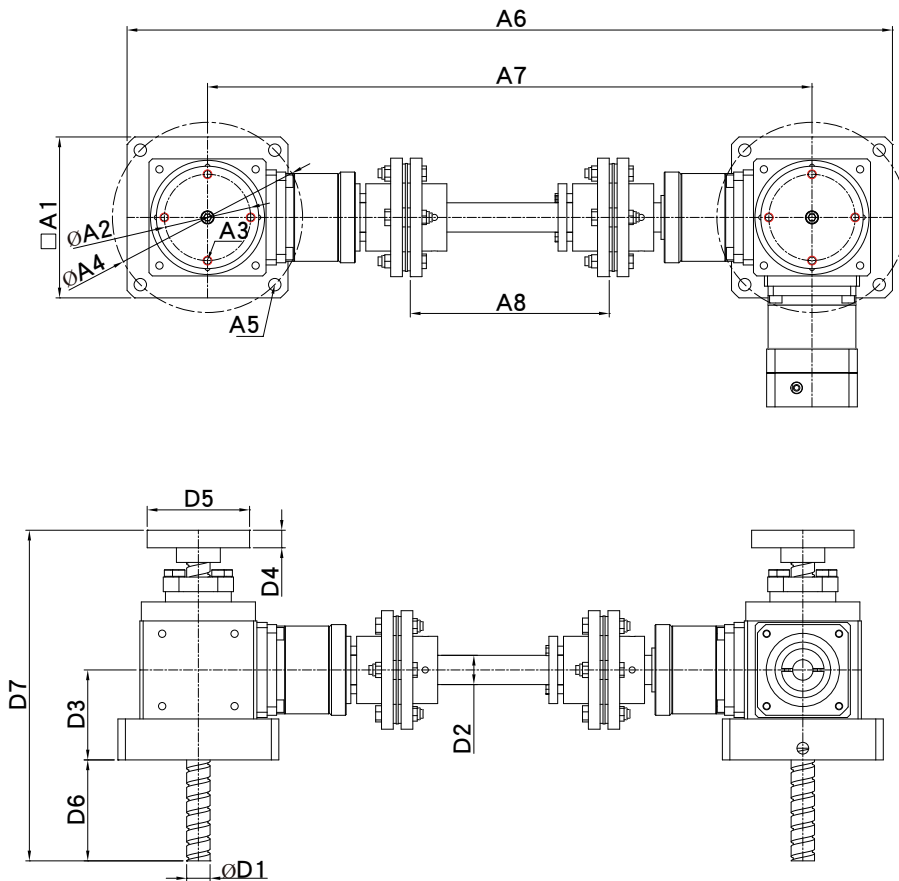
Ball screw patterns



Spec	D1(H6)	D2	D3	D4	D5	D6	A1	A2	A3	A4	A5	A6	A7
RB080AS-G4U	28/36	45	Depending on screw dimension			61.5	110	Depending on nut dimension		130	4- ϕ 8.5	* Depending on screw span	
RB110AS-G4U	40	65	Depending on screw dimension			61.5/65	142	Depending on nut dimension		170	4- ϕ 8.5	* Depending on screw span	

Spec	A8	A9	A10	A11	A12	A13	A14
RB080AS-G4U	* Depending on screw span				120	145	4- ϕ 8.5
RB110AS-G4U	* Depending on screw span				142	170	4- ϕ 8.5

RB-G2-BST series: 2-shaft screw lift models – Dimensions Gear ratios 2 – 50



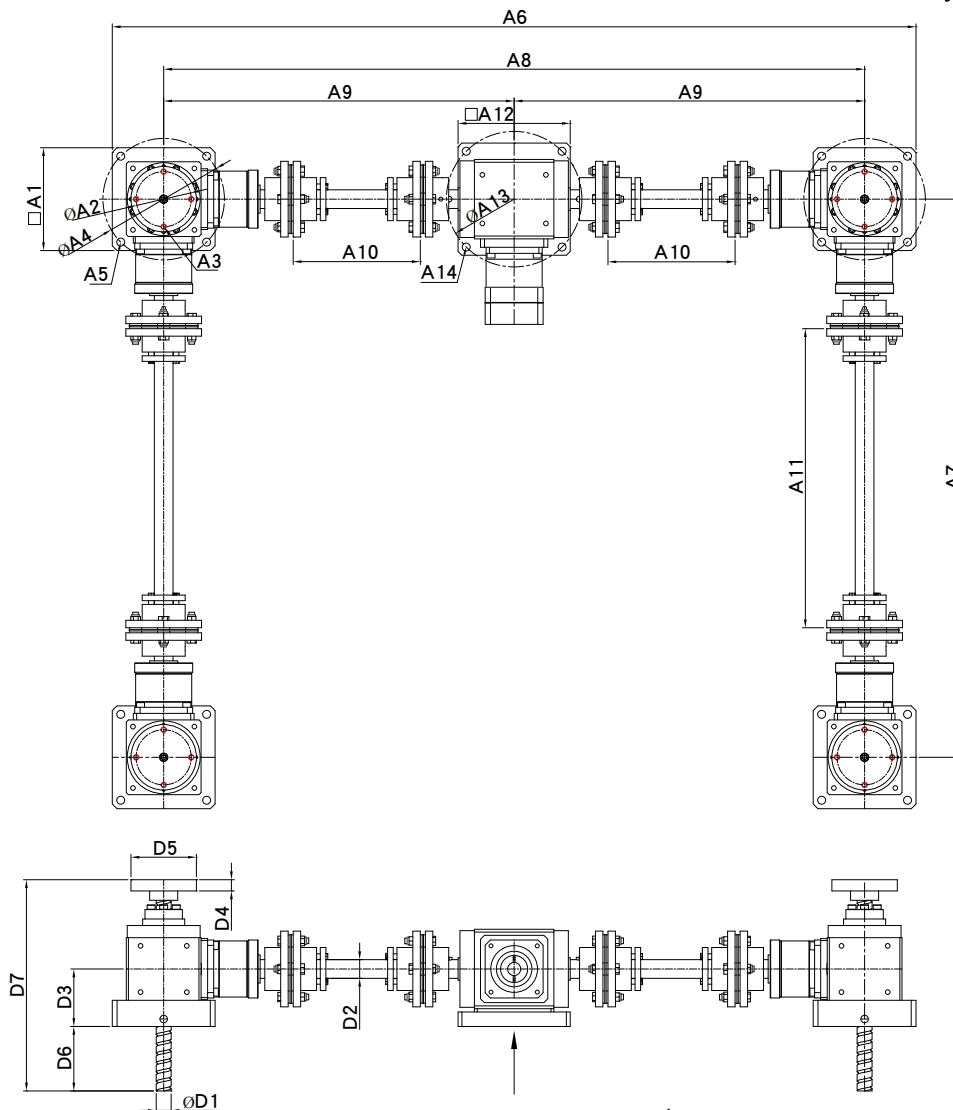
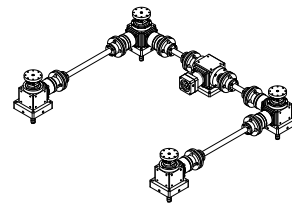
* Dimensions on input side (depending on the selected motor)

