For Servomotors

Precision Planetary Gearbox

Precision type RX-DA/DB series ≦3-5 arc

Standard type RX-B series ≦8-10 arc

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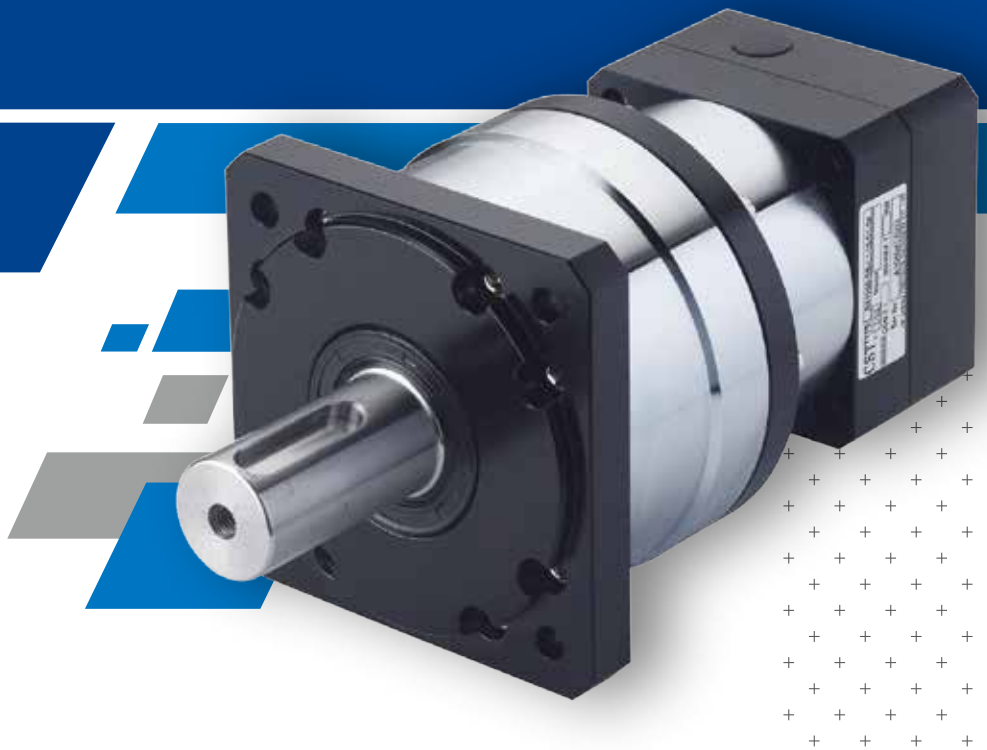

Jia Cheng Precision Co., Ltd.

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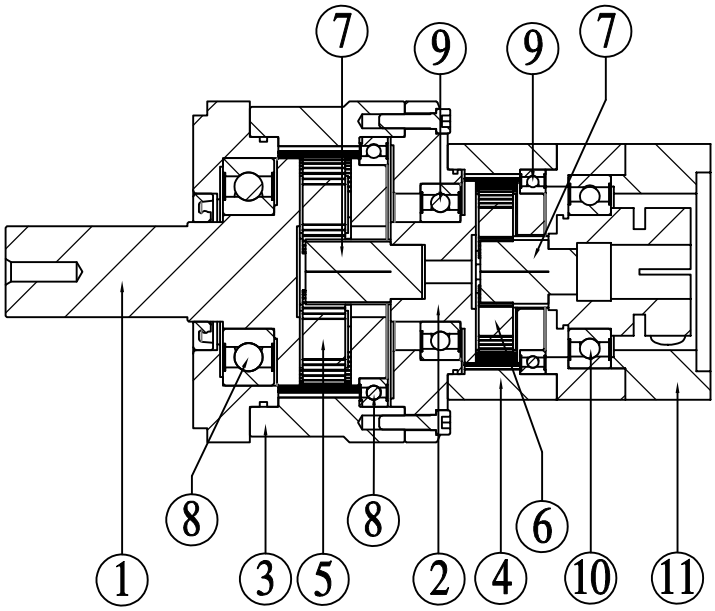
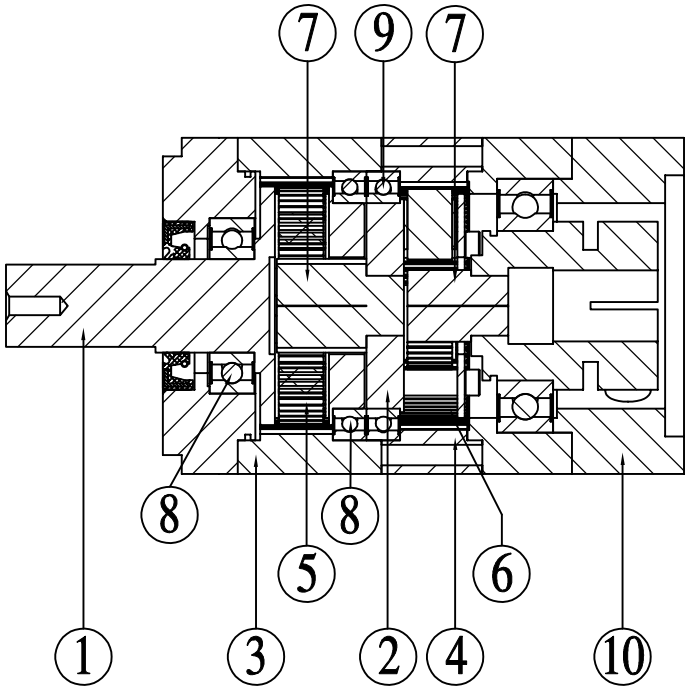
Introduction to RX Planetary Gearbox – Precision Backlash (DA/DB series):



1. High-rigidity Stage-1 dual-support planetary output shaft
2. High-rigidity Stage-2 dual-support planetary shaft
3. Stage-1 main inner ring gear
4. Stage-2 main inner ring gear
5. Stage-1 planetary gear (SCM440)
6. Stage-2 planetary gear (SCM440)
7. Sun gear (SNCM420)
8. Stage-1 supported double bearings
9. Stage-2 supported double bearings
10. High-speed bearing (NSK-DDUCM) for input shaft
11. Input flange (module)

Introduction to RX Planetary Gearbox – Standard Backlash (B series):



1. High-rigidity Stage-1 dual-support planetary output shaft
2. Stage-2 single-support pallet planetary shaft
3. Stage-1 main inner ring gear
4. Stage-2 main inner ring gear
5. Stage-1 planetary gear (SCM440)
6. Stage-2 planetary gear (SCM440)
7. Sun gear (SNCM420)
8. Stage-1 supported double bearings
9. Stage-2 pallet-type double bearings
10. Input flange (module)

Technical data:

Selection by application, impact load and time/(daily) operation condition:

Load	Safety factor (S.F)		Examples of application
	3-10 (hr) / day operation	Over 12(hr) / day operation	
Average load	S.F = 1.0	S.F = 2.0	Conveying machine, machine tool, printing machine, extruder, rubber machine, papermaking machines, electronics & semiconductor machinery, any industrial machine
Light impact	S.F = 1.5	S.F = 2.5	
Heavy impact	S.F = 2.5	S.F = 4.0	

Ex.: In the case of a conveying machine used in 3-10 hr/day operation under average load, with motor of 750W and gear ratio at 1:30, selection is as follows:
For 750W motor, the rated torque 2.4(Nm)*30=*72(Nm)
An RX090DA-L2-30-B1-S7 or RX090B-L2-30-D1-S7 should be selected; if the operation is more than 12 hr/day, an RX120DB-L2-30-D1-S7 or RX120DB-L2-30-D1-S2 should be selected.

