



*Linear Rail
System*

SBC

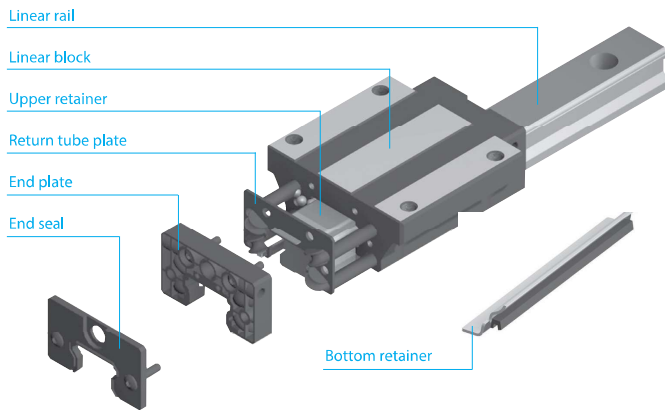
מסילות ליניאריות | Linear Rail Systems

157 - 162 High Load Linear Rail Systems • מסילות ליניאריות לעומסים גבוהים

163 - 164 Miniature Linear Rail Systems • מסילות ליניאריות מיניאטוריות

165 - 178 Support Units For Ball Screws • אביזרי קצה לברגים כדוריים

High load linear system



אפיון מוצר

SBI20 FL - N - MF - ZZ - 2 - K1 - 800 - N - R - B - II
 [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12]

- [1] Model
- [2] Block type : FL, FLL, FV, SL, SLL, SV, HL, HLS, HLL, CL, CLS, CLL
- [3] Position of grease fitting : None (front), N (side)
- [4] Container : No symbol (standard), DF (high dust protection), MF (self lubricant)
- [5] Seal : No symbol (standard), DD, ZZ, KK
- [6] Block quantity on rail
- [7] Preload : K0, K1, K2, K3
- [8] Rail length
- [9] Accuracy : N, H, P
- [10] Surface treatment
- [11] (B) Bottom mounting rail : No symbol (standard)
- [12] Rail : number of rails per axis, 1=I, 2=II... 4=IV etc.

* למידע נוסף על אופני הנירוז והאטימה יש לעיין בקטלוג המלא

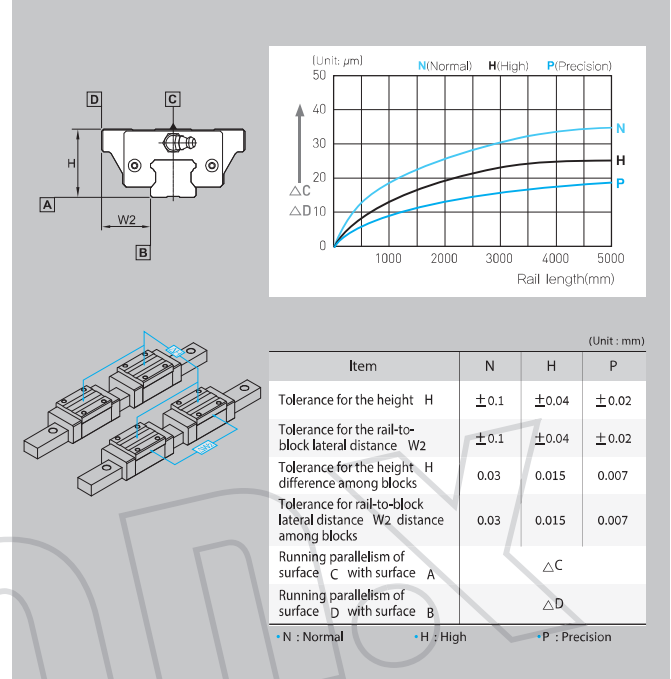
[7] Preload

Reference	Volume of preload
K0 (None)	Clearance within 0.01mm
K1 (Normal)	Max. 0.02C
K2 (Light)	0.04 ~ 0.06C
K3 (Heavy)	0.08 ~ 0.10C

□ C(kN) : Basic dynamic load rating

※ "K3" Preload is not available for SBI15 type

[9] Accuracy



SBI-CL/CLS/CLL

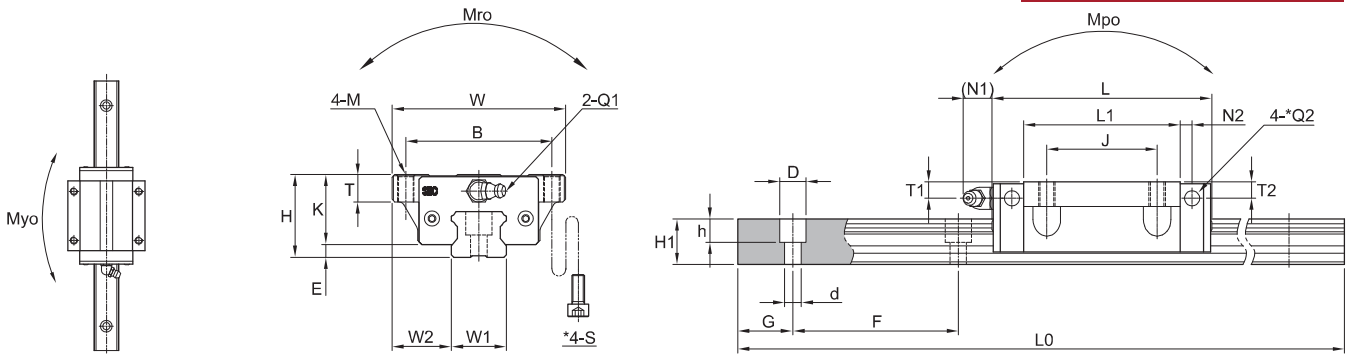
Model	H	W	L	E	Mounting tap hole				L1	T±1	K	Grease fitting					
					B	J	M	DP				T1	N1	T2	N2	Q1	*Q2
SBI20 CLS	28	42	65.2	4.6	32	32	M5	5	43.2	7.8	23.4	4.8	12	4.3	5	M6x0.75	Ø3.5
SBI20 CL	28	44	78.8	4.6	32	32	M5	5	56.8	7.8	23.4	4.8	12	3.8	5	M6x0.75	Ø3.5
SBI20 CLL	28	44	96.4	4.6	32	50	M5	5	74.4	7.8	23.4	4.8	12	3.8	5	M6x0.75	Ø3.5
SBI25 CL	33	48	92	5.5	35	35	M6	6	70	9	27.5	5.4	12	5.4	5	M6x0.75	Ø3.5
SBI25 CLL	33	48	108	5.5	35	50	M6	6	86	9	27.5	5.4	12	5.4	5	M6x0.75	Ø3.5

Rail dimension									Basic load rating [kN]		Permissible static moment [kN • m]			Mass	
W1	W2	H1	F	Bolt hole			G	Max length of rail LO	C	Co	Mro	Mpo	Myo	Block [kg]	Rail [kg/m]
				d	D	h									
20	11	16.5	60	6	9.5	8.5	20	4000	19.1	27.0	0.27	0.15	0.15	0.23	2.2
20	12	16.5	60	6	9.5	8.5	20	4000	22.2	38.2	0.36	0.33	0.33	0.32	2.2
20	12	16.5	60	6	9.5	8.5	20	4000	27.9	50	0.47	0.56	0.56	0.41	2.2
23	12.5	20	60	7	11	9	20	4000	31.5	52.1	0.56	0.56	0.56	0.49	3
23	12.5	20	60	7	11	9	20	4000	36.7	64.4	0.69	0.84	0.84	0.57	3