Notes: 2-shaft screw lifts

1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Customizable: retrofit flexible covering (tube)
4. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	D5	D6	D7	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G2	16/20	20/25	61.5	12	70	Effective screw length	Total length	110	59	4-M6	130	4- ϕ 8.5	Depending on customer-selected span		
RB110AS-G2	25	20/30	61.5/65	23	90			142	74	4-M10	170	4- ϕ 8.5			

RB-G4U-A-BST series: 4-shaft screw lift models – Dimensions Gear ratios 2 – 50



* Dimensions on input side (depending on the selected motor)

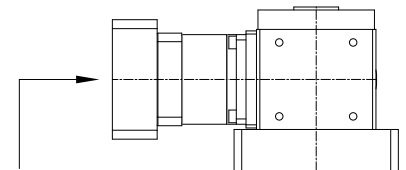
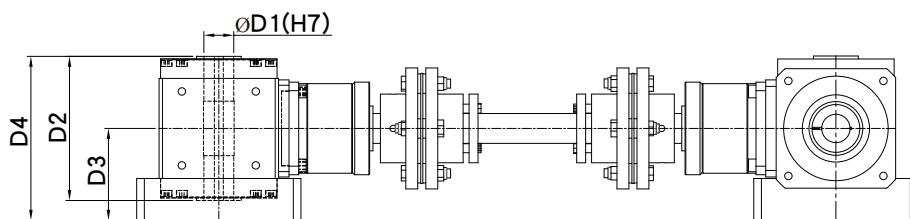
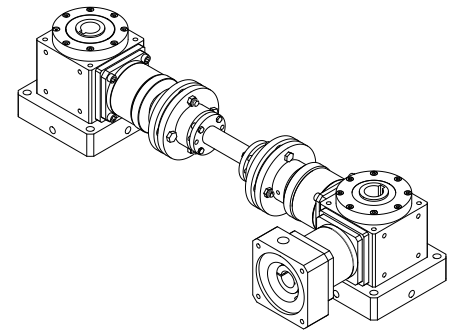
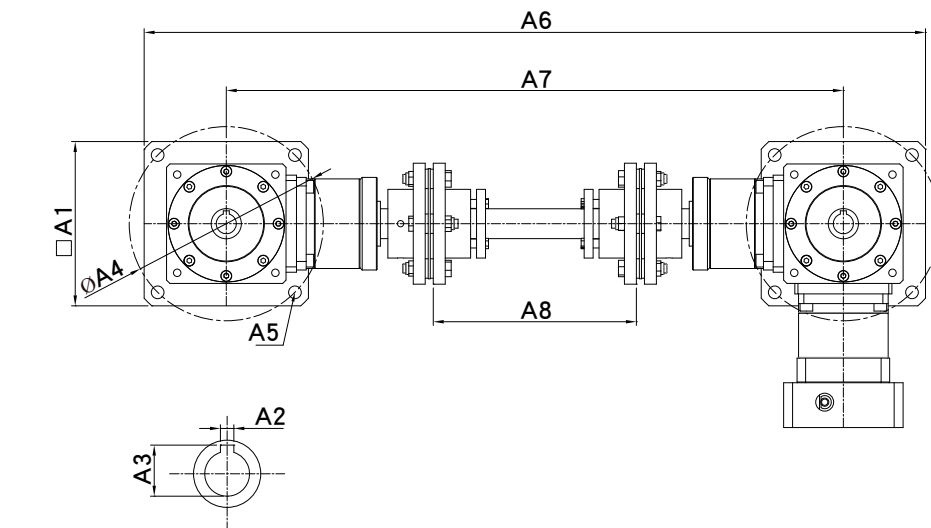
Spec	D1	D2	D3	D4	D5	D6	D7	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G4U	16/20	20/25	61.5	12	70	Effective screw length	Total length	110	59	4-M6	130	4- ϕ 8.5	Depending on customer-selected span		
RB110AS-G4U	25	25/30	61.5/65	23	90			142	74	4-M10	170	4- ϕ 8.5			

Spec	D9	D10	D11	D12	D13	A14
RB080AS-G4U	Depending on customer-selected span			120	145	4- ϕ 8.5
RB110AS-G4U				142	170	4- ϕ 8.5

Notes: 4-shaft screw lifts

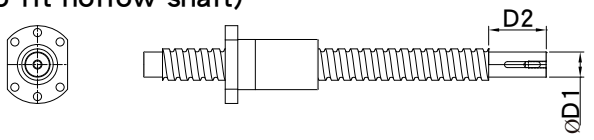
1. Diameter of ball screw (16/20/25)
2. Lead of ball screw (5/10/20/25)
3. Customizable: retrofit flexible covering (tube)
4. Correct dimensions are according to 2D/3D drawings.

