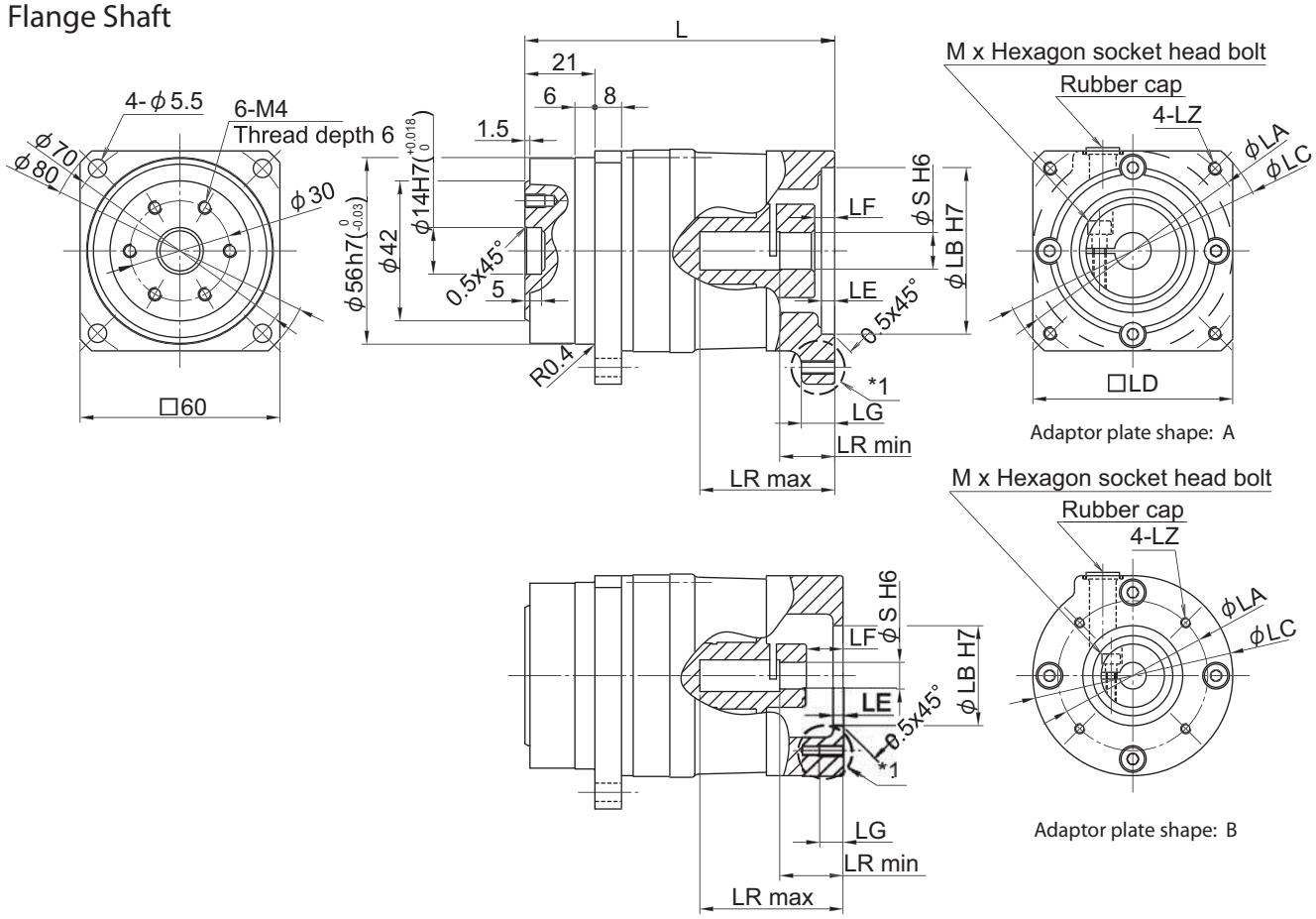
Dimension Drawings

Frame Size: P110
Reduction Ratio: 1/45
Flange Shaft



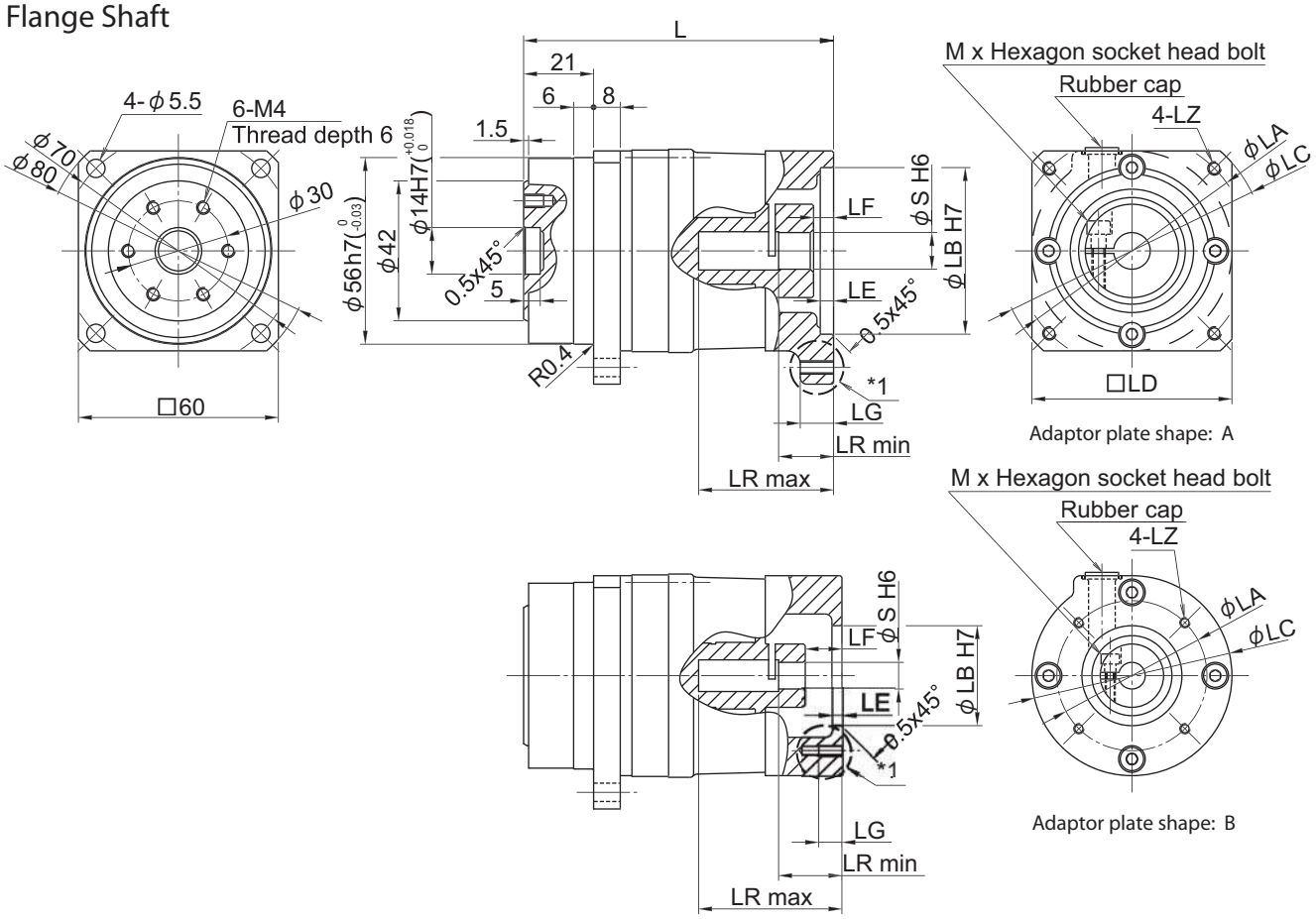
Nomenclature
ANFX-P110F [Motor flange code] [Backlash] — Reduction ratio (45)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2C	95.5	45	30	60	-	5	11	7	Useful thread length	B	M3	43	19	8	M3	1.16	2C
7J		46	30	60	-	5	11	9	Useful thread length		M4	43	19	6	M3	1.16	7J
2D		46	30	60	-	5	11	9	Useful thread length		M4	43	19	8	M3	1.16	2D
2E	93	60	50	80	60	4	8.5	9	Useful thread length	A	M4	40.5	16.5	8	M3	1.06	2E
2F		70	50	80	60	4	8.5	10	Through hole		M4	40.5	16.5	8	M3	1.06	2F
2G		70	50	80	60	4	8.5	10	Through hole		M5	40.5	16.5	8	M3	1.06	2G
2H		70	50	80	60	4	6	10	Through hole		M5	40.5	16.5	9	M4	1.16	2H

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P110
Reduction Ratio: 1/81
Flange Shaft



Nomenclature
ANFX-P110F [Motor flange code] [Backlash] — Reduction ratio (81)

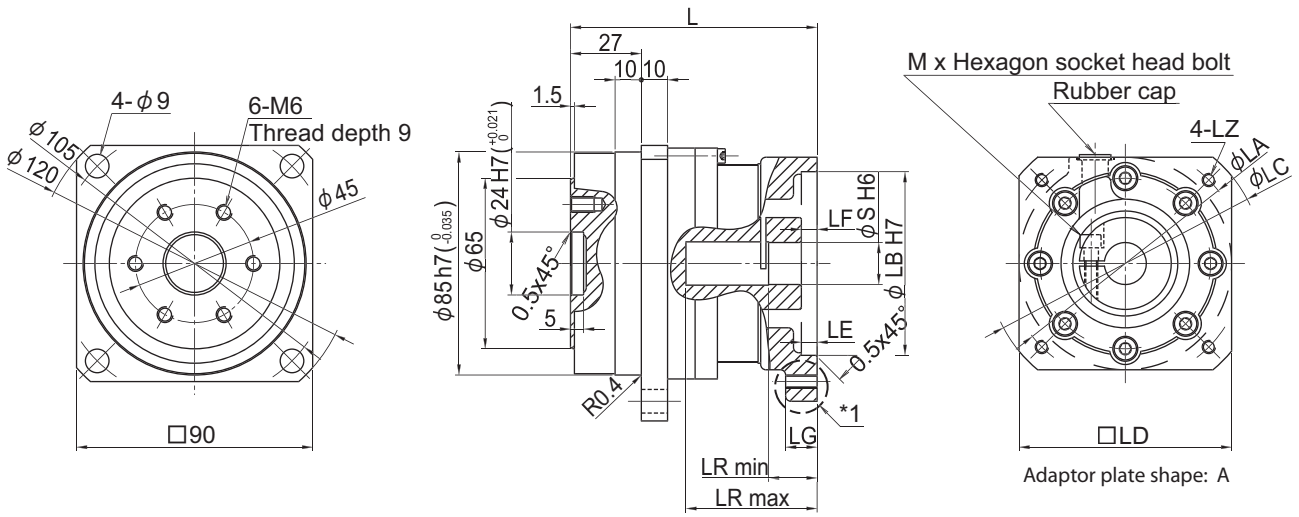
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2C	95.5	45	30	60	-	5	11	7	Useful thread length	B	M3	43	19	8	M3	1.16	2C
7J		46	30	60	-	5	11	9	Useful thread length		M4	43	19	6	M3	1.16	7J
2D		46	30	60	-	5	11	9	Useful thread length		M4	43	19	8	M3	1.16	2D
2E	93	60	50	80	60	4	8.5	9	Useful thread length	A	M4	40.5	16.5	8	M3	1.16	2E
2H		70	50	80	60	4	6	10	Through hole		M5	40.5	16.5	9	M4	1.16	2H

