

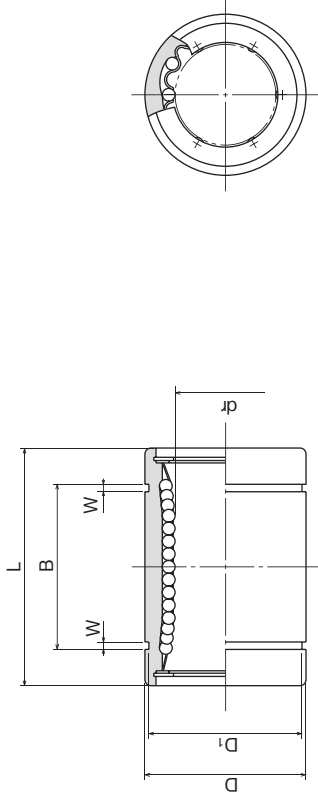
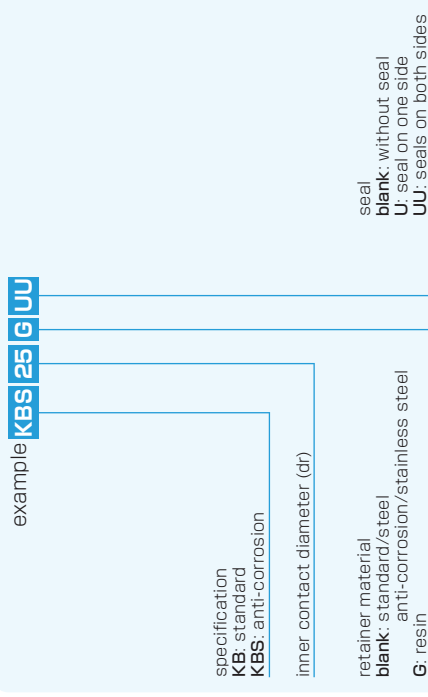
# SLIDE BUSH

**KB TYPE (Euro Standard)**

– Standard Type –



**part number structure**



SLIDE BUSH

standard	part number		number of ball circuits	dr		major dimensions	
	steel retainer	anti-corrosion retainer		mm	tolerance $\mu\text{m}$	mm	tolerance $\mu\text{m}$
KB 3	KB 3G	KBS 3G	4	3	7	0	
KB 4	KB 4G	KBS 4G	4	4	8	- 8	
KB 5	KB 5G	KBS 5G	4	5	12		
KB 8	KB 8G	KBS 8G	4	8	16		
KB10	KB10G	KBS10G	4	10	19	0	
KB12	KB12G	KBS12G	4	12	22	- 9	
KB16	KB16G	KBS16G	4	16	26		
KB20	KB20G	KBS20G	5	20	32	0	
KB25	KB25G	KBS25G	6	25	40	-11	
KB30	KB30G	KBS30G	6	30	47		
KB40	KB40G	KBS40G	6	40	62	0	
KB50	KB50G	KBS50G	6	50	75	-13	
KB60	KB60G	KBS60G	6	60	90	0	
KB80	--	--	6	80	120	-15	

L	tolerance mm	B	tolerance mm	W	D <sub>1</sub>	eccentricity $\mu\text{m}$	radial clearance (maximum) $\mu\text{m}$	basic load rating		shaft diameter mm
								C	Co	
10	0	--	--	--	--	10		69	105	1.4
12	-0.12	--	--	--	--	10	- 3	88	127	2
22		14.5		1.1	11.5			206	265	11
25		16.5		1.1	15.2			265	402	22
29	0	22	0	1.3	18	12		372	549	36
32	-0.2	22.9	-0.2	1.3	21			510	784	45
36		24.9		1.3	24.9			578	892	60
45		31.5		1.6	30.3			862	1,370	102
58		44.1		1.85	37.5	15	- 6	980	1,570	235
68	0	52.1	0	1.85	44.5			1,570	2,740	360
80	-0.3	60.6	-0.3	2.15	59	17	- 8	2,160	4,020	770
100		77.6		2.65	72			3,820	7,940	1,250
125	0	101.7	0	3.15	86.5	20	-13	4,700	9,800	2,220
165	-0.4	133.7	-0.4	4.15	116		-20	7,350	16,000	5,140

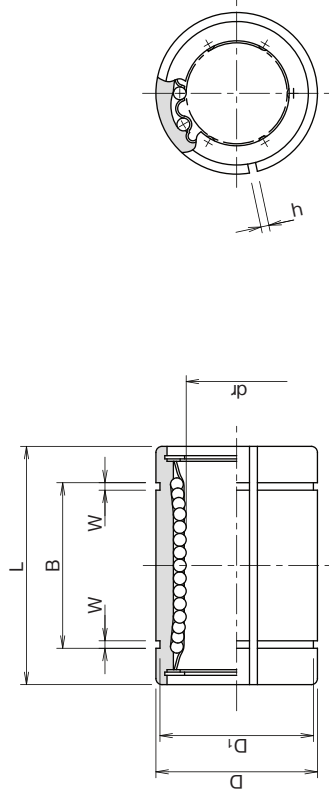
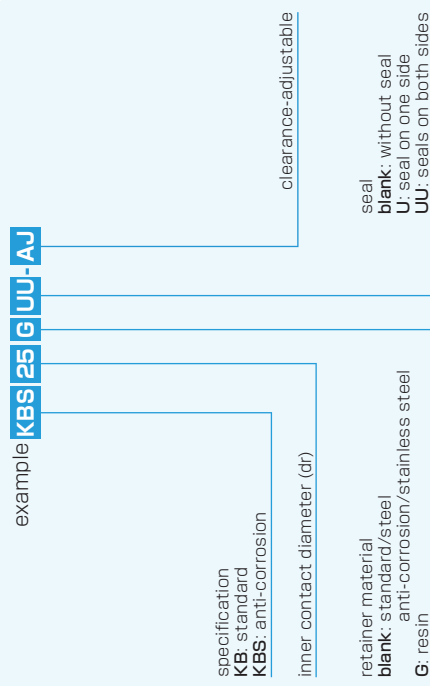
1N $\approx$ 0.102kgf