RB-G2-CR series: 2-shaft 2-point hollow shaft models – Dimensions Gear ratios 2 – 50



* Dimensions on input side
(depending on the selected motor)

Ball screw: Shoulder modified
(to fit hollow shaft)

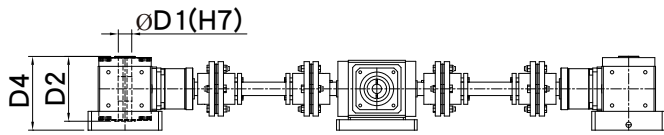
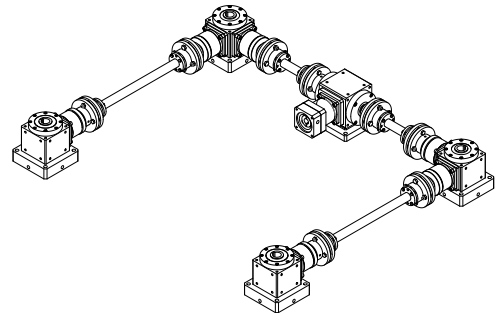
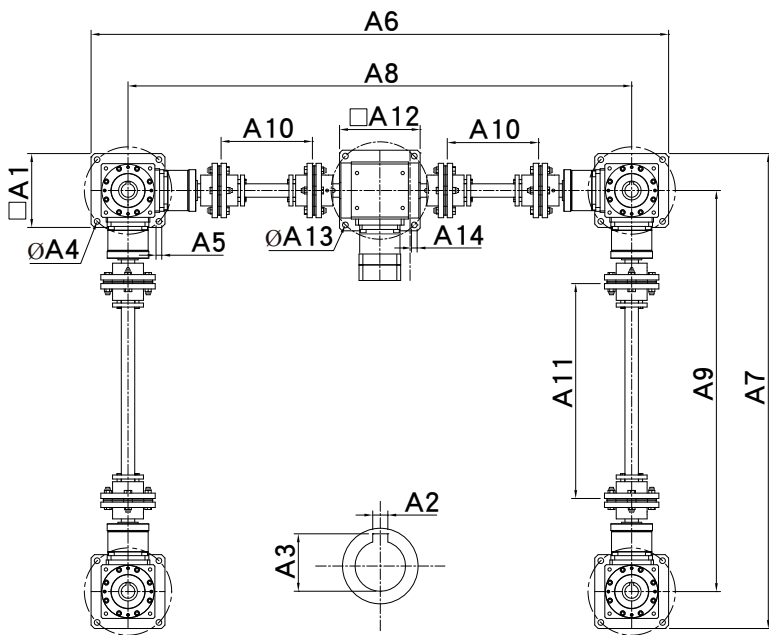


Notes: 2-shaft 2-point lifts - Hollow shaft

1. Diameter of ball screw (16/20/25/32/40/50)
2. Lead of ball screw (5/10/20/25/30/32/40/50)
3. Correct dimensions are according to 2D/3D drawings.

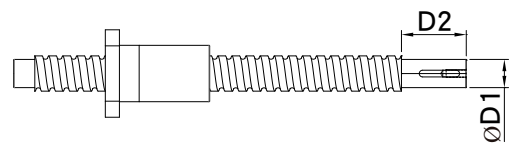
Spec	D1	D2	D3	D4	A1	A2	A3	A4	A5	A6	A7	A8
RB080AS-G2	12-20	96	61.5	109.75	110	Depending on the diameter of modified screw shoulder		130	4- ϕ 8.5	Depending on customer-selected span		
RB110AS-G2	20-30	124	61.5/65	123.5	142			170	4- ϕ 8.5			
RB135AS-G2	32-40	146	94	158	180			215	4- ϕ 13			

RB-G4U-A-CR series: 4-shaft 4-point (hollow shaft) models – Dimensions Gear ratios 2 – 50



* Dimensions on input side
(depending on the selected motor)

Ball screw: Shoulder modified (to fit hollow shaft)

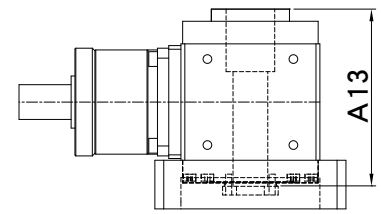
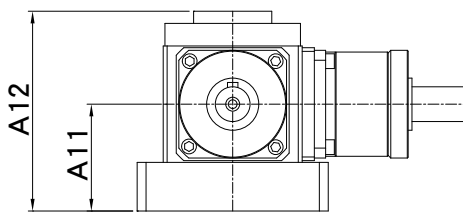
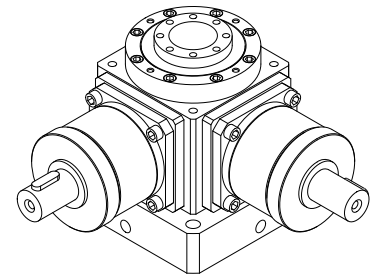
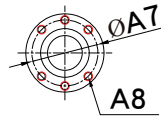
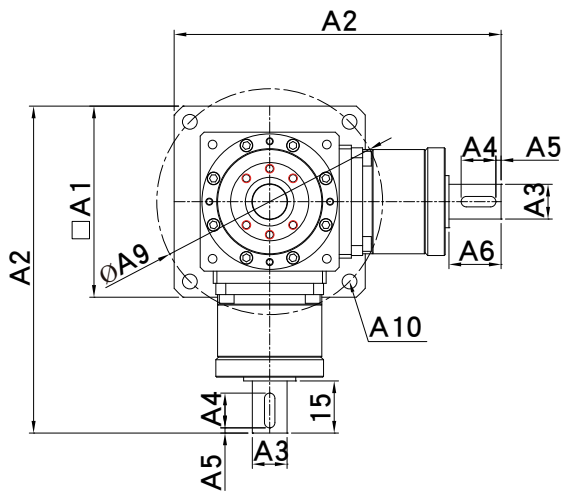


