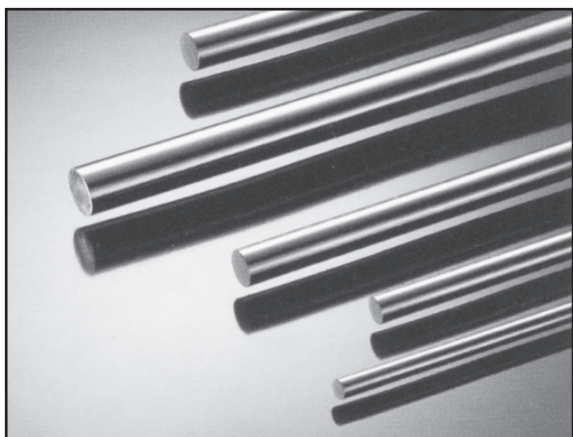




Fine Shaft

The KBS fine shaft is standardized as the most frequently used slide shafts with the KBS linear bush. The diversification of industrial needs for rationalization, energy conservation, lower cost, etc. is proceeding rapidly. In such an environment, KBS Fine Shafts are mass produced to maintain the highest quality and accuracy while lowering the component cost.

Part number structure example

Material

Material

SF	SUJ2	(solid)
SFH	SUJ2	(hollow)
SFC	SUJ2	(solid chrome plating)
SFHC	SUJ2	(hollow chrome plating)
SSF	SUS440	(solid)
SSFH	SUS440	(hollow)
SFS	S45	(solid)
SFSC	S45	(solid chrome plating)

SF

25

×

576

Total length(L)

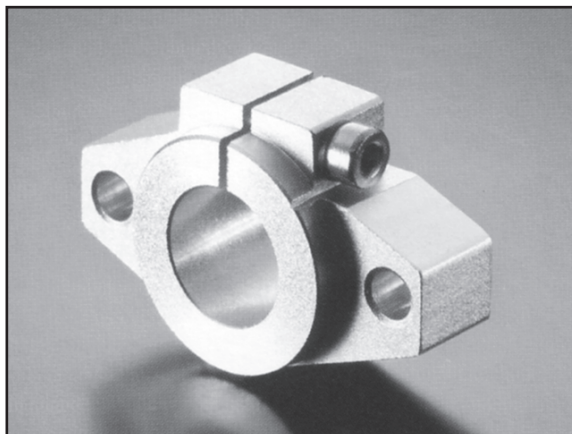
Outer diameter(D)

Fine Shaft (SF Type)

Part Number	Outer Diameter		Length L mm													Mass kg/m	
	D	Tolerance g6 μ m															
	mm		100	200	300	400	500	600	800	1000	1200	1500	1800	2000			
SF 6	6	-4/-12		100				600								0.23	
SF 8	8	-5							800							0.40	
SF 10	10	-1			200					1000						0.62	
SF 12	12	-6 -17										1500				0.89	
SF 13	13															1.04	
SF 16	16					300									2000		1.58
SF 20	20																2.47
SF 25	25	-7 -20						400									3.85
SF 30	30																5.55
SF 35	35	-9 -25						500									7.55
SF 40	40																9.87
SF 50	50									600							

Material: high-carbon chromium bearing steel(SUJ2) hardness: HV697(60HRC) or more

SHF Type

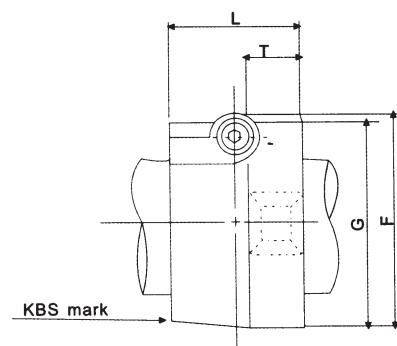
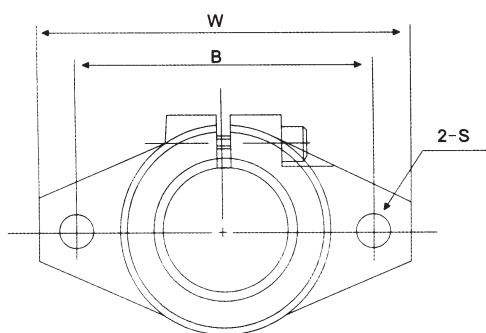