הפריטים נמצאים במלאי

אחמלני

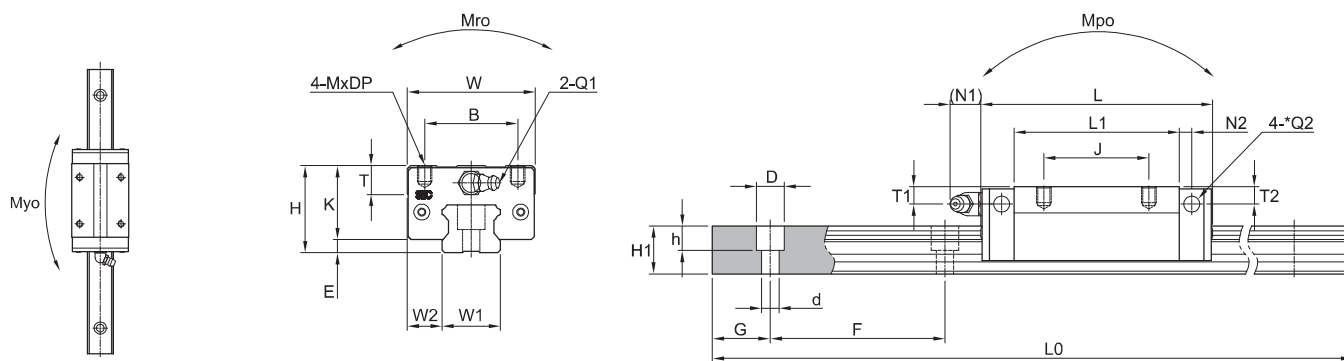
SBI-FL/FLS/FLL



Model	H	W	L	E	Mounting tap hole				L1	T±1	K	Grease fitting					
					B	J	M	*S				T1	N1	T2	N2	Q1	*Q2
SBI15 FLS	24	47	56.8	3	38	30	M5	M4	38.2	11	21	4.5	5.5	3.8	3.8	M4x0.7	Ø3.5
SBI15 FL	24	47	63.8	3	38	30	M5	M4	45.2	9	21	4.5	5.5	3.8	3.8	M4x0.7	Ø3.5
SBI15 FLL	24	47	79.4	3	38	30	M5	M4	60.8	9	21	4.5	5.5	3.8	3.8	M4x0.7	Ø3.5
SBI20 FL	30	63	78.8	4.6	53	40	M6	M5	56.8	12	25.4	6	12	5.8	5	M6x0.75	Ø3.5
SBI20 FLL	30	63	96.4	4.6	53	40	M6	M5	74.4	12	25.4	6	12	5.8	5	M6x0.75	Ø3.5
SBI25 FL	36	70	92	5.5	57	45	M8	M6	70	13	30.5	6	12	5	5	M6x0.75	Ø3.5
SBI25 FLL	36	70	108	5.5	57	45	M8	M6	86	13	30.5	6	12	5	5	M6x0.75	Ø3.5
SBI30 FL	42	90	107.6	7	72	52	M10	M8	79.6	15.5	35	8.5	12	7.8	5	M6x0.75	Ø5.7
SBI30 FLL	42	90	131.6	7	72	52	M10	M8	103.6	15.5	35	8.5	12	7.8	5	M6x0.75	Ø5.7
SBI35 FL	48	100	124.6	7.5	82	62	M10	M8	94.6	15	40.5	8	12	8	6	M6x0.75	Ø5.7
SBI35 FLL	48	100	152.6	7.5	82	62	M10	M8	122.6	15	40.5	8	12	8	6	M6x0.75	Ø5.7
SBI45 FL	60	120	142	9	100	80	M12	M10	108	18	51	10.5	13.5	9.3	6.5	PT1/8	Ø5.7
SBI45 FLL	60	120	174	9	100	80	M12	M10	140	18	51	10.5	13.5	9.3	6.5	PT1/8	Ø5.7
SBI55 FL	70	140	172.4	12	116	95	M14	M12	131	22	58	12	13	12	8	PT1/8	Ø8.7
SBI55 FLL	70	140	211.8	12	116	95	M14	M12	170.4	22	58	12	13	12	8	PT1/8	Ø8.7
SBI65 FL	90	170	219.8	19	142	110	M16	M14	170.4	26	71	14	13	14	10	PT1/8	Ø8.7
SBI65 FLL	90	170	272.2	19	142	110	M16	M14	222.8	26	71	14	13	14	10	PT1/8	Ø8.7

W1	W2	H1	F	Bolt hole			G	Max length of rail Lo	rating [kN]		moment [kN · m]			Block [kg]	Rail [kg/m]
				d	D	h			C	Co	Mro	Mpo	Myo		
15	16	13	60	4.5	7.5	5.5	20	3000	12.3	18.3	0.13	0.08	0.08	0.20	1.3
15	16	13	60	4.5	7.5	5.5	20	3000	14.1	24.1	0.16	0.17	0.17	0.24	1.3
15	16	13	60	4.5	7.5	5.5	20	3000	17.1	31.7	0.21	0.29	0.29	0.30	1.3
20	21.5	16.5	60	6	9.5	8.5	20	4000	22.2	38.2	0.36	0.33	0.33	0.46	2.2
20	21.5	16.5	60	6	9.5	8.5	20	4000	27.9	50	0.47	0.56	0.56	0.60	2.2
23	23.5	20	60	7	11	9	20	4000	31.5	52.1	0.56	0.56	0.56	0.75	3
23	23.5	20	60	7	11	9	20	4000	36.7	64.4	0.69	0.84	0.84	0.80	3
28	31	23	80	9	14	12	20	4000	42.8	65.4	0.85	0.77	0.77	1.25	4.25
28	31	23	80	9	14	12	20	4000	51.3	84.7	1.10	1.30	1.30	1.65	4.25
34	33	26	80	9	14	12	20	4000	59.5	89.1	1.42	1.28	1.28	1.92	6.02
34	33	26	80	9	14	12	20	4000	71.3	115.3	1.83	2.12	2.12	2.43	6.02
45	37.5	32	105	14	20	17	22.5	4000	79.2	116.3	2.48	1.90	1.90	3.25	9.77
45	37.5	32	105	14	20	17	22.5	4000	94.8	150.5	3.21	3.14	3.14	4.40	9.77
53	43.5	38	120	16	23	20	30	4000	127.3	181.8	4.81	2.97	2.97	5.08	13.72
53	43.5	38	120	16	23	20	30	4000	147.9	224.5	5.95	4.78	4.78	6.58	13.72
63	53.5	53	150	18	26	22	35	4000	188.3	261.7	8.24	5.57	5.57	10.17	23.17
63	53.5	53	150	18	26	22	35	4000	232.5	354.1	11.15	9.86	9.86	13.29	23.17

- ① C (Basic dynamic load rating), Co (Basic static load rating) הפריטים נמצאים במלאי
- ② *S: Bolt size for bottom mounting type of block.
- ③ *Q2: The hole of side grease nipple is not made to prevent a foreign substance from going into inside. When you order the side grease nipple, we build it by ourselves.



SBI-HL/HLS/HLL

Model	H	W	L	E	Mounting tap hole				L1	T±1	K	Grease fitting					
					B	J	M	DP				T1	N1	T2	N2	Q1	*Q2
SBI15 HLS	24	34	56.8	3	26	26	M4	4	38.2	6	21	4.5	5.5	3.8	3.8	M4x0.7	Ø3.5
SBI15 HL	24	34	63.8	3	26	26	M4	4	45.2	6	21	4.5	5.5	3.8	3.8	M4x0.7	Ø3.5
SBI15 HLL	24	34	79.4	3	26	34	M4	4	60.8	6	21	4.5	5.5	3.8	3.8	M4x0.7	Ø3.5
SBI25 HL	36	48	92	5.5	35	35	M6	6	70	12	30.5	6	12	5	5.5	M6x0.75	Ø3.5
SBI25 HLL	36	48	108	5.5	35	50	M6	6	86	12	30.5	6	12	5	5.5	M6x0.75	Ø3.5
SBI30 HL	42	60	107.6	7	40	40	M8	8	79.6	12	35	8.5	12	7.8	5	M6x0.75	Ø5.7
SBI30 HLL	42	60	131.6	7	40	60	M8	8	103.6	12	35	8.5	12	7.8	5	M6x0.75	Ø5.7
SBI35 HL	48	70	124.6	7.5	50	50	M8	8	94.6	15	40.5	8	12	8	6	M6x0.75	Ø5.7
SBI35 HLL	48	70	152.6	7.5	50	72	M8	8	122.6	15	40.5	8	12	8	6	M6x0.75	Ø5.7
SBI45 HL	60	86	142	9	60	60	M10	10	108	17	51	10.5	13.5	9.3	6.5	PT1/8	Ø5.7
SBI45 HLL	60	86	174	9	60	80	M10	10	140	17	51	10.5	13.5	9.3	6.5	PT1/8	Ø5.7
SBI55 HL	70	100	172.4	12	75	75	M12	12	131	21	58	12	13	12	8	PT1/8	Ø8.7
SBI55 HLL	70	100	211.8	12	75	95	M12	12	170.4	21	58	12	13	12	8	PT1/8	Ø8.7

Rail dimension									Basic load rating [kN]		Permissible static moment [kN • m]			Mass	
W1	W2	H1	F	Bolt hole			G	Max length of rail L0	C	Co	Mro	Mpo	Myo	Block [kg]	Rail [kg/m]
				d	D	h									
15	9.5	13	60	4.5	7.5	5.5	20	3000	12.3	18.3	0.13	0.08	0.08	0.15	1.3
15	9.5	13	60	4.5	7.5	5.5	20	3000	14.1	24.1	0.16	0.17	0.17	0.18	1.3
15	9.5	13	60	4.5	7.5	5.5	20	3000	17.1	31.7	0.21	0.29	0.29	0.24	1.3
23	12.5	20	60	7	11	9	20	4000	31.5	52.1	0.56	0.56	0.56	0.57	3
23	12.5	20	60	7	11	9	20	4000	36.7	64.4	0.69	0.84	0.84	0.70	3
28	16	23	80	9	14	12	20	4000	42.8	65.4	0.85	0.77	0.77	1.48	4.25
28	16	23	80	9	14	12	20	4000	51.3	84.7	1.10	1.30	1.30	1.58	4.25
34	18	26	80	9	14	12	20	4000	59.5	89.1	1.42	1.28	1.28	1.47	6.02
34	18	26	80	9	14	12	20	4000	71.3	115.3	1.83	2.12	2.12	2.04	6.02
45	20.5	32	105	14	20	17	22.5	4000	79.2	116.3	2.48	1.90	1.90	2.80	9.77
45	20.5	32	105	14	20	17	22.5	4000	94.8	150.5	3.21	3.14	3.14	3.29	9.77
53	23.5	38	120	16	23	20	30	4000	127.3	181.8	4.81	2.97	2.97	4.42	13.72
53	23.5	38	120	16	23	20	30	4000	147.9	224.5	5.95	4.78	4.78	5.82	13.72