Warranty for product and Cautions:

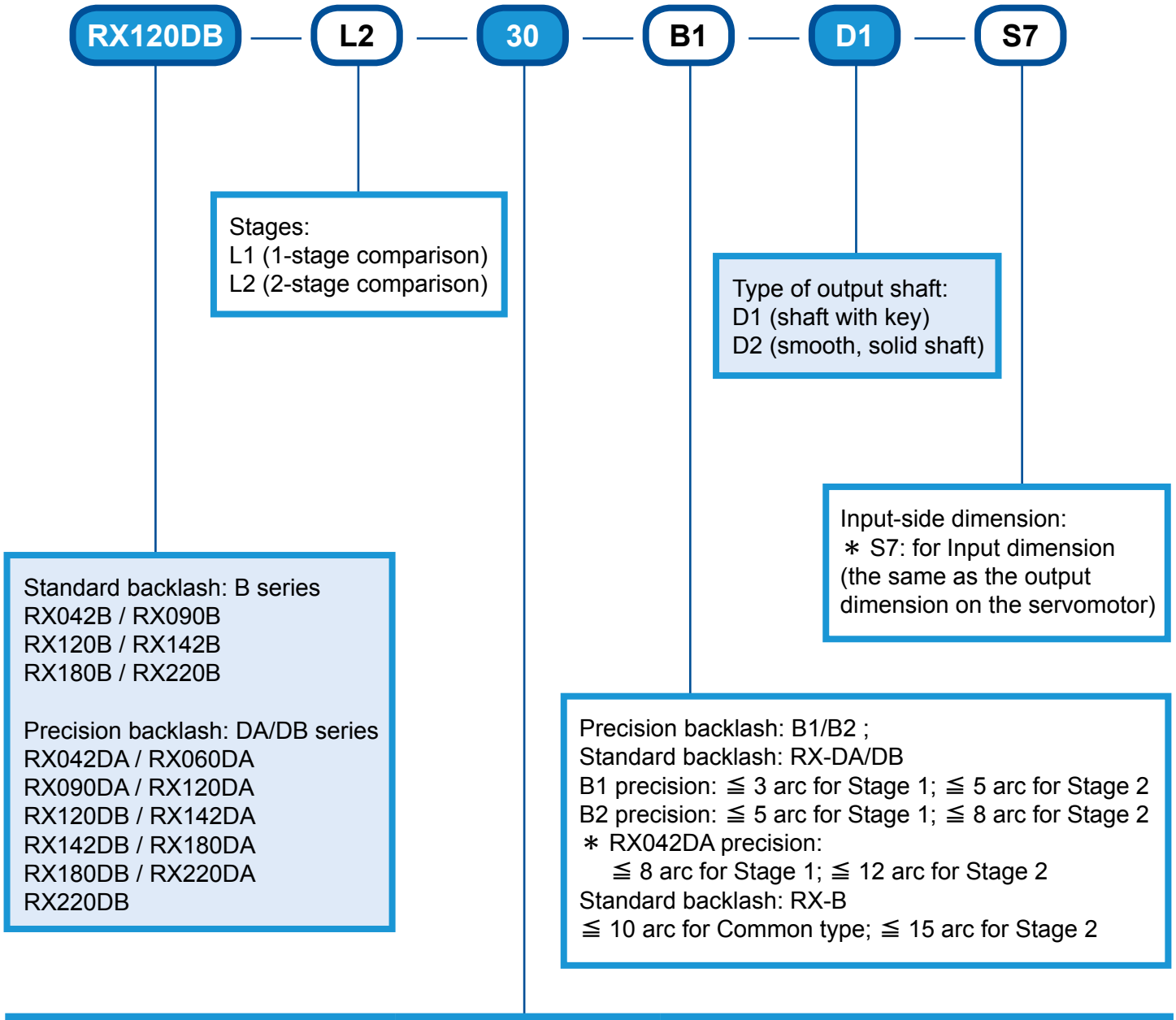
1) Warrantees

a) The period of warranty is 12 months beginning on the day of shipment on the condition of normal use.
b) The warranty does not cover human factors and force majeure.
c) The warranty does not cover any defect due to modification or repair that is not performed by the Manufacturer.
d) The warranty does not cover any defect due to incorrect selection (e.g., a model with too small torque selected).
e) The warranty is for the products made by the Manufacturer and does not cover any other machine or device, or the transport cost.

2) Limited liability

The Manufacturer shall not be held responsible for any special damage, indirect damage or negative damage caused by its products.

Model selection: Precision type – DA/DB series; Standard type - B series



Specs \ Stages	Stage-1 reduction ratio	Stage-2 reduction ratio
RX042B / RX042DA	4,5,7	16,20,25,28,35,49
RX060B / RX060DA	3,4,5,7,10	12,15,16,20,25,28,30,35,40,50,70,100
RX090B / RX090DA	3,4,5,6,7,8,10	12,15,16,20,25,28,30,35,40,50,60,70,80,100
RX120B / RX120DA / RX120DB	3,4,5,6,7,8,9,10	12,15,16,20,25,28,30,35,40,50,60,70,80,100
RX142B / RX142DA / RX142DB	3,4,5,6,7,8,9,10	12,15,16,20,25,28,30,35,40,50,60,70,80,100
RX180B / RX180DA / RX180DB	3,4,5,6,7,10	12,15,16,20,25,28,30,35,40,50,60,70,100
RX220B / RX220DA / RX220DB	4,5,7,10	16,20,25,28,30,35,40,50,70,100

Planetary Reducer Gearbox: Table of Performance and Specification
Precision type (DA/DB series), Standard type (B series)

	Stages	Ratio (i)	RX042B RX042DA	RX060B RX060DA	RX090B RX090DA	RX120B RX120DA RX120DB	RX142B RX142DA RX142DB	RX180B RX180DA RX180DB	RX220B RX220DB
Rated output torque (Nm)	Stage-1 ratio (L1)	3,10		30	85	200	400	900	1650
		4,5	17	50	160	330	650	1200	2350
		6			130	300	580	1100	
		7	14	42	120	280	500	1000	2000
		8			105	250	480		
		9				230	450		
	Stage-2 ratio (L2)	12,15,100		30	85	200	400	900	1650
		16,20,25	17	50	160	330	650	1200	2350
		28,30,35	14	42	130	280	500	1100	2000
		4049,50	14	40	130	260	500	1000	1950
		60			130	280	500	1000	1900
		70		40	120	280	500	1000	1850
		80			105	250	480	1000	
		90				230	450	950	
Max. output torque (Nm)	L1,L2	3~100	3X rated output torque (Nm)						
Rated output/input speed (rpm)	L1,L2	3~100	3000	3000	3000	3000	3000	3000	3000
Standard backlash (arc-min) (RX042B--RX220B)	L1	3~10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 8	≦ 8
	L2	12~100	≦ 15	≦ 15	≦ 15	≦ 15	≦ 15	≦ 15	≦ 12
Precision backlash B1 (arc-min) (RX042DA--RX220DB)	L1	3~10		≦ 3	≦ 3	≦ 3	≦ 3	≦ 3	≦ 3
	L2	12~100		≦ 5	≦ 5	≦ 5	≦ 5	≦ 5	≦ 5
Precision backlash B2 (arc-min) (RX042DA--RX220DB)	L1	3~10	≦ 8	≦ 5	≦ 5	≦ 5	≦ 5	≦ 5	≦ 5
	L2	12~100	≦ 12	≦ 8	≦ 8	≦ 8	≦ 8	≦ 8	≦ 8
Torsional rigidity (Nm/arc-min)	L1,L2	3~100	1.5	15	20	28	51	142	296
Allowed radial force (N)	L1,L2	3~100	500	1300	2800	5500	9000	14200	27000
Allowed axial force (N)	L1,L2	3~100	250	650	1400	2750	4500	7100	13500
Efficiency (%)	L1	3~10	96%						
	L2	12~100	93%						
Weight (kg) (RX042B--RX220B)	L1	3~10	0.9	1.6	4.5	8.0	17.0	35.0	62.0
	L2	12~100	1.5	2.0	6.0	11.0	22.0	43.0	80.0
Temperature of use (C)	L1,L2	3~100	-10℃～ +80℃						
Lubrication	L1,L2	3~100	Synthetic lubricants						
Direction of installation (specified when input shaft faces down)	L1,L2	3~100	Any direction						
Level of noise (dB)	L1,L2	3~100	≦ 62	≦ 65	≦ 67	≦ 68	≦ 70	≦ 73	≦ 75