Notes: (4-shaft 4-point lifts - Hollow shaft)

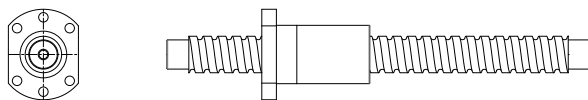
1. Diameter of ball screw (16/20/25/32)
2. Lead of ball screw (5/10/20/25)
3. Correct dimensions are according to 2D/3D drawings.

Spec	D1	D2	D3	D4	A1	A2	A3	A4	A5	A6~A11	A12	A13	A14
RB080AS-G4	12-20	96	61.5	109.75	110	Depending on the diameter of modified screw shoulder		130	4- ϕ 8.5	Depending on customer-selected span	120	130	4- ϕ 8.5
RB110AS-G4	20-30	124	61.5/65	123.5	142		170	4- ϕ 8.5	142		170	4- ϕ 8.5	
RB135AS-G4	32-40	146	94	158	180		215	4- ϕ 13	180		215	4- ϕ 13	

RT-2AX-Z-BS series: for Multi-shaft screw lift models – Dimensions Gear ratios 2 – 5



Ball screw:

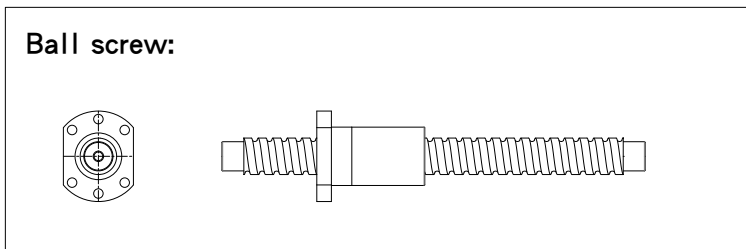
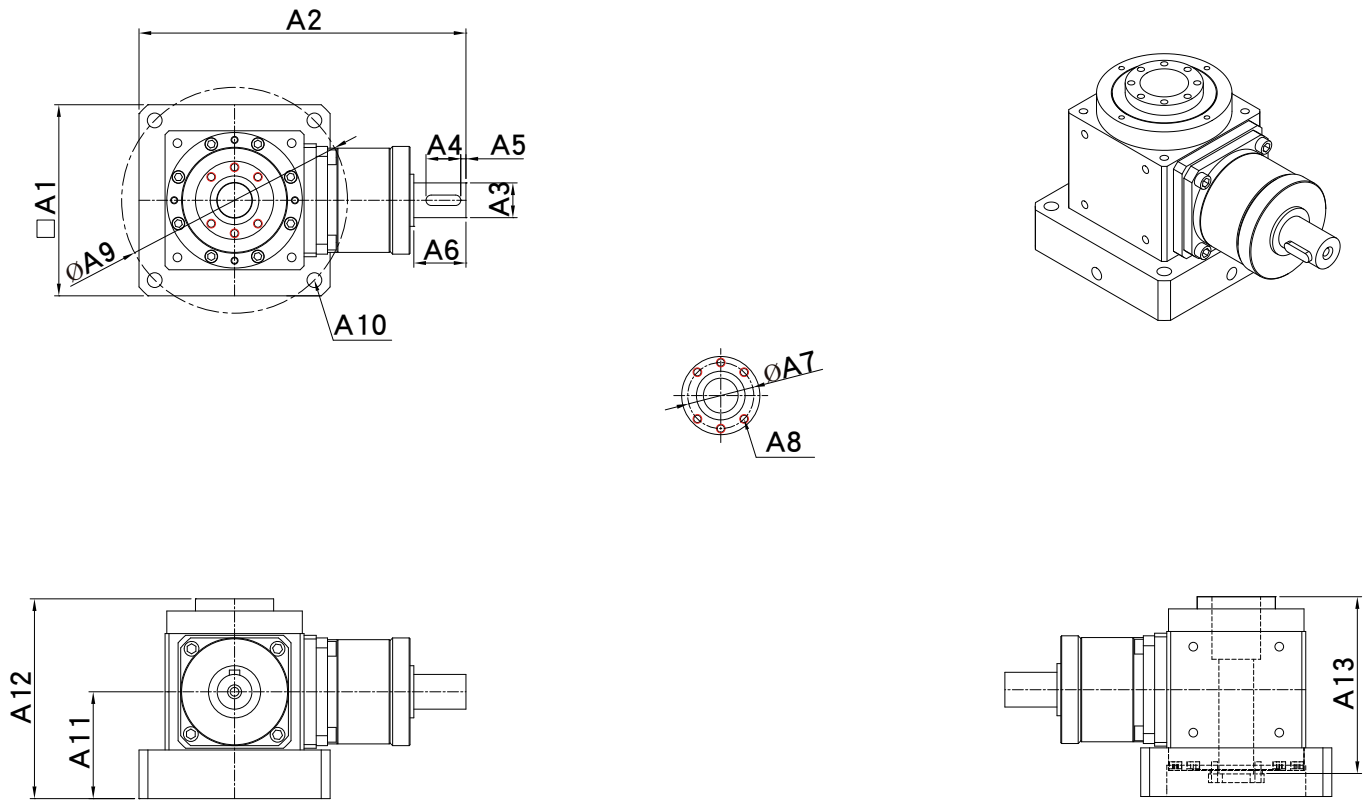


Notes: (for Multi-shaft screw lifts - BS shaft)

1. Diameter of ball screw (16/20/25/32)
2. Lead of ball screw (5/10/20/25/30/32)
3. Correct dimensions are according to 2D/3D drawings.