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P120
Reduction Ratio: 1/3.7
Flange Shaft

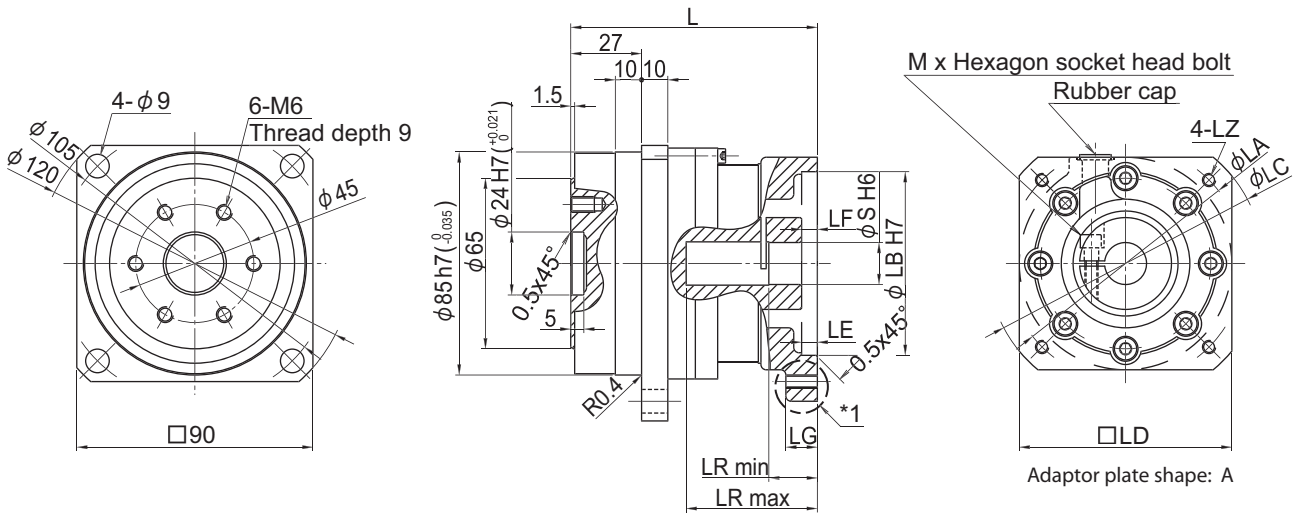


Nomenclature
ANFX-P120F — Motor flange code — Backlash — Reduction ratio (3.7)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
0U	94	90	70	105	81	6	6	12	Through hole	A	M5	50	18.5	16	M5	2.3	0U
7S		90	70	105	81	6	6	12	Through hole		M5	50	18.5	19	M5	2.2	7S
7P		90	70	105	81	6	6	12	Through hole		M6	50	18.5	16	M5	2.3	7P
1G		90	70	105	81	6	6	12	Through hole		M6	50	18.5	19	M5	2.4	1G
0V Note2	107.5	100	80	120	90	5	19.5	12	Through hole		M6	63.5	30	14	M4	2.4	0V Note2
8E		100	80	120	90	5	19.5	12	Through hole		M6	63.5	32	16	M5	2.4	8E
7V		100	80	120	90	5	19.5	12	Through hole		M6	63.5	32	19	M5	2.3	7V
1L	120.5	115	95	135	100	6	17	16	Through hole		M6	46	31.5	24	M6	2.7	1L
7A	107.5	115	95	135	100	6	19.5	16	Through hole		M8	63.5	32	16	M5	2.5	7A
7B		115	95	135	100	6	19.5	16	Through hole		M8	63.5	32	19	M5	2.4	7B
0W	120.5	115	95	135	100	6	17	16	Through hole		M8	46	31.5	22	M6	2.8	0W
7Y		115	95	135	100	6	17	16	Through hole		M8	46	31.5	24	M6	2.7	7Y
0Y		135	110	165	120	7	17	16	Through hole		M8	46	31.5	22	M6	2.9	0Y
7R	110.5	145	110	165	120	7	22.5	16	Through hole		M8	66.5	35	16	M5	2.6	7R
7X		145	110	165	120	7	22.5	16	Through hole		M8	66.5	35	19	M5	2.5	7X
1S	145.5	145	110	165	120	7	42	16	Through hole		M8	71	55	22	M6	3.0	1S
7Z		145	110	165	120	7	42	16	Through hole		M8	71	55	24	M6	3.0	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Frame Size: P120
Reduction Ratio: 1/5
Flange Shaft



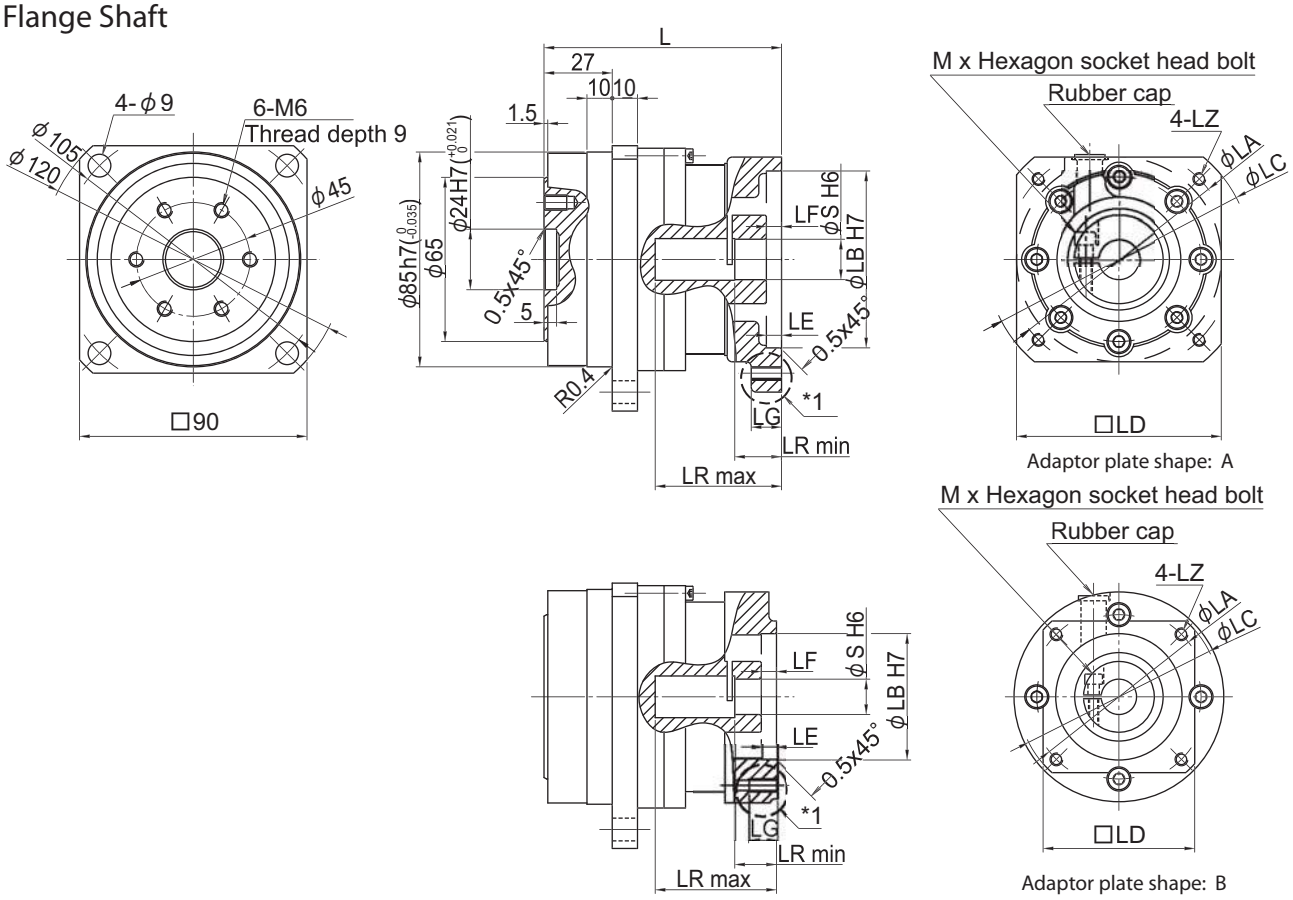
Nomenclature
ANFX-P120F — Motor flange code — Backlash — Reduction ratio (5)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
0U	94	90	70	105	81	6	6	12	Through hole	A	M5	50	18.5	16	M5	2.3	0U
7S		90	70	105	81	6	6	12	Through hole		M5	50	18.5	19	M5	2.2	7S
7P		90	70	105	81	6	6	12	Through hole		M6	50	18.5	16	M5	2.3	7P
1G		90	70	105	81	6	6	12	Through hole		M6	50	18.5	19	M5	2.4	1G
0V Note2	107.5	100	80	120	90	5	19.5	12	Through hole		M6	63.5	30	14	M4	2.4	0V Note2
8E		100	80	120	90	5	19.5	12	Through hole		M6	63.5	32	16	M5	2.4	8E
7V		100	80	120	90	5	19.5	12	Through hole		M6	63.5	32	19	M5	2.3	7V
1L	120.5	115	95	135	100	6	17	16	Through hole		M6	46	31.5	24	M6	2.7	1L
7A	107.5	115	95	135	100	6	19.5	16	Through hole		M8	63.5	32	16	M5	2.5	7A
7B		115	95	135	100	6	19.5	16	Through hole		M8	63.5	32	19	M5	2.4	7B
0W	120.5	115	95	135	100	6	17	16	Through hole		M8	46	31.5	22	M6	2.8	0W
7Y		115	95	135	100	6	17	16	Through hole		M8	46	31.5	24	M6	2.7	7Y
0Y		135	110	165	120	7	17	16	Through hole		M8	46	31.5	22	M6	2.9	0Y
7R	110.5	145	110	165	120	7	22.5	16	Through hole		M8	66.5	35	16	M5	2.6	7R
7X		145	110	165	120	7	22.5	16	Through hole		M8	66.5	35	19	M5	2.5	7X
1S	145.5	145	110	165	120	7	42	16	Through hole		M8	71	55	22	M6	3.0	1S
7Z		145	110	165	120	7	42	16	Through hole		M8	71	55	24	M6	3.0	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P120
Reduction Ratio: 1/9
Flange Shaft