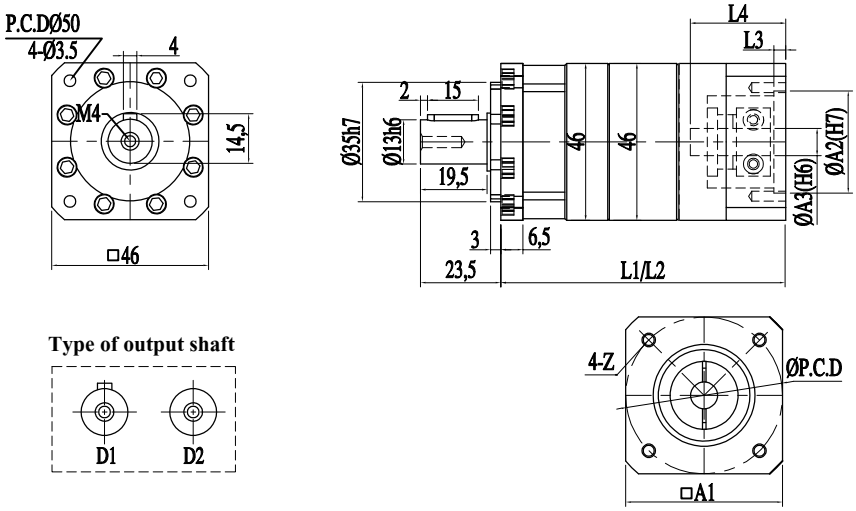
(1)Noise level measured (with gauge 1M to gearbox):
Gear ratio (3-100); rotation at 2500
(2)Backlash measured (with 2% rated torque)
(3)Torque: determined by AMTEC INE
(4)Durability decreases to 1/2 if used continuously for (12 hr/day)
(5)If not remarked, numbers given apply to whole series

Rotational inertia of gearbox:

Spec	Reduction ratio (i)	RX042B RX042DA	RX060B RX060DA	RX090B RX090DA	RX120B RX120DA RX120DB	RX142B RX142DA RX142DB	RX180B RX180DA RX180DB	RX220B RX220DB
Stage-1 ratio (L1) (kgf-cm)	3		0.56	3.92	6.28	14.83	33.21	85.20
	4,5,6,7	0.032	0.47	3.75	5.64	11.85	29.25	76.25
	8,9,10		0.43	3.70	5.12	10.25	25.16	73.65
Stage-2 ratio (L2) (kgf-cm)	12,15		0.56	3.92	6.28	14.83	33.21	85.20
	16,20,25,30,35	0.032	0.47	3.75	5.64	11.85	29.25	76.25
	40,49,50,60,70,80,90,100	0.032	0.43	3.70	5.12	10.25	25.16	73.65

Dimensions of Planetary gearbox (Precision backlash – DA/DB series):

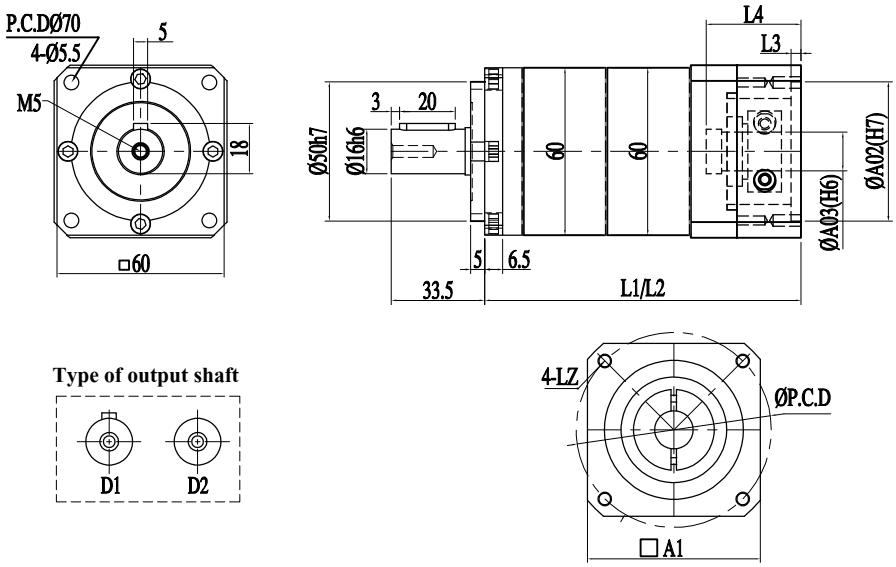
Model : RX042DA



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	46	30	08	45	M3	63.35	83.35	3.5	28
S2	46	30	08	46	M4	63.35	83.35	3.5	28
Y01	46	22	05	43.8	Ø3.5	63.35	83.35	3.5	28
Y02	60	38.1	08	66.7	M4	66.35			