הפריטים נמצאים במלאי

SBI-SL/SLL

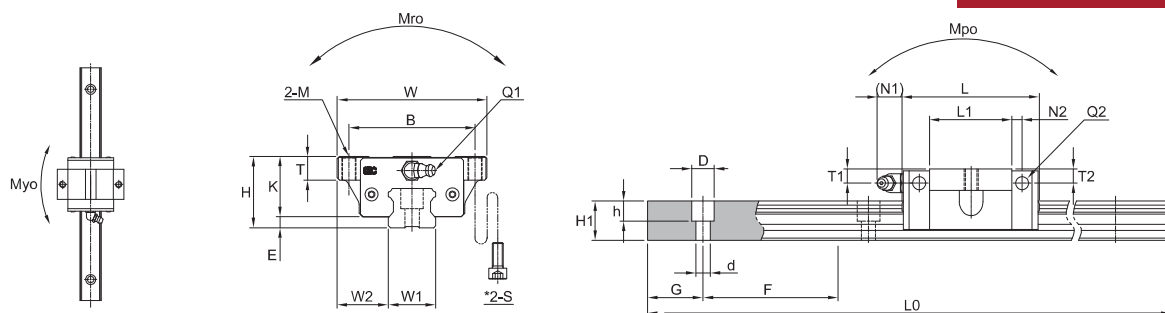
Model	H	W	L	E	Mounting tap hole				L1	T±1	K	Grease fitting					
					B	J	M	DP				T1	N1	T2	N2	Q1	*Q2
SBI15 SL	28	34	63.8	3	26	26	M4	5	45.2	10	25	8.5	5.5	7.8	3.8	M4x0.7	Ø3.5
SBI15 SLL	28	34	79.4	3	26	34	M4	5	60.8	10	25	8.5	5.5	7.8	3.8	M4x0.7	Ø3.5
SBI20 SL	30	44	78.8	4.6	32	36	M5	5	56.8	10	25.4	6	12	5.8	5	M6x0.75	Ø3.5
SBI20 SLL	30	44	96.4	4.6	32	50	M5	5	74.4	10	25.4	6	12	5.8	5	M6x0.75	Ø3.5
SBI25 SL	40	48	92	5.5	35	35	M6	8	70	16	34.5	10	12	9	5	M6x0.75	Ø3.5
SBI25 SLL	40	48	108	5.5	35	50	M6	8	86	16	34.5	10	12	9	5	M6x0.75	Ø3.5
SBI30 SL	45	60	107.6	7	40	40	M8	10	79.6	12	38	11.5	12	10.8	5	M6x0.75	Ø5.7
SBI30 SLL	45	60	131.6	7	40	60	M8	10	103.6	12	38	11.5	12	10.8	5	M6x0.75	Ø5.7
SBI35 SL	55	70	124.6	7.5	50	50	M8	10	94.6	15	47.5	15	12	15	6	M6x0.75	Ø5.7
SBI35 SLL	55	70	152.6	7.5	50	72	M8	10	122.6	15	47.5	15	12	15	6	M6x0.75	Ø5.7
SBI45 SL	70	86	142	9	60	60	M10	13	108	17	61	20.5	13.5	19.3	6.5	PT1/8	Ø5.7
SBI45 SLL	70	86	174	9	60	80	M10	13	140	17	61	20.5	13.5	19.3	6.5	PT1/8	Ø5.7
SBI55 SL	80	100	172.4	12	75	75	M12	18	131	21	68	22	13	22	8	PT1/8	Ø8.7
SBI55 SLL	80	100	211.8	12	75	95	M12	18	170.4	21	68	22	13	22	8	PT1/8	Ø8.7
SBI65 SL	90	126	219.8	19	76	70	M16	16	170.4	26	71	14	13	14	10	PT1/8	Ø8.7
SBI65 SLL	90	126	272.2	19	76	120	M16	16	222.8	26	71	14	13	14	10	PT1/8	Ø8.7

Rail dimension									Basic load rating		Permissible static moment			Mass	
W1	W2	H1	F	Bolt hole			G	Max length of rail Lo	[kN]		[kN • m]			Block [kg]	Rail [kg/m]
				d	D	h			C	Co	Mro	Mpo	Myo		
15	9.5	13	60	4.5	7.5	5.5	20	3000	14.1	24.1	0.16	0.17	0.17	0.23	1.3
15	9.5	13	60	4.5	7.5	5.5	20	3000	17.1	31.7	0.21	0.29	0.29	0.31	1.3
20	12	16.5	60	6	9.5	8.5	20	4000	22.2	38.2	0.36	0.33	0.33	0.36	2.2
20	12	16.5	60	6	9.5	8.5	20	4000	27.9	50	0.47	0.56	0.56	0.47	2.2
23	12.5	20	60	7	11	9	20	4000	31.5	52.1	0.56	0.56	0.56	0.68	3
23	12.5	20	60	7	11	9	20	4000	36.7	64.4	0.69	0.84	0.84	0.82	3
28	16	23	80	9	14	12	20	4000	42.8	65.4	0.85	0.77	0.77	1.06	4.25
28	16	23	80	9	14	12	20	4000	51.3	84.7	1.10	1.30	1.30	1.37	4.25
34	18	26	80	9	14	12	20	4000	59.5	89.1	1.42	1.28	1.28	1.83	6.02
34	18	26	80	9	14	12	20	4000	71.3	115.3	1.83	2.12	2.12	2.34	6.02
45	20.5	32	105	14	20	17	22.5	4000	79.2	116.3	2.48	1.90	1.90	3.30	9.77
45	20.5	32	105	14	20	17	22.5	4000	94.8	150.5	3.21	3.14	3.14	4.23	9.77
53	23.5	38	120	16	23	20	30	4000	127.3	181.8	4.81	2.97	2.97	4.42	13.72
53	23.5	38	120	16	23	20	30	4000	147.9	224.5	5.95	4.78	4.78	5.82	13.72
63	31.5	53	150	18	26	22	35	4000	188.3	261.7	8.24	5.57	5.57	9.10	23.17
63	31.5	53	150	18	26	22	35	4000	232.5	354.1	11.15	9.86	9.86	11.98	23.17

הפריטים נמצאים במלאי

- ① C (Basic dynamic load rating), Co (Basic static load rating)
- ② *Q2: The hole of side grease nipple is not made to prevent a foreign substance from going into inside.
When you order the side grease nipple, we build it by ourselves.

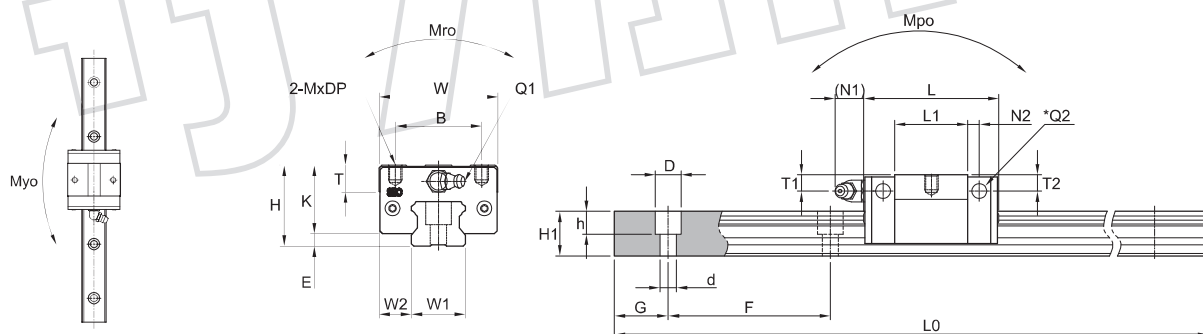
SBI-FV



Model	H	W	L	E	Mounting tap hole			L1	T±1	K	Grease fitting					
					B	M	*S				T1	N1	T2	N2	Q1	*Q2
SBI15 FV	24	47	39.9	3	38	M5	M4	21.3	9	21	4.5	5.5	3.8	3.8	M4x0.7	∅3.5
SBI20 FV	28	63	49.1	4.6	53	M6	M5	27.1	12	23.4	4.8	12	3.8	5	M6x0.75	∅3.5
SBI25 FV	33	70	52.6	5.5	57	M8	-	30.6	13	27.5	5.4	12	5.4	5	M6x0.75	∅3.5

Rail dimension									Basic load rating [kN]		Permissible static moment [kN · m]			Mass	
W1	W2	H1	F	Bolt hole			G	Max length of rail L0	C	Co	Mro	Mpo	Myo	Block [kg]	Rail [kg/m]
				d	D	h									
15	16	13	60	4.5	7.5	5.5	20	3000	5.8	12.8	0.04	0.03	0.03	0.11	1.3
20	21.5	16.5	60	6	9.5	8.5	20	4000	9.4	20.2	0.12	0.10	0.10	0.23	2.2
23	23.5	20	60	7	11	9	20	4000	12.4	26.1	0.19	0.17	0.17	0.32	3

SBI-SV



Model	H	W	L	E	Mounting tap hole			L1	T±	K	Grease fitting					
					B	M	DP				T1	N1	T2	N2	Q1	*Q2
SBI15 SV	24	34	39.9	3	26	M4	4	21.3	6	21	4.5	5.5	3.8	3.8	M4x0.7	∅3.5
SBI20 SV	28	44	49.1	4.6	32	M5	5	27.1	7.8	23.4	4.8	12	3.8	5	M6x0.75	∅3.5
SBI25 SV	33	48	52.6	5.5	35	M6	6	30.6	9	27.5	5.4	12	5.4	5	M6x0.75	∅3.5

Rail dimension									Basic load rating [kN]		Permissible static moment [kN · m]			Mass	
W1	W2	H1	F	Bolt hole			G	Max length of rail L0	C	Co	Mro	Mpo	Myo	Block [kg]	Rail [kg/m]
				d	D	h									
15	9.5	13	60	4.5	7.5	5.5	20	3000	5.8	12.8	0.04	0.03	0.03	0.10	1.3
20	12	16.5	60	6	9.5	8.5	20	4000	9.4	20.2	0.12	0.10	0.10	0.17	2.2
23	12.5	20	60	7	11	9	20	4000	12.4	26.1	0.19	0.17	0.17	0.24	3

① C (Basic dynamic load rating), Co (Basic static load rating)

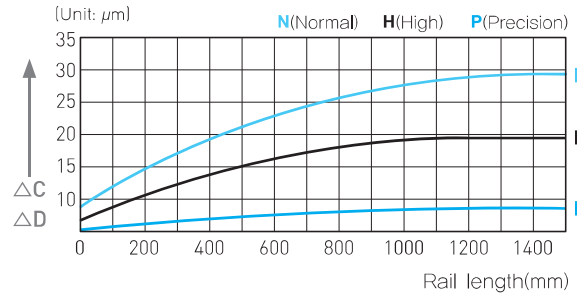
② *S: Bolt size for bottom mounting type of block.