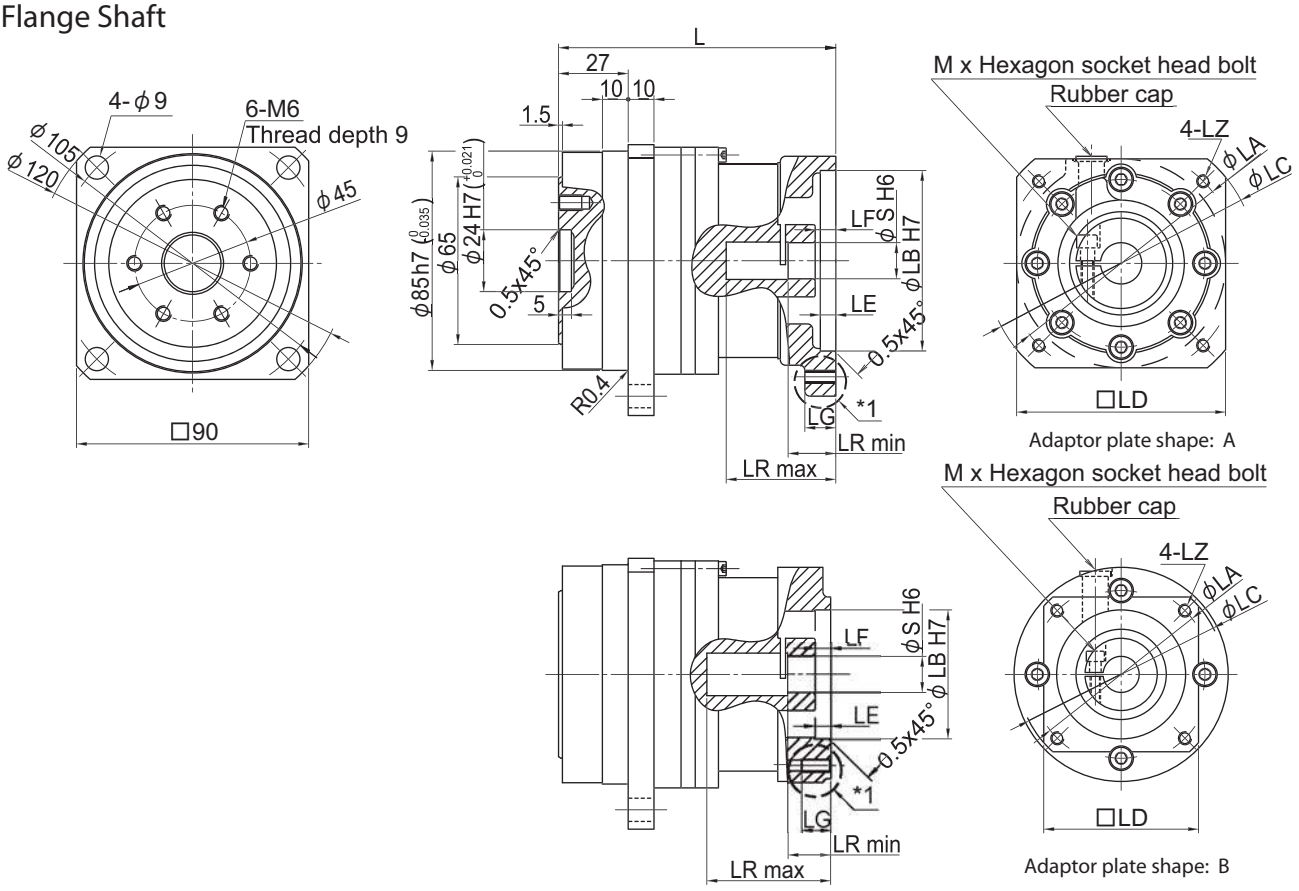
Nomenclature
ANFX-P120F [Motor flange code] [Backlash] — Reduction ratio (9)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2R	92	70	50	80	60	6	6	11	Useful thread length	B	M5	48	16.5	14	M4	2.3	2R
0U	94	90	70	105	81	6	6	12	Through hole	A	M5	50	18.5	16	M5	2.3	0U
7S		90	70	105	81	6	6	12	Through hole		M5	50	18.5	19	M5	2.2	7S
7P		90	70	105	81	6	6	12	Through hole		M6	50	18.5	16	M5	2.3	7P
1G		90	70	105	81	6	6	12	Through hole		M6	50	18.5	19	M5	2.2	1G
2J	107.5	100	80	120	90	5	21.5	12	Through hole		M6	63.5	32	10	M4	2.4	2J
0V Note2		100	80	120	90	5	19.5	12	Through hole		M6	63.5	30	14	M4	2.2	0V Note2
8E		100	80	120	90	5	19.5	12	Through hole		M6	63.5	32	16	M5	2.4	8E
7V		100	80	120	90	5	19.5	12	Through hole		M6	63.5	32	19	M5	2.3	7V
1L	120.5	115	95	135	100	6	17	16	Through hole		M6	46	31.5	24	M6	2.7	1L
7A	107.5	115	95	135	100	6	19.5	16	Through hole		M8	63.5	32	16	M5	2.5	7A
7B		115	95	135	100	6	19.5	16	Through hole		M8	63.5	32	19	M5	2.4	7B
0W	120.5	115	95	135	100	6	17	16	Through hole		M8	46	31.5	22	M6	2.8	0W
7Y		115	95	135	100	6	17	16	Through hole		M8	46	31.5	24	M6	2.7	7Y
0Y		135	110	165	120	7	17	16	Through hole		M8	46	31.5	22	M6	2.9	0Y
7R	110.5	145	110	165	120	7	22.5	16	Through hole		M8	66.5	35	16	M5	2.6	7R
7X		145	110	165	120	7	22.5	16	Through hole		M8	66.5	35	19	M5	2.6	7X
1S	145.5	145	110	165	120	7	42	16	Through hole		M8	71	55	22	M6	3.1	1S
7Z		145	110	165	120	7	42	16	Through hole		M8	71	55	24	M6	3.0	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P120
Reduction Ratio: 1/11
Flange Shaft



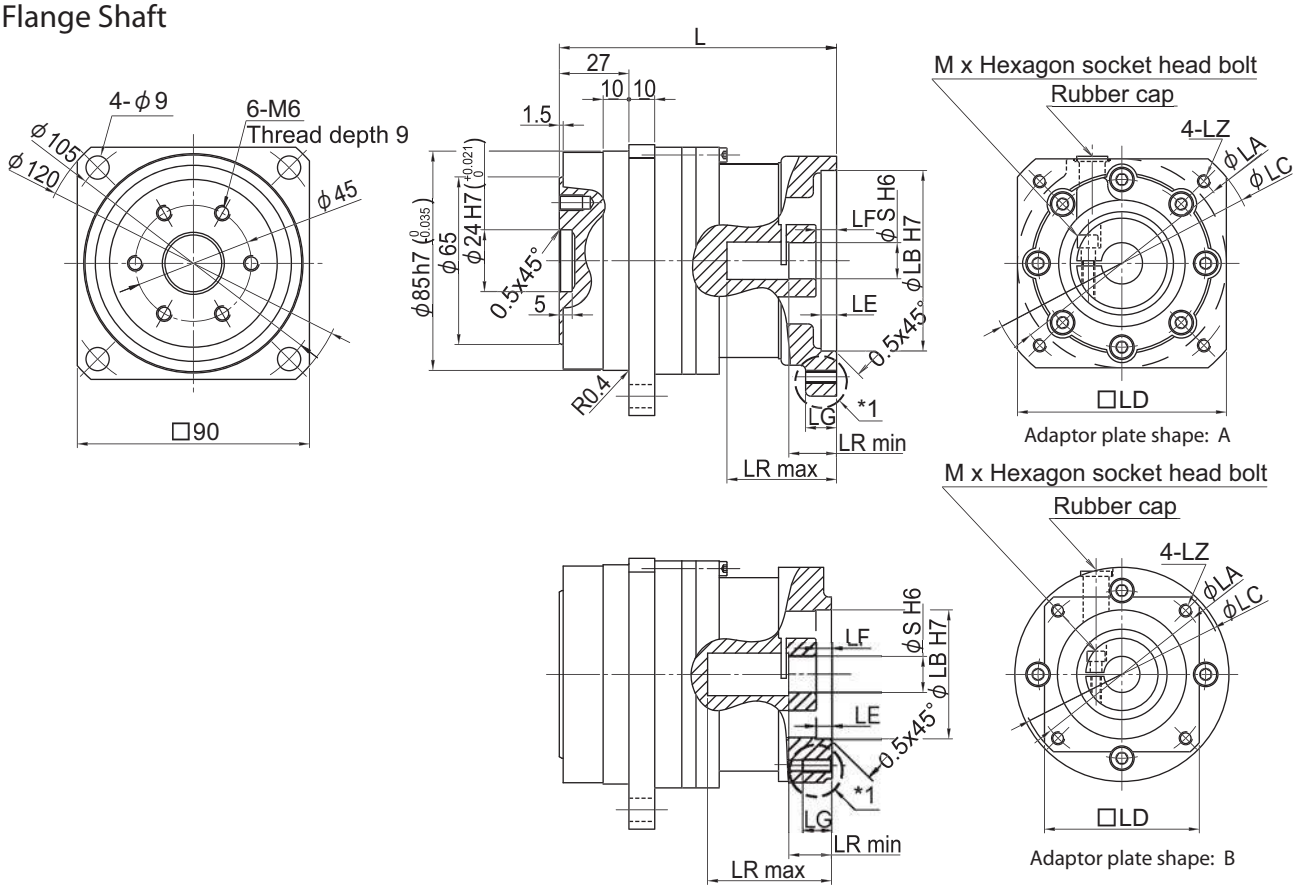
Nomenclature
ANFX-P120F — Motor flange code — Backlash — Reduction ratio (11)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2P	105.5	70	50	80	60	6	6	9	Useful thread length	B	M4	40.5	16.5	14	M4	2.6	2P
2R		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	14	M4	2.6	2R
8B	107.5	90	70	105	81	6	8	12	Through hole	A	M5	42.5	18.5	14	M4	2.6	8B
0U		90	70	105	81	6	6	12	Through hole		M5	42.5	18.5	16	M5	2.7	0U
7S		90	70	105	81	6	6	12	Through hole		M5	42.5	18.5	19	M5	2.7	7S
2T		90	70	105	81	6	8	12	Through hole		M6	42.5	18.5	14	M4	2.6	2T
7P		90	70	105	81	6	6	12	Through hole		M6	42.5	18.5	16	M5	2.7	7P
1G		90	70	105	81	6	6	12	Through hole		M6	42.5	18.5	19	M5	2.7	1G
2J	121	100	80	120	90	5	21.5	12	Through hole		M6	56	32	10	M4	2.8	2J
0V[Note2]		100	80	120	90	5	19.5	12	Through hole		M6	56	30	14	M4	2.7	0V[Note2]
8E		100	80	120	90	5	19.5	12	Through hole		M6	56	32	16	M5	2.8	8E
7V		100	80	120	90	5	19.5	12	Through hole		M6	56	32	19	M5	2.8	7V
1L	134	115	95	135	100	6	17	16	Through hole		M6	46	31.5	24	M6	3.2	1L
7A	121	115	95	135	100	6	19.5	16	Through hole		M8	56	32	16	M5	2.9	7A
0W	134	115	95	135	100	6	17	16	Through hole		M8	46	31.5	22	M6	3.5	0W
7Y		115	95	135	100	6	17	16	Through hole		M8	46	31.5	24	M6	3.2	7Y
0Y		135	110	165	120	7	17	16	Through hole		M8	46	31.5	22	M6	3.4	0Y
7R	124	145	110	165	120	7	22.5	16	Through hole		M8	59	35	16	M5	3.0	7R
7X		145	110	165	120	7	22.5	16	Through hole		M8	59	35	19	M5	3.0	7X
7Z	159	145	110	165	120	7	42	16	Through hole		M8	71	56.5	24	M6	3.5	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P120
Reduction Ratio: 1/15
Flange Shaft