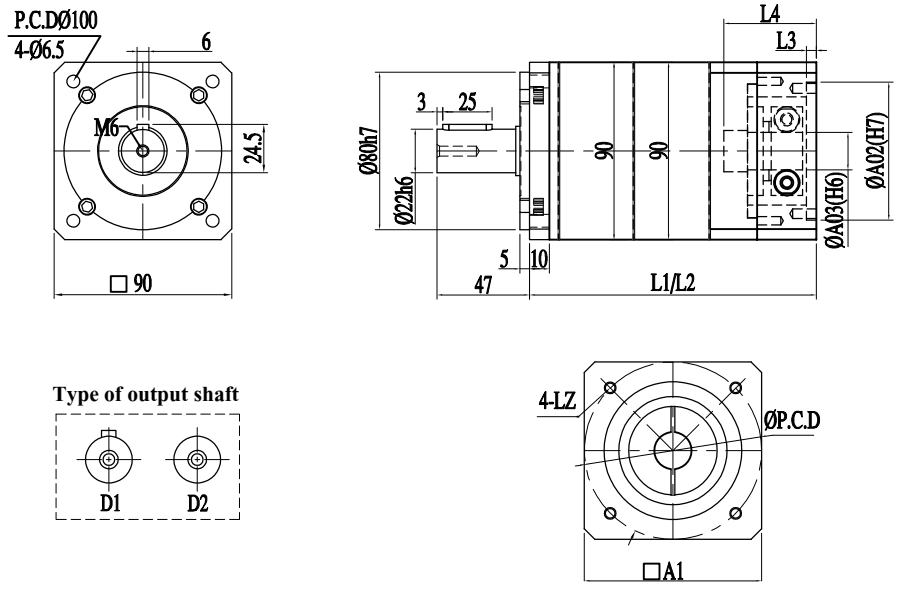
Model : RX060DA



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	62	30	08	45	M3	82.5	113.5	3.5	34
S2	62	30	08	46	M4	82.5	113.5	3.5	34
S3	62	50	11	70	M4	82.5	113.5	3.5	34
S4	62	50	14	70	M4	82.5	113.5	3.5	34
S5	62	50	14	70	M5	82.5	113.5	3.5	34
S6	80	70	14	90	M5	82.5	113.5	3.5	34
S7	80	70	14	90	M6	82.5	113.5	3.5	34
S8	62	38.1	6.35	66.7	M4	82.5	113.5	3.5	34
Y01	62	38.1	08	66.7	M4	82.5	113.5	3.5	34
Y02	62	38.1	10	66.7	M4	82.5	113.5	3.5	34
Y03	62	36	08	70.7	M4	82.5	113.5	3.5	34
Y04	62	36	10	70.7	M4	82.5	113.5	3.5	34
Y05	62	40	09	63	M5	82.5	113.5	3.5	34
Y06	70	60	11	75	M5	82.5	113.5	3.5	34
Y07	80	70	19	90	M6	89.5		4	41

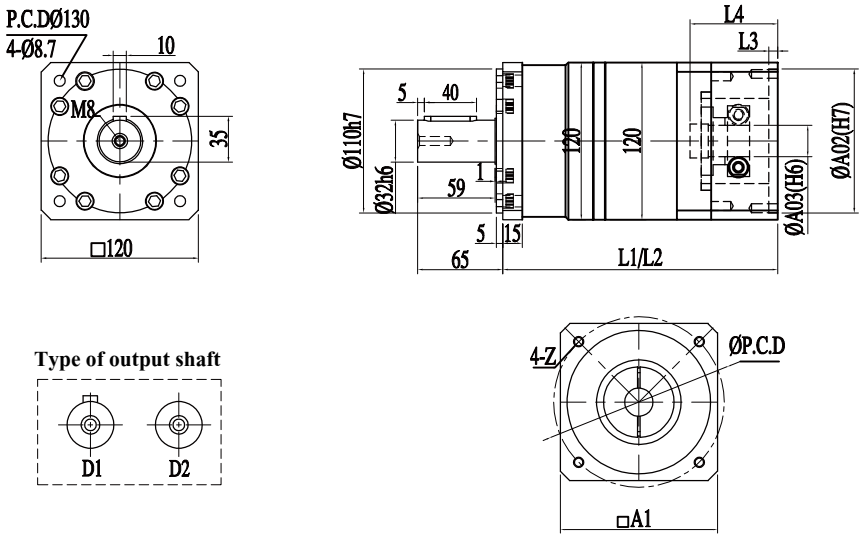
Model : RX090DA



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	90	50	11	70	M4	107	146	5	46
S2	90	50	14	70	M4	107	146	5	46
S3	90	50	14	70	M5	107	146	5	46
S4	90	70	14	90	M5	107	146	5	46
S5	90	70	14	90	M6	107	146	5	46
S6	90	70	16	90	M6	107	146	5	46
S7	90	70	19	90	M6	107	146	5	46
S8	90	80	16	100	M6	107	146	5	46
S9	120	110	19	145	M8	129		6	67
S10	120	110	22	145	M8	129		6	67
S11	120	110	24	145	M8	129		6	67
Y01	90	73	12.7	98.4	M5	107	146	5	46
Y02	90	73	14	98.4	M6	107	146	5	46
Y03	90	60	14	99	M6	107	146	5	46
Y04	100	95	19	115	M8	122	161	5	61
Y05	100	95	22	115	M8	122	161	5	61
Y06	100	95	24	115	M8	122	161	5	61

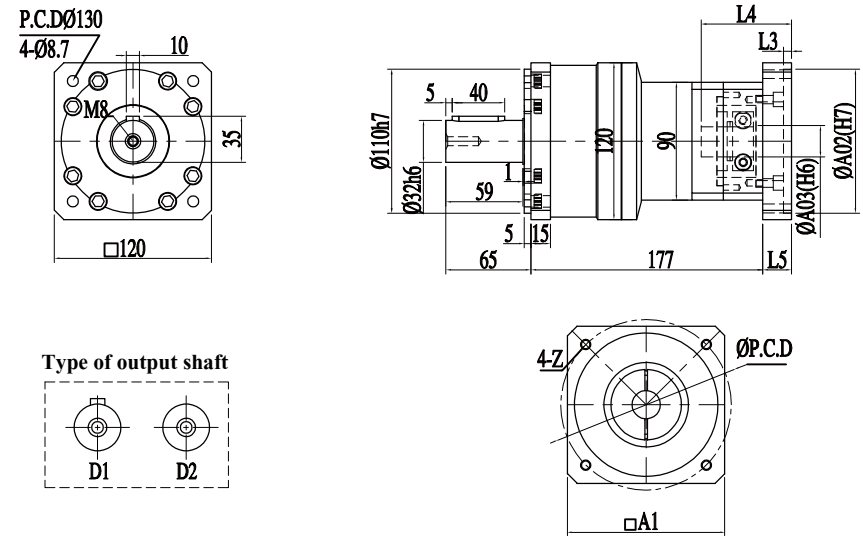
Model : RX120DA



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	120	70	16	90	M6	136	200	6	57
S2	120	70	19	90	M6	136	200	6	57
S3	120	80	16	100	M6	136	200	6	57
S4	120	95	24	115	M6	136	200	6	57
S5	120	95	24	115	M8	136	200	6	57
S6	120	110	19	130	M8	146	210	6	67
S7	120	110	19	145	M8	146	210	6	67
S8	120	110	22	145	M8	146	210	6	67
S9	120	110	24	145	M8	146	210	6	67
S10	120	110	28	145	M8	146	210	6	67
Y01	120	95	19	115	M8	136	200	6	57
Y02	120	95	22	115	M8	136	200	6	57
Y03	120	110	22	130	M8	146	210	6	67
Y04	120	110	24	130	M8	146	210	6	67
Y05	142	130	19	165	M10	146		6	67
Y06	142	130	24	165	M10	146		6	67
Y07	178	114.3	35	200	M12	169		6	89

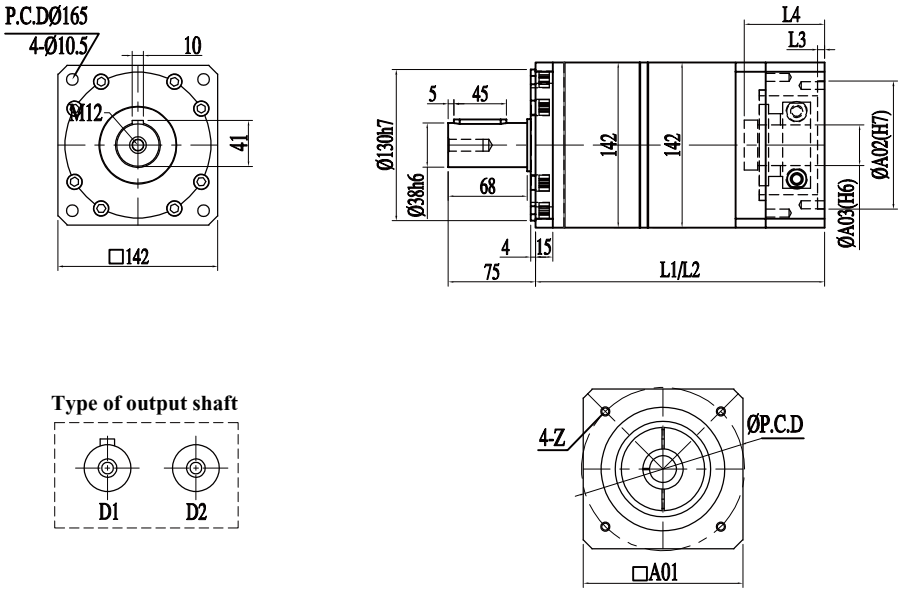
Model : RX120DB-L2 (2-stage)