Spec	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13
RT080AS-2AX-Z	110	188.2	20	20	3	30	Depending on the nut dimension on screw		130	4- ϕ 8.5	61.5	Depending on the nut dimension on screw	
RT110AS-2AX-Z	142	224.5	28	35	3	40			170	4- ϕ 8.5	61.5/65		
RT135AS-2AX-Z	180	300	35	40	3	45			215	4- ϕ 13	94		

RT-BS series: for Multi-shaft screw lift models – Dimensions Gear ratios 2 – 5

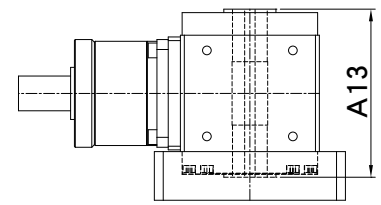
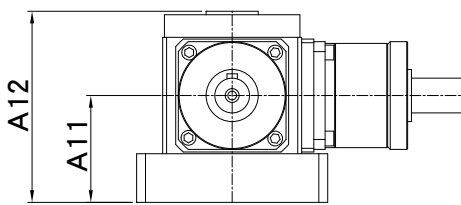
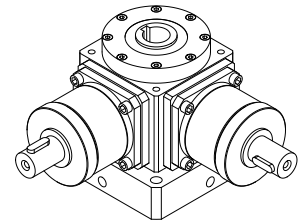
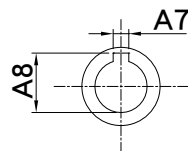
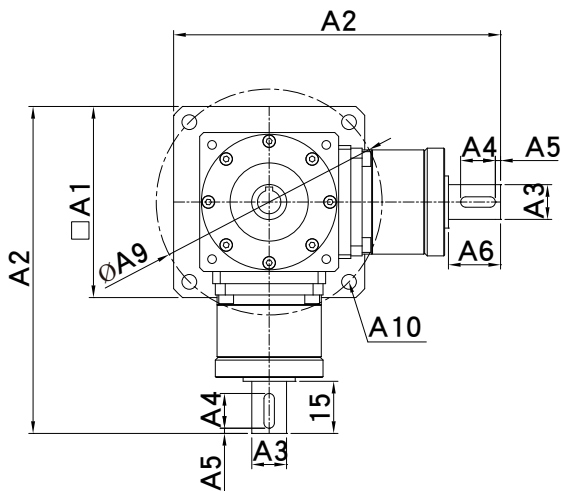


Notes: (for multi-shaft screw lifts - BS shaft)

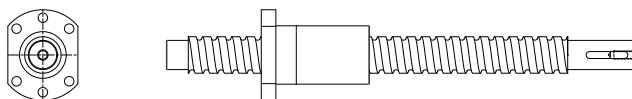
1. Diameter of ball screw (16/20/25/32)
2. Lead of ball screw (5/10/20/25/30/32)
3. Correct dimensions are according to 2D/3D drawings.

Spec	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13
RT080AS-BS	110	188.2	20	20	3	30	Depending on the nut dimension on screw		130	4- ϕ 8.5	61.5	Depending on the nut dimension on screw	
RT110AS-BS	142	224.5	28	35	3	40			170	4- ϕ 8.5	61.5/65		
RT135AS-BS	180	300	35	40	3	45			215	4- ϕ 13	94		

RT-2AX-Z series: Hollow shaft for multi-point lift models – Dimensions Gear ratios 2 – 5



Ball screw: Shoulder modified (to fit hollow shaft)

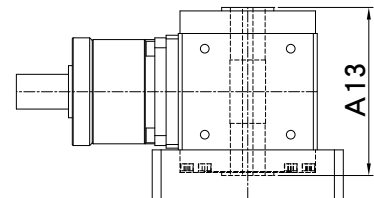
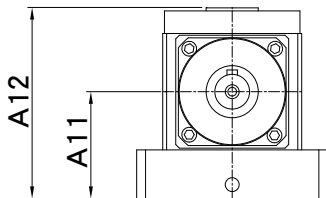
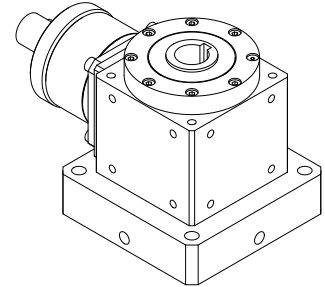
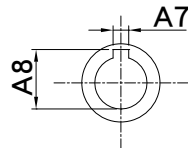
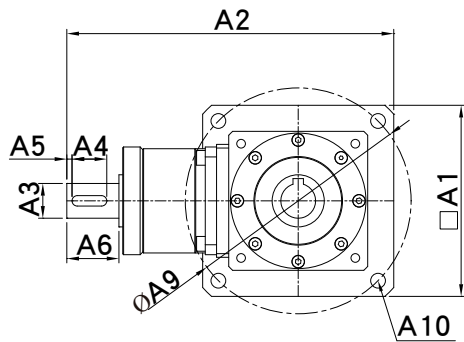


Notes: (for multi-point lift - Hollow shaft)

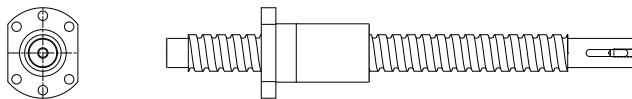
1. Diameter of ball screw (16/20/25/32/40/50)
2. Lead of ball screw (5/10/20/25/30/32/40/50)
3. Correct dimensions are according to 2D/3D drawings.