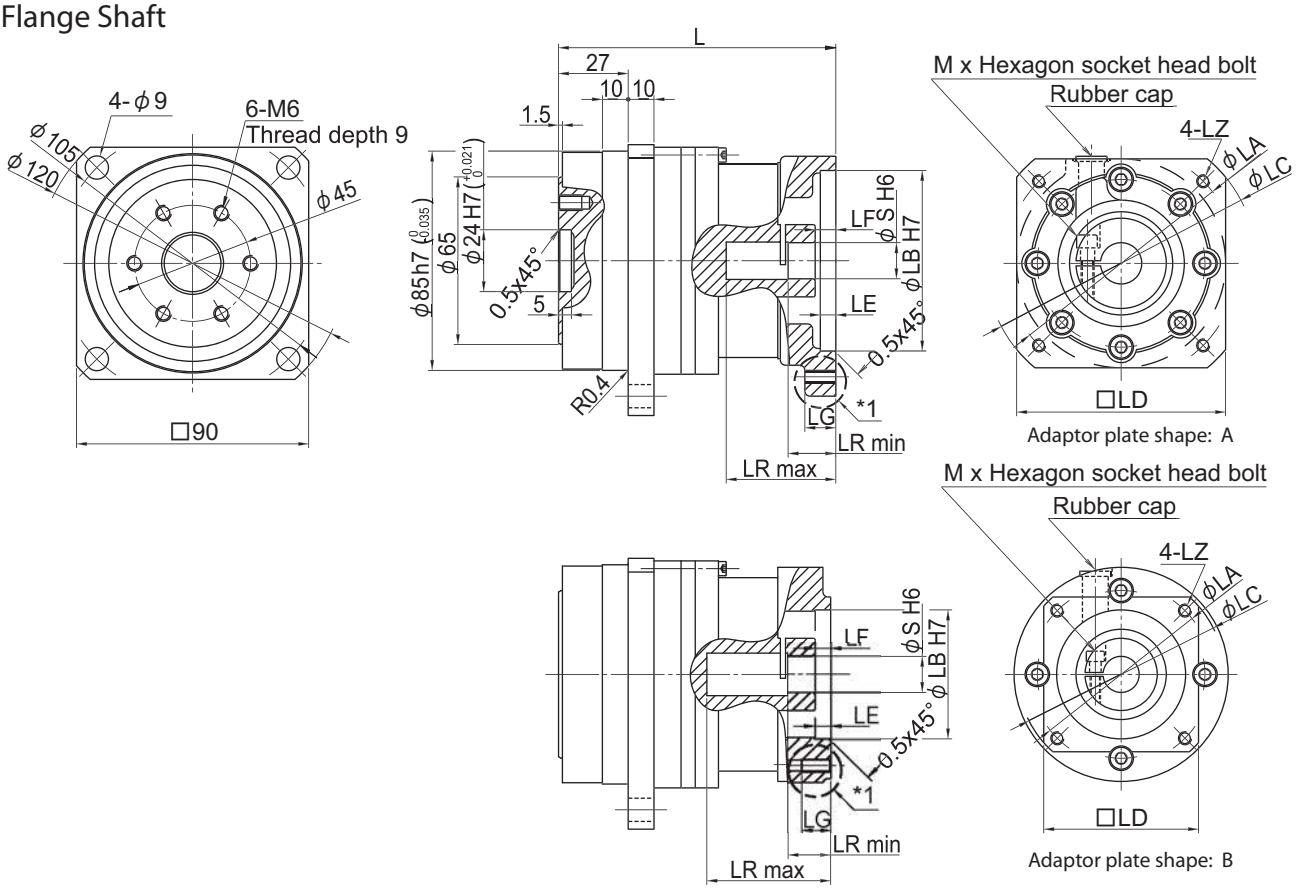


Nomenclature
ANFX-P120F [Motor flange code] [Backlash] — Reduction ratio (15)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2P	105.5	70	50	80	60	6	6	9	Useful thread length	B	M4	40.5	16.5	14	M4	2.6	2P
2R		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	14	M4	2.6	2R
8B	107.5	90	70	105	81	6	8	12	Through hole	A	M5	42.5	18.5	14	M4	2.6	8B
0U		90	70	105	81	6	6	12	Through hole		M5	42.5	18.5	16	M5	2.7	0U
7S		90	70	105	81	6	6	12	Through hole		M5	42.5	18.5	19	M5	2.7	7S
2T		90	70	105	81	6	8	12	Through hole		M6	4v2.5	18.5	14	M4	2.6	2T
7P		90	70	105	81	6	6	12	Through hole		M6	42.5	18.5	16	M5	2.7	7P
1G		90	70	105	81	6	6	12	Through hole		M6	42.5	18.5	19	M5	2.7	1G
2J	121	100	80	120	90	5	21.5	12	Through hole		M6	56	32	10	M4	2.8	2J
0V Note2		100	80	120	90	5	19.5	12	Through hole		M6	56	30	14	M4	2.7	0V Note2
8E		100	80	120	90	5	19.5	12	Through hole		M6	56	32	16	M5	2.8	8E
7V		100	80	120	90	5	19.5	12	Through hole		M6	56	32	19	M5	2.8	7V
1L	134	115	95	135	100	6	17	16	Through hole		M6	46	31.5	24	M6	3.2	1L
7A	121	115	95	135	100	6	19.5	16	Through hole		M8	56	32	16	M5	2.9	7A
0W	134	115	95	135	100	6	17	16	Through hole		M8	46	31.5	22	M6	3.5	0W
7Y		115	95	135	100	6	17	16	Through hole		M8	46	31.5	24	M6	3.2	7Y
0Y		135	110	165	120	7	17	16	Through hole		M8	46	31.5	22	M6	3.4	0Y
7R	124	145	110	165	120	7	22.5	16	Through hole		M8	59	35	16	M5	3.0	7R
7X		145	110	165	120	7	22.5	16	Through hole		M8	59	35	19	M5	3.0	7X
7Z	159	145	110	165	120	7	42	16	Through hole		M8	71	56.5	24	M6	3.5	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Frame Size: P120
Reduction Ratio: 1/21
Flange Shaft



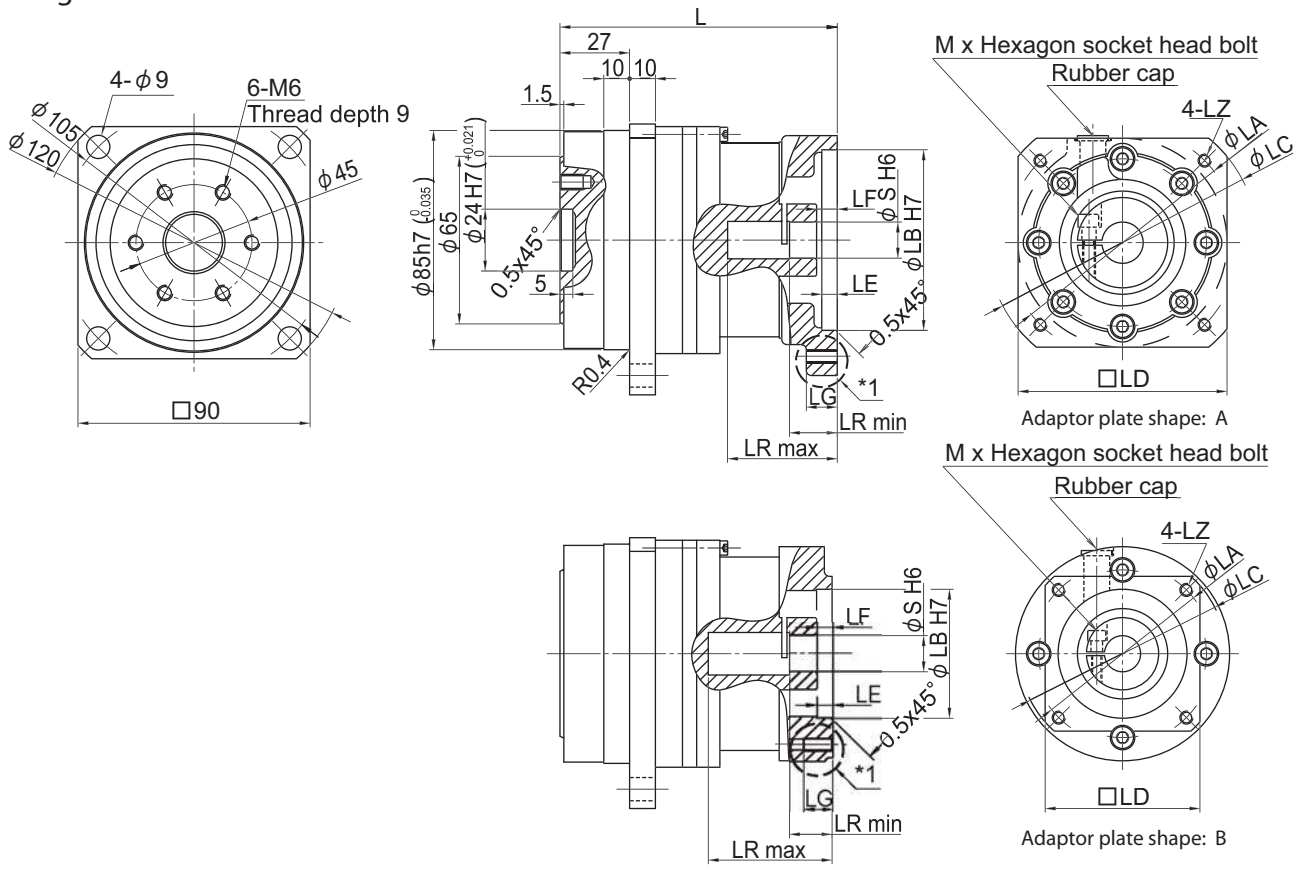
Nomenclature
ANFX-P120F — Motor flange code — Backlash — Reduction ratio (21)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG *1	Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2P	105.5	70	50	80	60	6	6	9	Useful thread length	B	M4	40.5	16.5	14	M4	2.6	2P
2H		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	9	M4	2.6	2H
2R		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	14	M4	2.6	2R
8B	107.5	90	70	105	81	6	8	12	Through hole	A	M5	42.5	18.5	14	M4	2.6	8B
0U		90	70	105	81	6	6	12	Through hole		M5	42.5	18.5	16	M5	2.7	0U
7S		90	70	105	81	6	6	12	Through hole		M5	42.5	18.5	19	M5	2.7	7S
2T		90	70	105	81	6	8	12	Through hole		M6	42.5	18.5	14	M4	2.6	2T
7P		90	70	105	81	6	6	12	Through hole		M6	42.5	18.5	16	M5	2.7	7P
1G		90	70	105	81	6	6	12	Through hole		M6	42.5	18.5	19	M5	2.7	1G
2J	121	100	80	120	90	5	21.5	12	Through hole		M6	56	32	10	M4	2.8	2J
0V Note2		100	80	120	90	5	19.5	12	Through hole		M6	56	30	14	M4	2.8	0V Note2
8E		100	80	120	90	5	19.5	12	Through hole		M6	56	32	16	M5	2.8	8E
7A		115	95	135	100	6	19.5	16	Through hole		M8	56	32	16	M5	2.9	7A
7R	124	145	110	165	120	7	22.5	16	Through hole		M8	59	35	16	M5	3.0	7R
7X		145	110	165	120	7	22.5	16	Through hole		M8	59	35	19	M5	3.0	7X
7Z	159	145	110	165	120	7	42	16	Through hole		M8	71	56.5	24	M6	3.5	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P120
Reduction Ratio: 1/33
Flange Shaft