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L3	L4	L5
S1	90	50	11	70	M4	5	47	
S2	90	50	14	70	M4	5	47	
S3	90	50	14	70	M5	5	47	
S4	90	70	14	90	M5	5	47	
S5	90	70	14	90	M6	5	47	
S6	90	70	16	90	M6	5	47	
S7	90	70	19	90	M6	5	47	
S8	90	80	16	100	M6	5	47	
S9	120	110	19	145	M8	6	69	22
S10	120	110	22	145	M8	6	69	22
S11	120	110	24	145	M8	6	69	22
Y01	90	73	12.7	98.4	M5	5	47	
Y02	90	73	14	98.4	M6	5	57	
Y03	90	60	14	99	M6	5	47	
Y04	100	95	19	115	M8	6	61	14
Y05	100	95	22	115	M8	6	61	14
Y06	100	95	24	115	M8	6	61	14

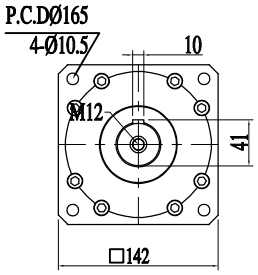
Model : RX142DA

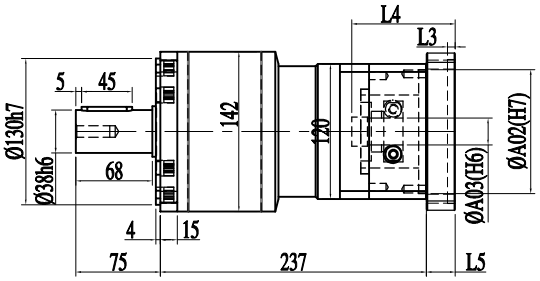


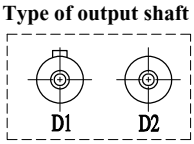
Dimensions of input flange/shaft:

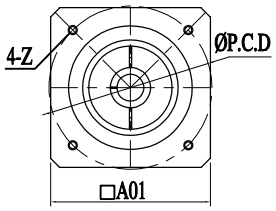
Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	142	95	24	115	M6	167	249	6	69
S2	142	95	24	115	M8	167	249	6	69
S3	142	110	19	145	M8	167	249	6	69
S4	142	110	22	145	M8	167	249	6	69
S5	142	110	274	145	M8	167	249	6	69
S6	142	110	28	145	M8	167	249	6	69
S7	178	114.3	35	200	M12	189	271	6	91
S8	142	130	32	165	M10	167	249	6	69
Y01	142	95	19	115	M8	167	249	6	69
Y02	142	95	22	115	M8	167	249	6	69
Y03	142	110	19	130	M8	167	249	6	69
Y04	142	110	22	130	M8	167	249	6	69
Y05	142	110	24	130	M8	167	249	6	69
Y06	142	130	19	165	M10	167	249	6	69
Y07	142	130	24	165	M10	167	249	6	69
Y08	196	180	32	215	M12	189	271	6	91
Y09	196	180	38	215	M12	189	271	6	91

Model : RX142DB-L2 (2-stage)





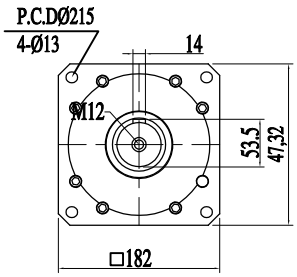


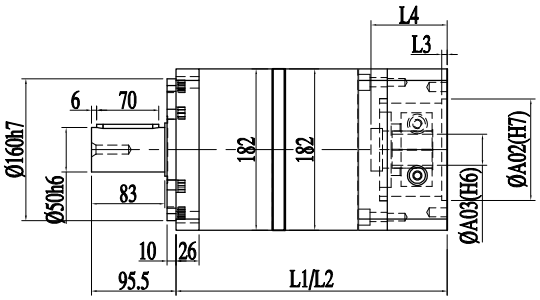


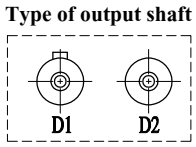
Dimensions of input flange/shaft:

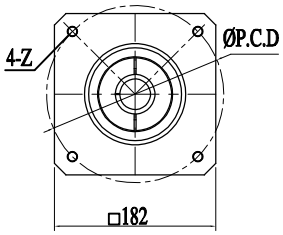
Denotation	A1	A2	A3	P.C.D	4-Z	L3	L4	L5
S1	120	70	16	90	M6	6	57	
S2	120	70	19	90	M6	6	57	
S3	120	80	16	100	M6	6	57	
S4	120	95	24	115	M6	6	57	
S5	120	110	24	115	M8	6	57	
S6	120	110	19	130	M8	6	67	
S7	120	110	19	145	M8	6	67	
S8	120	110	22	145	M8	6	67	
S9	120	110	24	145	M8	6	67	
S10	120	110	28	145	M8	6	67	
Y01	120	95	19	115	M8	6	57	
Y02	120	95	22	115	M8	6	57	
Y03	120	110	22	130	M8	6	67	
Y04	120	110	24	130	M8	6	67	
Y05	142	130	19	165	M10	6	67	
Y06	142	130	24	165	M10	6	67	
Y07	178	114.3	35	200	M12	6	89	22

Model : RX180DA





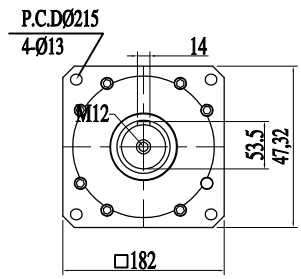


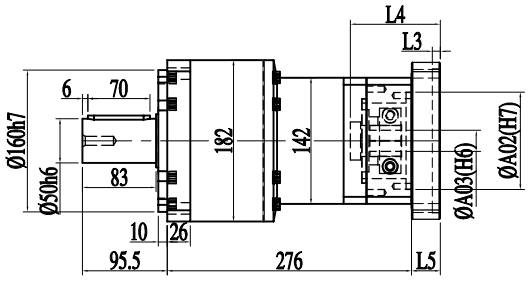


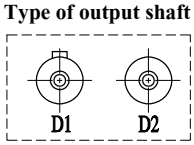
Dimensions of input flange/shaft:

