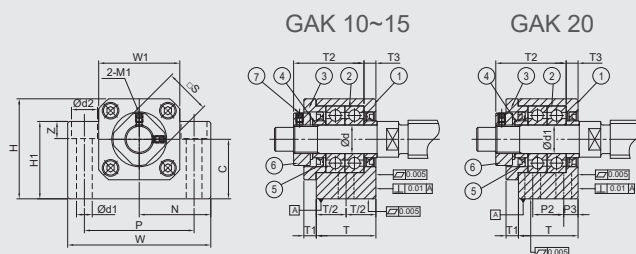


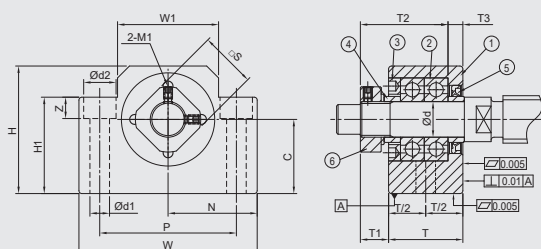
Fixed Side Standard Type | Rectangle Design | GOOAK

Model No.	Parts No. ①③④⑥	
	Material	Surface Finish
GOOAK□□ - S □ B	S50C	Black Dyed
GOOAK□□ - S □ N		Ni-Plating

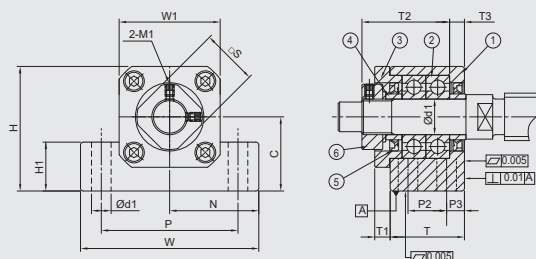
GOOAK10 ~ GOOAK20



GOOAK06 ~ GOOAK08



GOOAK25



Specification

Standard Type			Dimensions														
Light pre-loaded	Medium pre-loaded	Hard pre-loaded	Ød	T	T1	T2	T3	W	W1	H	H1	N±0.02	C ⁰ _{-0.02}	P	P2	P3	Ød1
GOOAK06-SL □	GOOAK06-SM □	GOOAK06-SH □	6	20	5.5	22	3.5	42	18	25	20	21	13	30	-	-	5.5
GOOAK08-SL □	GOOAK08-SM □	GOOAK08-SH □	8	23	7	26	4	52	25	32	26	26	17	38	-	-	6.6
GOOAK10-SL □	GOOAK10-SM □	GOOAK10-SH □	10	24	6	29.5	6	70	36	43	35	35	25	52	-	-	8.7
GOOAK12-SL □	GOOAK12-SM □	GOOAK12-SH □	12	24	6	29.5	6	70	36	43	35	35	25	52	-	-	8.7
GOOAK15-SL □	GOOAK15-SM □	GOOAK15-SH □	15	25	6	32	5	80	40	50	40	40	30	60	-	-	10.7
GOOAK20-SL □	GOOAK20-SM □	GOOAK20-SH □	20	42	10	50	10	95	56	58	45	47.5	30	75	22	10	10.7
GOOAK25-SL □	GOOAK25-SM □	GOOAK25-SH □	25	48	13	60	14	105	66	68	25	52.5	35	85	30	9	11

Ordering Example

GOOAK
Model No.10
Shaft Dia.SL
Grade/Pre-loadedN
Surface finishJ
Bearing category

GOOAK-B



GOOAK-N

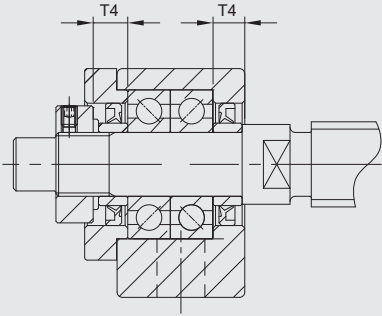
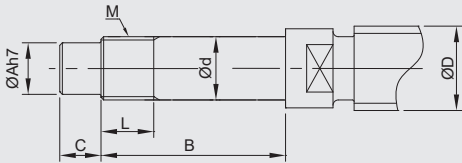


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ① ② ③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended Processing Dimensions of Shaft



Unit : mm

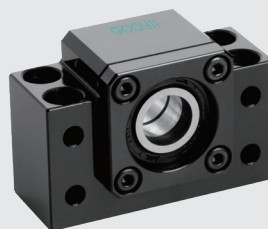
				Recommended Processing Dimensions of Shaft							
				Ball Screw Shaft O. D.		Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread	
Ød2	Z	M1	□S	ØD	Ød	ØA	B	C	M	L	T4
9.5	7	M3	12	8 / 10	6 ^{+0.005 -0.012}	5	27	8	M6*P0.75	6	5
11	12	M3	14	10 / 12	8 ^{+0.005 -0.012}	6.5	31.5	7.5	M8*P1.0	7	5.5
14	11	M3	16	12 / 14 / 15	10 ^{+0.005 -0.012}	8	36	15	M10*P1.0	11	5.5
14	11	M3	19	14 / 15 / 16	12 ^{+0.005 -0.012}	10	36	15	M12*P1.0	11	5.5
17	15	M3	22	18 / 20	15 ^{+0.005 -0.014}	12	47	20	M15*P1.0	13	6
17	15	M4	30	25 / 28 / 30	20 ^{+0.005 -0.014}	17	62	25	M20*P1.0	17	11
-	-	M5	35	28 / 30 / 32	25 ^{+0.005 -0.014}	22	75	18	M25*P1.5	20	15

• Supported Side spec refer to P.0047~P.0048

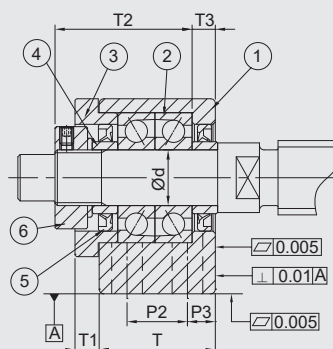
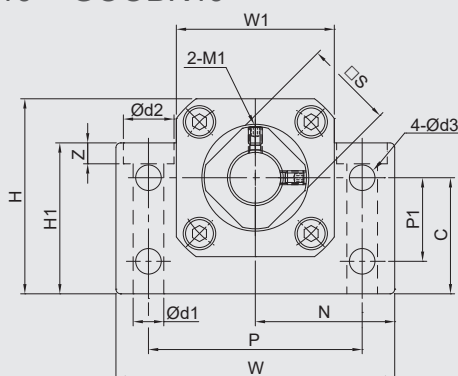
Fixed Side Standard Type (Two-Way Mounting Design) | Rectangle Design | GOOBK

Model No.	Parts No. ① ③ ④ ⑥	
	Material	Surface Finish
GOOBK□□ - S□B	S50C	Black Dyed
GOOBK□□ - S□N		Ni-Plating

GOOBK-B



GOOBK10 ~ GOOBK40



Specification

Standard Type			Dimensions														
Light pre-loaded	Medium pre-loaded	Hard pre-loaded	Ød	T	T1	T2	T3	W	W1	H	H1	N ±0.02	C ⁰ _{-0.02}	P	P1	P2	P3
GOOBK10-SL 	GOOBK10-SM 	GOOBK10-SH 	10	25	5	29.5	5	60	34	39	32.5	30	22	46	15	13	6
GOOBK12-SL 	GOOBK12-SM 	GOOBK12-SH 	12	25	5	29.5	5	60	34	42	32.5	30	25	46	18	13	6
GOOBK15-SL 	GOOBK15-SM 	GOOBK15-SH 	15	27	6	32	6	70	38	47	38	35	28	54	18	15	6
GOOBK17-SL 	GOOBK17-SM 	GOOBK17-SH 	17	35	9	44	7	86	48	63	55	43	39	68	28	19	8
GOOBK20-SL 	GOOBK20-SM 	GOOBK20-SH 	20	35	8	43	8	88	50	59	50	44	34	70	22	19	8
GOOBK25-SL 	GOOBK25-SM 	GOOBK25-SH 	25	42	12	54	9	106	62	79	70	53	48	85	33	22	10
GOOBK30-SL 	GOOBK30-SM 	GOOBK30-SH 	30	45	14	61	9	128	74	88	78	64	51	102	33	23	11
GOOBK35-SL 	GOOBK35-SM 	GOOBK35-SH 	35	50	14	67	12	140	86	95	79	70	52	114	35	26	12
GOOBK40-SL 	GOOBK40-SM 	GOOBK40-SH 	40	61	18	76	15	160	98	109	90	80	60	130	37	33	14

Ordering
ExampleGOOBK
Model No.10
Shaft Dia.SL
Grade/Pre-loadedN
Surface finishJ
Bearing category

GOOBK-N

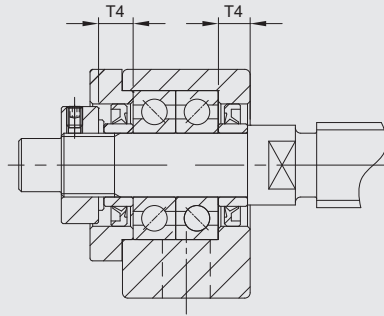
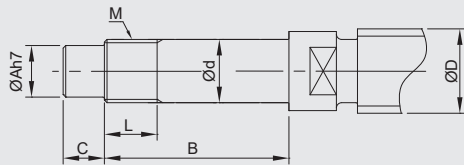