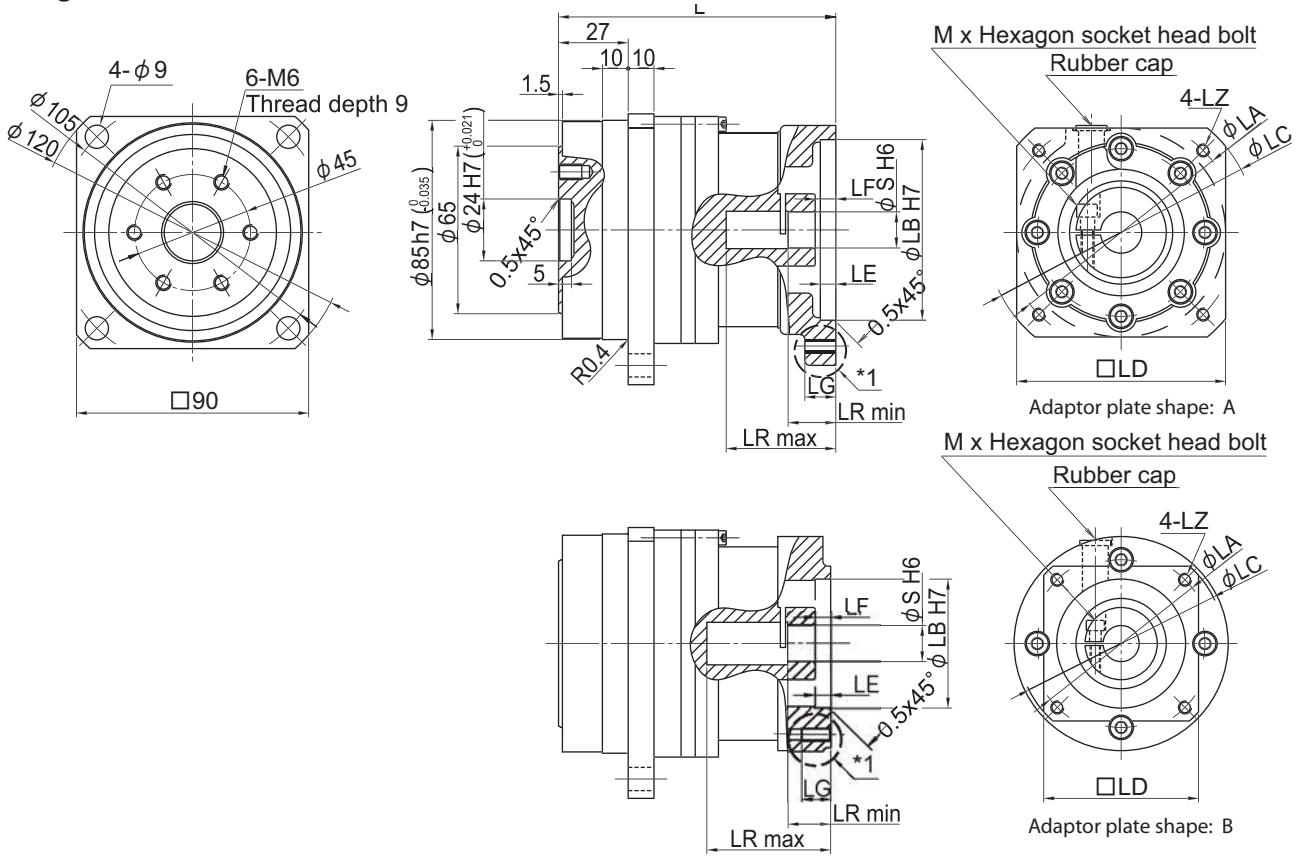
Nomenclature
ANFX-P120F — Motor flange code — Backlash — Reduction ratio (33)

3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG *1	Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2P	105.5	70	50	80	60	6	6	9	Useful thread length	B	M4	40.5	16.5	14	M4	2.7	2P
2R		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	14	M4	2.7	2R
8B	107.5	90	70	105	81	6	8	12	Through hole	A	M5	42.5	18.5	14	M4	2.7	8B
2T		90	70	105	81	6	8	12	Through hole		M6	42.5	18.5	14	M4	2.7	2T
2J	165	100	80	120	90	5	21.5	12	Through hole		M6	56	32	10	M4	3.0	2J

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Frame Size: P120
Reduction Ratio: 1/45
Flange Shaft



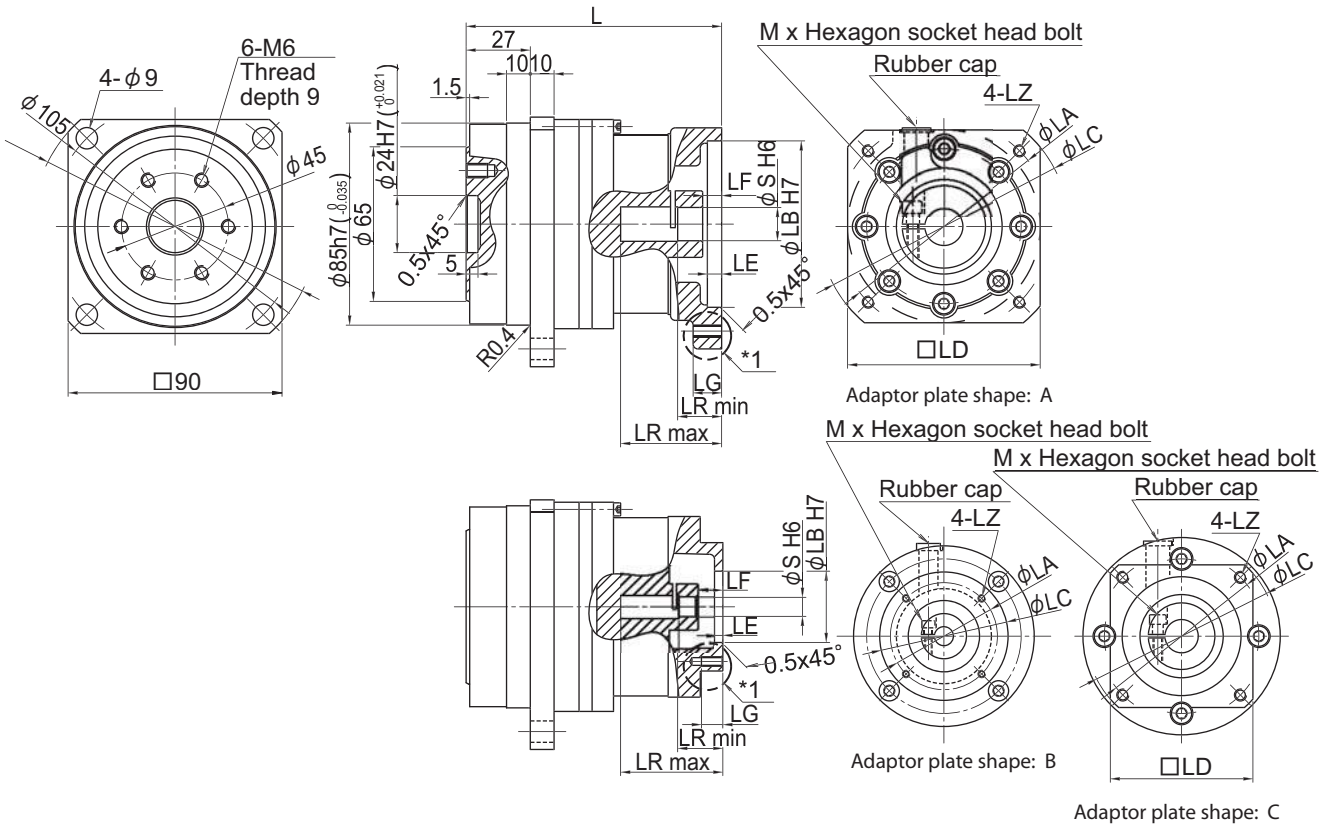
Nomenclature
ANFX-P120F — Motor flange code — Backlash — Reduction ratio (45)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2K	105.5	60	50	80	60	6	6	9	Useful thread length	B	M4	40.5	16.5	11	M4	2.7	2K
2L		70	50	80	60	6	6	9	Useful thread length		M4	40.5	16.5	11	M4	2.7	2L
2P		70	50	80	60	6	6	9	Useful thread length		M4	40.5	16.5	14	M4	2.7	2P
2H		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	9	M4	2.7	2H
2R		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	14	M4	2.7	2R
8A	107.5	90	70	105	81	6	8	12	Through hole	A	M5	42.5	18.5	11	M4	2.7	8A
8B		90	70	105	81	6	8	12	Through hole		M5	42.5	18.5	14	M4	2.7	8B
2T		90	70	105	81	6	8	12	Through hole		M6	42.5	18.5	14	M4	2.7	2T
2J	165	100	80	120	90	5	21.5	12	Through hole		M6	56	32	10	M4	3.0	2J

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P120
Reduction Ratio: 1/81
Flange Shaft