Spec	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13
RT080AS-2AX-Z	110	188.2	20	20	3	30	Depending on the diameter of modified screw shoulder		130	4- ϕ 8.5	61.5	109.75	96
RT110AS-2AX-Z	142	224.5	28	35	3	40			170	4- ϕ 8.5	61.5/65	123.5	124
RT135AS-2AX-Z	180	300	35	40	3	45			215	4- ϕ 13	94	158	146

RT-CR series: Hollow shaft for multi-point lift models – Dimensions Gear ratios 2 – 5



Ball screw: Shoulder modified (to fit hollow shaft)

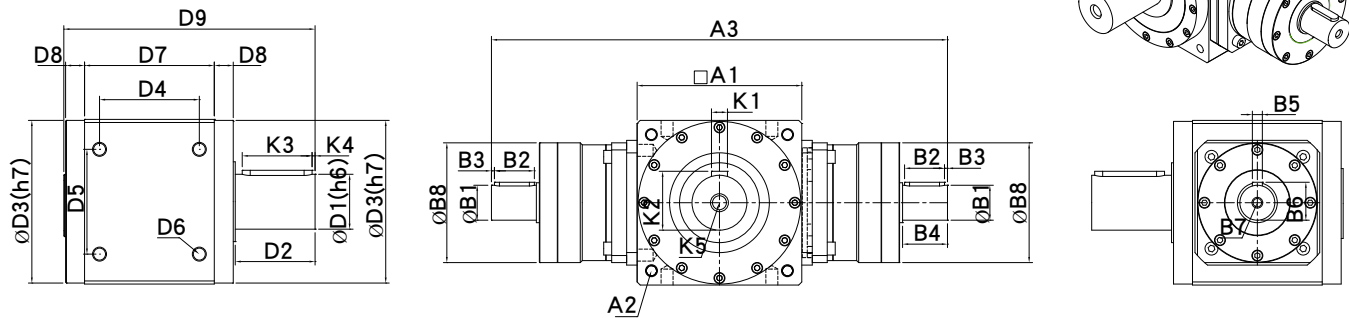
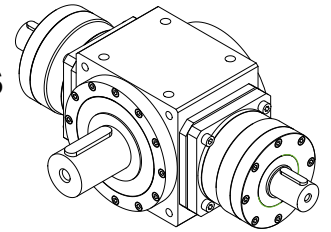


Notes: (for multi-point lift - Hollow shaft)

1. Diameter of ball screw (16/20/25/32/40/50)
2. Lead of ball screw (5/10/20/25/30/32/40/50)
3. Correct dimensions are according to 2D/3D drawings.

Spec	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13
RT080AS-CR-F01	110	188.2	20	20	3	30	Depending on the diameter of modified screw shoulder		130	4- ϕ 8.5	61.5	109.75	96
RT110AS-CR-F01	142	224.5	28	35	3	40			170	4- ϕ 8.5	61.5/65	123.5	124
RT135AS-CR-F01	180	300	35	40	3	45			215	4- ϕ 13	94	158	146

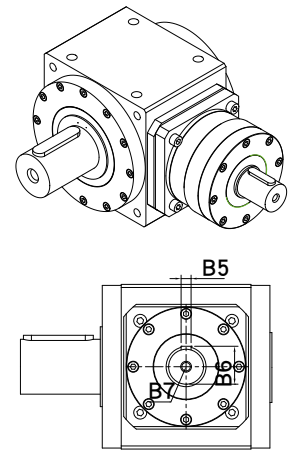
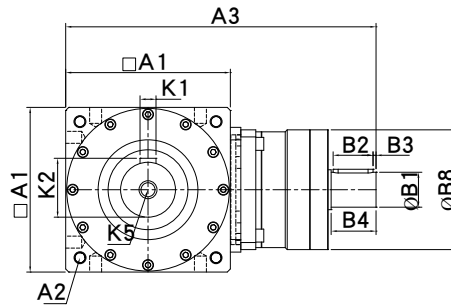
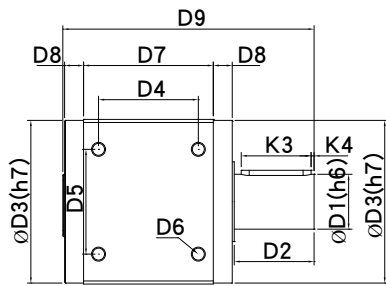
RT-A series (gear ratio 1/1): 2AX-P Single output shaft models – Dimensions