# KB-AJ TYPE (Euro Standard)

– Clearance Adjustable Type –



## part number structure



SLIDE BUSH

steel retainer	part number		number of ball circuits	dr		major dimensions	
	resin retainer	anti-corrosion stainless retainer		mm	tolerance* $\mu\text{m}$	mm	tolerance* $\mu\text{m}$
–	KB 5G-AJ	–	4	5	–	12	0
–	KB 8G-AJ	–	4	8	+ 8	16	– 8
–	KB10G-AJ	–	4	10	0	19	0
KB12-AJ	KB12G-AJ	KBS12-AJ	4	12	+ 9	22	– 9
KB16-AJ	KB16G-AJ	KBS16-AJ	4	16	+ 11	26	0
KB20-AJ	KB20G-AJ	KBS20-AJ	5	20	– 1	32	– 11
KB25-AJ	KB25G-AJ	KBS25-AJ	6	25	+ 13	40	0
KB30-AJ	KB30G-AJ	KBS30-AJ	6	30	– 2	47	– 13
KB40-AJ	KB40G-AJ	KBS40-AJ	6	40	+ 16/– 4	62	0
KB50-AJ	KB50G-AJ	KBS50-AJ	6	50	– 2	75	– 13
KB60-AJ	KB60G-AJ	KBS60-AJ	6	60	– 2	90	0
KB80-AJ	–	–	6	80	+16/–4	120	– 15

\* Accuracy is measured prior to machining clearance slit.

L	tolerance mm	B	tolerance mm	W	D <sub>1</sub>	h	eccentricity* $\mu\text{m}$	basic load rating		mass g	shaft diameter mm
								C	Co		
22	14.5	1.1	11.5	1	11.5	1	206	265	10	5	
25	16.5	1.1	15.2	1	15.2	1	265	402	19.5	8	
29	0	22	0	1.3	18	1	372	549	29	10	
32	–0.2	22.9	–0.2	1.3	21	1.5	510	784	44	12	
36	–	24.9	–	1.3	24.9	1.5	578	892	59	16	
45	–	31.5	–	1.6	30.3	2	862	1,370	100	20	
58	–	44.1	–	1.85	37.5	2	980	1,570	230	25	
68	0	52.1	0	1.85	44.5	2	1,570	2,740	355	30	
80	–0.3	60.6	–0.3	2.15	59	3	2,160	4,020	758	40	
100	–	77.6	–	2.65	72	3	3,820	7,940	1,230	50	
125	0	101.7	0	3.15	86.5	3	4,700	9,800	2,170	60	
165	–0.4	133.7	–0.4	4.15	116	3	7,350	16,000	5,000	80	

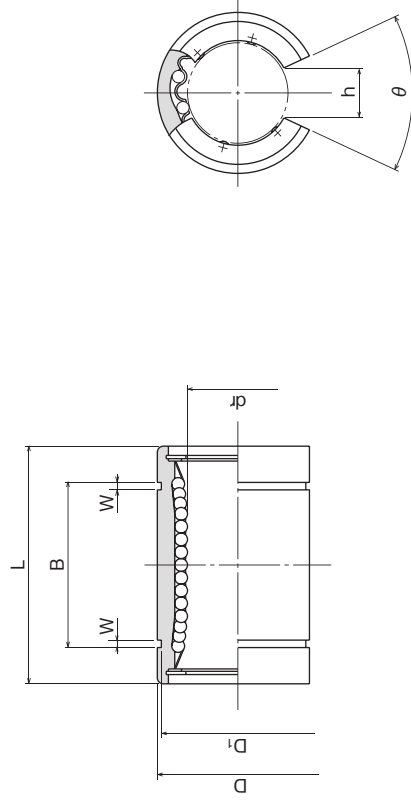
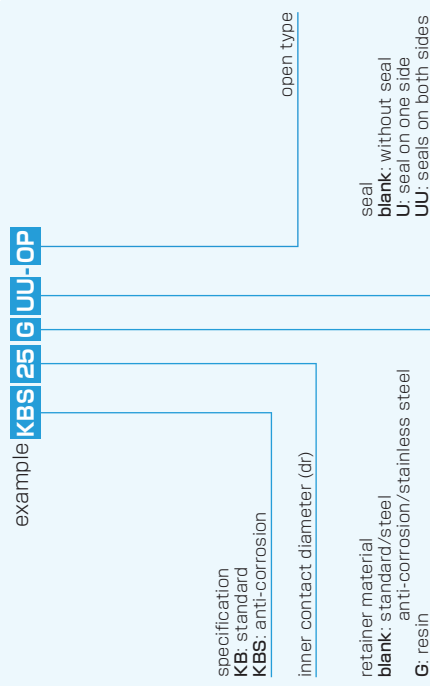
1N $\approx$ 0.102kgf