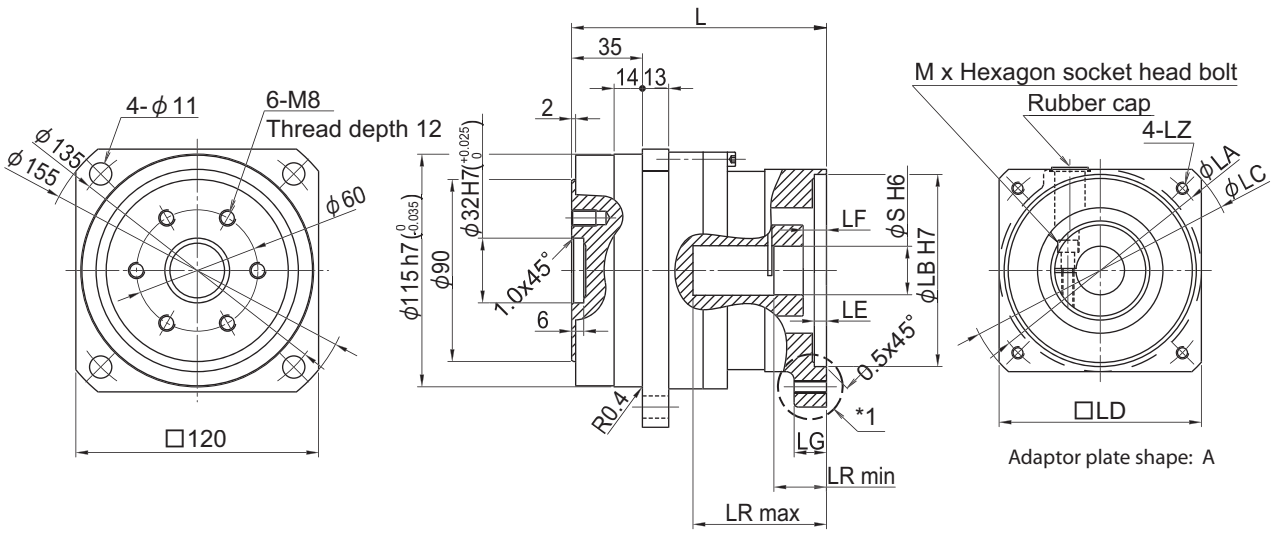


Nomenclature
ANFX-P120F [Motor flange code] [Backlash] — Reduction ratio (81)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2C	108	45	30	54	-	4	11	7	Useful thread length	B	M3	43	19	8	M3	2.6	2C
2D		46	30	54	-	4	11	9	Useful thread length		M4	43	19	8	M3	2.6	2D
2E	105.5	60	50	80	60	6	8.5	9	Useful thread length	C	M4	40.5	16.5	8	M3	2.7	2E
2K		60	50	80	60	6	6	9	Useful thread length		M4	40.5	16.5	11	M4	2.7	2K
2F		70	50	80	60	6	8.5	9	Useful thread length		M4	40.5	16.5	8	M3	2.7	2F
2G		70	50	80	60	6	8.5	11	Useful thread length		M5	40.5	16.5	8	M3	2.7	2G
2H		70	50	80	60	6	6	11	Useful thread length		M5	40.5	16.5	9	M4	2.7	2H
2R		70	50	80	60	6	6	11	Useful thread length	A	M5	40.5	16.5	14	M4	2.7	2R
2T	107.5	90	70	105	81	6	8	12	Through hole		M6	42.5	18.5	14	M4	2.7	2T

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Frame Size: P130
Reduction Ratio: 1/3.7
Flange Shaft



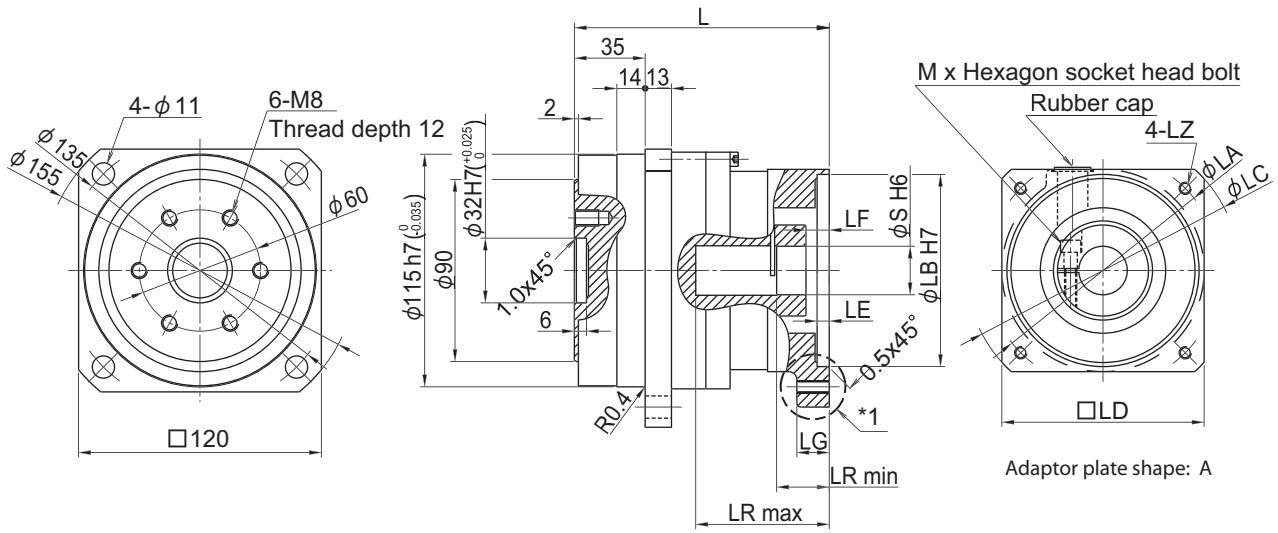
Nomenclature
ANFX-P130F — Motor flange code — Backlash — Reduction ratio (3.7)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
1S	134	145	110	165	120	7	19.5	16	Through hole	A	M8	74	34	22	M6	6.7	1S
7Z		145	110	165	120	7	19.5	16	Through hole		M8	74	34	24	M6	6.6	7Z
1T		145	110	165	120	7	19.5	16	Through hole		M8	74	34	28	M6	5.9	1T
0X Note2	179.5	200	114.3	230	180	6	41.5	24	Through hole		M12	81	60	35	M8	7.6	0X Note2

Note 1: Dimension of coupling of motor flange code (0X) includes tolerance (+0.010 ~ +0.026)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P130
Reduction Ratio: 1/5
Flange Shaft

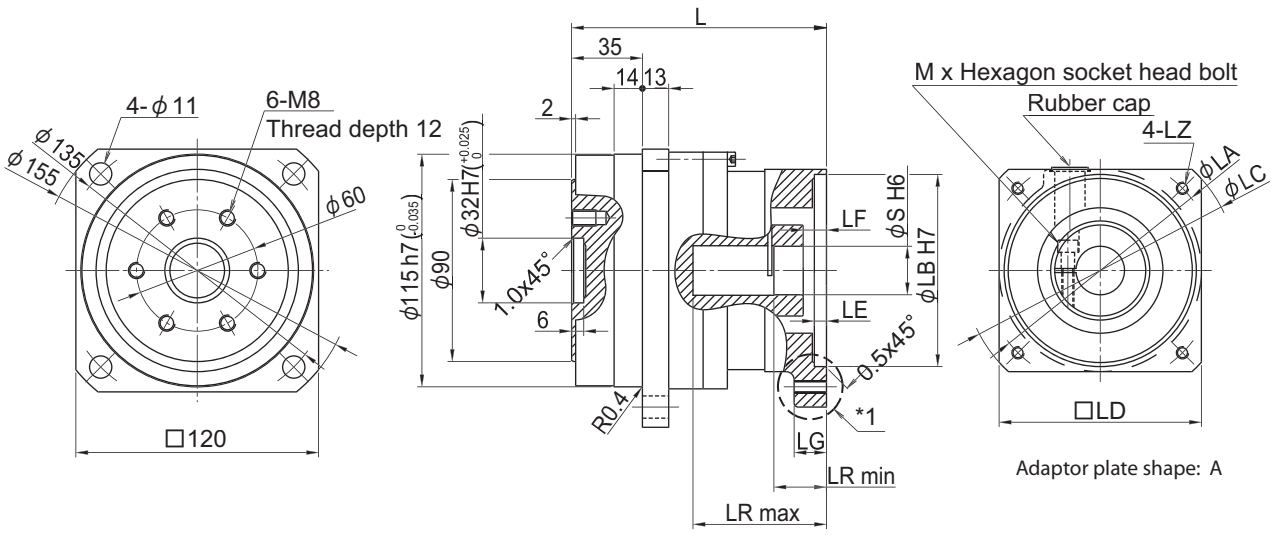


Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (5)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
1S	134	145	110	165	120	7	19.5	16	Through hole	A	M8	74	34	22	M6	6.7	1S
7Z		145	110	165	120	7	19.5	16	Through hole		M8	74	34	24	M6	6.6	7Z
1T		145	110	165	120	7	19.5	16	Through hole		M8	74	34	28	M6	5.9	1T
0X Note2	179.5	200	114.3	230	180	6	41.5	24	Through hole		M12	81	60	35	M8	7.6	0X Note2

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.010 ~ +0.026)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Frame Size: P130
Reduction Ratio: 1/9
Flange Shaft



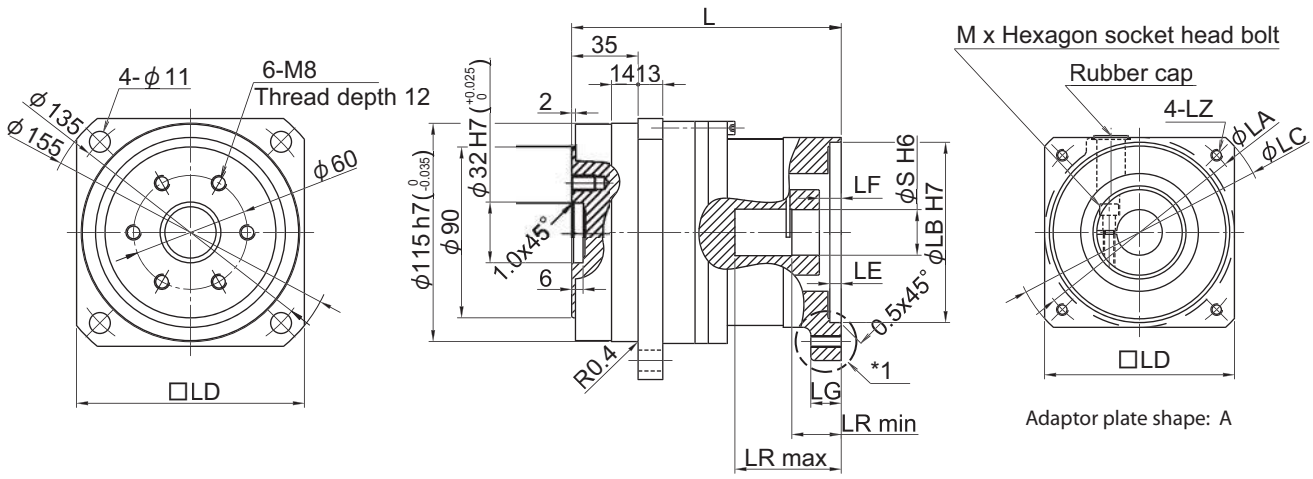
Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (9)
3 min: L3
15 min: LD

Motor flange code	L	Dimension															Mass [kg]	Motor flange code
		LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M		
1L	126	115	95	135	100	6	11.5	16	Through hole	A	M6	66	26	24	M6	5.7	1L
7B		115	95	135	100	6	13.5	16	Through hole		M8	66	26	19	M5	6.3	7B
0W		115	95	135	100	6	11.5	16	Through hole		M8	66	26	22	M6	6.3	0W
7Y		115	95	135	100	6	11.5	16	Through hole		M8	66	26	24	M6	5.7	7Y
0Y	134	135	110	165	120	7	19.5	16	Through hole		M8	74	34	22	M6	6.2	0Y
7X		145	110	165	120	7	21.5	16	Through hole		M8	74	34	19	M5	6.8	7X
1S		145	110	165	120	7	19.5	16	Through hole		M8	74	34	22	M6	6.2	1S
7Z		145	110	165	120	7	19.5	16	Through hole		M8	74	34	24	M6	6.1	7Z
1T		145	110	165	120	7	19.5	16	Through hole		M8	74	34	28	M6	6.0	1T
0X Note2	179.5	200	114.3	230	180	6	41.5	24	Through hole		M12	81	60	35	M8	7.7	0X Note2

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.010 ~ +0.026)
2: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