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ① ② ③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended Processing Dimensions of Shaft



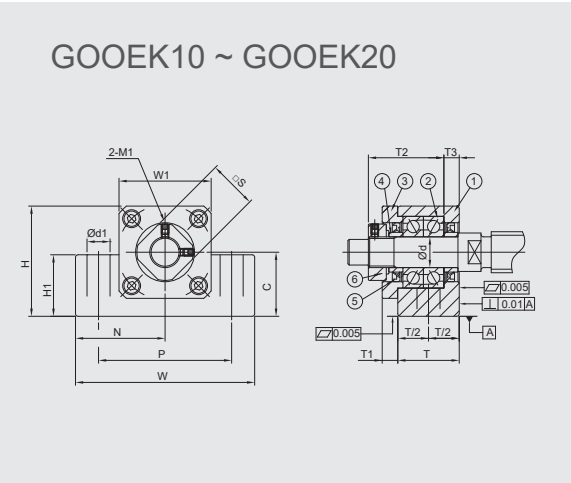
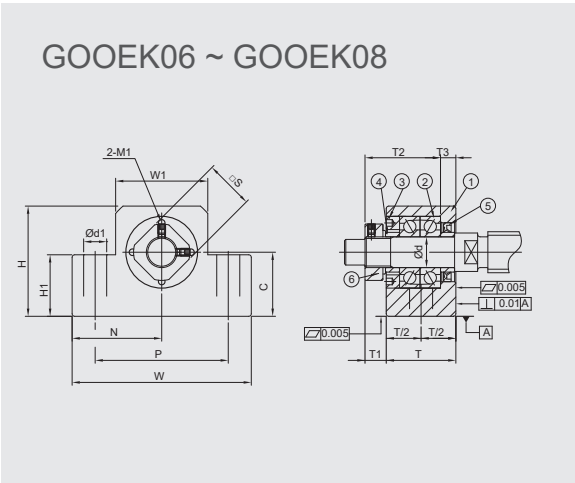
Unit : mm

						Recommended Processing Dimensions of Shaft							
						Ball Screw Shaft O. D.		Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread	
Ød1	Ød2	Z	Ød3	M1	□S	ØD	Ød	ØA	B	C	M	L	T4
6.3	10.5	6.5	5.5	M3	16	12 / 14 / 15	10 ^{+0.005 -0.012}	8	36	15	M10*P1.0	16	5.5
6.3	10.5	1.5	5.5	M3	19	14 / 15 / 16	12 ^{+0.005 -0.012}	10	36	15	M12*P1.0	14	5.5
6.3	10.5	6.5	5.5	M3	22	18 / 20	15 ^{+0.005 -0.014}	12	40	20	M15*P1.0	12	6
8.7	14	8.6	6.6	M4	24	20 / 25	17 ^{+0.005 -0.014}	15	53	23	M17*P1.0	17	7
8.7	14	8.5	6.6	M4	30	25 / 28	20 ^{+0.005 -0.014}	17	53	25	M20*P1.0	15	8
10.7	17.5	10.8	9	M5	35	32 / 36	25 ^{+0.005 -0.014}	20	65	30	M25*P1.5	18	9
13.7	20	13	11	M6	40	36 / 40	30 ^{+0.005 -0.015}	25	72	38	M30*P1.5	25	9
13.7	20	13	11	M8	50	45	35 ^{+0.005 -0.015}	30	81	45	M35*P1.5	28	12
17.7	26	17.5	14	M8	50	50	40 ^{+0.005 -0.015}	35	93	50	M40*P1.5	35	15

• Supported Side spec refer to P.0049~P.0050

Fixed Side Standard Type | Protruding Design | GOOEK

Model No.	Parts No. ① ③ ④ ⑥	
	Material	Surface Finish
GOOEK □ □ - S □ B	S50C	Black Dyed
GOOEK □ □ - S □ N		Ni-Plating



Specification

Standard Type			Dimensions											
Light pre-loaded	Medium pre-loaded	Hard pre-loaded	Ød	T	T1	T2	T3	W	W1	H	H1	N±0.02	C ⁰ _{-0.02}	P
GOOEK06-SL 	GOOEK06-SM 	GOOEK06-SH 	6	20	5.5	22	3.5	42	20	25	12	21	13	30
GOOEK08-SL 	GOOEK08-SM 	GOOEK08-SH 	8	23	7	26	4	52	27	32	16	26	17	38
GOOEK10-SL 	GOOEK10-SM 	GOOEK10-SH 	10	24	6	29.5	6	70	36	43	24	35	25	52
GOOEK12-SL 	GOOEK12-SM 	GOOEK12-SH 	12	24	6	29.5	6	70	36	43	24	35	25	52
GOOEK15-SL 	GOOEK15-SM 	GOOEK15-SH 	15	25	6	32	5	80	40	50	25	40	30	60
GOOEK20-SL 	GOOEK20-SM 	GOOEK20-SH 	20	42	10	50	10	95	56	58	25	47.5	30	75

Ordering Example	GOOEK	10	SL	N	J
	Model No.	Shaft Dia.	Grade/Pre-loaded	Surface finish	Bearing category

GOOEK-N

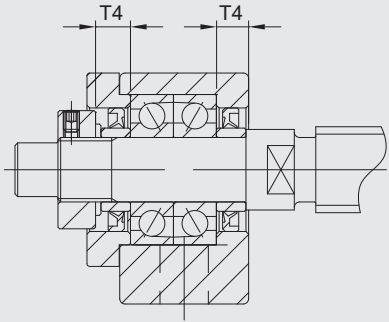
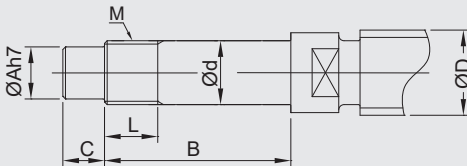


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ①②③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended Processing Dimensions of Shaft



Unit : mm

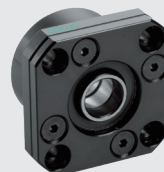
			Recommended Processing Dimensions of Shaft							
			Ball Screw Shaft O. D.	Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread		Space Ring Length
Ød1	M1	□S	ØD	Ød	ØA	B	C	M	L	T4
5.2	M3	12	5	6 ^{-0.005 -0.012}	4	28	8	M6*P0.75	8	5
6.3	M3	14	10 / 12	8 ^{-0.005 -0.012}	6	32	9	M8*P1.0	10	5.5
9	M3	16	12 / 14 / 15	10 ^{-0.005 -0.012}	8	36	15	M10*P1.0	11	5.5
9	M3	19	14 / 15 / 16	12 ^{-0.005 -0.012}	10	36	15	M12*P1.0	11	5.5
11	M3	22	18 / 20	15 ^{-0.005 -0.014}	12	40	20	M15*P1.0	13	6
11	M4	30	25 / 28 / 30	20 ^{-0.005 -0.014}	17	62	25	M20*P1.0	17	11

- Supported Side spec refer to P.0051~P.0052

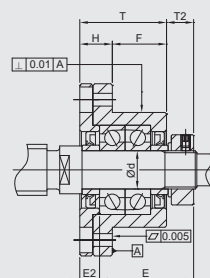
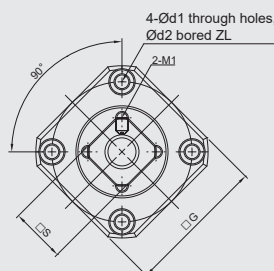
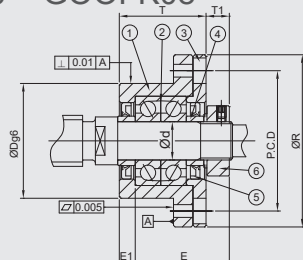
Fixed Side Standard Type | Flange Design | GOOFK

Model No.	Parts No. ① ③ ④ ⑥	
	Material	Surface Finish
GOOFK□ - S□B	S50C	Black Dyed
GOOFK□ - S□N		Ni-Plating

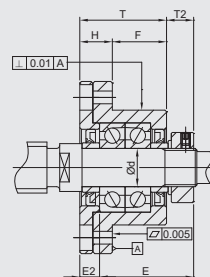
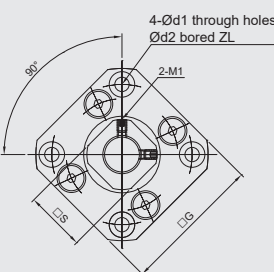
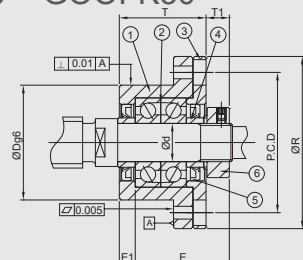
GOOFK-B