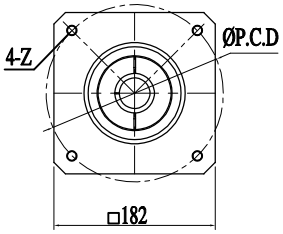
Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	182	110	19	145	M8	209	306	10	86
S2	182	110	22	145	M8	209	306	10	86
S3	182	110	24	145	M8	209	306	10	86
S4	182	110	28	145	M8	209	306	10	86
S5	182	114.3	35	200	M12	209	306	6	86
S6	182	114.3	42	200	M12	244	341	6	121
S7	182	130	32	165	M10	209	306	6	86
S8	196	180	38	215	M12	231	328	5	108
S9	220	200	42	235	M12	244		6	121
S10	220	200	55	235	M12	241		6	121
Y01	182	130	19	165	M10	209	306	6	86
Y02	182	130	24	165	M10	209	306	6	86
Y03	196	180	28	215	M12	231	328	5	108
Y04	196	180	32	215	M12	231	328	5	108
Y05	196	180	42	215	M12	231		5	108

Model : RX180DB-L2 (2-stage)





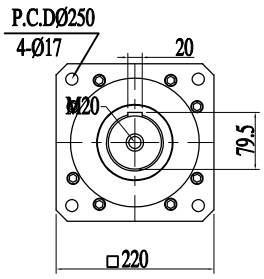


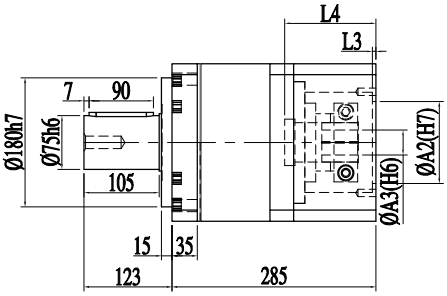


Dimensions of input flange/shaft:

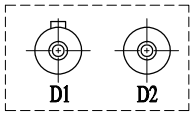
Denotation	A1	A2	A3	P.C.D	4-Z	L3	L4	L5
S1	142	95	24	115	M6	6	69	
S2	142	95	24	115	M8	6	69	
S3	142	110	19	145	M8	6	69	
S4	142	110	22	145	M8	6	69	
S5	142	110	24	145	M8	6	69	
S6	142	110	28	145	M8	6	69	
S7	178	114.3	35	200	M12	6	91	22
S8	142	130	32	165	M10	6	69	
Y01	142	95	19	115	M8	6	69	
Y02	142	95	22	115	M8	6	69	
Y03	142	110	19	130	M8	6	69	
Y04	142	110	22	130	M8	6	69	
Y05	142	110	24	130	M8	6	69	
Y06	142	130	19	165	M10	6	69	
Y07	142	130	24	165	M10	6	69	
Y08	196	180	32	215	M12	6	91	22
Y09	196	180	38	215	M12	6	91	22

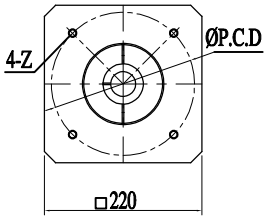
Model : RX220DA-L1 (1-stage)





Type of output shaft

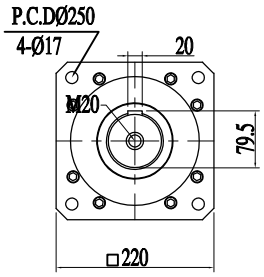


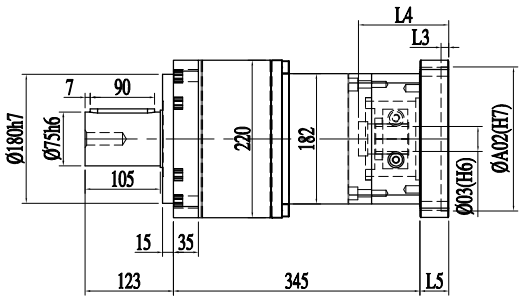


Dimensions of input flange/shaft:

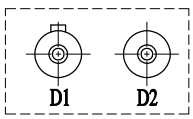
Denotation	A1	A2	A3	P.C.D	4-Z	L1	L3	L4
S1	220	114.3	35	200	M12	285	5	127
S2	220	114.3	42	200	M12	285	5	127
S3	220	180	38	215	M12	285	5	127
S4	220	180	42	215	M12	285	5	127
S5	220	200	42	235	M12	285	5	127
S6	220	200	55	235	M12	285	5	127
S7	250	230	55	265	M12	315	6	157

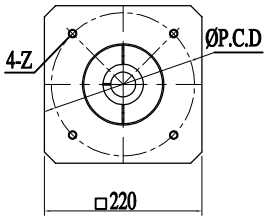
Model : RX220DB-L2 (2-stage)





Type of output shaft



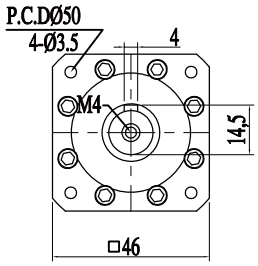


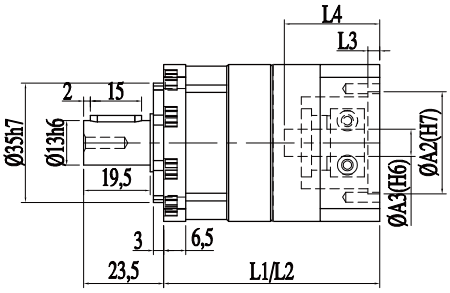
Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L3	L4	L5
S1	182	110	19	145	M8	10	86	
S2	182	110	22	145	M8	10	86	
S3	182	110	24	145	M8	10	86	
S4	182	110	28	145	M8	10	86	
S5	182	114.3	35	200	M12	6	86	
S6	182	114.3	42	200	M12	6	121	35
S7	182	130	32	165	M10	6	86	
S8	196	180	38	215	M12	5	108	22
S9	220	200	42	235	M12	6	121	35
S10	220	200	55	235	M12	6	121	35
Y01	182	130	19	165	M10	6	86	
Y02	182	130	24	165	M10	6	86	
Y03	196	180	28	215	M12	5	108	22
Y04	196	180	32	215	M12	5	108	22
Y05	196	180	42	215	M12	5	108	22

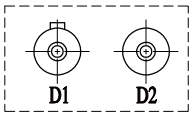
Dimensions of Planetary gearbox (Standard backlash – B series):

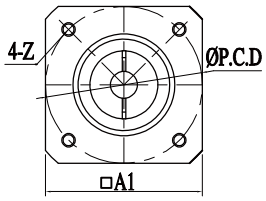
Model : RX042B





Type of output shaft

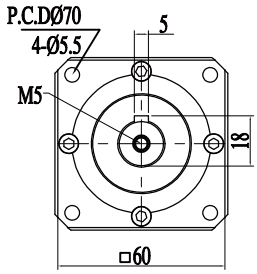


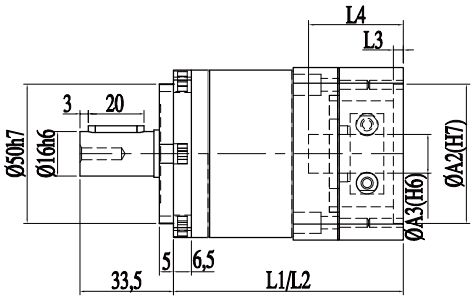


Dimensions of input flange/shaft:

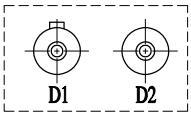
Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	46	30	08	45	M3	63.35	83.35	3.5	28
S2	46	30	08	46	M4	63.35	83.35	3.5	28
Y01	46	22	05	43.8	Ø3.5	63.35	83.35	3.5	28
Y02	60	38.1	08	66.7	M4	66.35			