# KB-OP TYPE (Euro Standard)

– Open Type –



## part number structure



steel retainer	standard	part number			number of ball circuits	dr		major dimensions	
		resin retainer	stainless retainer	anti-corrosion resin retainer		mm	tolerance* $\mu\text{m}$	mm	tolerance* $\mu\text{m}$
–	KB10G-OP	–	–	KBS10G-OP	3	10	+ 8	19	0
KB12-OP	KB12G-OP	KB12-OP	KB12-OP	KB12G-OP	3	12	0	22	– 9
KB16-OP	KB16G-OP	KB16-OP	KB16-OP	KB16G-OP	3	16	+ 9	26	–
KB20-OP	KB20G-OP	KB20-OP	KB20-OP	KB20G-OP	4	20	– 1	32	0
KB25-OP	KB25G-OP	KB25-OP	KB25-OP	KB25G-OP	5	25	+ 11	40	– 11
KB30-OP	KB30G-OP	KB30-OP	KB30-OP	KB30G-OP	5	30	– 1	47	–
KB40-OP	KB40G-OP	KB40-OP	KB40-OP	KB40G-OP	5	40	+ 13	62	0
KB50-OP	KB50G-OP	KB50-OP	KB50-OP	KB50G-OP	5	50	– 2	75	– 13
KB60-OP	KB60G-OP	KB60-OP	KB60-OP	KB60G-OP	5	60	+ 16/– 4	90	0
KB80-OP	–	–	–	–	5	80	+ 16/– 4	120	– 15

\* Accuracy is measured prior to machining open slit.

L	tolerance	B	tolerance	W	D <sub>1</sub>	h	$\theta$	eccentricity* $\mu\text{m}$	basic load rating		mass	shaft diameter
									C	Co		
29	0	22	0	1.3	18	6.8	80°	12	372	549	23	10
32	– 0.2	22.9	0	1.3	21	7.5	78°	12	510	784	35	12
36	– 0.2	24.9	– 0.2	1.3	24.9	10	78°	12	578	892	48	16
45	–	31.5	–	1.6	30.3	10	60°	15	862	1,370	84	20
58	0	44.1	0	1.85	37.5	12.5	60°	15	980	1,570	195	25
68	– 0.3	52.1	– 0.3	2.15	44.5	12.5	50°	17	1,570	2,740	309	30
80	– 0.3	60.6	– 0.3	2.65	59	16.8	50°	20	2,160	4,020	665	40
100	–	77.6	–	3.15	72	21	50°	20	3,820	7,940	1,080	50
125	– 0.4	101.7	– 0.4	4.15	86.5	27.2	54°	20	4,700	9,800	1,900	60
165	– 0.4	133.7	– 0.4	4.15	116	36.3	54°	20	7,350	16,000	4,380	80

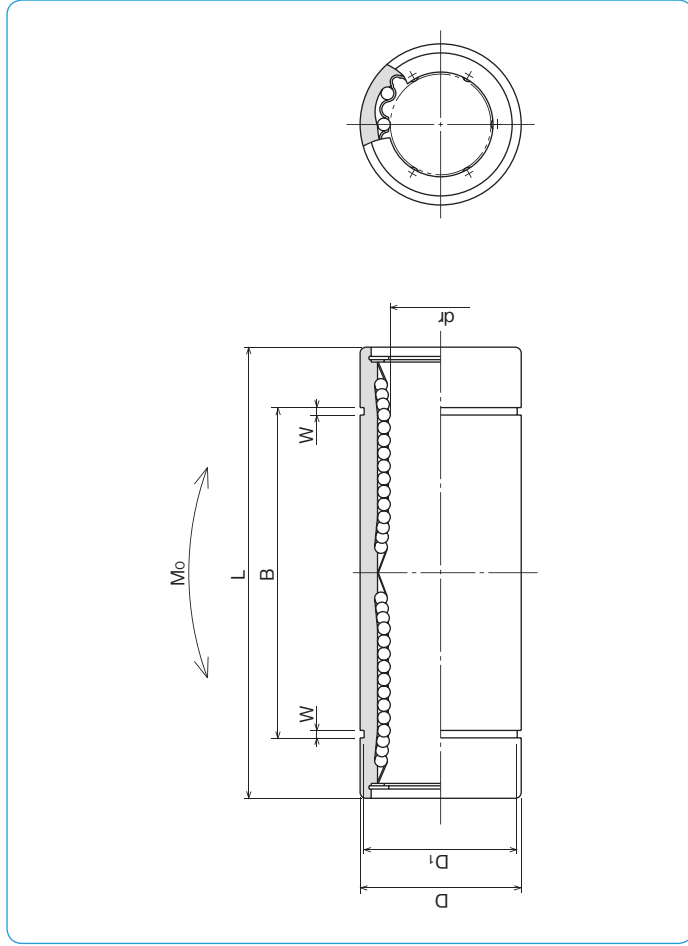
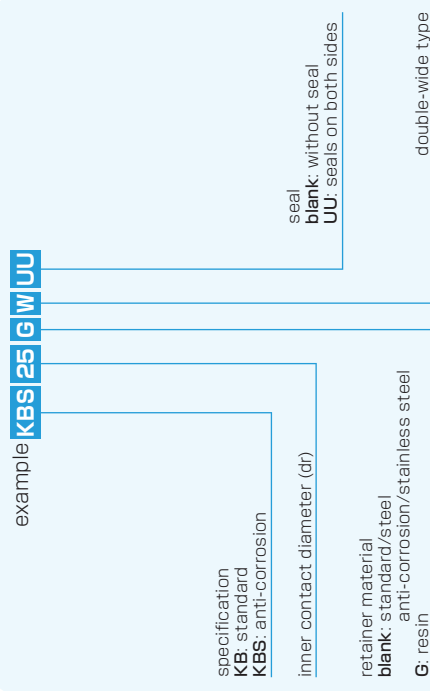
1N $\approx$ 0.102kgf