GOOFK06 ~ GOOFK08



GOOFK10 ~ GOOFK30



Specification

Standard Type			Dimensions												
Light pre-loaded	Medium pre-loaded	Hard pre-loaded	Ød	ØR	□G	T	H	F	ØD ^{-0.01 -0.03}	E	Installation (A)		Installation (B)		PCD
											T1	E1	T2	E2	
GOOFK06-SL□	GOOFK06-SM□	GOOFK06-SH □	6	36	28	20	7	13	22	22	5.5	3.5	6.5	4.5	28
GOOFK08-SL□	GOOFK08-SM□	GOOFK08-SH □	8	43	35	23	9	14	28	26	7	4	8	5	35
GOOFK10-SL□	GOOFK10-SM□	GOOFK10-SH □	10	52	42	27	10	17	34	29.5	7.5	5	8.5	6	42
GOOFK12-SL□	GOOFK12-SM□	GOOFK12-SH □	12	54	44	27	10	17	36	29.5	7.5	5	8.5	6	44
GOOFK15-SL□	GOOFK15-SM□	GOOFK15-SH □	15	63	52	32	15	17	40	36	10	6	12	8	50
GOOFK17-SL□	GOOFK17-SM□	GOOFK17-SH □	17	77	61	45	22	23	50	47	11	9	14	12	62
GOOFK20-SL□	GOOFK20-SM□	GOOFK20-SH □	20	85	68	52	22	30	57	50	8	10	12	14	70
GOOFK25-SL□	GOOFK25-SM□	GOOFK25-SH □	25	98	79	57	27	30	63	60	13	10	20	17	80
GOOFK30-SL□	GOOFK30-SM□	GOOFK30-SH □	30	117	93	62	30	32	75	61	11	12	17	18	95

Ordering
ExampleGOOFK
Model No.10
Shaft Dia.SL
Grade/Pre-loadedN
Surface finishJ
Bearing category

Fixed Side Standard Type | Flange Design | GOOFK

GOOFK-N

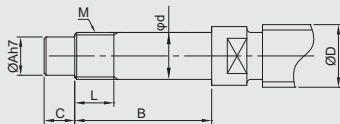


Components

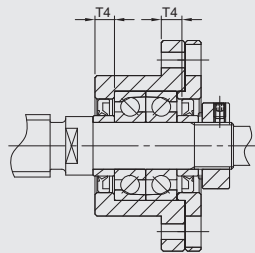
No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ①②③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

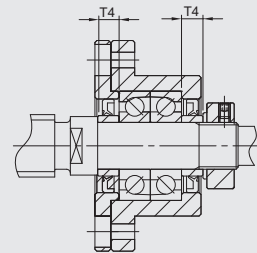
Recommended Processing Dimensions of Shaft



Installation(A)



Installation(B)



Unit : mm

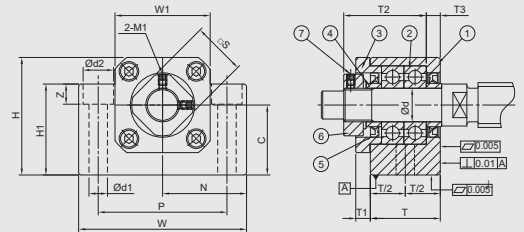
					Recommended Processing Dimensions of Shaft							
					Ball Screw Shaft O. D.	Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread		Space Ring Length
Ød1	Ød2	Z	M1	□ S	ØD	Ød	ØA	B	C	M	L	T4
3.4	6	3.3	M3	12	8	6 ^{-0.005/-0.012}	4	28	8	M6*P0.75	8	5
3.4	6	3.3	M3	14	10 / 12	8 ^{-0.005/-0.012}	6	32	9	M8*P1.0	10	5.5
4.5	8	4	M3	16	12 / 14 / 15	10 ^{-0.005/-0.012}	8	36	15	M10*P1.0	11	5.5
4.5	8	4	M3	19	14 / 15 / 16	12 ^{-0.005/-0.012}	10	36	15	M12*P1.0	11	5.5
5.5	9.5	6	M3	22	18 / 20	15 ^{-0.005/-0.014}	12	47	20	M15*P1.0	13	10
6.6	11	10	M4	24	20 / 25	17 ^{-0.005/-0.014}	15	53	23	M17*P1.0	17	7
6.5	11	10	M4	30	25 / 28 / 30	20 ^{-0.005/-0.014}	17	62	25	M20*P1.0	17	11
9	15	13	M5	35	30 / 32 / 36	25 ^{-0.005/-0.014}	20	76	30	M25*P1.5	20	15
11	17.5	15	M6	40	36 / 40	30 ^{-0.005/-0.015}	25	72	38	M30*P1.5	25	9

- Supported Side spec refer to P.0053~P.0054

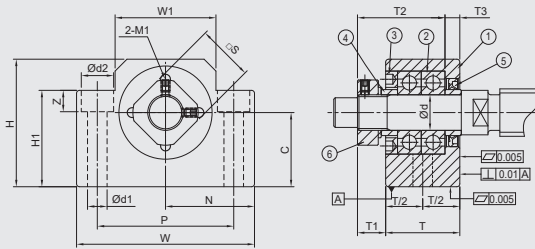
Fixed Side Economic Type | Rectangle Design | GOOAK

Model No.	Parts No. ①③④⑥	
	Material	Surface Finish
GOOAK□□ - E□B	S50C	Black Dyed
GOOAK□□ - E□N		Ni-Plating

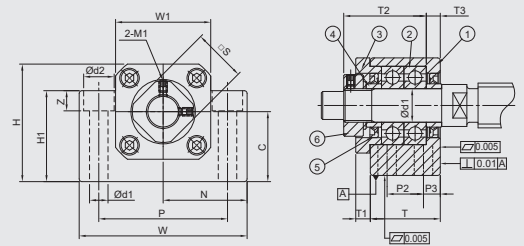
GOOAK10 ~ GOOAK15



GOOAK06 ~ GOOAK08



GOOAK20



Specification

Economic Type		Dimensions															
High Rigidity	Universal	Ød	T	T1	T2	T3	W	W1	H	H1	N±0.02	C ₀ 0.04	P	P2	P3	Ød1	Ød2
GOOAK06-ER□	GOOAK06-EG□	6	20	5.5	22	3.5	42	18	25	20	21	13	30	-	-	5.5	9.5
GOOAK08-ER□	GOOAK08-EG□	8	23	7	26	4	52	25	32	26	26	17	38	-	-	6.6	11
GOOAK10-ER□	GOOAK10-EG□	10	24	6	29.5	6	70	36	43	35	35	25	52	-	-	8.7	14
GOOAK12-ER□	GOOAK12-EG□	12	24	6	29.5	6	70	36	43	35	35	25	52	-	-	8.7	14
GOOAK15-ER□	GOOAK15-EG□	15	25	6	32	5	80	40	50	40	40	30	60	-	-	10.7	17
GOOAK20-ER□	GOOAK20-EG□	20	42	10	50	10	95	56	58	45	47.5	30	75	22	10	10.7	17

Ordering
Example

GOOAK
Model No.

10
Shaft Dia.

ER
Grade/Pre-loaded

N
Surface finish

J
Bearing category

GOOAK-B



GOOAK-N

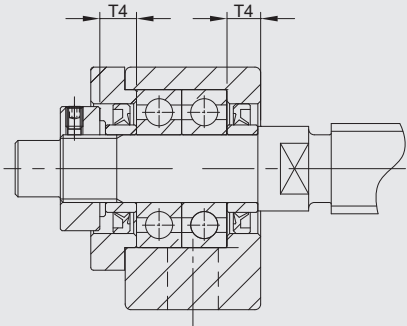
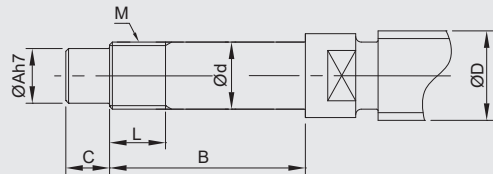


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ① ② ③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended Processing Dimensions of Shaft



Unit : mm

			Recommended Processing Dimensions of Shaft							
			Ball Screw Shaft O. D.	Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread		Space Ring Length
Z	M1	□S	ØD	Ød	ØA	B	C	M	L	T4
7	M3	12	8 / 10	6 ^{-0.005} _{-0.012}	5	27	8	M6*P0.75	6	5
12	M3	14	10 / 12	8 ^{-0.005} _{-0.012}	6.5	31.5	7.5	M8*P1.0	7	5.5
11	M3	16	12 / 14 / 15	10 ^{-0.005} _{-0.012}	8	36	15	M10*P1.0	11	5.5
11	M3	19	14 / 15 / 16	12 ^{-0.005} _{-0.012}	10	36	15	M12*P1.0	11	5.5
15	M3	22	18 / 20	15 ^{-0.005} _{-0.014}	12	47	20	M15*P1.0	13	6
15	M4	30	25 / 28 / 30	20 ^{-0.005} _{-0.014}	17	62	25	M20*P1.0	17	11

• Supported Side spec refer to P.0047~P.0048

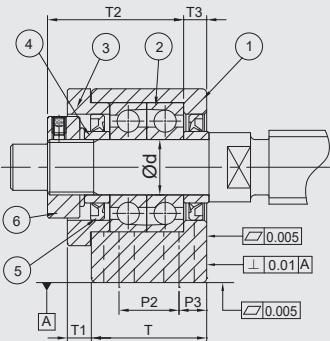
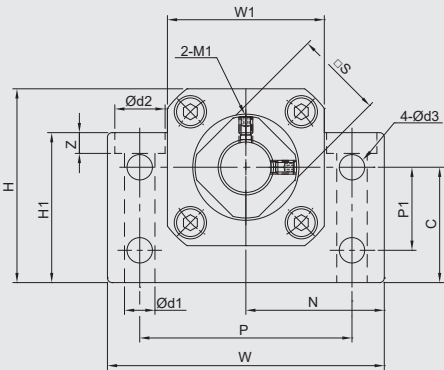
Fixed Side Economic Type (Two-Way Mounting Design) | Rectangle Design | GOOBK

Model No.	Parts No. ① ③ ④ ⑥	
	Material	Surface Finish
GOOBK □ □ - E □ B	S50C	Black Dyed
GOOBK □ □ - E □ N		Ni-Plating

GOOBK-B



GOOBK10 ~ GOOBK20



Specification

Economic Type		Dimensions															
High Rigidity	Universal	Ød	T	T1	T2	T3	W	W1	H	H1	N±0.02	C ⁰ _{-0.04}	P	P1	P2	P3	Ød1
GOOBK10-ER □	GOOBK10-EG □	10	25	5	29.5	5	60	34	39	32.5	30	22	46	15	13	6	6.3
GOOBK12-ER □	GOOBK12-EG □	12	25	5	29.5	5	60	34	42	32.5	30	25	46	18	13	6	6.3
GOOBK15-ER □	GOOBK15-EG □	15	27	6	32	6	70	38	47	38	35	28	54	18	15	6	6.3
GOOBK17-ER □	GOOBK17-EG □	17	35	9	44	7	86	48	63	55	43	39	68	28	19	8	8.7
GOOBK20-ER □	GOOBK20-EG □	20	35	8	43	8	88	50	59	50	44	34	70	22	19	8	8.7

Ordering Example

GOOBK
Model No.