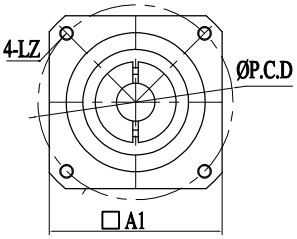
Model : RX060B





Type of output shaft

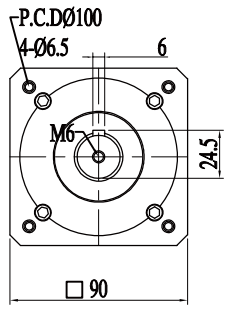


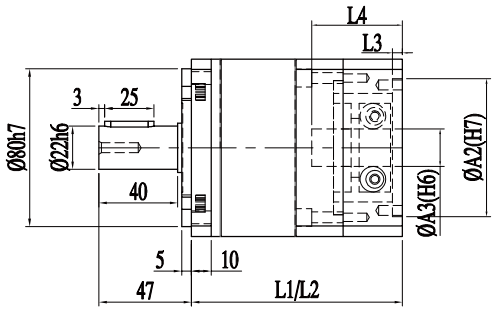


Dimensions of input flange/shaft:

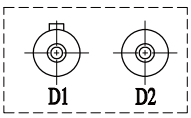
Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	62	30	08	45	M3	82.5	103.5	3.5	34
S2	62	30	08	46	M4	82.5	103.5	3.5	34
S3	62	50	11	70	M4	82.5	103.5	3.5	34
S4	62	50	14	70	M4	82.5	103.5	3.5	34
S5	62	50	14	70	M5	82.5	103.5	3.5	34
S6	80	70	14	90	M5	82.5	103.5	3.5	34
S7	80	70	14	90	M6	82.5	103.5	3.5	34
S8	62	38.1	6.35	66.7	M4	82.5	103.5	3.5	34
Y01	62	38.1	08	66.7	M4	82.5	103.5	3.5	34
Y02	62	38.1	10	66.7	M4	82.5	103.5	3.5	34
Y03	62	36	08	70.7	M4	82.5	103.5	3.5	34
Y04	62	36	10	70.7	M4	82.5	103.5	3.5	34
Y05	62	40	09	63	M5	82.5	103.5	3.5	34
Y06	70	60	11	75	M5	82.5	103.5	3.5	34
Y07	80	70	19	90	M6	89.5		4	41

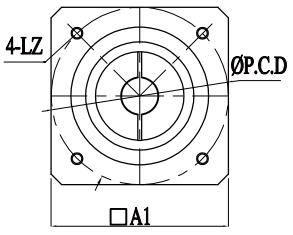
Model : RX090B





Type of output shaft

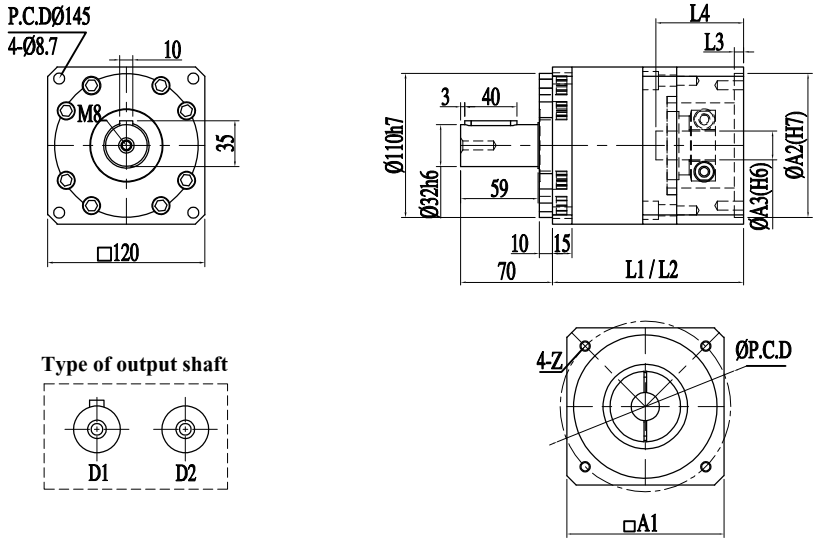




Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	90	50	11	70	M4	107	134	5	46
S2	90	50	14	70	M4	107	134	5	46
S3	90	50	14	70	M5	107	134	5	46
S4	90	70	14	90	M5	107	134	5	46
S5	90	70	14	90	M6	107	134	5	46
S6	90	70	16	90	M6	107	134	5	46
S7	90	70	19	90	M6	107	134	5	46
S8	90	80	16	100	M6	107	134	5	46
S9	120	110	19	145	M8	129		6	67
S10	120	110	22	145	M8	129		6	67
S11	120	110	24	145	M8	129		6	67
Y01	90	73	12.7	98.4	M5	107	134	5	46
Y02	90	73	14	98.4	M6	107	134	5	46
Y03	90	60	14	99	M6	107	134	5	46
Y04	100	95	19	115	M8	122	149	5	61
Y05	100	95	22	115	M8	122	149	5	61
Y06	100	95	24	115	M8	122	149	5	61

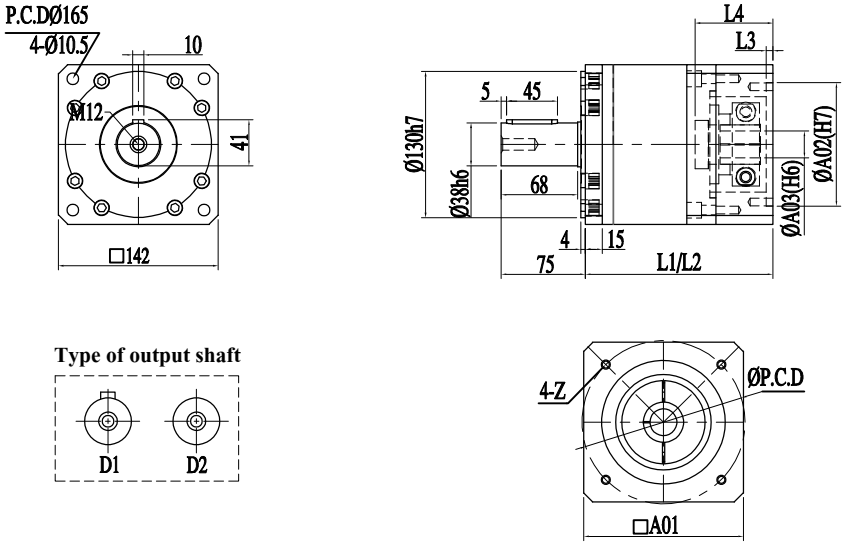
Model : RX120B



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	120	70	16	90	M6	136	168	6	57
S2	120	70	19	90	M6	136	168	6	57
S3	120	80	16	100	M6	136	168	6	57
S4	120	95	24	115	M6	136	168	6	57
S5	120	95	24	115	M8	136	168	6	57
S6	120	110	19	130	M8	146	178	6	67
S7	120	110	19	145	M8	146	178	6	67
S8	120	110	22	145	M8	146	178	6	67
S9	120	110	24	145	M8	146	178	6	67
S10	120	110	28	145	M8	146	178	6	67
Y01	120	95	19	115	M8	136	168	6	57
Y02	120	95	22	115	M8	136	168	6	57
Y03	120	110	22	130	M8	146	178	6	67
Y04	120	110	24	130	M8	146	178	6	67
Y05	142	130	19	165	M10	146	178	6	67
Y06	142	130	24	165	M10	146	178	6	67
Y07	178	114.3	35	200	M12	169		6	89