# KB-W TYPE (Euro Standard)

– Double-Wide Type –



## part number structure



standard	part number		number of ball circuits	dr		major dimensions	
	steel retainer	resin retainer		mm	tolerance $\mu\text{m}$	mm	tolerance $\mu\text{m}$
KB 8W	KB 8GW	KBS 8W	4	8	+9	16	0/-9
KB12W	KB12GW	KBS12W	4	12	-1	22	0
KB16W	KB16GW	KBS16W	4	16	+11	26	-11
KB20W	KB20GW	KBS20W	5	20	-1	32	0
KB25W	KB25GW	KBS25W	6	25	+13	40	-13
KB30W	KB30GW	KBS30W	6	30	-2	47	0
KB40W	KB40GW	KBS40W	6	40	+16	62	-15
KB50W	KB50GW	KBS50W	6	50	-4	75	0/-20
KB60W	KB60GW	KBS60W	6	60	-4	90	0/-20

L	tolerance mm	B	tolerance mm	W	D <sub>1</sub>	eccentricity $\mu\text{m}$	basic load rating		allowable static moment Mo N·m	mass g	shaft diameter mm
							C	N			
46	0	33	0	1.1	15.2	15	421	804	4.3	40	8
61	-0.3	45.8	-0.3	1.3	21	15	813	1,570	11.7	80	12
68	-0.3	49.8	-0.3	1.3	24.9	17	921	1,780	14.2	115	16
80	-0.4	61	-0.4	1.6	30.5	17	1,370	2,740	25.0	180	20
112	-0.4	82	-0.4	1.85	38	20	1,570	3,140	44.0	430	25
123	-0.4	104.2	-0.4	1.85	44.5	20	2,500	5,490	78.9	615	30
151	-0.4	121.2	-0.4	2.15	59	20	3,430	8,040	147	1,400	40
192	-0.4	155.2	-0.4	2.65	72	25	6,080	15,900	396	2,320	50
209	-0.4	170	-0.4	3.15	86.5	25	7,550	20,000	487	3,920	60

1N  $\approx$  0.102kgf 1N · m  $\approx$  0.102kgf · m

**KBF TYPE (Euro Standard)**

– Round Flange Type –



**part number structure**

example **KBSF 25 G UU SK**

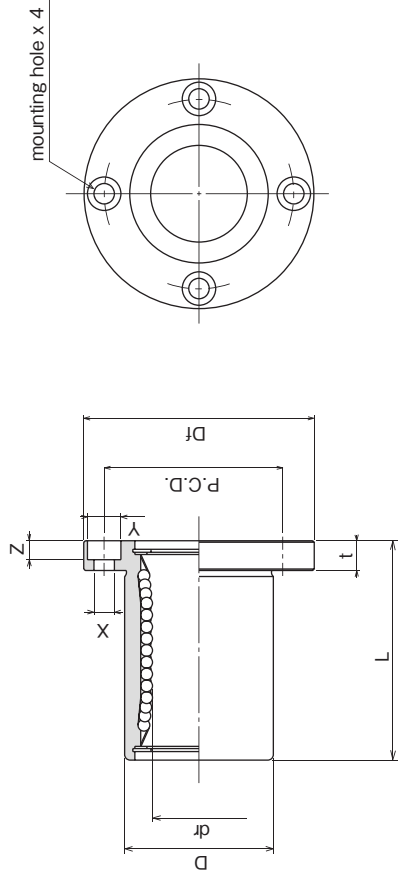
outer cylinder  
surface treatment  
**blank**: no surface treatment  
**SK**: electroless nickel plating  
**LF**: low temperature black chrome treatment with fluoride coating  
**SB**: black oxide (not available on anti-corrosion type)  
**SC**: industrial chrome plating

specification  
**KBF**: standard  
**KBSF**: anti-corrosion

inner contact diameter (dr)

retainer material  
**blank**: standard/steel  
anti-corrosion/stainless steel  
**G**: resin

seal  
**UU**: seals on both sides



steel retainer	part number		number of ball circuits	major dimensions	
	resin retainer	anti-corrosion stainless retainer		dr	D
–	<b>KBF 5G</b>	–	4	mm	mm
<b>KBF 8</b>	<b>KBF 8G</b>	<b>KBSF 8</b>	4	tolerance $\mu\text{m}$	$\pm 0.3$ mm
<b>KBF12</b>	<b>KBF12G</b>	<b>KBSF12</b>	4	mm	mm
<b>KBF16</b>	<b>KBF16G</b>	<b>KBSF16</b>	4	mm	mm
<b>KBF20</b>	<b>KBF20G</b>	<b>KBSF20</b>	5	mm	mm
<b>KBF25</b>	<b>KBF25G</b>	<b>KBSF25</b>	6	mm	mm
<b>KBF30</b>	<b>KBF30G</b>	<b>KBSF30</b>	6	mm	mm
<b>KBF40</b>	<b>KBF40G</b>	<b>KBSF40</b>	6	mm	mm
<b>KBF50</b>	<b>KBF50G</b>	<b>KBSF50</b>	6	mm	mm
<b>KBF60</b>	<b>KBF60G</b>	<b>KBSF60</b>	6	mm	mm
<b>KBF80</b>	–	–	6	mm	mm