10
Shaft Dia.

ER

Grade/Pre-loaded

N

Surface finish

J

Bearing category

GOOBK-N

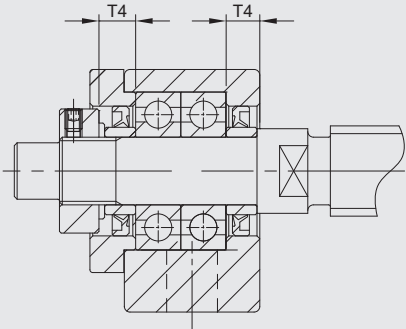
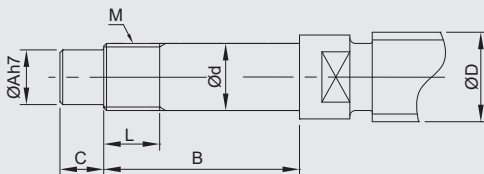


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ① ② ③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended Processing Dimensions of Shaft



Unit : mm

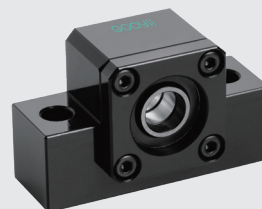
					Recommended Processing Dimensions of Shaft							
					Ball Screw Shaft O. D.		Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread	
Ød2	Z	Ød3	M1	□S	ØD	Ød	ØA	B	C	M	L	T4
10.5	6.5	5.5	M3	16	12 / 14 / 15	10 ^{+0.005 -0.012}	8	36	15	M10*P1.0	16	5.5
10.5	1.5	5.5	M3	19	14 / 15 / 16	12 ^{+0.005 -0.012}	10	36	15	M12*P1.0	14	5.5
10.5	6.5	5.5	M3	22	18 / 20	15 ^{+0.005 -0.014}	12	40	20	M15*P1.0	12	6
14	8.6	6.6	M4	24	20 / 25	17 ^{+0.005 -0.014}	15	53	23	M17*P1.0	17	7
14	8.5	6.6	M4	30	25 / 28	20 ^{+0.005 -0.014}	17	53	25	M20*P1.0	15	8

- Supported Side spec refer to P.0049~P.0050

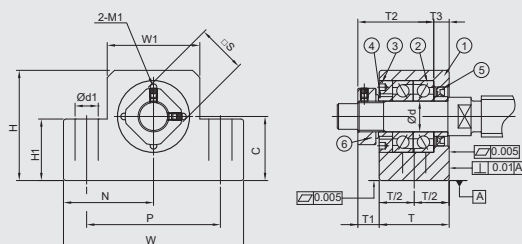
Fixed Side Economic Type | Protruding Design | GOOEK

Model No.	Parts No. ① ③ ④ ⑥	
	Material	Surface Finish
GOOEK□□ - E □ B	S50C	Black Dyed
GOOEK□□ - E □ N		Ni-Plating

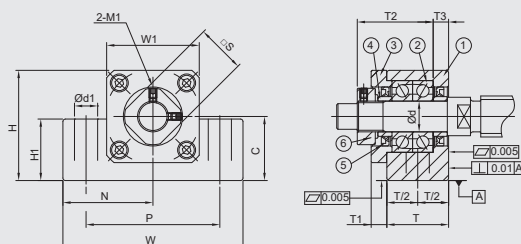
GOOEK-B



GOOEK06 ~ GOOEK20



GOOEK10 ~ GOOEK20



Specification

Economic Type		Dimensions												
High Rigidity	Universal	Ød	T	T1	T2	T3	W	W1	H	H1	N±0.02	C ⁰ _{-0.04}	P	Ød1
GOOEK06-ER□	GOOEK06-EG□	6	20	5.5	22	3.5	42	20	25	12	21	13	30	5.2
GOOEK08-ER□	GOOEK08-EG□	8	23	7	26	4	52	27	32	16	26	17	38	6.3
GOOEK10-ER□	GOOEK10-EG□	10	24	6	29.5	6	70	36	43	24	35	25	52	9
GOOEK12-ER□	GOOEK12-EG□	12	24	6	29.5	6	70	36	43	24	35	25	52	9
GOOEK15-ER□	GOOEK15-EG□	15	25	6	32	5	80	40	50	25	40	30	60	11
GOOEK20-ER□	GOOEK20-EG□	20	42	10	50	10	95	56	58	25	47.5	30	75	11

Ordering
ExampleGOOEK
Model No.10
Shaft Dia.ER
Grade/Pre-loadedN
Surface finishJ
Bearing category

GOOEK-N

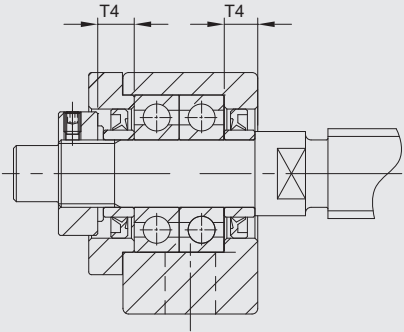
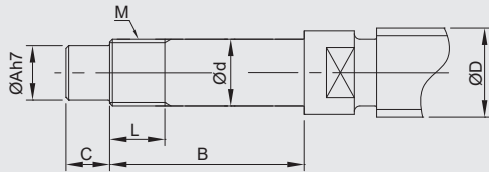


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ① ② ③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended Processing Dimensions of Shaft



Unit : mm

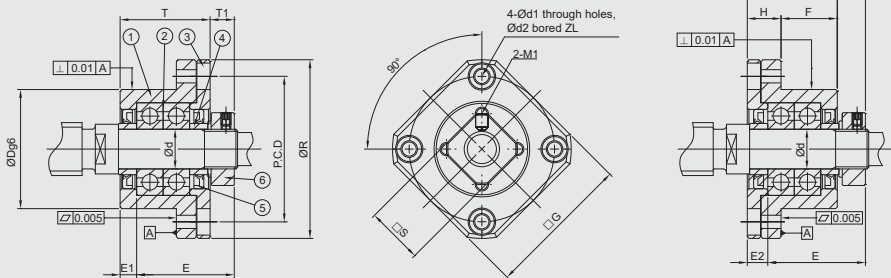
		Recommended Processing Dimensions of Shaft							
		Ball Screw Shaft O. D.	Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread		Space Ring Length
M1	□S	ØD	Ød	ØA	B	C	M	L	T4
M3	12	8	6 ^{+0.005} _{-0.012}	4	28	8	M6*P0.75	8	5
M3	14	10 / 12	8 ^{+0.005} _{-0.012}	6	32	9	M8*P1.0	10	5.5
M3	16	12 / 14 / 15	10 ^{+0.005} _{-0.012}	8	36	15	M10*P1.0	11	5.5
M3	19	14 / 15 / 16	12 ^{+0.005} _{-0.012}	10	36	15	M12*P1.0	11	5.5
M3	22	18 / 20	15 ^{+0.005} _{-0.014}	12	47	20	M15*P1.0	13	6
M4	30	25 / 28 / 30	20 ^{+0.005} _{-0.014}	17	62	25	M20*P1.0	17	11

• Supported Side spec refer to P.0051~P.0052

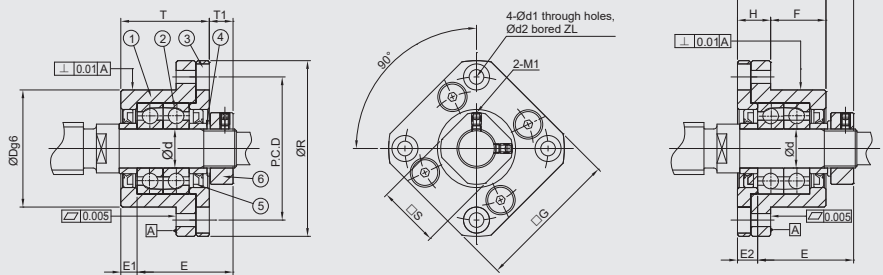
Fixed Side Economic Type | Flange Design | GOOFK

Model No.	Parts No. ① ③ ④ ⑥	
	Material	Surface Finish
GOOFK□□ - E □ B	S50C	Black Dyed
GOOFK□□ - E □ N		Ni-Plating