Spec	RT045A	RT070A	RT085A	RT105	RT125A	RT125B	RT150A	RT150B	RT180B
D1	13	16	20	28	32	32	40	40	50
D2	20	30	35	40	50	50	63	63	73
D3	43.2	66	82	100	120	120	135	135	165
D4	36	54	68	80	100	100	120	120	141.42
D5	26	50	52	60	80	80	100	100	141.42
D6	4-M4*P0.7	4-M5*P0.8	4-M6*P1.0	4-M8*P1.25	4-M8*P1.25	4-M8*P1.25	4-M10*P1.5	4-M10*P1.5	4-M12*P1.75
D7	54	70	85	105	125	125	142	142	180
D8	10.5	16.5	15.5	18.5	19.5	19.5	20	20	21
D9	98	137	155	186	218	218	257	257	299
A1	46	70	85	105	125	125	142	142	180
A2	P.C.D φ 53 4-M5*P0.8	P.C.D φ 86 4-M5*P0.8	P.C.D φ 100 4-M6*P1.0	P.C.D φ 118 4-M8*P1.25	P.C.D φ 145 4-M8*P1.25	P.C.D φ 145 4-M8*P1.25	P.C.D φ 185 4-M10*P1.5	P.C.D φ 185 4-M10*P1.5	P.C.D φ 200 4-M12*P1.75
A3 (total length)	209	251.7	275.2	322.5	433	339	550	471.5	570
K1	4	5	6	8	10	10	12	12	14
K2	14.5	18	22.5	31	35	35	43	43	53.5
K3	15	20	25	25	40	30	50	50	60
K4	2.5	3	3.5	3.5	3	3.5	3	3	3
K5	M4	M5	M6	M6	M8	M8	M12	M12	M12
B1	13	16	20	28	35	28	50	35	50
B2	15	20	20	35	40	35	50	40	50
B3	2	3	3	3	3	3	3	3	3
B4	20	27	30	40	45	40	65	45	65
B5	4	5	6	8	10	8	14	10	14
B6	14.5	18	22.5	31	38	31	53.5	38	53.5
B7	M4	M5	M6	M8	M10	M8	M12	M10	M12
B8	49	62	62	95	120	95	147	120	147

1. Actual dimensions are according to the 2D/3D drawings.
2. Continued use for 12 hr/day and longer will decrease the lifespan by 1/2.

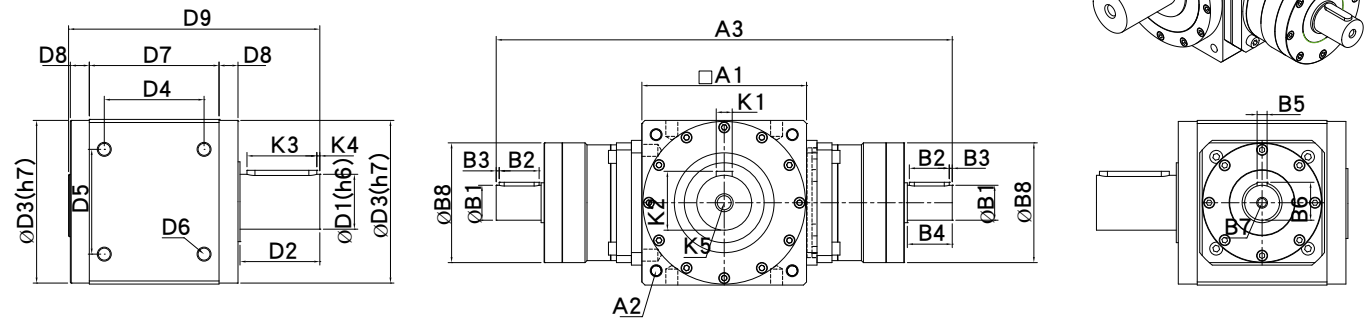
RT-A series (gear ratio 1/1): P Single output shaft models – Dimensions



Spec	RT045A	RT070A	RT085A	RT105	RT125A	RT125B	RT150A	RT150B	RT180B
D1	13	16	20	28	32	32	40	40	50
D2	20	30	35	40	50	50	63	63	73
D3	43.2	66	82	100	120	120	135	135	165
D4	36	54	68	80	100	100	120	120	141.42
D5	26	50	52	60	80	80	100	100	141.42
D6	4-M4*P0.7	4-M5*P0.8	4-M6*P1.0	4-M8*P1.25	4-M8*P1.25	4-M8*P1.25	4-M10*P1.5	4-M10*P1.5	4-M12*P1.75
D7	54	70	85	105	125	125	142	142	180
D8	10.5	16.5	15.5	18.5	19.5	19.5	20	20	21
D9	98	137	155	186	218	218	257	257	299
A1	46	70	85	105	125	125	142	142	180
A2	P.C.D ϕ 53 4-M5*P0.8	P.C.D ϕ 86 4-M5*P0.8	P.C.D ϕ 100 4-M6*P1.0	P.C.D ϕ 118 4-M8*P1.25	P.C.D ϕ 145 4-M8*P1.25	P.C.D ϕ 145 4-M8*P1.25	P.C.D ϕ 185 4-M10*P1.5	P.C.D ϕ 185 4-M10*P1.5	P.C.D ϕ 200 4-M12*P1.75
A3 (total length)	141	159	180	214	279	232	350	311	375
K1	4	5	6	8	10	10	12	12	14
K2	14.5	18	22.5	31	35	35	43	43	53.5
K3	15	20	25	25	40	30	50	50	60
K4	2.5	3	3.5	3.5	3	3.5	3	3	3
K5	M4	M5	M6	M6	M8	M8	M12	M12	M12
B1	13	16	20	28	35	28	50	35	50
B2	15	20	20	35	40	35	50	40	50
B3	2	3	3	3	3	3	3	3	3
B4	20	27	30	40	45	40	65	45	65
B5	4	5	6	8	10	8	14	10	14
B6	14.5	18	22.5	31	38	31	53.5	38	53.5
B7	M4	M5	M6	M8	M10	M8	M12	M10	M12
B8	49	62	62	95	120	95	147	120	147

1. Actual dimensions are according to the 2D/3D drawings.
2. Continued use for 12 hr/day and longer will decrease the lifespan by 1/2.