Df mm	t mm	flange		eccentricity $\mu\text{m}$	perpendicularity $\mu\text{m}$	basic load rating			mass g	shaft diameter mm
		P.C.D. mm	X x Y x Z mm			dinamic	static	Co		
28	5	20	3.5 x 6 x 3.1	12	12	206	265	265	26	5
32	5	24	3.5 x 6 x 3.1			265	402	41	8	
42	6	32	4.5 x 7.5 x 4.1	15	15	510	784	784	80	12
46	6	36	4.5 x 7.5 x 4.1			578	892	103	16	
54	8	43	5.5 x 9 x 5.1	17	17	862	1,370	1,370	182	20
62	8	51	5.5 x 9 x 5.1			980	1,570	335	25	
76	10	62	6.6 x 11 x 6.1	20	20	1,570	2,740	2,740	560	30
98	13	80	9 x 14 x 8.1			2,160	4,020	1,175	40	
112	13	94	9 x 14 x 8.1	20	20	3,820	7,940	7,940	1,745	50
134	18	112	11 x 17 x 11.1			4,700	9,800	3,220	60	
164	18	142	11 x 17 x 11.1	7,350	16,000	6,420	80			

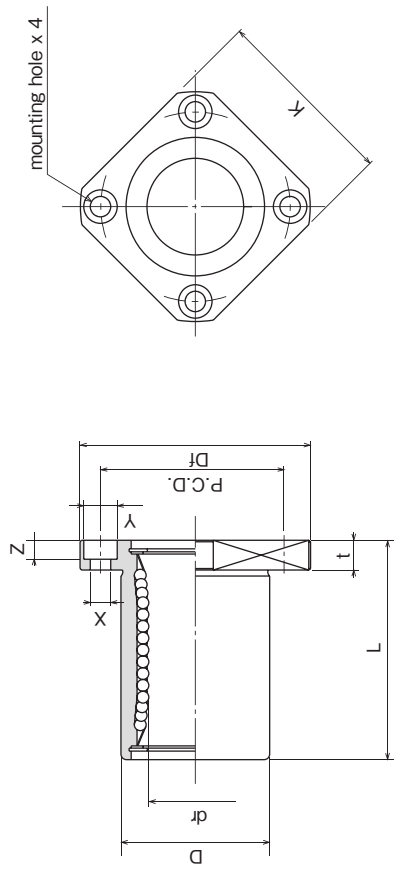
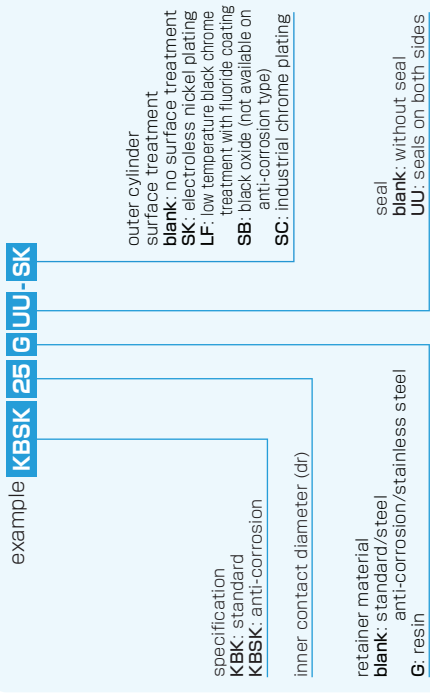
1N=0.102kgf

**KBK TYPE (Euro Standard)**

– Square Flange Type –



**part number structure**



standard	steel retainer		part number		number of ball circuits	dr		major dimensions	
	resin retainer	resin retainer	stainless retainer	anti-corrosion resin retainer		mm	tolerance $\mu\text{m}$	D	L
–	KBK 5G	–	–	KBSK 5G	4	5	12	0	22
KBK 8	KBK 8G	KBSK 8	KBSK 8	KBSK 8G	4	8	16	-13	25
KBK 12	KBK 12G	KBSK 12	KBSK 12	KBSK 12G	4	12	22	0	32
KBK 16	KBK 16G	KBSK 16	KBSK 16	KBSK 16G	4	16	26	-16	36
KBK 20	KBK 20G	KBSK 20	KBSK 20	KBSK 20G	5	20	32	0	45
KBK 25	KBK 25G	KBSK 25	KBSK 25	KBSK 25G	6	25	40	-19	58
KBK 30	KBK 30G	KBSK 30	KBSK 30	KBSK 30G	6	30	47	–	68
KBK 40	KBK 40G	KBSK 40	KBSK 40	KBSK 40G	6	40	62	0	80
KBK 50	KBK 50G	KBSK 50	KBSK 50	KBSK 50G	6	50	75	-22	100
KBK 60	KBK 60G	KBSK 60	KBSK 60	KBSK 60G	6	60	90	–	125
KBK 80	–	–	–	–	6	80	+16/-4	-25	165