[3] Preload

Reference	Volume of preload
K1	Max. 0.02C
K2	0.04 ~ 0.06C

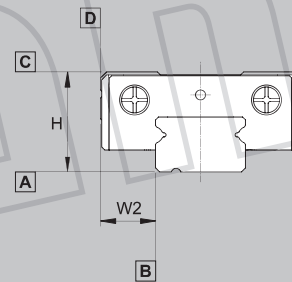
■ C(kN) : Basic dynamic load rating

[5] Accuracy



Tolerance for the rail-to-block lateral distance W2	± 0.04	± 0.025	± 0.015
Tolerance for the height H difference among blocks	0.03	0.015	0.007
Tolerance for rail-to-block lateral distance W2 distance among blocks	0.03	0.015	0.007
Running parallelism of surface C with surface A	ΔC		
Running parallelism of surface D with surface B	ΔD		

• N : Normal • H : High • P : Precision



מיסבים

מערכות ליניאריות

שינוע והרמה

מקשרים / קופולוגים

זיוד

בלדי זימון וחמורות

אפיון מוצר

SBM09 - 2 - K1 - 600 - N - R - B - II

[1] [2] [3] [4] [5] [6] [7] [8]

[1] Model : SBM, SBML, SBMW

[2] Block quantity on rail

[3] Preload : K1, K2

[4] Rail length

[5] Accuracy : N, H, P

[6] Surface treatment

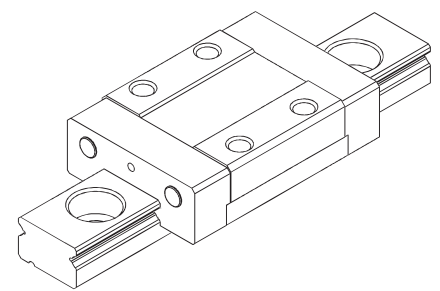
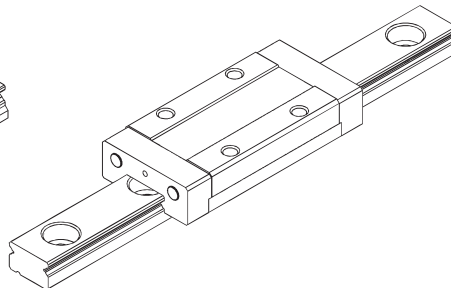
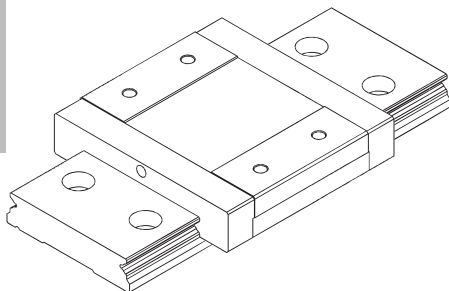
[7] Through tap hole rail : Standard (No symbol)

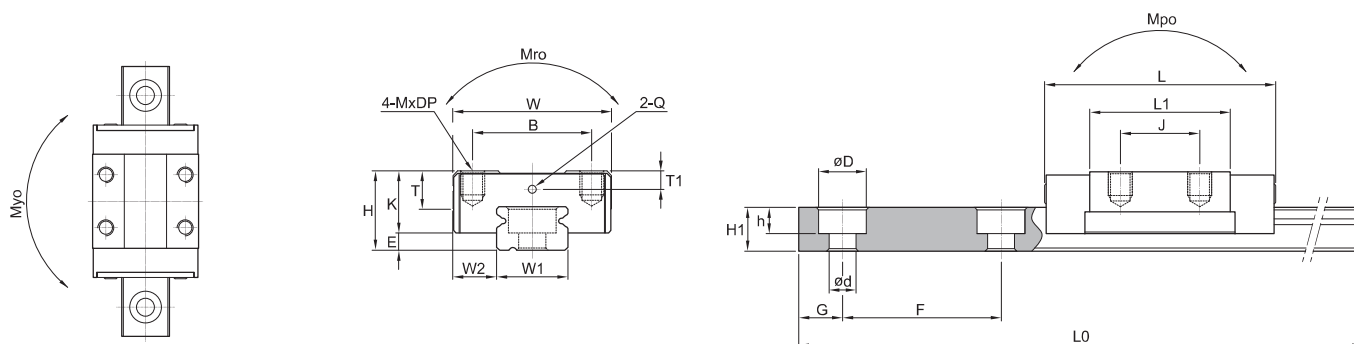
[8] Rail : Number of rails per axis 1=I, 2=II ... 4+IV etc.

דגם רחב SBMW

דגם SBML לעומסים גבוהים

דגם סטנדרטי SMB





SBM/SBML

Model	H	W	L	E	Mounting tap hole				L1	T	K	Greasing hole	
					B	J	M	DP				T1	Q
SBM 07	8	17	22.8	1.5	12	8	M2	2.5	13.4	3.6	6.5	1.6	Ø1
SBM 09	10	20	30.4	2.2	15	10	M3	3	17.8	5	7.8	2.3	Ø1
SBML 09	10	20	40.8	2.2	15	16	M3	3	28.2	5	7.8	2.3	Ø1
SBM 12	13	27	35	3	20	15	M3	3.5	19.8	6	10	2.8	Ø1
SBML 12	13	27	47.6	3	20	20	M3	3.5	32.4	6	10	2.8	Ø1
SBM 15	16	32	43	4	25	20	M3	4	25.4	7	12	3.1	Ø1
SBML 15	16	32	58.8	4	25	25	M3	4	41.2	7	12	3.1	Ø1

W1	W2	H1	F	Bolt hole			G	Max length of rail L0	rating [kN]		moment [N · m]			Block [kg]	Rail [kg/m]
				d	D	h			C	Co	Mro	Mpo	Myo		
7	5	4.7	15	2.4	4.2	2.3	5	490	0.9	1.47	5.15	2.46	2.46	0.006	0.22
9	5.5	5.5	20	4	6	3.3	7.5	1195	1.4	2.7	12.15	6.01	6.01	0.013	0.32
9	5.5	5.5	20	4	6	3.3	7.5	1195	2.1	4.6	20.7	16.22	16.22	0.023	0.32
12	7.5	7.5	25	4	6	4.5	10	1195	3.3	4.9	29.4	12.13	12.13	0.029	0.59
12	7.5	7.5	25	4	6	4.5	10	1195	5	9.1	54.6	36.86	36.86	0.043	0.59
15	8.5	9.5	40	4	6	4.5	15	1190	4.9	7.5	56.25	23.81	23.81	0.052	0.99
15	8.5	9.5	40	4	6	4.5	15	1190	7.1	12.9	96.75	66.44	66.44	0.079	0.99

SBMW

Model	H	W	L	E	Mounting tap hole				L1	T	K	Greasing hole	
					B	J	M	DP				T1	Q
SBMW 09	12	30	42.3	3.7	21	12	M3	3	27	4.5	8.3	2	Ø1.4
SBMW 12	14	40	48.4	4	28	15	M3	3.5	30.9	5	10	2.4	Ø1.6
SBMW 15	16	60	57.5	3.7	45	20	M4	4.5	38.9	6.2	12.3	2.8	Ø3.2

W1	W2	H1	W3	F	Bolt hole			G	Max length of rail L0	rating [kN]		moment [N · m]			Block [kg]	Rail [kg/m]
					d	D	h			C	Co	Mro	Mpo	Myo		
18	6	7.5	-	30	3.5	6	4.5	10	1190	2.45	3.92	35.96	16.26	16.26	0.03	0.99
24	8	8.5	-	40	4.5	8	4.5	15	1190	4.02	6.08	47.62	17.15	18.62	0.03	1.42
42	9	9.5	23	40	4.5	8	4.5	15	1190	6.66	9.80	136.9	35.28	38.22	0.12	2.93

① C (Basic dynamic load rating), Co (Basic static load rating)

Fixed-End Support Unit

מיסבים

מערכות ליניאריות

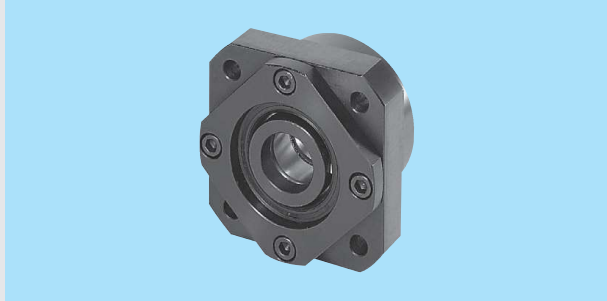
שינוע והרמה

מקשרים / קופלונגים

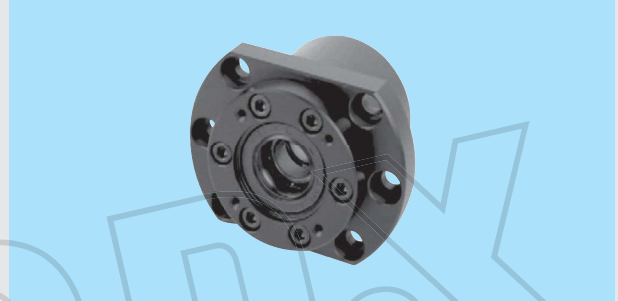
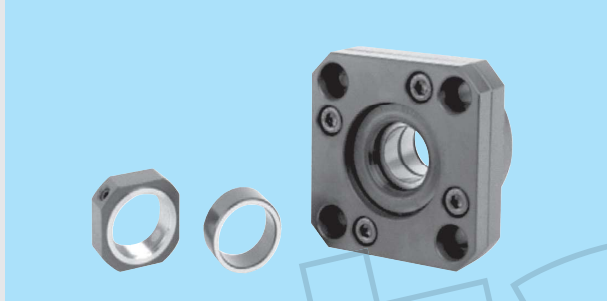
זיוד