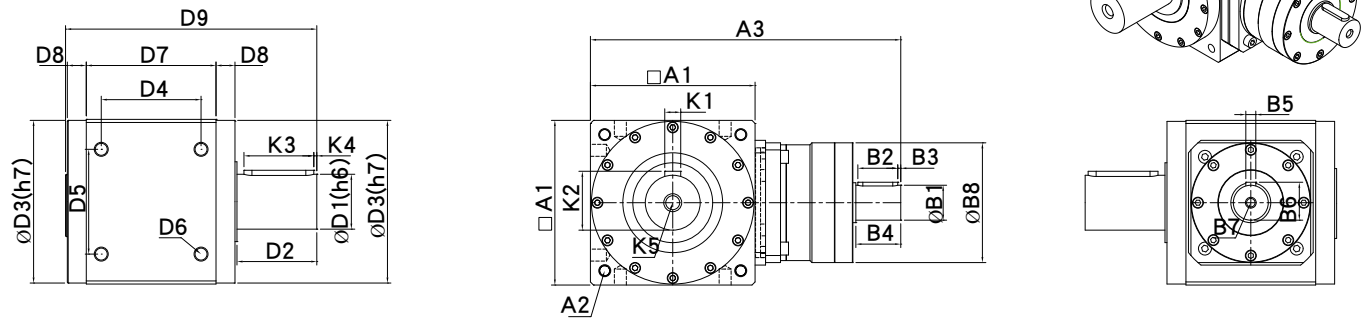
RT-(2AX-P) series (gear ratio 1/2 - 1/5): 2AX-P models – Dimensions



Spec	RT045A	RT080AS	RT110AS	RT135AS	RT135BS	RT165AS	RT165BS	RT200BS
D1	13	20	30	40	40	55	55	75
D2	20	35	45	55	55	80	80	100
D3	43.2	78	106	133	133	163	163	195
D4	36	49.5	68	86	78	106	100	129
D5	26	49.5	65	83	83	105	105	130
D6	4-M4*P0.7	4-M6*P0.8	4-M8*P1.25	4-M10*P1.5	4-M10*P1.5	4-M14*P2.0	4-M14*P2.0	4-M14*P2.0
D7	54	67	90	120	102	142	130	155
D8	10.5	13	15	10	19	13	19	22
D9	98	132	169	201	201	252	252	302
A1	46	80	110	138	135	168	165	200
A2	P.C.D φ 53 4-M5*P0.8	P.C.D φ 93 4-M6*P1.0	P.C.D φ 130 4-M8*P1.25	P.C.D φ 160 4-M10*P1.5	P.C.D φ 160 4-M10*P1.5	P.C.D φ 193 4-M12*P1.75	P.C.D φ 193 4-M12*P1.75	P.C.D φ 240 4-M14*P2.0
A3 (total length)	209	267	307	414.5	340.5	528.5	457	570
K1	4	6	8	12	12	16	16	20
K2	14.5	22.5	33	43	43	59	59	79.5
K3	15	30	35	45	45	70	70	90
K4	2.5	3	5	5	5	3	3	5
K5	M4	M6	M8	M12	M12	M16	M16	M20
B1	13	20	28	35	28	50	35	50
B2	15	20	35	40	35	50	40	50
B3	2	3	3	3	3	3	3	3
B4	20	30	40	45	40	65	45	65
B5	4	6	8	10	8	14	10	14
B6	14.5	22.5	31	38	31	53.5	38	53.5
B7	M4	M6	M8	M10	M8	M12	M10	M12
B8	49	62	95	120	95	147	120	147

1. Actual dimensions are according to the 2D/3D drawings.
2. Continued use for 12 hr/day and longer will decrease the lifespan by 1/2.

RT-AS series (gear ratio 1/2 - 1/5): P Single output shaft models – Dimensions



Spec	RT045A	RT080AS	RT110AS	RT135AS	RT135BS	RT165AS	RT165BS	RT200BS
D1	13	20	30	40	40	55	55	75
D2	20	35	45	55	55	80	80	100
D3	43.2	78	106	133	133	163	163	195
D4	36	49.5	68	86	78	106	100	129
D5	26	49.5	65	83	83	105	105	130
D6	4-M4*P0.7	4-M6*P0.8	4-M8*P1.25	4-M10*P1.5	4-M10*P1.5	4-M14*P2.0	4-M14*P2.0	4-M14*P2.0
D7	54	67	90	120	102	142	130	155
D8	10.5	13	15	10	19	13	19	22
D9	98	132	169	201	201	252	252	302
A1	46	80	110	138	135	168	165	200
A2	P.C.D ϕ 53 4-M5*P0.8	P.C.D ϕ 93 4-M6*P1.0	P.C.D ϕ 130 4-M8*P1.25	P.C.D ϕ 160 4-M10*P1.5	P.C.D ϕ 160 4-M10*P1.5	P.C.D ϕ 193 4-M12*P1.75	P.C.D ϕ 193 4-M12*P1.75	P.C.D ϕ 240 4-M14*P2.0
A3 (total length)	141	173	209	279	232	353.5	311	385
K1	4	6	8	12	12	16	16	20
K2	14.5	22.5	33	43	43	59	59	79.5
K3	15	30	35	45	45	70	70	90
K4	2.5	3	5	5	5	3	3	5
K5	M4	M6	M8	M12	M12	M16	M16	M20
B1	13	20	28	35	28	50	35	50
B2	15	20	35	40	35	50	40	50
B3	2	3	3	3	3	3	3	3
B4	20	30	40	45	40	65	45	65
B5	4	6	8	10	8	14	10	14
B6	14.5	22.5	31	38	31	53.5	38	53.5
B7	M4	M6	M8	M10	M8	M12	M10	M12
B8	49	62	95	120	95	147	120	147

1. Actual dimensions are according to the 2D/3D drawings.
2. Continued use for 12 hr/day and longer will decrease the lifespan by 1/2.