Df mm	K mm	t mm	P.C.D. mm	X x Y x Z mm	eccentricity $\mu\text{m}$	perpendicularity $\mu\text{m}$	basic load rating			mass g	shaft diameter mm
							C	N	Co		
28	22	5	20	3.5 x 6 x 3.1	12	15	206	265	265	20	5
32	25	5	24	3.5 x 6 x 3.1	12	15	265	402	402	33	8
42	32	6	32	4.5 x 7.5 x 4.1	12	15	510	784	784	64	12
46	35	6	36	4.5 x 7.5 x 4.1	12	15	578	892	892	90	16
54	42	8	43	5.5 x 9 x 5.1	15	15	862	1,370	1,370	147	20
62	50	8	51	5.5 x 9 x 5.1	15	15	980	1,570	1,570	295	25
76	60	10	62	6.6 x 11 x 6.1	17	17	1,570	2,740	2,740	465	30
98	75	13	80	9 x 14 x 8.1	20	20	2,160	4,020	4,020	975	40
112	88	13	94	9 x 14 x 8.1	20	20	3,820	7,940	7,940	1,545	50
134	106	18	112	11 x 17 x 11.1	20	20	4,700	9,800	9,800	2,780	60
164	136	18	142	11 x 17 x 11.1	20	20	7,350	16,000	16,000	5,920	80

1N=0.102kgf

## KBF-W TYPE (Euro Standard)

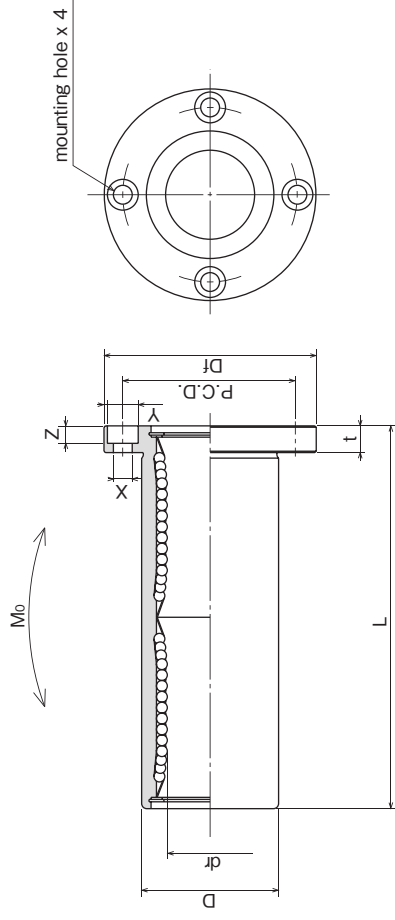
– Round Flange Double-Wide Type –



### part number structure

example **KBSF 25 G W UU - SK**

specification KBF: standard KBSF: anti-corrosion	outer cylinder surface treatment blank: no surface treatment SK: electroless nickel plating LF: low temperature black chrome treatment with fluoride coating SB: black oxide (not available on anti-corrosion type) SC: industrial chrome plating
inner contact diameter (dr)	seal blank: without seal UU: seals on both sides double-wide type
retainer material blank: standard/steel anti-corrosion/stainless steel	
G: resin	



SLIDE BUSH

steel retainer	part number		number of ball circuits	major dimensions		
	resin retainer	anti-corrosion stainless retainer		dr tolerance	D tolerance	L tolerance
KBF 8W	KBF 8GW	KBSF 8W	4	8	16	±0.3
KBF 12W	KBF 12GW	KBSF 12W	4	12	22	mm
KBF 16W	KBF 16GW	KBSF 16W	4	16	26	μm
KBF 20W	KBF 20GW	KBSF 20W	5	20	32	0/-13
KBF 25W	KBF 25GW	KBSF 25W	6	25	40	0
KBF 30W	KBF 30GW	KBSF 30W	6	30	47	-16
KBF 40W	KBF 40GW	KBSF 40W	6	40	62	-19
KBF 50W	KBF 50GW	KBSF 50W	6	50	75	0
KBF 60W	KBF 60GW	KBSF 60W	6	60	90	-22
						0/-25
						209

Df mm	t mm	P.C.D. mm	flange		X x Y x Z mm	eccentricity (perpendicularity) μm	basic load rating		allowable static moment Mo N·m	mass g	shaft diameter mm
			C	N			dynamic	static			
32	5	24	3.5	6	3.1	15	421	804	4.3	59	8
42	6	32	4.5	7.5	4.1	15	813	1,570	11.7	110	12
46	6	36	4.5	7.5	4.1	17	921	1,780	14.2	160	16
54	8	43	5.5	9	5.1	17	1,370	2,740	25.0	260	20
62	8	51	5.5	9	5.1	20	1,570	3,140	44.0	540	25
76	10	62	6.6	11	6.1	20	2,500	5,490	78.9	815	30
98	13	80	9	14	8.1	20	3,430	8,040	147	1,805	40
112	13	94	9	14	8.1	25	6,080	15,900	396	2,820	50
134	18	112	11	17	11.1	25	7,550	20,000	487	4,920	60