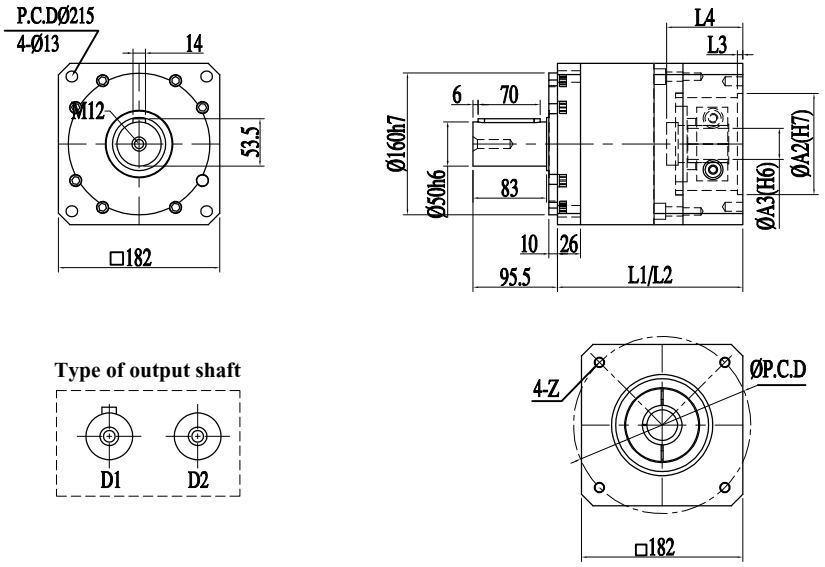
Model : RX142B



Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	142	95	24	115	M6	167	213	6	69
S2	142	95	24	115	M8	167	213	6	69
S3	142	110	19	145	M8	167	213	6	69
S4	142	110	22	145	M8	167	213	6	69
S5	142	110	24	145	M8	167	213	6	69
S6	142	110	28	145	M8	167	213	6	69
S7	178	114.3	35	200	M12	189	235	6	91
S8	142	130	32	165	M10	167	213	6	69
Y01	142	95	19	115	M8	167	213	6	69
Y02	142	95	22	115	M8	167	213	6	69
Y03	142	110	19	130	M8	167	213	6	69
Y04	142	110	22	130	M8	167	213	6	69
Y05	142	110	24	130	M8	167	213	6	69
Y06	142	130	19	165	M10	167	213	6	69
Y07	142	130	24	165	M10	167	213	6	69
Y08	196	180	32	215	M12	189	235	6	91
Y09	196	180	38	215	M12	189	235	6	91

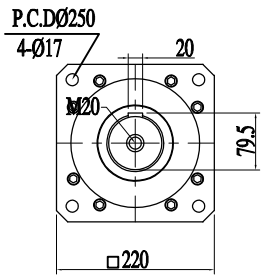
Model : RX180B

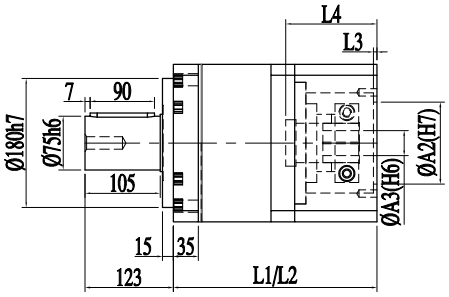


Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	182	110	19	145	M8	209	256	10	86
S2	182	110	22	145	M8	209	256	10	86
S3	182	110	24	145	M8	209	256	10	86
S4	182	110	28	145	M8	209	256	10	86
S5	182	114.3	35	200	M12	209	256	6	86
S6	182	114.3	42	200	M12	244	291	6	121
S7	182	130	32	165	M10	209	256	6	86
S8	196	180	38	215	M12	231	278	5	108
S9	220	200	42	235	M12	244		6	121
S10	220	200	55	235	M12	241		6	121
Y01	182	130	19	165	M10	209	256	6	86
Y02	182	130	24	165	M10	209	256	6	86
Y03	182	180	28	215	M12	231	278	5	108
Y04	182	180	32	215	M12	231	278	5	108
Y05	182	180	42	215	M12	231		5	108

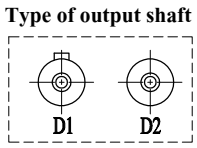
Model : RX220B

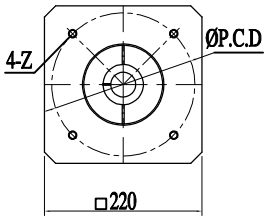




Dimensions of input flange/shaft:

Denotation	A1	A2	A3	P.C.D	4-Z	L1	L2	L3	L4
S1	220	114.3	35	200	M12	285	356	5	127
S2	220	114.3	42	200	M12	285	356	5	127
S3	220	180	38	215	M12	285	356	5	127
S4	220	180	42	215	M12	285	356	5	127
S5	220	200	42	235	M12	285	356	5	127
S6	220	200	55	235	M12	285	356	5	127
S7	250	230	55	265	M12	315	386	6	157



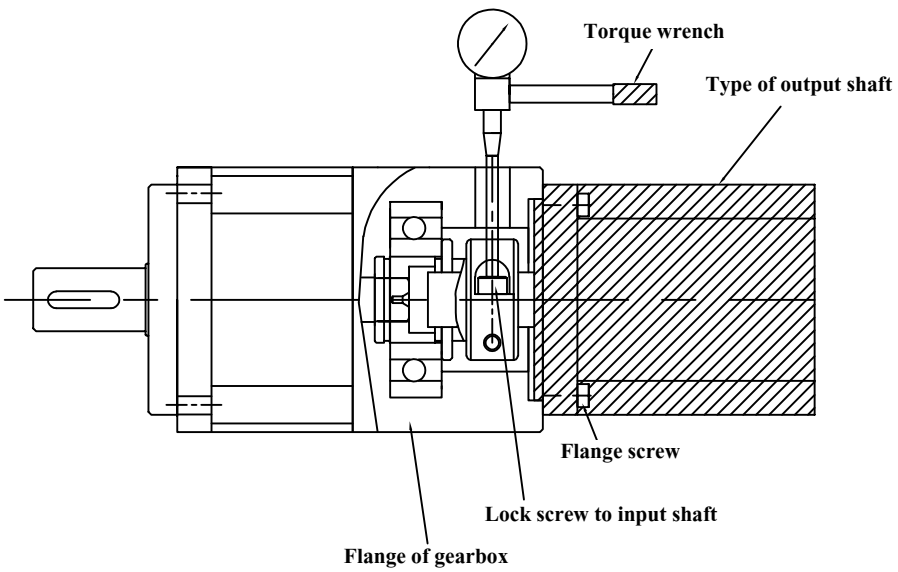


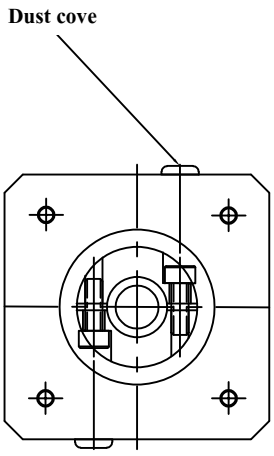
Gearbox Installation Instructions

1. Wipe the output shaft of servomotor clean.
2. Put the servomotor into the gearbox and fasten the screws on the flange.
3. Fasten the screws in the input shaft of the gearbox.
4. Fit the dust cover onto the gearbox.

Torque to which to fasten screws

Screw Type	M3	M4	M5	M6	M8	M10	M12
Torque of being Tightened Fimly (Nm)	2.0	4.5	9.0	15.3	30.0	73.5	128





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