בלגלי זימון וחגורות

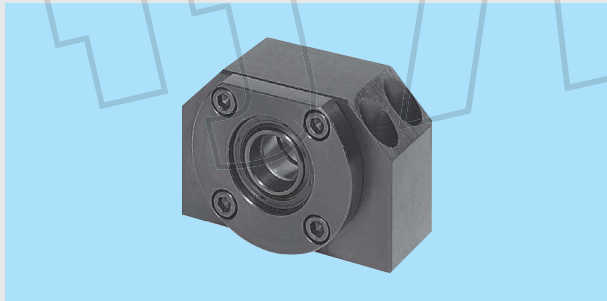
FK



FK-DS(T)



BK



BK-DS

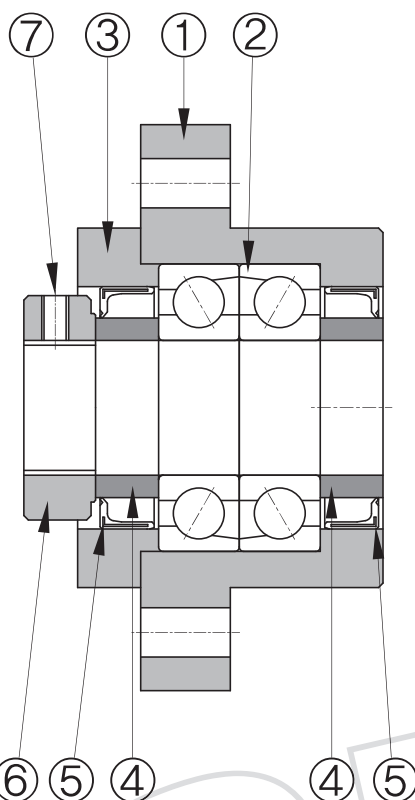


EK



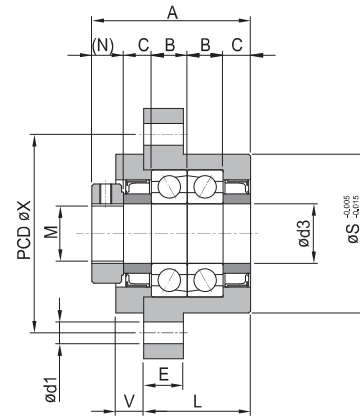
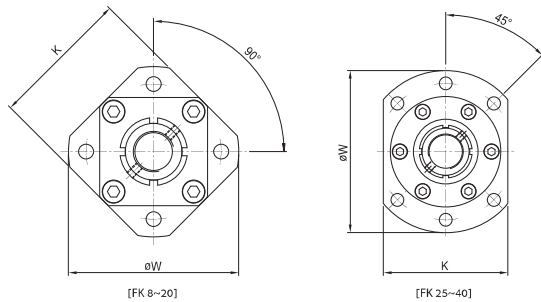
AK





No.	Part Name	Q'ty
①	HOUSING	1
②	BEARING	1SET
③	BRACKET	1
④	COLLAR	2
⑤	SEAL	2
⑥	LOCK NUT	1
⑦	SET SCREW	1

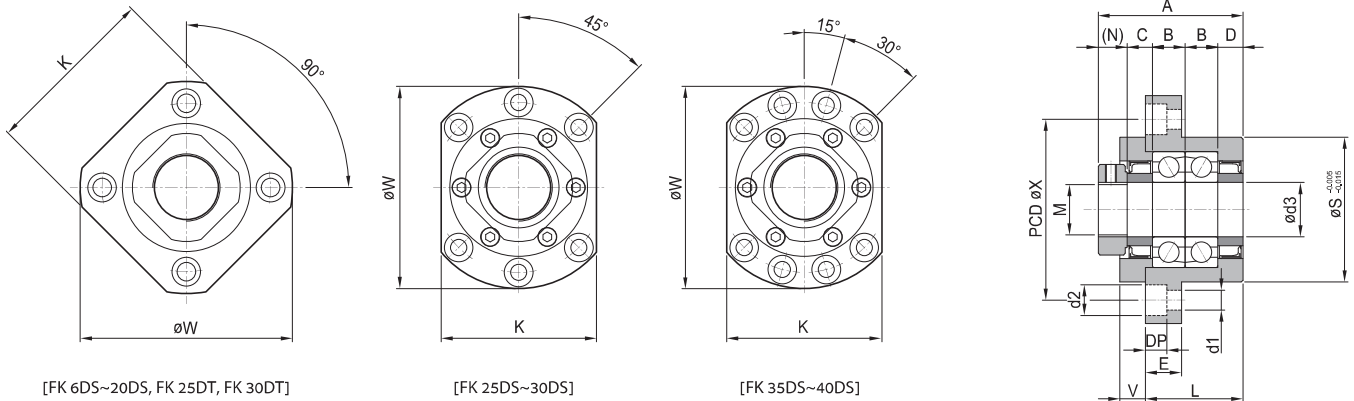
FK Type Fixed-End Support Unit (mm)



Model No.	W	K	S	L	E	V	X (PCD)	d1
FK 8	43	35	28	21	7	5	35	3.4
FK 10	52	42	34	25	7	6	42	4.5
FK 12	54	44	36	25	8	6	44	4.5
FK 15	63	52	40	27	10	7	50	5.5
FK 20	85	68	57	37	15	7	70	6.6
FK 25	122	92	80	42	15	11	100	11
FK 30	138	106	90	45	16	12	116	11
FK 40	176	128	120	61	19	15	150	14

A	B	C	N	M	d3	Basic Dynamic load rating [kN]	Permissible load [kN]	Bearing model No.
32	7	5	8	M8x0.75	8	1.6	-	608
38	8	7	8	M10x1	10	6.5	2.7	7000A
38	8	7	8	M12x1	12	7.1	3	7001A
40	9	7	8	M15x1	15	7.5	3.9	7002A
52	14	7	10	M20x1	20	17.9	9.5	7204A
62	15	10	12	M25x1.5	25	20.1	11.4	7205A
66	16	11	12	M30x1.5	30	28	16.2	7206A
82	18	16	14	M40x1.5	40	44.1	27.1	7208A

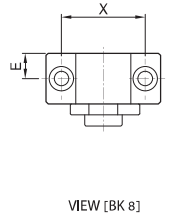
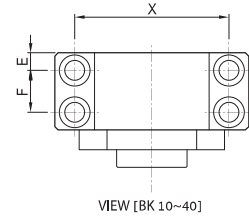
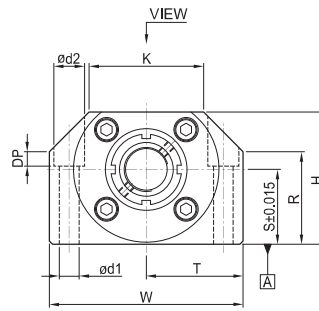
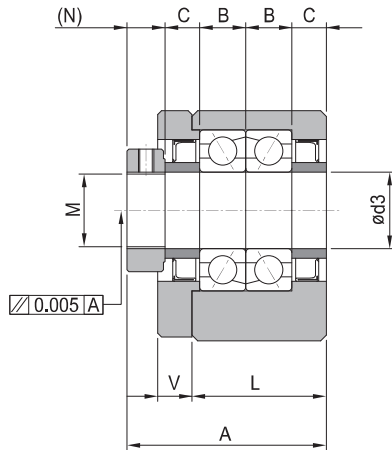
FK-DS(T) Type Fixed-End Support Unit (mm)



Model No.	W	K	S	L	E	V	X (PCD)	d1	d2	DP
FK 6DS	36	28	22	20	7	-	28	3.4	6	4
FK 8DS	43	35	28	23	9	-	35	3.4	6.5	4
FK 10DS	52	44	34	23	6	5	42	4.5	8	5
FK 12DS	54	44	36	23	6	5	44	4.5	8	5
FK 15DS	63	52	40	26	9	6	50	5.5	9.5	6
FK 17DS	77	61	50	35	12	10	62	6.6	11	10
FK 20DS	85	68	57	42	12	10	70	6.6	11	10
FK 25DS	122	92	80	42	15	12	100	11	17.5	11
FK 25DT	98	79	63	44	14	13	80	9	14	13
FK 30DS	138	106	90	45	15	14	116	11	17.5	11
FK 30DT	117	93	75	47	15	15	95	11	17.5	15
FK 35DS	154	120	100	50	18	14	132	11	17.5	11
FK 40DS	176	128	120	61	18	18	150	14	20	13

A	B	C	D	N	M	d3	Basic Dynamic load rating [kN]	Permissible load [kN]	Bearing model No.
28	6	3.5	7	5.5	M6x0.75	6	-	-	606ZZ
34	7	5.5	7.5	7	M8x1	8	-	-	608ZZ
34	8	5	5	8	M10x1	10	6.5	2.7	7000A
35	8	5.5	5.5	8	M12x1	12	7.1	3	7001A
46	9	10	10	8	M15x1	15	7.5	3.9	7002A
52	12	9	9	10	M17x1	17	13.7	5.8	7203A
60	14	11	11	10	M20x1	20	17.9	9.5	7204A
62	15	10	10	12	M25x1.5	25	20.1	11.4	7205A
70	15	14	14	12	M25x1.5	25	20.1	11.4	7205A
66	16	11	11	12	M30x1.5	30	28	16.2	7206A
66	16	11	11	12	M30x1.5	30	28	16.2	7206A
73	17	12	12	15	M35x1.5	35	37.2	23.5	7207A
82	18	16	16	14	M40x1.5	40	44.1	27.1	7208A