Frame Size: P130
Reduction Ratio: 1/11
Flange Shaft

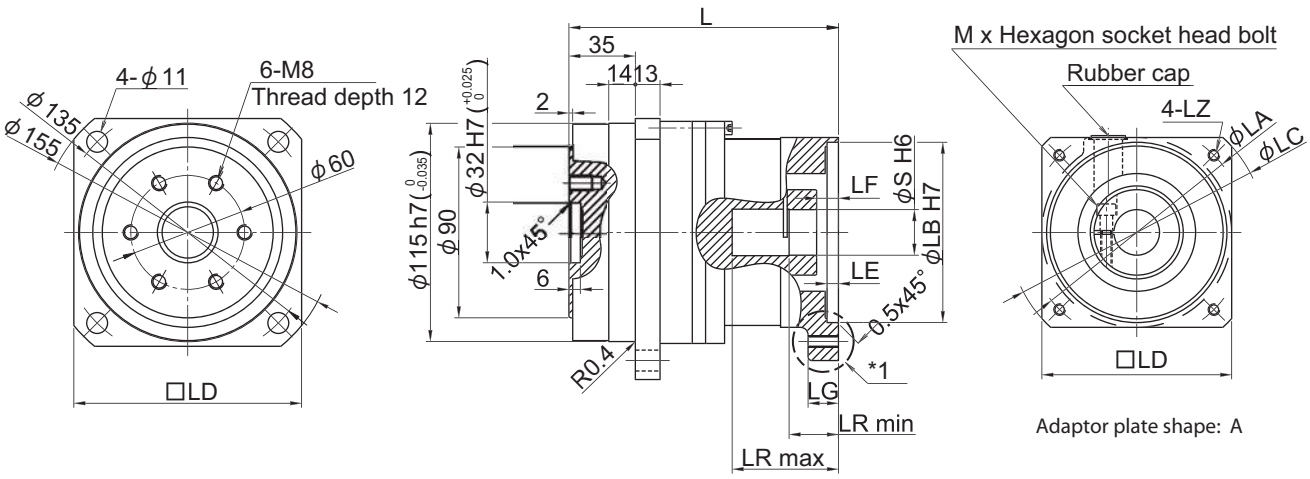


Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (11)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
1L	142	115	95	135	100	6	11.5	16	Through hole	A	M6	56	26	24	M6	6.6	1L
7B		115	95	135	100	6	13.5	16	Through hole		M8	56	26	19	M5	6.4	7B
0W		115	95	135	100	6	11.5	16	Through hole		M8	56	26	22	M6	6.5	0W
7Y		115	95	135	100	6	11.5	16	Through hole		M8	56	26	24	M6	6.6	7Y
0Y	150	135	110	165	120	7	19.5	16	Through hole		M8	74	34	22	M6	7.1	0Y
7X		145	110	165	120	7	21.5	16	Through hole		M8	64	34	19	M5	6.7	7X
1S		145	110	165	120	7	19.5	16	Through hole		M8	64	34	22	M6	6.2	1S
7Z		145	110	165	120	7	19.5	16	Through hole		M8	64	34	24	M6	6.9	7Z

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Frame Size: P130
Reduction Ratio: 1/15
Flange Shaft



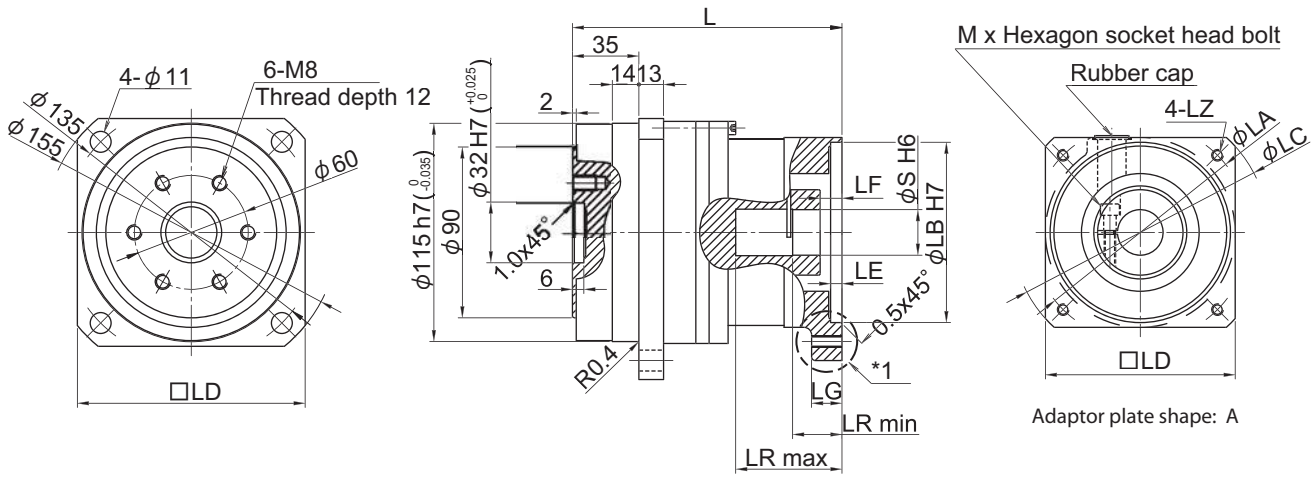
Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (15)
3 min: L3
15 min: LD

Motor flange code	L	Dimension														Mass [kg]	Motor flange code
		LA	LB	LC	LD	LE	LF	LG	Shape *1	Adaptor plate shape	LZ	LR max	LR min	S	M		
1L	142	115	95	135	100	6	11.5	16	Through hole	A	M6	56	26	24	M6	6.6	1L
7B		115	95	135	100	6	13.5	16	Through hole		M8	56	26	19	M5	6.4	7B
0W		115	95	135	100	6	11.5	16	Through hole		M8	56	26	22	M6	6.5	0W
7Y		115	95	135	100	6	11.5	16	Through hole		M8	56	26	24	M6	6.6	7Y
0Y	150	135	110	165	120	7	19.5	16	Through hole		M8	74	34	22	M6	7.1	0Y
7X		145	110	165	120	7	21.5	16	Through hole		M8	64	34	19	M5	6.7	7X
1S		145	110	165	120	7	19.5	16	Through hole		M8	64	34	22	M6	6.2	1S
7Z		145	110	165	120	7	19.5	16	Through hole		M8	64	34	24	M6	6.9	7Z

Note 1: Dimensions and mass shown in the above figures are subject to change without prior notification.

Dimension Drawings

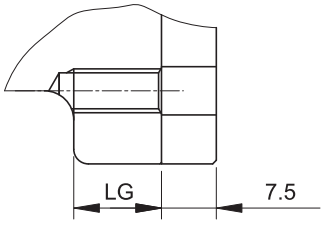
Frame Size: P130
Reduction Ratio: 1/21
Flange Shaft



Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (21)
3 min: L3
15 min: LD

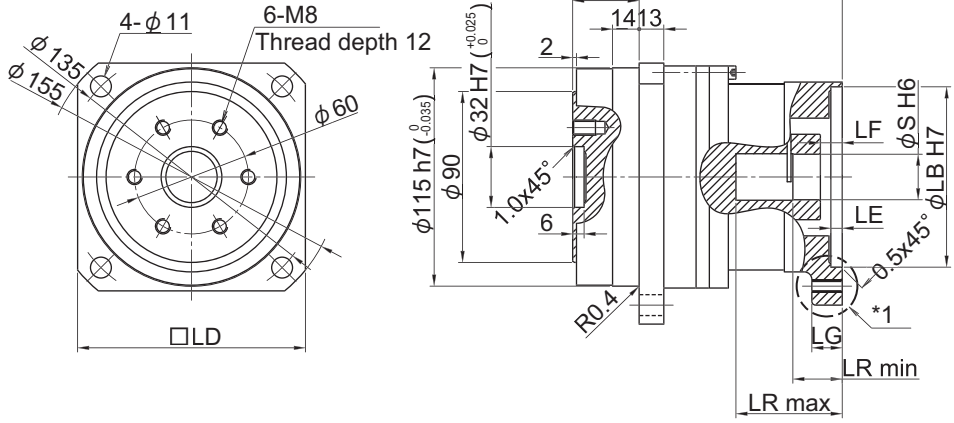
Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	Shape	*1 Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
8E[Note2]	142	100	80	120	90	5	13.5	12	Through hole	A	M6	56	26	16	M5	6.6	8E[Note2]
7V[Note2]		100	80	120	90	5	13.5	12	Through hole		M6	56	26	19	M5	6.5	7V[Note2]
1L		115	95	135	100	6	11.5	16	Through hole		M6	56	26	24	M6	6.5	1L
7B		115	95	135	100	6	13.5	16	Through hole		M8	56	26	19	M5	6.5	7B
0W		115	95	135	100	6	11.5	16	Through hole		M8	56	26	22	M6	7.2	0W
7Y		115	95	135	100	6	11.5	16	Through hole		M8	56	26	24	M6	6.5	7Y
0Y	150	135	110	165	120	7	19.5	16	Through hole		M8	74	34	22	M6	7.1	0Y
7X		145	110	165	120	7	21.5	16	Through hole		M8	64	34	19	M5	6.8	7X
1S		145	110	165	120	7	19.5	16	Through hole		M8	64	34	22	M6	7.5	1S
7Z		145	110	165	120	7	19.5	16	Through hole		M8	64	34	24	M6	6.9	7Z

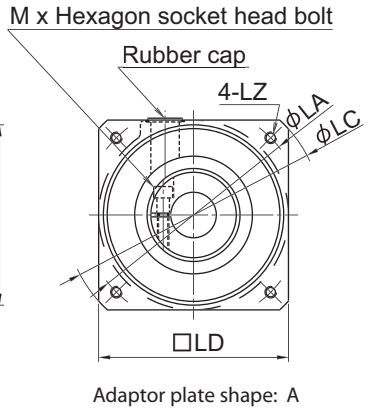
Note 1: Shape of flange plate for motor
2: Dimensions and mass shown in the above figures are subject to change without prior notification. .