GOOFK06 ~ GOOFK08



GOOFK10 ~ GOOFK30



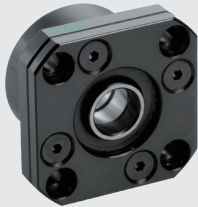
Specification

Economic Type		Dimensions													
High Rigidity	Universal	ϕd	ϕR	$\square G$	T	H	F	$\phi D_{-0.01/-0.03}$	E	Installation (A)		Installation (B)		PCD	$\phi d1$
										T1	E1	T2	E2		
GOOFK06-ER □	GOOFK06-EG □	6	36	28	20	7	13	22	22	5.5	3.5	6.5	4.5	28	3.4
GOOFK08-ER □	GOOFK08-EG □	8	43	35	23	9	14	28	26	7	4	8	5	35	3.4
GOOFK10-ER □	GOOFK10-EG □	10	52	42	27	10	17	34	29.5	7.5	5	8.5	6	42	4.5
GOOFK12-ER □	GOOFK12-EG □	12	54	44	27	10	17	36	29.5	7.5	5	8.5	6	44	4.5
GOOFK15-ER □	GOOFK15-EG □	15	63	52	32	15	17	40	36	10	6	12	8	50	5.5
GOOFK17-ER □	GOOFK17-EG □	17	77	61	45	22	23	50	47	11	9	14	12	62	6.6
GOOFK20-ER □	GOOFK20-EG □	20	85	68	52	22	30	57	50	8	10	12	14	70	6.6
GOOFK25-ER □	GOOFK25-EG □	25	98	79	57	27	30	63	59	13	10	20	17	80	9
GOOFK30-ER □	GOOFK30-EG □	30	117	93	62	30	32	75	61	11	12	17	18	95	11

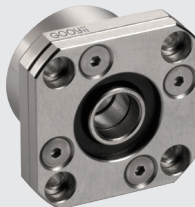
Ordering Example	GOOFK	-	10	-	ER	-	N	-	J
	Model No.		Shaft Dia.		Grade/Pre-loaded		Surface finish		Bearing category

Fixed Side Economic Type | Flange Design | GOOFK

GOOFK-B



GOOFK-N

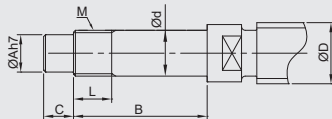


Components

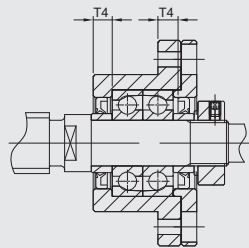
No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ①②③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

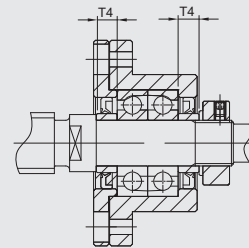
Recommended Processing Dimensions of Shaft



Installation(A)



Installation(B)



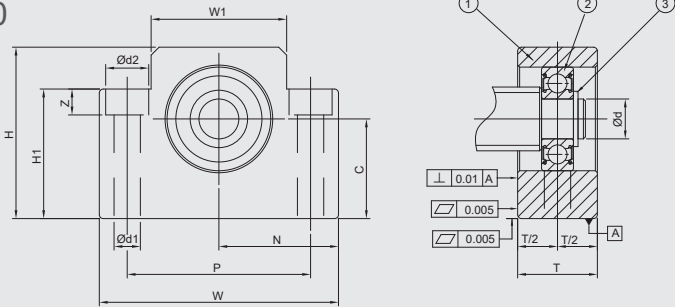
Unit : mm

				Recommended Processing Dimensions of Shaft							
				Ball Screw Shaft O. D.	Shaft End Diameter	Processing Sizes of Shaft			Nominal Thread		Space Ring Length
Ød2	Z	M1	□S	ØD	Ød	ØA	B	C	M	L	T4
6	3.3	M3	12	8	6 ^{+0.005} _{-0.012}	4	28	8	M6*P0.75	8	5
6	3.3	M3	14	10 / 12	8 ^{+0.005} _{-0.012}	6	32	9	M8*P1.0	10	5.5
8	4	M3	16	12 / 14 / 15	10 ^{+0.005} _{-0.012}	8	36	15	M10*P1.0	11	5.5
8	4	M3	19	14 / 15 / 16	12 ^{+0.005} _{-0.012}	10	36	15	M12*P1.0	11	5.5
9.5	6	M3	22	18 / 20	15 ^{+0.005} _{-0.012}	12	47	20	M15*P1.0	13	10
11	10	M4	24	20 / 25	17 ^{+0.005} _{-0.012}	15	53	23	M17*P1.0	17	7
11	10	M4	30	25 / 28 / 30	20 ^{+0.005} _{-0.012}	17	62	25	M20*P1.0	17	11
15	13	M5	35	28 / 30 / 32	25 ^{+0.005} _{-0.012}	22	75	18	M25*P1.5	20	15
17.5	15	M6	40	36 / 40	30 ^{+0.005} _{-0.012}	25	72	38	M30*P1.5	25	9

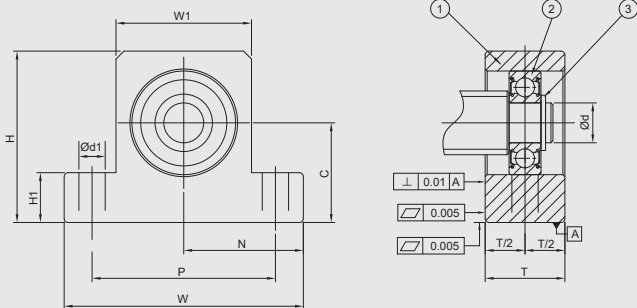
• Supported Side spec refer to P.053~P.0054

Model No.	Parts No. ①	
	Material	Surface Finish
GOOAF□□ - SB	S50C	Black Dyed
GOOAF□□ - SN		Ni-Plating

GOOAF06 ~ GOOAF20



GOOAF25



Specification

Standard Type	Dimensions									
	Ød	T	W	W1	H	H1	P	Ød1	Ød2	Z
GOOAF06-S □	6	12	42	18	25	20	30	5.2	9.5	7
GOOAF08-S □	6	15	52	25	32	26	38	6.3	11	12
GOOAF10-S □	8	20	70	36	43	35	52	8.7	14	11
GOOAF12-S □	10	20	70	36	43	35	52	8.7	14	11
GOOAF15-S □	15	20	80	41	50	40	60	8.7	14	11
GOOAF20-S □	20	26	95	56	58	45	75	10.7	17	15
GOOAF25-S □	25	30	105	66	68	25	85	11	-	-

Ordering Example	GOOAF	-	10	-	S	-	N	-	J
	Model No.		Shaft Dia.		Grade		Surface finish		Bearing category

GOOAF-B



GOOAF-N

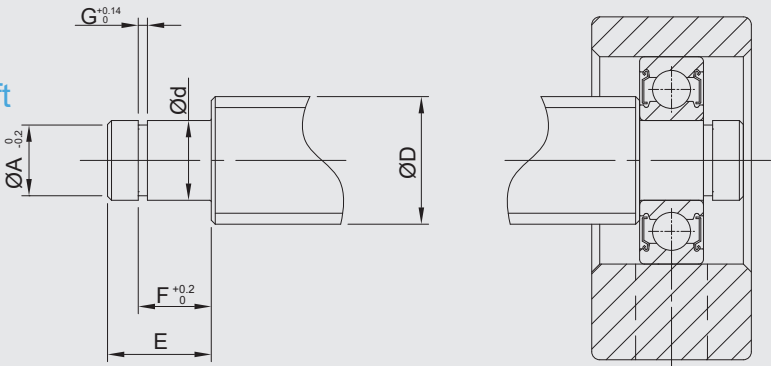


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1
③	Snap ring	SWB	1

- Bearing filled with proper lithium soap lubricant maintenance free.
- Bearing with two steel covers in black dyed.
- Bearing with two touch-type plastic covers in Ni-plating.

Recommended Processing Dimensions of Shaft



Unit : mm

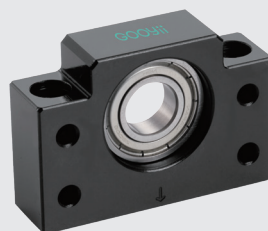
		Recommended Processing Dimensions of Shaft						Snap Ring
		Ball Screw Shaft O. D.	Shaft End Diameter	Groove Sizes Machined for Snap Ring				
N ±0.02	C ⁰ _{-0.02}	ØD	Ød	ØA	E	F	G	
21	13	8	6 ^{-0.005} _{-0.012}	6	9	6.7	0.8	S 06
26	17	8 / 10	6 ^{-0.005} _{-0.012}	6	9	6.7	0.8	S 06
35	25	12 / 14 / 15	8 ^{-0.005} _{-0.012}	7.6	10	7.9	0.9	S 08
35	25	14 / 15 / 16	10 ^{-0.005} _{-0.012}	9.6	11	9.15	1.15	S 10
40	30	18 / 20	15 ^{-0.005} _{-0.014}	14.3	13	10.15	1.15	S 15
47.5	30	25 / 28 / 30	20 ^{-0.005} _{-0.014}	19	19	15.35	1.35	S 20
52.5	35	28 / 30 / 32	25 ^{-0.005} _{-0.014}	25	21	16.35	1.35	S 25

- Fixed Side standard type spec please refer to P.0031~P.0032
- Fixed Side economic type spec please refer to P.0039~P.0040