1N ≙ 0.102kgf 1N · m ≙ 0.102kgf · m



## KBK-W TYPE (Euro Standard)

– Square Flange Double-Wide Type –



### part number structure

example **KBKS 25 G W UU - SK**

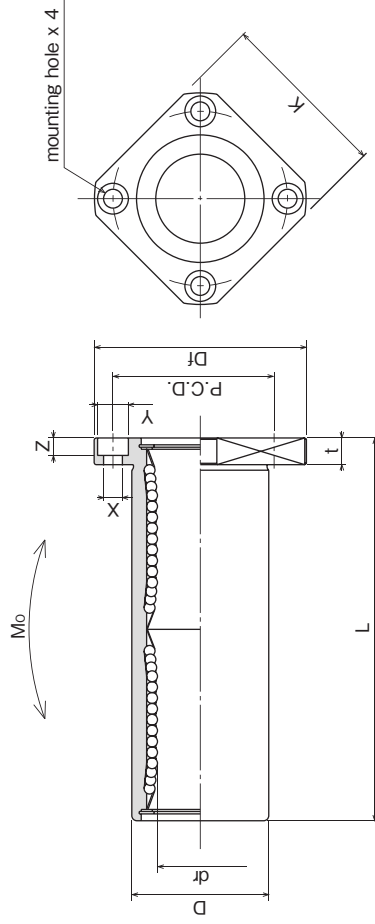
specification  
**KBK**: standard  
**KBKS**: anti-corrosion

inner contact diameter (dr)

retainer material  
**blank**: standard/steel  
**G**: resin

outer cylinder surface treatment  
**blank**: no surface treatment  
**SK**: electroless nickel plating  
**LF**: low temperature black chrome treatment with fluoride coating  
**SB**: black oxide (not available on anti-corrosion type)  
**SC**: industrial chrome plating

seal  
**blank**: without seal  
**UU**: seals on both sides  
 double-wide type



steel retainer	part number		number of ball circuits	dr		major dimensions	
	resin retainer	stainless retainer		mm	tolerance $\mu\text{m}$	D	L
KBK 8W	KBK 8GW	KBKS 8W	4	8	16	$0/-13$	46
KBK 12W	KBK 12GW	KBKS 12W	4	12	22	0	61
KBK 16W	KBK 16GW	KBKS 16W	4	16	26	-16	68
KBK 20W	KBK 20GW	KBKS 20W	5	20	32	0	80
KBK 25W	KBK 25GW	KBKS 25W	6	25	40	-19	112
KBK 30W	KBK 30GW	KBKS 30W	6	30	47	0	123
KBK 40W	KBK 40GW	KBKS 40W	6	40	62	0	151
KBK 50W	KBK 50GW	KBKS 50W	6	50	75	-22	192
KBK 60W	KBK 60GW	KBKS 60W	6	60	90	$0/-25$	209

Df mm	K mm	t mm	flange		eccentricity $\mu\text{m}$	basic load rating dynamic C N	allowable static moment Mo N·m	mass g	shaft diameter mm
			P.C.D. mm	X×Y×Z mm					
32	25	5	24	3.5×6×3.1	15	421	4.3	51	8
42	32	6	32	4.5×7.5×4.1	15	813	11.7	90	12
46	35	6	36	4.5×7.5×4.1	17	921	14.2	135	16
54	42	8	43	5.5×9×5.1	17	1,370	25.0	225	20
62	50	8	51	5.5×9×5.1	20	1,570	44.0	500	25
76	60	10	62	6.6×11×6.1	20	2,500	78.9	720	30
98	75	13	80	9×14×8.1	25	3,430	147	1,600	40
112	88	13	94	9×14×8.1	25	6,080	396	2,620	50
134	106	18	112	11×17×11.1	25	7,550	487	4,480	60

1N $\approx$ 0.102kgf 1N·m $\approx$ 0.102kgf·m

# KBFC TYPE (Euro Standard)

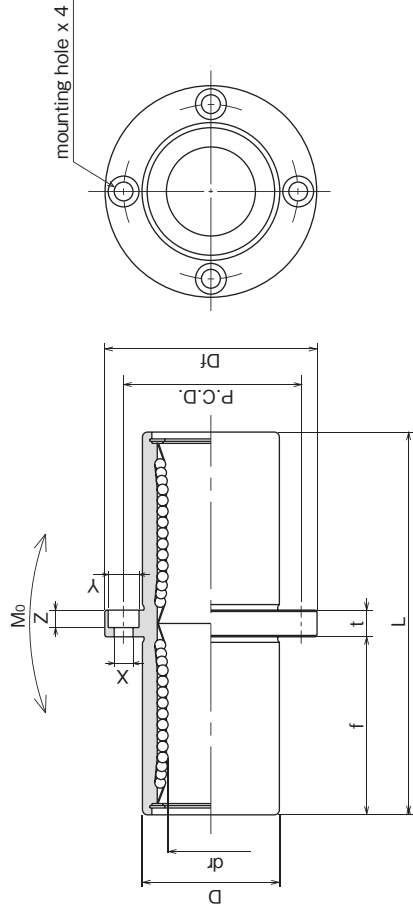
– Center Mount Round Flange Type –



## part number structure

example **KB****SFC** **25****G****UU****-SK**

specification KBFC: standard KBSSFC: anti-corrosion	outer cylinder surface treatment blank: no surface treatment SK: electroless nickel plating LF: low temperature black chrome treatment with fluoride coating SB: black oxide (not available on anti-corrosion type) SC: industrial chrome plating
inner contact diameter (dr)	seal blank: without seal UU: seals on both sides
retainer material blank: standard/steel G: resin	