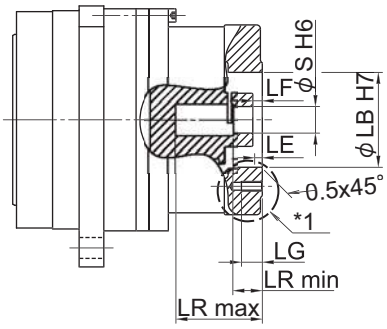
With motor flange plate shape

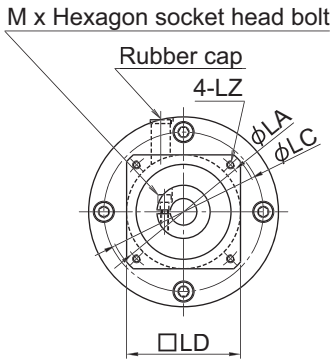
Frame Size: P130
Reduction Ratio: 1/33
Flange Shaft





Adaptor plate shape: A



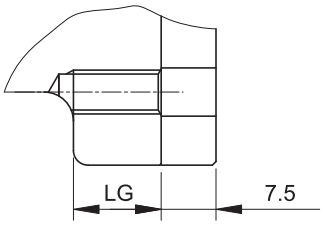


Adaptor plate shape: B

Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (33)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2R	131.5	70	50	80	60	4	5	11	Useful thread length		M5	45.5	15.5	14	M4	6.5	2R
0U	134.5	90	70	120	90	6	6	11	Useful thread length		M5	48.5	18.5	16	M5	6.5	0U
7S		90	70	120	90	6	6	11	Useful thread length	B	M5	48.5	18.5	19	M5	6.5	7S
7P		90	70	120	90	6	6	13	Useful thread length		M6	48.5	18.5	16	M5	6.5	7P
1G		90	70	120	90	6	6	13	Useful thread length		M6	48.5	18.5	19	M5	6.5	1G
2J Note2	142	100	80	120	90	5	15.5	12	Through hole		M6	56	26	10	M4	6.6	2J Note2
0V Note2 3		100	80	120	90	5	15.5	12	Through hole		M6	56	26	14	M4	6.6	0V Note2 3
8E Note2		100	80	120	90	5	13.5	12	Through hole		M6	56	26	16	M5	6.6	8E Note2
7A		115	95	135	100	6	13.5	16	Through hole	A	M8	56	26	16	M5	6.6	7A
7R	150	145	110	165	120	7	21.5	16	Through hole		M8	64	34	16	M5	6.9	7R
7X		145	110	165	120	7	21.5	16	Through hole		M8	64	34	19	M5	6.9	7X
7Z		145	110	165	120	7	21.5	16	Through hole		M8	64	36	24	M6	6.9	7Z

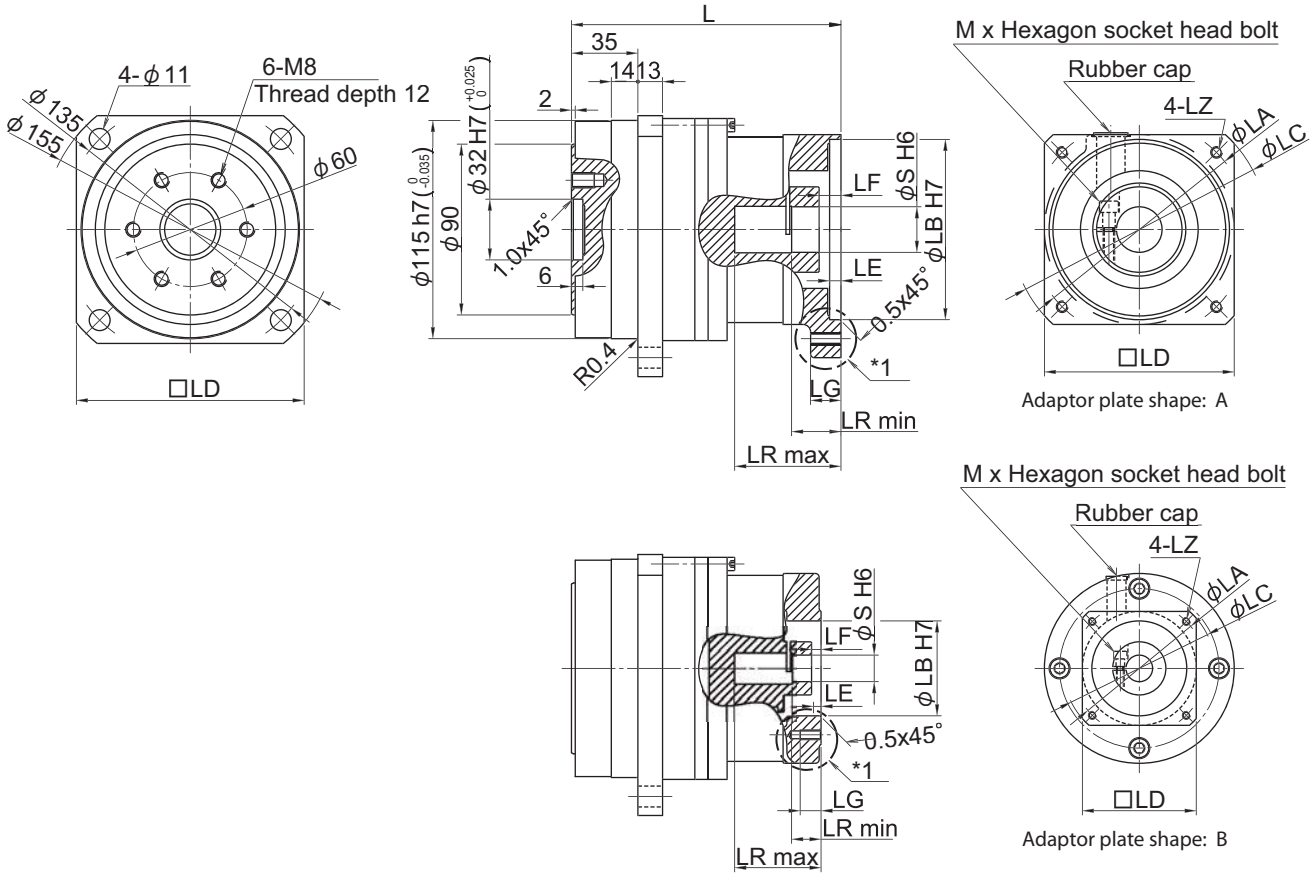
Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.010 ~ +0.026)
2: Shape of flange plate for motor
3: Dimensions and mass shown in the above figures are subject to change without prior notification.



With motor flange plate shape

Dimension Drawings

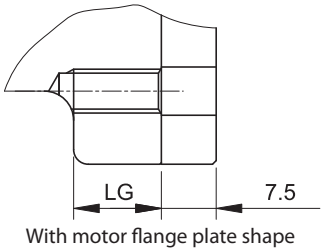
Frame Size: P130
Reduction Ratio: 1/45
Flange Shaft



Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (45)
3 min: L3
15 min: LD

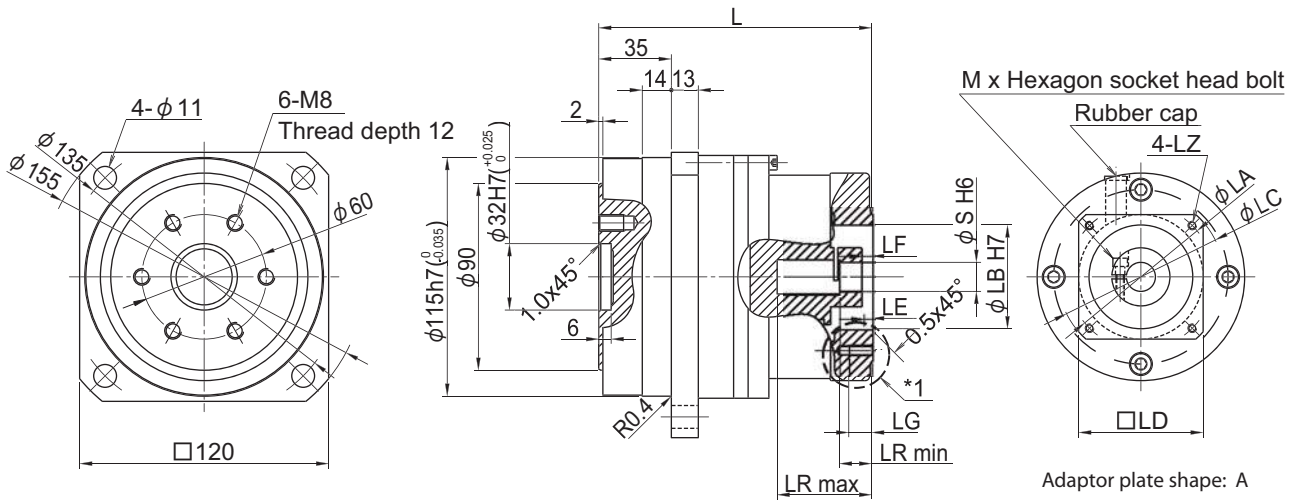
Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG *1	Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2R	131.5	70	50	80	60	4	5	11	Useful thread length		M5	45.5	15.5	14	M4	6.5	2R
0U	134.5	90	70	120	90	6	6	11	Useful thread length		M5	48.5	18.5	16	M5	6.5	0U
7S		90	70	120	90	6	6	11	Useful thread length	B	M5	48.5	18.5	19	M5	6.5	7S
7P		90	70	120	90	6	6	13	Useful thread length		M6	48.5	18.5	16	M5	6.5	7P
1G		90	70	120	90	6	6	13	Useful thread length		M6	48.5	18.5	19	M5	6.5	1G
2J Note2	142	100	80	120	90	5	15.5	12	Through hole		M6	56	26	10	M4	6.6	2J Note2
0V Note2 3		100	80	120	90	5	15.5	12	Through hole		M6	56	26	14	M4	6.6	0V Note2 3
8E Note2		100	80	120	90	5	13.5	12	Through hole		M6	56	26	16	M5	6.6	8E Note2
7A		115	95	135	100	6	13.5	16	Through hole	A	M8	56	26	16	M5	6.6	7A
7R	150	145	110	165	120	7	21.5	16	Through hole		M8	64	34	16	M5	6.9	7R
7X		145	110	165	120	7	21.5	16	Through hole		M8	64	34	19	M5	6.9	7X
7Z		145	110	165	120	7	21.5	16	Through hole		M8	64	36	24	M6	6.9	7Z

Note 1: Dimension of coupling of motor flange code (0V) includes tolerance (+0.012 ~ +0.023)
2: Shape of flange plate for motor
3: Dimensions and mass shown in the above figures are subject to change without prior notification.



With motor flange plate shape

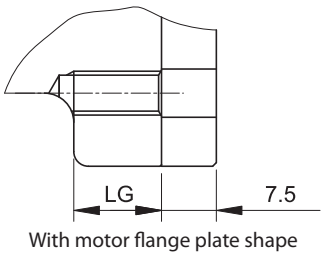
Frame Size: P130
Reduction Ratio: 1/81
Flange Shaft



Nomenclature
ANFX-P130F [Motor flange code] [Backlash] — Reduction ratio (81)
3 min: L3
15 min: LD

Motor flange code	L	Dimension LA	LB	LC	LD	LE	LF	LG	*1 Shape	Adaptor plate shape	LZ	LR max	LR min	S	M	Mass [kg]	Motor flange code
2L	131.5	70	50	80	60	4	5	9	Useful thread length	B	M4	45.5	15.5	11	M4	6.5	2L
2P		70	50	80	60	4	5	9	Useful thread length		M4	45.5	15.5	14	M4	6.5	2P
2H		70	50	80	60	4	5	11	Useful thread length		M5	45.5	15.5	9	M4	6.5	2H
2R		70	50	80	60	4	5	11	Useful thread length		M5	45.5	15.5	14	M4	6.5	2R
8A	134.5	90	70	120	90	6	8	11	Useful thread length		M5	48.5	18.5	11	M4	6.6	8A
8B		90	70	120	90	6	8	11	Useful thread length		M5	48.5	18.5	14	M4	6.6	8B
2T		90	70	120	90	6	8	13	Useful thread length		M6	48.5	18.5	14	M4	6.6	2T
2J Note2	142	100	80	120	90	5	15.5	12	Through hole	A	M6	56	26	10	M4	7.4	2J Note2

Note 1: Shape of flange plate for motor
2: Dimensions and mass shown in the above figures are subject to change without prior notification.



With motor flange plate shape