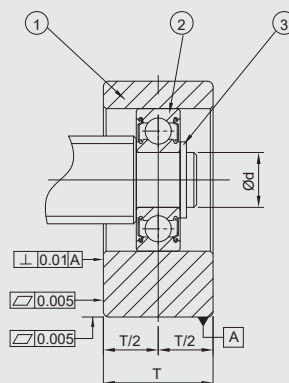
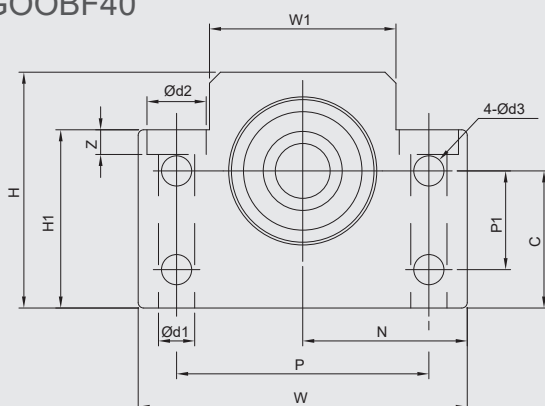
Support Side Standard Type (Two-Way Mounting Design)| Rectangle Design | GOOBF

Model No.	Parts No. ①	
	Material	Surface Finish
GOOBF□□ - SB	S50C	Black Dyed
GOOBF□□ - SN		Ni-Plating

GOOBF-B



GOOBF10 ~ GOOBF40

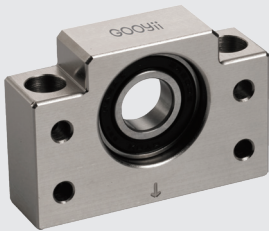


Specification

Standard Type	Dimensions											
	Ød	T	W	W1	H	H1	P	P1	Ød1	Ød2	Z	Ød3
GOOBF10-S □	8	20	60	34	39	32.5	46	15	6.3	10.8	5	5.5
GOOBF12-S □	10	20	60	34	43	32.5	46	18	6.3	10.8	1.5	5.5
GOOBF15-S □	15	20	70	40	48	38	54	18	6.3	11	6.5	5.5
GOOBF17-S □	17	23	86	50	64	55	68	28	8.7	14	8.6	6.6
GOOBF20-S □	20	26	88	52	60	50	70	22	8.7	14	8.6	6.6
GOOBF25-S □	25	30	106	64	80	70	85	33	10.7	17.5	11	9
GOOBF30-S □	30	32	128	76	89	78	102	33	13.7	20	13	11
GOOBF35-S □	35	32	140	88	95	79	114	35	13.7	20	13	11
GOOBF40-S □	40	37	160	100	109	90	130	37	17.7	26	17.5	14

Ordering Example	GOOBF	-	10	-	S	-	N	-	J
	Model No.		Shaft Dia.		Grade		Surface finish		Bearing category

GOOBF-N

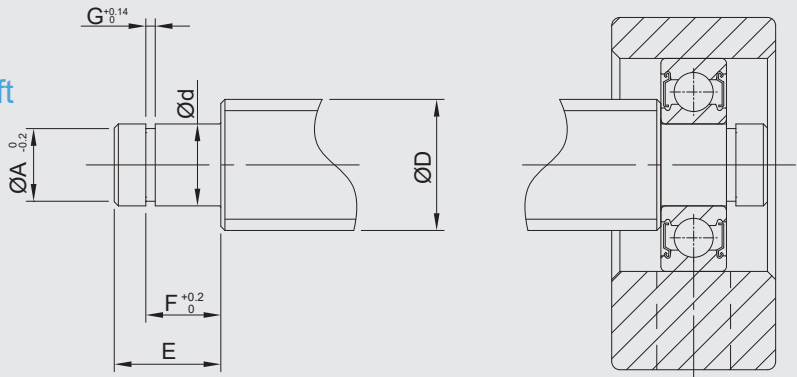


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1
③	Snap ring	SWB	1

- Bearing filled with proper lithium soap lubricant maintenance free.
- Bearing with two steel covers in black dyed.
- Bearing with two touch-type plastic covers in Ni-plating.

Recommended Processing Dimensions of Shaft

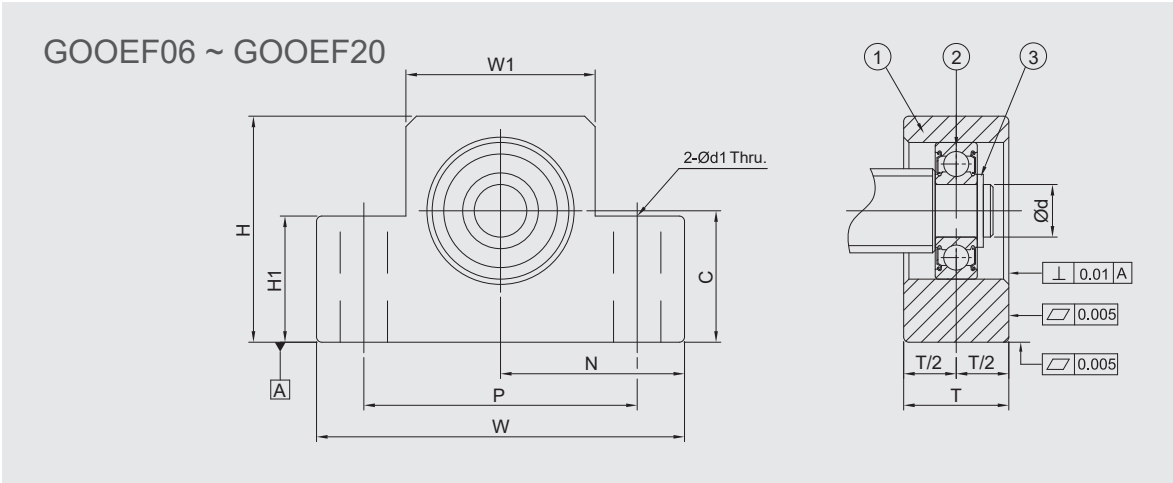


Unit : mm

		Recommended Processing Dimensions of Shaft						Snap Ring
		Ball Screw Shaft O. D.	Shaft End Diameter	Groove Sizes Machined for Snap Ring				
N±0.02	C ⁰ _{-0.02}			ØD	Ød	ØA	E	
30	22	12 / 14 / 15	8 ^{-0.005} _{-0.012}	7.6	10	7.9	0.9	S 08
30	25	14 / 15 / 16	10 ^{-0.005} _{-0.012}	9.6	11	9.15	1.15	S 10
35	28	18 / 20	15 ^{-0.005} _{-0.014}	14.3	13	10.15	1.15	S 15
43	39	20 / 25	17 ^{-0.005} _{-0.014}	16.2	16	13.15	1.15	S 17
44	34	25 / 28 / 30	20 ^{-0.005} _{-0.014}	19	19	13.15	1.35	S 20
53	48	30 / 32 / 36	25 ^{-0.005} _{-0.014}	23.9	20	16.35	1.35	S 25
64	51	36 / 40	30 ^{-0.005} _{-0.015}	28.6	21	17.75	1.75	S 30
70	52	40 / 45	35 ^{-0.005} _{-0.015}	33	22	18.75	1.75	S 35
80	60	50	40 ^{-0.005} _{-0.015}	38	23	19.95	1.95	S 40

- Fixed Side standard type spec please refer to P.0033~P.0034
- Fixed Side economic type spec please refer to P.0041~P.0042

Model No.	Parts No. ①	
	Material	Surface Finish
GOOEF□□ - SB	S50C	Black Dyed
GOOEF□□ - SN		Ni-Plating

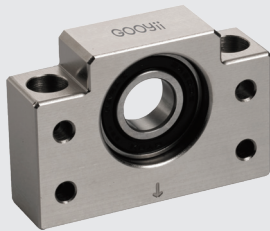


Specification

Standard Type	Dimensions							
	Ød	T	W	W1	H	H1	P	Ød1
GOOEF06-S □	6	12	42	20	25	12	30	5.2
GOOEF08-S □	6	14	52	27	32	16	38	6.3
GOOEF10-S □	8	20	70	36	43	24	52	9
GOOEF12-S □	10	20	70	36	43	24	52	9
GOOEF15-S □	15	20	80	41	49	25	60	9
GOOEF20-S □	20	26	95	56	58	25	75	11

Ordering Example	GOOEF	- 10	- S	- N	- J
	Model No.	Shaft Dia.	Grade	Surface finish	Bearing category

GOOEF-N

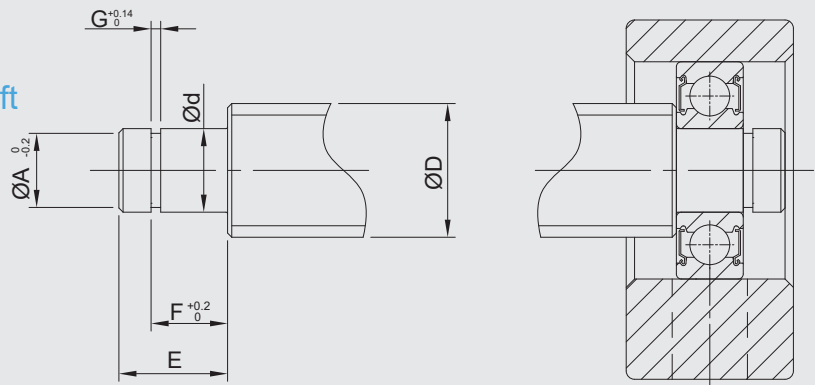


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1
③	Snap ring	SWB	1

- Bearing filled with proper lithium soap lubricant maintenance free.
- Bearing with two steel covers in black dyed.
- Bearing with two touch-type plastic covers in Ni-plating.