standard	part number		number of ball circuits	major dimensions	
	steel retainer	anti-corrosion stainless retainer		D tolerance	L tolerance
KBFC 8	KBFC 8G	KBSSFC 8	4	16	±0.3
KBFC12	KBFC12G	KBSSFC12	4	22	0/-13
KBFC16	KBFC16G	KBSSFC16	4	26	0
KBFC20	KBFC20G	KBSSFC20	5	32	-16
KBFC25	KBFC25G	KBSSFC25	6	40	0
KBFC30	KBFC30G	KBSSFC30	6	47	-19
KBFC40	KBFC40G	KBSSFC40	6	62	0
KBFC50	KBFC50G	KBSSFC50	6	75	-22
KBFC60	KBFC60G	KBSSFC60	6	90	0/-25

f	Df	flange		eccentricity perpendicularity	basic load rating		allowable static moment	mass	shaft diameter
		t	P.C.D.		dynamical	static			
20.5	32	5	24	15	421	804	4.3	59	8
27.5	42	6	32	15	813	1,570	11.7	110	12
31	46	6	36	17	921	1,780	14.2	160	16
36	54	8	43	17	1,370	2,740	25.0	260	20
52	62	8	51	20	1,570	3,140	44.0	540	25
56.5	76	10	62	20	2,500	5,490	78.9	815	30
69	98	13	80	25	3,430	8,040	147	1,805	40
89.5	112	13	94	25	6,080	15,900	396	2,820	50
95.5	134	18	112	25	7,550	20,000	487	4,920	60

1N≐0.102kgf 1N·m≐0.102kgf·m

# KBKC TYPE (Euro Standard)

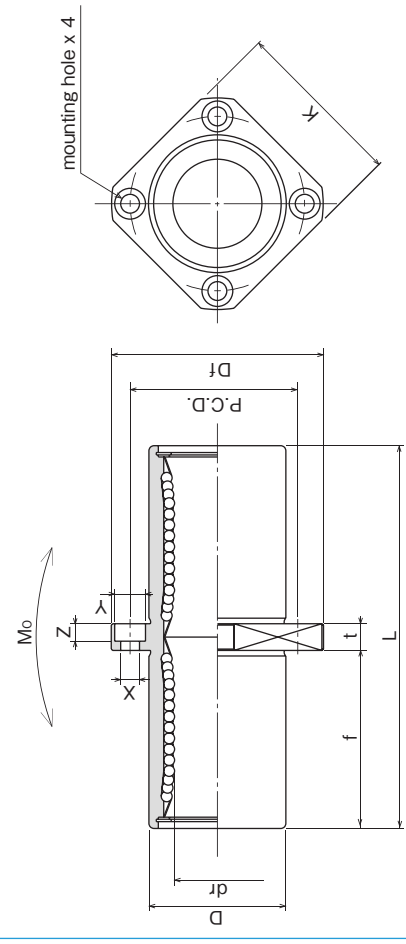
– Center Mount Square Flange Type –



## part number structure

example **KBKSC 25 G UU-SK**

specification KBKC: standard KBKSC: anti-corrosion	outer cylinder surface treatment blank: no surface treatment SK: electroless nickel plating LF: low temperature black chrome treatment with fluoride coating SB: black oxide (not available on anti-corrosion type) SC: industrial chrome plating
inner contact diameter (dr)	seal blank: without seal UU: seals on both sides
retainer material blank: standard/steel G: resin	



standard	part number		number of ball circuits	major dimensions	
	steel retainer	anti-corrosion resin retainer		D	L
KBKC 8	KBKC 8G	KBKSC 8	4	16	±0.3
KBKC 12	KBKC 12G	KBKSC 12	4	22	mm
KBKC 16	KBKC 16G	KBKSC 16	4	26	tolerance
KBKC 20	KBKC 20G	KBKSC 20	5	32	μm
KBKC 25	KBKC 25G	KBKSC 25	6	40	0
KBKC 30	KBKC 30G	KBKSC 30	6	47	-16
KBKC 40	KBKC 40G	KBKSC 40	6	62	0
KBKC 50	KBKC 50G	KBKSC 50	6	75	-19
KBKC 60	KBKC 60G	KBKSC 60	6	90	0

f	Df	K	t	flange		X	Y	Z	eccentricity	perpendicularity	basic load rating		allowable static moment	mass	shaft diameter
				P.C.D.	mm						dynamic	static			
20.5	32	25	5	24	3.5	6	3.1	15	421	804	4.3	51	8		
27.5	42	32	6	32	4.5	7.5	4.1	17	813	1,570	11.7	90	12		
31	46	35	6	36	4.5	7.5	4.1	17	921	1,780	14.2	135	16		
36	54	42	8	43	5.5	9	5.1	20	1,370	2,740	25.0	225	20		
52	62	50	8	51	5.5	9	5.1	20	1,570	3,140	44.0	500	25		
56.5	76	60	10	62	6.6	11	6.1	25	2,500	5,490	78.9	720	30		
69	98	75	13	80	9	14	8.1	20	3,430	8,040	147	1,600	40		
89.5	112	88	13	94	9	14	8.1	25	6,080	15,900	396	2,620	50		
95.5	134	106	18	112	11	17	11.1	25	7,550	20,000	487	4,480	60		

1N≐0.102kgf 1N·m≐0.102kgf·m