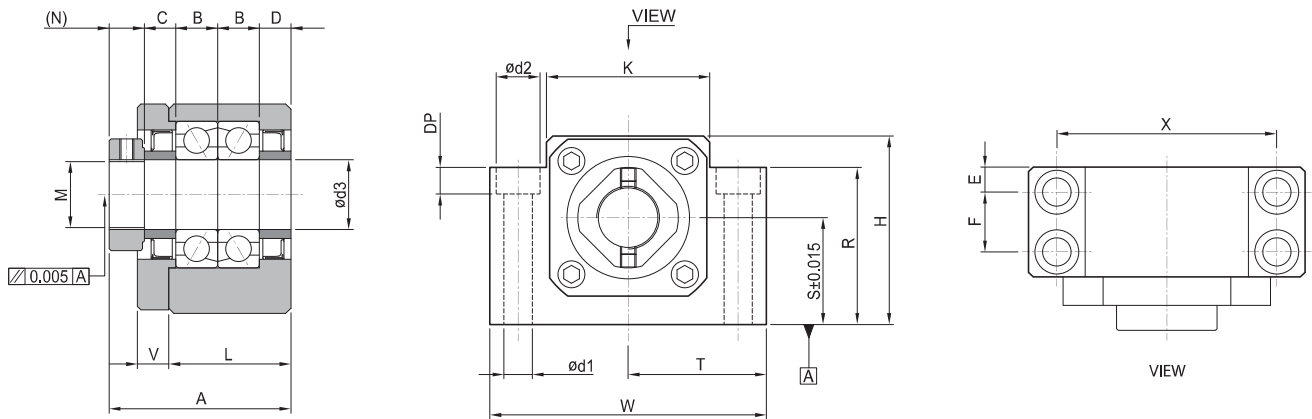
BK Type Fixed-End Support Unit (mm)



Model No.	W	H	S	R	T	K	d1	d2	DP	X	E
BK 8	52	32	17	18.5	26	25	6.6	11	6.5	38	11.5
BK 10	60	39	22	26	30	34	6.6	11	6.5	46	6
BK 12	60	43	25	30	30	34	6.6	11	6.5	46	6
BK 15	70	48	28	33	35	40	6.6	11	6.5	54	6
BK 17	86	64	39	46	43	50	9	14	8.5	68	8
BK 20	88	60	34	42	44	52	9	14	8.5	70	8
BK 25	106	80	48	59	53	64	11	17.5	11	85	10
BK 30	128	89	51	63	64	76	14	20	13	102	11
BK 40	160	110	60	80	80	100	18	26	17.5	130	14

F	L	V	A	B	C	N	M	d3	Basic Dynamic load rating [kN]	Permissible load [kN]	Bearing model No.
-	23	5	34	7	6	8	M8x0.75	8	-	-	608ZZ
13	25	6	38	8	7	8	M10x1	10	6.5	2.7	7000A
13	25	6	38	8	7	8	M12x1	12	7.1	3	7001A
15	27	7	40	9	7	8	M15x1	15	7.5	3.9	7002A
19	35	9	52	12	9	10	M17x1	17	13.7	5.8	7203A
19	35	9	52	12	9	10	M20x1	20	17.9	9.5	7004A
22	42	11	62	15	10	12	M25x1.5	25	20.1	11.4	7205A
23	45	12	66	16	11	12	M30x1.5	30	28	16.2	7206A
33	61	15	82	18	16	14	M40x1.5	40	44.1	27.1	7208A

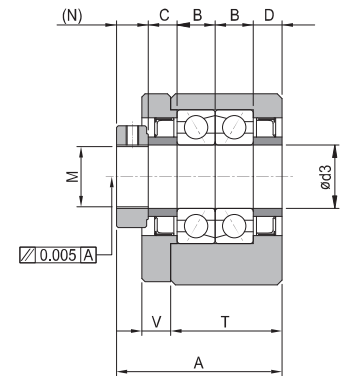
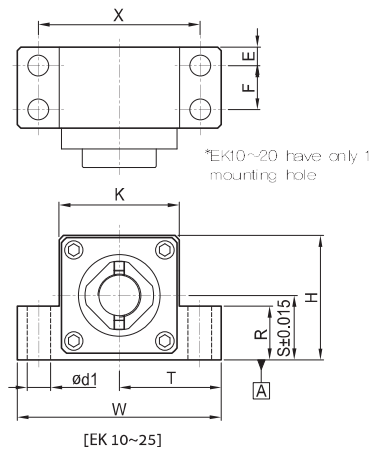
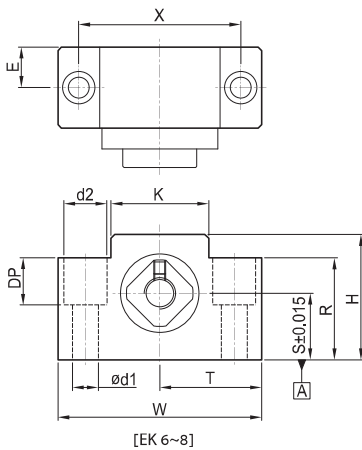
BK-DS Type Fixed-End Support Unit (mm)



Model No.	W	H	S	R	T	K	d1	d2	DP	X	E
BK 10DS	60	39	22	32.5	30	34	6.6	11	5	46	6
BK 12DS	60	43	25	35	30	35	6.6	11	6.5	46	6
BK 15DS	70	48	28	38	35	40	6.6	11	6.5	54	6
BK 17DS	86	64	39	55	43	50	9	14	8.5	68	8
BK 20DS	88	60	34	50	44	52	9	14	8.5	70	8
BK 25DS	106	80	48	70	53	64	11	17.5	11	85	10
BK 30DS	128	89	51	78	64	76	14	20	13	102	11
BK 35DS	140	96	52	79	70	88	14	20	13	114	12
BK 40DS	160	110	60	90	80	100	18	26	17.5	130	14

F	L	V	A	B	C	D	N	M	d3	Basic Dynamic load rating [kN]	Permissible load [kN]	Bearing model No.
13	25	6	36	8	5	7	8	M10x1	10	6.5	2.7	7000A
13	25	6	36.5	8	5.5	7	8	M12x1	12	7.1	3	7001A
15	27	6	40	9	7	7	8	M15x1	15	7.5	3.9	7002A
19	35	8	52	12	9	9	10	M17x1	17	13.7	5.8	7203A
19	35	8	52	12	9	9	10	M20x1	20	17.9	9.5	7004A
22	42	12	62	15	10	10	12	M25x1.5	25	20.1	11.4	7205A
23	45	14	66	16	11	11	12	M30x1.5	30	28	16.2	7206A
26	50	14	73	17	12	12	15	M35x1.5	35	37.2	23.5	7207A
33	61	18	82	18	16	16	14	M40x1.5	40	44.1	27.1	7208A

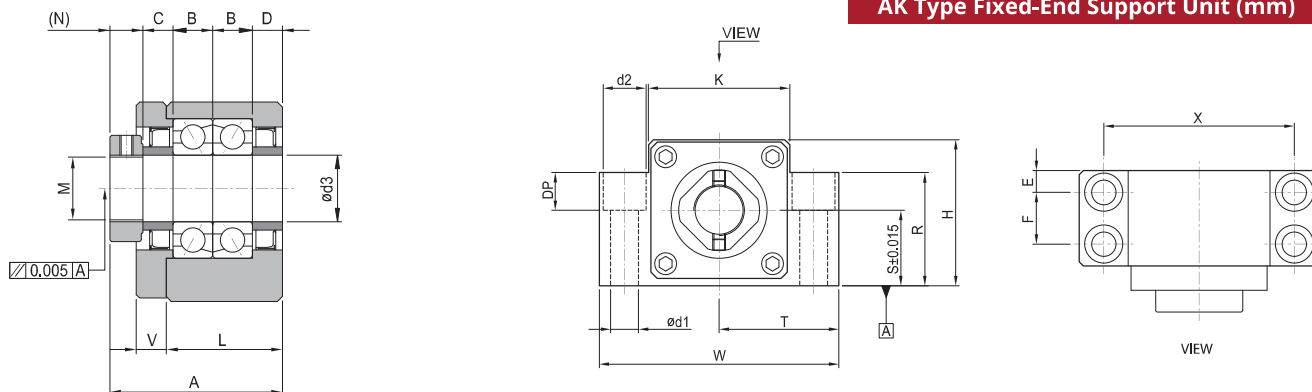
EK Type Fixed-End Support Unit (mm)



Model No.	W	H	S	R	T	K	d1	d2	DP	X	E
EK 6	42	25	13	20	21	18	5.5	9.5	5	30	10
EK 8	52	32	17	26	26	25	6.6	11	12	38	11.5
EK 10	70	43	25	24	35	36	9	-	-	52	12
EK 12	70	43	25	24	35	36	9	-	-	52	12
EK 15	80	49	30	25	40	41	11	-	-	60	12.5
EK 20	95	58	30	25	47.5	56	11	-	-	75	21
EK 25	105	68	35	25	52.5	66	11	-	-	85	9