Recommended Processing Dimensions of Shaft



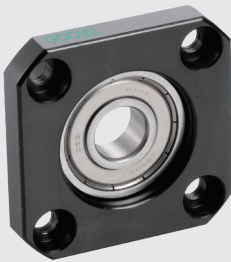
Unit : mm

		Recommended Processing Dimensions of Shaft						Snap Ring
		Ball Screw Shaft O. D.	Shaft End Diameter	Groove Sizes Machined for Snap Ring				
N±0.02	C ⁰ _{-0.02}	ØD	Ød	ØA	E	F	G	
21	13	8	6 ^{-0.005} _{-0.012}	5.7	9	6.8	0.8	S 06
26	17	10	6 ^{-0.005} _{-0.012}	5.7	9	6.8	0.8	S 06
35	25	12 / 14 / 15	8 ^{-0.005} _{-0.012}	7.6	10	7.9	0.9	S 08
35	25	14 / 15 / 16	10 ^{-0.005} _{-0.012}	9.6	11	9.15	1.15	S 10
40	30	18 / 20	15 ^{-0.005} _{-0.014}	14.3	13	10.15	1.15	S 15
47.5	30	25 / 28 / 30	20 ^{-0.005} _{-0.014}	19	19	15.35	1.35	S 20

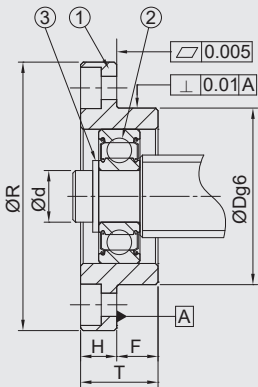
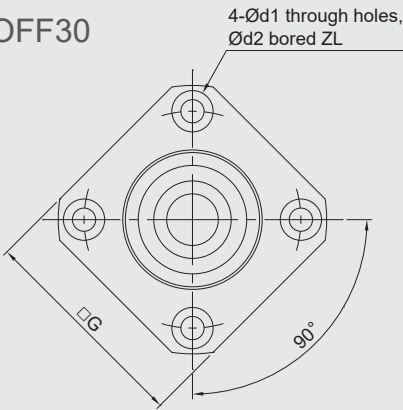
- Fixed Side standard type spec please refer to P.0035~P.0036
- Fixed Side economic type spec please refer to P.0043~P.0044

Model No.	Parts No. ①	
	Material	Surface Finish
GOOFF □ □ - □	S50C	Black Dyed
GOOFF □ □ - □		Ni-Plating

GOOFF-B



GOOFF06 ~ GOOFF30



Specification

Standard Type	Dimensions									
	Ød	ØR	□G	T	H	F	ØD ^{+0.01 -0.03}	PCD	Ød1	Ød2
GOOFF06-□	6	36	28	10	6	4	22	28	3.4	6
GOOFF10-□	8	43	35	12	7	5	28	35	3.4	6
GOOFF12-□	10	52	42	15	7	8	34	42	4.2	8
GOOFF15-□	15	63	52	17	9	8	40	50	5.2	9.5
GOOFF17-□	17	77	61	20	11	9	50	62	6.6	11
GOOFF20-□	20	85	68	20	11	9	57	70	6.6	11
GOOFF25-□	25	98	79	24	14	10	63	80	8.7	14
GOOFF30-□	30	117	93	27	18	9	75	95	10.7	17.5

Ordering Example	GOOFF	10	N	J
	Model No.	Shaft Dia.	Surface finish	Bearing category

Support Side Standard Type | Flange Design | GOOFF

GOOFF-N

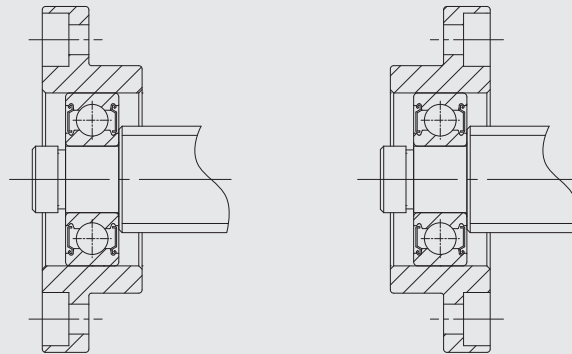
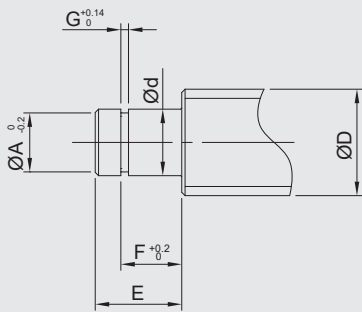


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1
③	Snap ring	SWB	1

- Bearing filled with proper lithium soap lubricant maintenance free.
- Bearing with two steel covers in black dyed.
- Bearing with two touch-type plastic covers in Ni-plating.

Recommended Processing Dimensions of Shaft



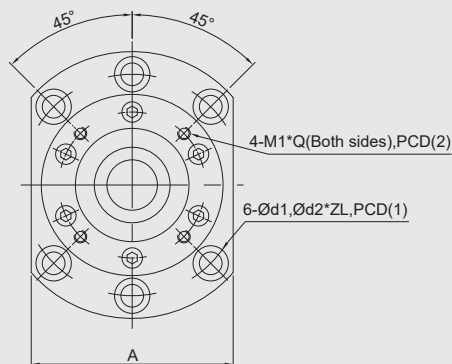
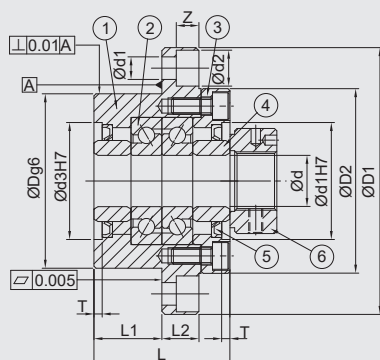
Unit : mm

	Recommended Processing Dimensions of Shaft						Snap Ring
	Ball Screw Shaft O. D.	Shaft End Diameter	Groove Sizes Machined for Snap Ring				
Z	ØD	Ød	ØA	E	F	G	
3.3	8	6 ^{+0.005 -0.012}	5.7	9	6.8	0.8	S 06
3.3	12 / 14 / 15	8 ^{+0.005 -0.012}	7.6	10	7.9	0.9	S 08
4.4	14 / 15 / 16	10 ^{+0.005 -0.012}	9.6	11	9.15	1.15	S 10
5.4	18 / 20	15 ^{+0.005 -0.014}	14.3	13	10.15	1.15	S 15
6.5	20 / 25	17 ^{+0.005 -0.014}	16.2	16	13.15	1.15	S 17
6.5	25 / 28 / 30	20 ^{+0.005 -0.014}	19	19	15.35	1.35	S 20
8.6	30 / 32 / 36	25 ^{+0.005 -0.014}	23.9	20	16.35	1.35	S 25
10.8	36 / 40	30 ^{+0.005 -0.015}	28.6	21	17.75	1.75	S 30

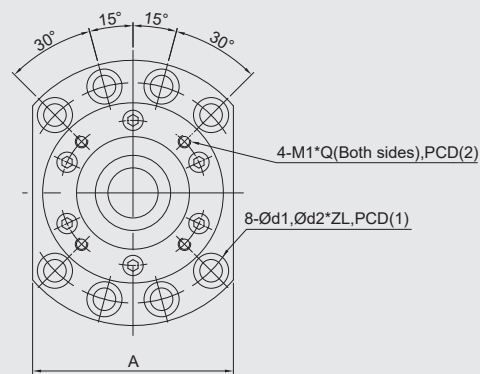
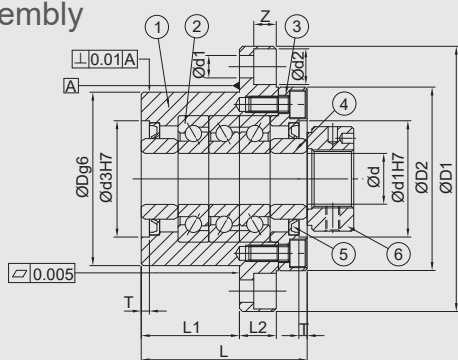
- Fixed Side standard type spec please refer to P.0037~P.0038
- Fixed Side economic type spec please refer to P.0045~P.0046

Fixed Side Heavy Loading | GOOWFF

DF Assembly



DFD Assembly



Specification

Model No.		Dimensions													
Black Dyed	Ni Plating	Ød	ØD	ØD1	ØD2	Ød3	L	L1	L2	A	PCD (1)	PCD (2)	Ød1	Ød2	Z
GOOWFF17B-DF	GWFF17N-DF	17	70	106	72	45	60	32	15	80	88	58	8.7	14	8.5
GOOWFF20B-DF	GWFF20N-DF	20	70	106	72	45	60	32	15	80	88	58	8.7	14	8.5
GOOWFF25B-DF	GWFF25N-DF	25	85	130	90	57	66	33	18	100	110	70	10.7	17.5	11
GOOWFF25B-DFD	GWFF25N-DFD	25	85	130	90	57	81	48	18	100	110	70	10.7	17.5	11
GOOWFF30B-DF	GWFF30N-DF	30	85	130	90	57	66	33	18	100	110	70	10.7	17.5	11
GOOWFF30B-DFD	GWFF30N-DFD	30	85	130	90	57	81	48	18	100	110	70	10.7	17.5	11
GOOWFF35B-DF	GWFF35N-DF	35	95	142	102	69	66	33	18	106	121	80	10.7	17.5	11
GOOWFF35B-DFD	GWFF35N-DFD	35	95	142	102	69	81	48	18	106	121	80	10.7	17.5	11
GOOWFF40B-DF	GWFF40N-DF	40	95	142	102	69	66	33	18	106	121	80	10.7	17.5	11
GOOWFF40B-DFD	GWFF40N-DFD	40	95	142	102	69	81	48	18	106	121	80	10.7	17.5	11

Ordering
ExampleGOOWFF
Model No.20
Shaft Dia.