Part number structure example

SHF 25

SHF type

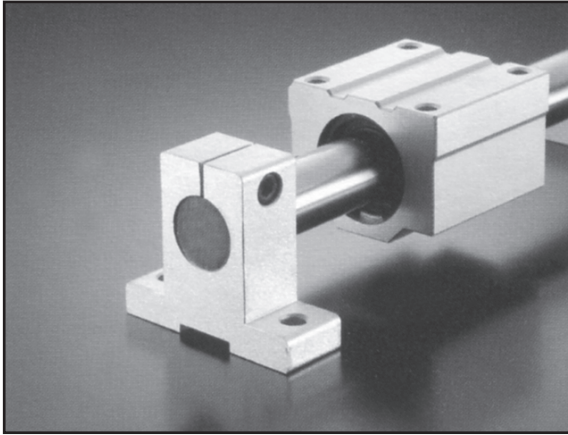
Shaft diameter



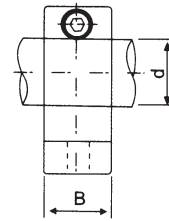
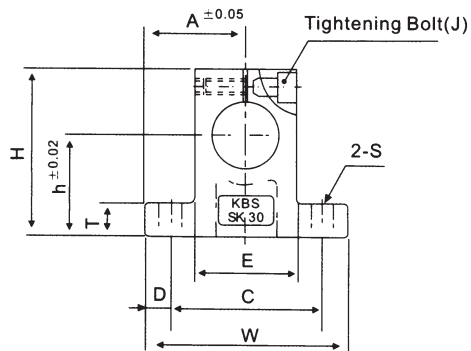
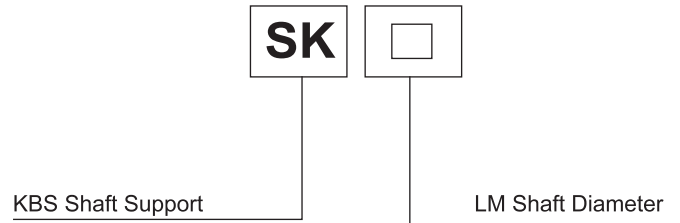
Part Number	Shaft Diameter mm	Major Dimensions							Adjusting Bolt Size	Wgt. g
		W mm	L mm	T mm	F mm	G mm	B mm	S (Bolt Size) mm		
SHF 10	10	43	10	5	24	20	32	5.5 (M5)	M 4	13
SHF 12	12	47	13	7	28	25	36	5.5 (M5)	M 4	20
SHF 13	13	47	13	7	28	25	36	5.5 (M5)	M 4	20
SHF 16	16	50	16	8	31	28	40	5.5 (M5)	M 4	27
SHF 20	20	60	20	8	37	34	48	7 (M6)	M 5	40
SHF 25	25	70	25	10	42	40	56	7 (M6)	M 5	60
SHF 30	30	80	30	12	50	46	64	9 (M8)	M 6	110
SHF 35	35	92	35	14	58	50	72	12 (M10)	M 8	380
SHF 40	40	102	40	16	67	56	80	12 (M10)	M 10	510
SHF 50	50	122	50	19	83	70	96	14 (M12)	M 12	890
SHF 60	60	140	60	23	95	82	112	14 (M12)	M 12	1,500

Shaft Support

Support for Shaft ends. KBS Shaft Support is made of Aluminium with compact design, and able to fix the LM Shaft by tightening bolt at the axial direction slot.



KBS Shaft Support SK Series



Part Number	Shaft Dia.	Dimensions(mm)											Wgt. (g)
		h	A	W	H	T	E	D	C	B	S	J	
Sk8	Ø 8	20	21	42	32.8	6	18	5	32	14	Ø 5.5	M4	24
Sk10	Ø 10	20	21	42	32.8	6	18	5	32	14	Ø 5.5	M4	24
Sk12	Ø 12	23	21	42	38	6	20	5	32	14	Ø 5.5	M4	30
Sk13	Ø 13	23	21	42	38	6	20	5	32	14	Ø 5.5	M4	30
Sk16	Ø 16	27	24	48	44	8	25	5	38	16	Ø 5.5	M4	40
Sk20	Ø 20	31	30	60	51	10	30	7.5	45	20	Ø 6.6	M5	70
Sk25	Ø 25	35	35	70	60	12	38	7	56	24	Ø 6.6	M6	130
Sk30	Ø 30	42	42	84	70	12	44	10	64	28	Ø 9	M6	180
Sk35	Ø 35	50	49	98	85	15	50	12	74	32	Ø 11	M8	270
Sk40	Ø 40	60	57	114	96	15	60	12	90	36	Ø 11	M8	420