F	L	V	A	B	C	D	N	M	d3	Basic Dynamic load rating [kN]	Permissible load [kN]	Bearing model No.
-	20	-	28.5	6	4.5	7	5	M6x0.75	6	-	-	606ZZ
-	23	-	33.5	7	5.5	7.5	6.5	M8x1	8	-	-	608ZZ
-	25	6	36	8	5	7	8	M10x1	10	6.5	2.7	7000A
-	24	6	36.5	8	5.5	7	8	M12x1	12	7.1	3	7001A
-	25	6	46	9	10	10	8	M15x1	15	7.5	3.9	7002A
-	42	10	60	14	11	11	10	M20x1	20	17.9	9.5	7204A
30	48	13	70	15	14	14	12	M25x1.5	25	20.1	11.4	7205A

AK Type Fixed-End Support Unit (mm)

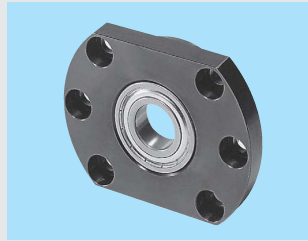
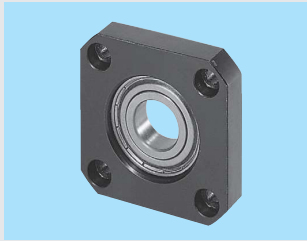


Model No.	W	H	S	R	T	K	d1	d2	DP	X	E
AK 10	70	43	25	35	35	36	8.5	14	11	52	12
AK 12	70	43	25	35	35	36	8.5	14	11	52	12
AK 15	80	49	30	40	40	41	11	17	15	60	12.5
AK 20	95	58	30	45	42.5	56	11	17	15	75	10

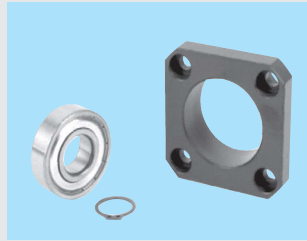
F	L	V	A	B	C	D	N	M	d3	Basic Dynamic load rating [kN]	Permissible load [kN]	Bearing model No.
-	24	6	36	8	5	7	8	M10x1	10	6.5	2.7	7000A
-	24	6	36.5	8	5.5	7	8	M12x1	12	7.1	3	7001A
-	25	6	46	9	10	10	8	M15x1	15	7.5	3.9	7002A
22	42	10	60	14	11	11	10	M20x1	20	17.9	9.5	7204A

Supported-End Support Unit

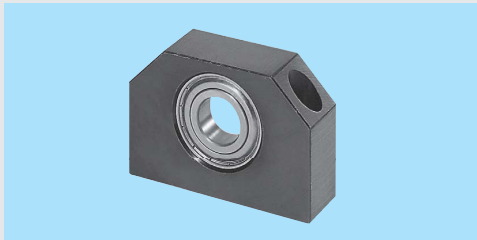
FF



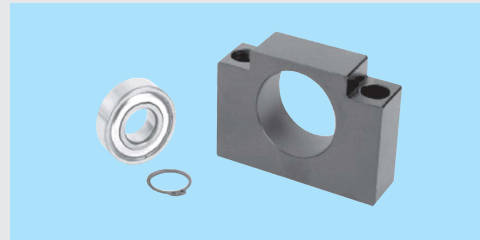
FF-DS(T)



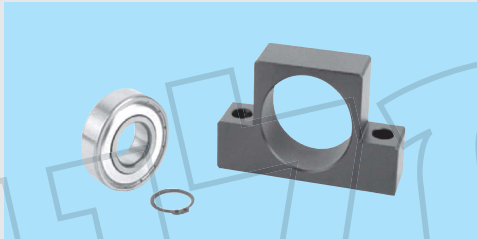
BF



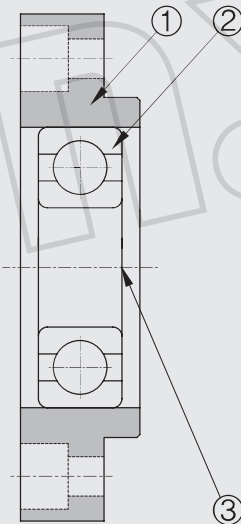
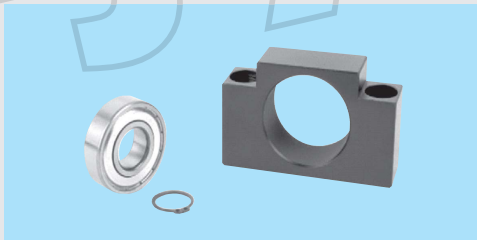
BF-DS



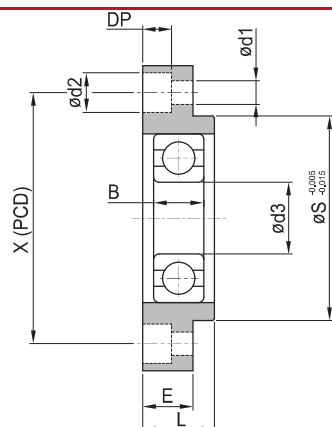
EF



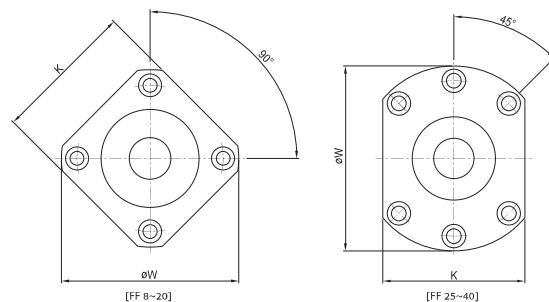
AF



No.	Part Name	Q' ty
①	HOUSING	1
②	BEARING	1
③	SNAP RING	1



FF Type Supported-End Support Unit (mm)

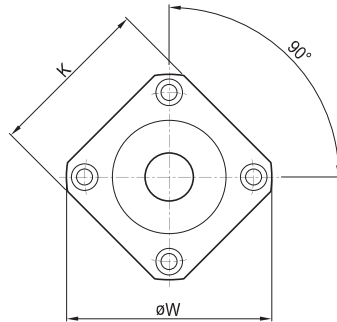
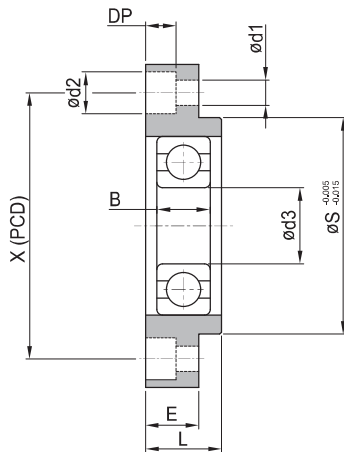


Model No.	W	K	S	L	E	X (PCD)
FF 8	43	35	28	11	6	35
FF 10	52	42	34	12	7	42
FF 12	54	44	36	15	8	44
FF 15	63	52	40	17	9	50
FF 20	85	68	57	20	14	70
FF 25	122	92	80	30	15	100
FF 30	138	106	90	32	15	116
FF 40	176	128	120	36	18	150

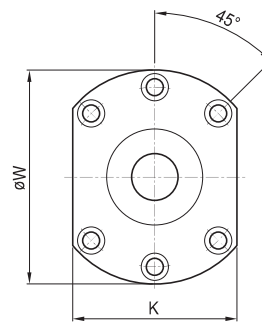
(Unit : mm)

d1	d2	DP	B	d3	Snap ring	Bearing model No.
3.4	6.5	4	6	6	C6	606ZZ
4.5	8	5	7	8	C8	608ZZ
4.5	8	5	8	10	C10	6000ZZ
5.5	9.5	6	9	15	C15	6002ZZ
6.6	11	10	14	20	C20	6204ZZ
11	17.5	11	15	25	C25	6205ZZ
11	17.5	11	16	30	C30	6206ZZ
14	20	13	18	40	C40	6208ZZ

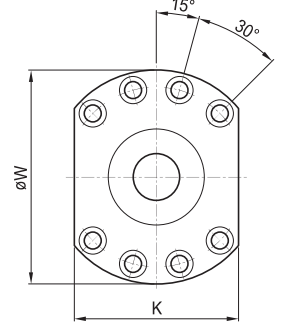
FF-DS(T) Type Supported-End Support Unit (mm)



[FF 6DS~20DS, FF 25DT, FF 30DT]



[FF 25DS~30DS]



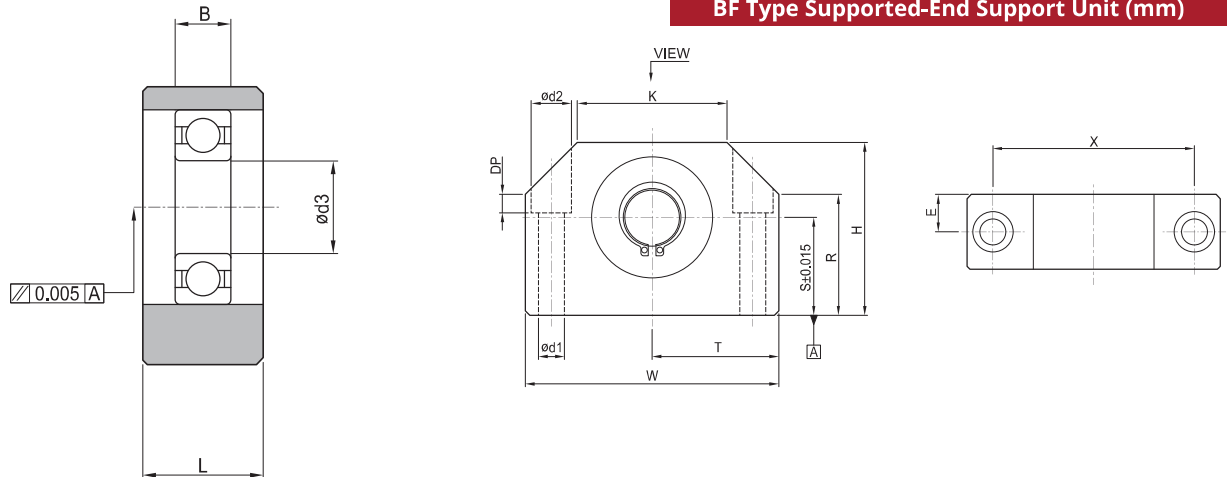
[FF 35DS~40DS]