N

Surface finish

DFD

Bearing Assembly

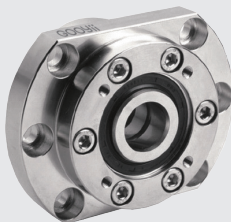
J

Bearing category

GOOWFF-B-DF



GOOWFF-N-DF

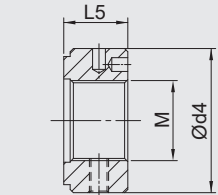
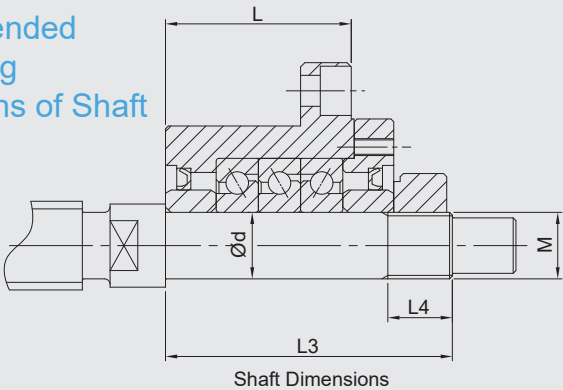


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1 pair
③	Cover	S50C	1
④	Space ring	S50C	2
⑤	Seal (<Ø8 one seal only)	NBR	2
⑥	Locknut	S50C	1

- ①②③ are in one unit. No disassemble for accuracy concern.
- Bearing filled with proper lithium soap lubricant and sealed.

Recommended
Processing
Dimensions of Shaft

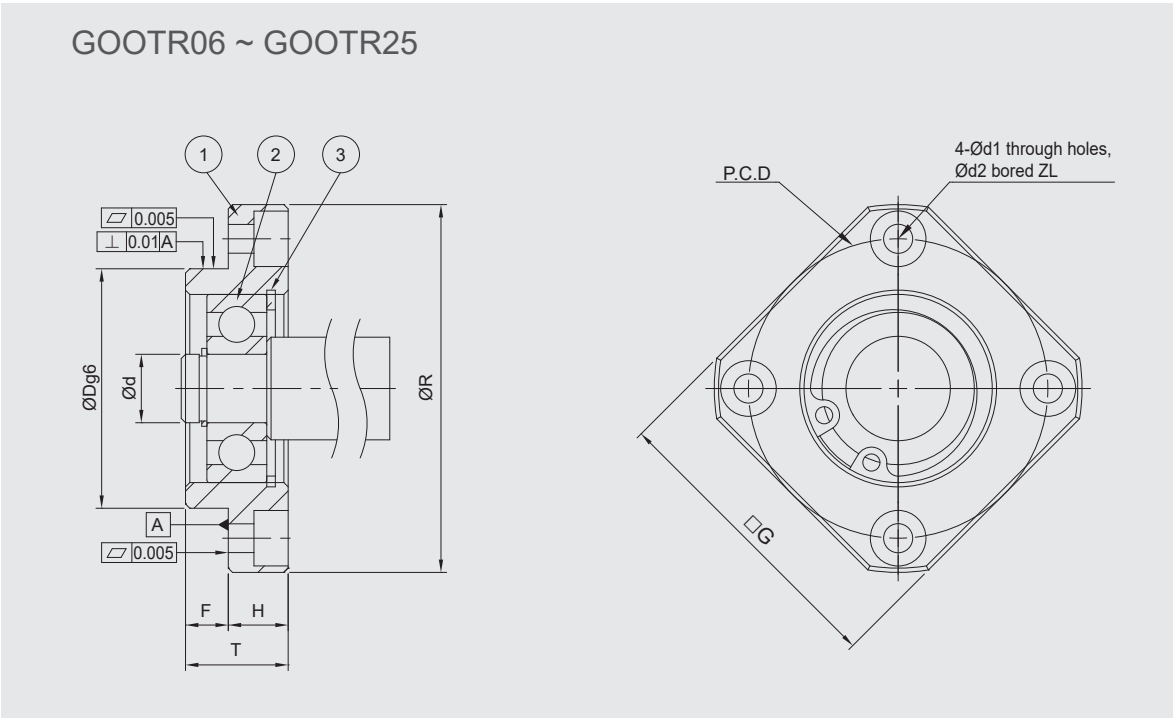


Lock Nut
Please refer to GCLN17~GCLN45

Unit : mm

			Basic Dynamic Load(C) (N)	Limited Load (N)	Pre-Load (N)	Axial Rigidity (N/um)	Start Torque (N·cm)	Shaft Dimensions			Lock Nut			Weight (kg)
T	M1	Q						Ød	L3	L4	M	Ød4	L5	
3	M5	10	21900	26600	2150	750	14	17	81	23	M17*P1.0	37	18	1.9
3	M5	10	21900	26600	2150	750	14	20	81	23	M20*P1.0	40	18	1.9
4	M6	14	28500	40500	3150	1000	23	25	89	26	M25*P1.5	45	20	3.1
4	M6	14	46500	81500	4300	1470	31	25	104	26	M25*P1.5	45	20	3.4
4	M6	14	29200	43000	3350	1030	24	30	89	26	M30*P1.5	50	20	3.0
4	M6	14	47500	86000	4500	1520	33	30	104	26	M30*P1.5	50	20	3.3
4	M6	14	31000	50000	3800	1180	28	35	92	30	M35*P1.5	55	22	3.4
4	M6	14	50500	100000	5200	1710	37	35	107	30	M35*P1.5	55	22	4.3
4	M6	14	31500	52000	3900	1230	28	40	92	30	M40*P1.5	60	22	3.6
4	M6	14	51500	104000	5300	1810	38	40	107	30	M40*P1.5	60	22	4.2

Model No.	Parts No. ①	
	Material	Surface Finish
GOOTR□□ -B	S50C	Black Dyed
GOOTR□□ -N		Ni-Plating



Specification

Standard Type	Dimensions									
	Ød	ØR	□G	T	H	F	ØD ^{-0.01/-0.03}	PCD	Ød1	Ød2
GOOTR06-□	6	36	28	10	6	4	22	28	3.4	6.5
GOOTR10-□	10	43	35	12	7	5	28	35	3.4	6.5
GOOTR12-□	12	52	42	15	7	8	34	42	4.5	8
GOOTR15-□	15	63	52	17	9	8	40	50	5.5	9.5
GOOTR20-□	20	85	68	20	11	9	57	70	6.6	11
GOOTR25-□	25	98	79	24	14	10	63	80	9	14

Ordering Example	GOOTR	-	10	-	N	-	J
	Model No.		Shaft Dia.		Surface finish		Bearing category

GOOTR-B



GOOTR-N

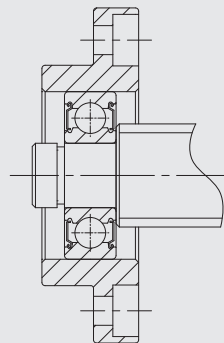
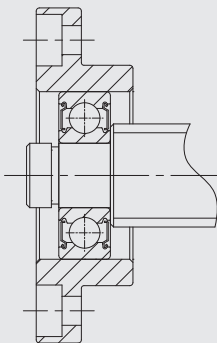
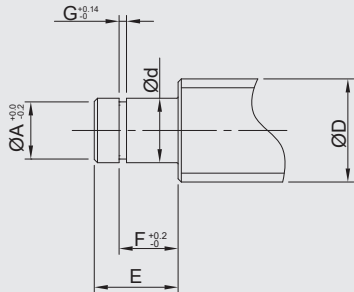


Components

No.	Parts	Material	Q'ty
①	Main housing	S50C	1
②	Bearing	SUJ2	1
③	Snap ring	SWB	1

- Bearing filled with proper lithium soap lubricant maintenance free.
- Bearing with two steel covers in black dyed.
- Bearing with two touch-type plastic covers in Ni-plating.

Recommended Processing Dimensions of Shaft



Unit : mm

	Recommended Processing Dimensions of Shaft						Snap Ring
	Ball Screw Shaft O. D.	Shaft End Diameter	Groove Sizes Machined for Snap Ring				
Z			ØD	Ød	ØA	E	
4	8	6 ^{+0.005 -0.012}	5.7	9	6.8	0.8	S 06
4	12 / 14 / 15	8 ^{+0.005 -0.012}	7.6	10	7.9	0.9	S 08
4	14 / 15 / 16	10 ^{+0.005 -0.012}	9.6	11	9.15	1.15	S 10
5.5	18 / 20	15 ^{+0.005 -0.014}	14.3	13	10.15	1.15	S 15
6.5	25 / 28 / 30	20 ^{+0.005 -0.014}	19	19	15.35	1.35	S 20
8.5	30 / 32 / 36	25 ^{+0.005 -0.014}	23.9	20	16.35	1.35	S 25

• Fixed Side spec please refer to P.0063~P.0064