Model No.	W	K	S	L	E	X (PCD)
FF 6DS	36	28	22	10	6	28
FF 8DS	36	28	22	10	6	28
FF 10DS	43	35	28	12	7	35
FF 12DS	52	42	34	15	7	42
FF 15DS	63	52	40	17	9	50
FF 17DS	77	61	50	20	11	62
FF 20DS	85	68	57	20	11	70
FF 25DS	122	92	80	30	15	100
FF 25DT	98	79	63	24	14	80
FF 30DS	138	106	90	32	15	116
FF 30DT	117	93	75	27	18	95
FF 35DS	154	120	100	34	15	132
FF 40DS	176	128	120	36	18	150

(Unit : mm)

d1	d2	DP	B	d3	Snap ring	Bearing model No.
3.4	6.5	4	6	6	C6	606ZZ
3.4	6.5	4	6	6	C6	606ZZ
3.4	6.5	4	7	8	C8	608ZZ
4.5	8	4	8	10	C10	6000ZZ
5.5	9.5	6	9	15	C15	6002ZZ
6.6	11	10	12	17	C17	6203ZZ
6.6	11	6.5	14	20	C20	6204ZZ
11	17.5	11	15	25	C25	6205ZZ
9	14	8.5	15	25	C25	6205ZZ
11	17.5	11	16	30	C30	6206ZZ
11	17.5	11	16	30	C30	6206ZZ
11	17.5	11	17	35	C35	6207ZZ
14	20	13	18	40	C40	6208ZZ

BF Type Supported-End Support Unit (mm)



Model No.	W	H	S	R	T	K	L	E	X
BF 8	52	32	17	18.5	26	25	20	10	38
BF 10	60	39	22	26	30	34	20	10	46
BF 12	60	43	25	30	30	34	20	10	46
BF 15	70	48	28	33	35	40	20	10	54
BF 17	86	64	39	46	43	50	23	11.5	68
BF 20	88	60	34	42	44	52	26	13	70
BF 25	106	80	48	59	53	64	30	15	85
BF 30	128	89	51	63	64	76	32	16	102
BF 40	160	110	60	80	80	100	37	18.5	130

d1	d2	DP	B	d3	Snap ring	Bearing model No.
6.6	11	6.5	6	6	C6	606ZZ
6.6	11	6.5	7	8	C8	608ZZ
6.6	11	6.5	8	10	C10	6000ZZ
6.6	11	6.5	9	15	C15	6002ZZ
9	14	8.5	12	17	C17	6203ZZ
9	14	8.5	12	20	C20	6004ZZ
11	17.5	11	15	25	C25	6205ZZ
14	20	13	16	30	C30	6206ZZ
18	26	17.5	18	40	C40	6208ZZ

מיסבים

מערכות ליניאריות

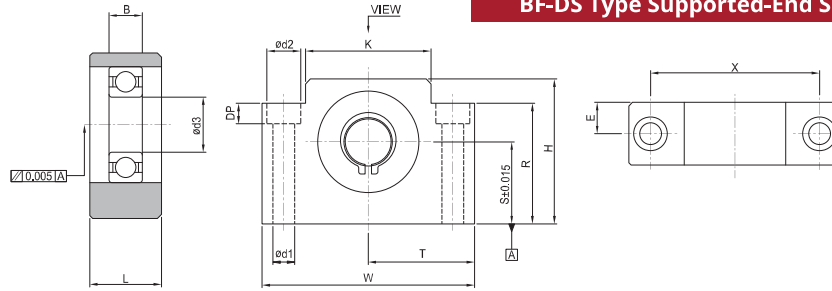
שינוע והרמה

מקשרים / קופולג'ים

זיוד

בלבלי זימון וחגורות

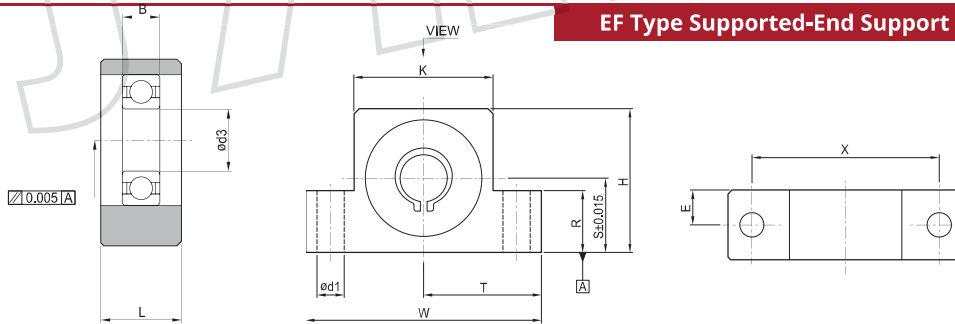
BF-DS Type Supported-End Support Unit (mm)



Model No.	W	H	S	R	T	K	L	E	X
BF 10DS	60	39	22	32.5	30	34	20	10	46
BF 12DS	60	43	25	35	30	35	20	10	46
BF 15DS	70	48	28	38	35	40	20	10	54
BF 17DS	86	64	39	55	43	50	23	11.5	68
BF 20DS	88	60	34	50	44	52	26	13	70
BF 25DS	106	80	48	70	53	64	30	15	85
BF 30DS	128	89	51	78	64	76	32	16	102
BF 35DS	140	96	52	79	70	88	32	16	114
BF 40DS	160	110	60	90	80	100	37	18.5	130

d1	d2	DP	B	d3	Snap ring	Bearing model No.
6.6	11	5	7	8	C8	608ZZ
6.6	11	6.5	8	10	C10	6000ZZ
6.6	11	6.5	9	15	C15	6002ZZ
9	14	8.5	12	17	C17	6203ZZ
9	14	8.5	12	20	C20	6004ZZ
11	17.5	11	15	25	C25	6205ZZ
14	20	13	16	30	C30	6206ZZ
14	20	13	17	35	C35	6207ZZ
18	26	17.5	18	40	C40	6208ZZ

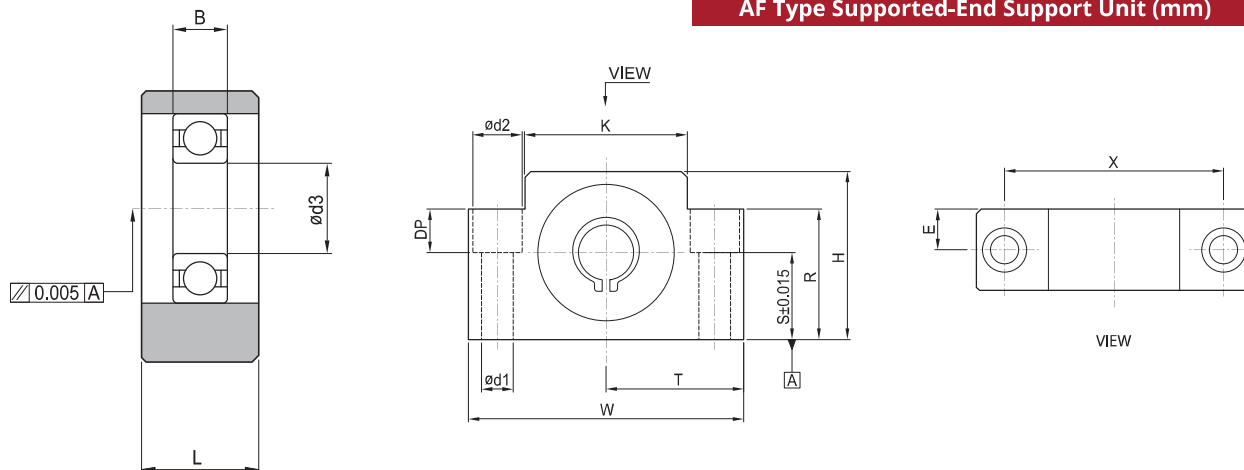
EF Type Supported-End Support Unit (mm)



Model No.	W	H	S	R	T	K	L	E	X
EF 6	42	25	13	20	21	18	12	6	30
EF 8	52	32	17	26	26	25	14	7	38
EF 10	70	43	25	24	35	36	20	10	52
EF 12	70	43	25	24	35	36	20	10	52
EF 15	80	49	30	25	40	41	20	10	60
EF 20	95	58	30	25	42.5	56	26	13	75
EF 25	105	68	35	25	52.5	66	30	15	85

d1	d2	DP	B	d3	Snap ring	Bearing model No.
5.5	9.5	11	6	6	C6	606ZZ
6.6	11	12	6	6	C6	606ZZ
9	-	-	7	8	C8	608ZZ
9	-	-	8	10	C10	6000ZZ
9	-	-	9	15	C15	6002ZZ
11	-	-	14	20	C20	6204ZZ
11	-	-	15	25	C25	6205ZZ

AF Type Supported-End Support Unit (mm)



Model No.	W	H	S	R	T	K	L	E	X
AF 10	70	43	25	35	35	36	20	10	52
AF 12	70	43	25	35	35	36	20	10	52
AF 15	60	49	30	40	40	41	20	10	80
AF 20	95	58	30	45	42.5	56	26	13	75

d1	d2	DP	B	d3	Snap ring	Bearing model No.
8.5	14	11	7	8	C8	608ZZ
8.5	14	11	8	10	C10	6000ZZ
11	17	15	9	15	C15	6002ZZ
11	17	15	14	20	C20	6204ZZ