KBT TYPE

— Two Side Cut Flange Type —

KBT type is a metric dimension series generally used in Europe.

part number structure example

KBST **12** **G** **UU** - **SK**

specification

KBT	standard
KBST	anticorrosion

inner contact diameter

retainer material

blank	steel
G	resin

seals on both sides

outer cylinder surface treatment

blank	no surface treatment
SK	electroless nickel plating
RD	Raydent treatment
SB	black oxide*
SC	industrial chrome plating

*not available in anticorrosion type

part number**				number of ball circuits	dr		D		L
standard		anticorrosion			mm	tolerance μm	mm	tolerance μm	±0.3 mm
steel retainer	resin retainer	stainless retainer	resin retainer						
KBT 5UU	**KBT 5GUU**	**KBST 5UU**	**KBST 5GUU**	4	5	+8 0	12	0 −13	22
KBT 8UU	**KBT 8GUU**	**KBST 8UU**	**KBST 8GUU**	4	8		16		25
KBT12UU	**KBT12GUU**	**KBST12UU**	**KBST12GUU**	4	12		22	0 −16	32
KBT16UU	**KBT16GUU**	**KBST16UU**	**KBST16GUU**	4	16	+9 −1	26		36
KBT20UU	**KBT20GUU**	**KBST20UU**	**KBST20GUU**	5	20		32	0 −19	45
KBT25UU	**KBT25GUU**	**KBST25UU**	**KBST25GUU**	6	25	+11 −1	40		58
KBT30UU	**KBT30GUU**	**KBST30UU**	**KBST30GUU**	6	30		47		68

** UU type is standard feature.

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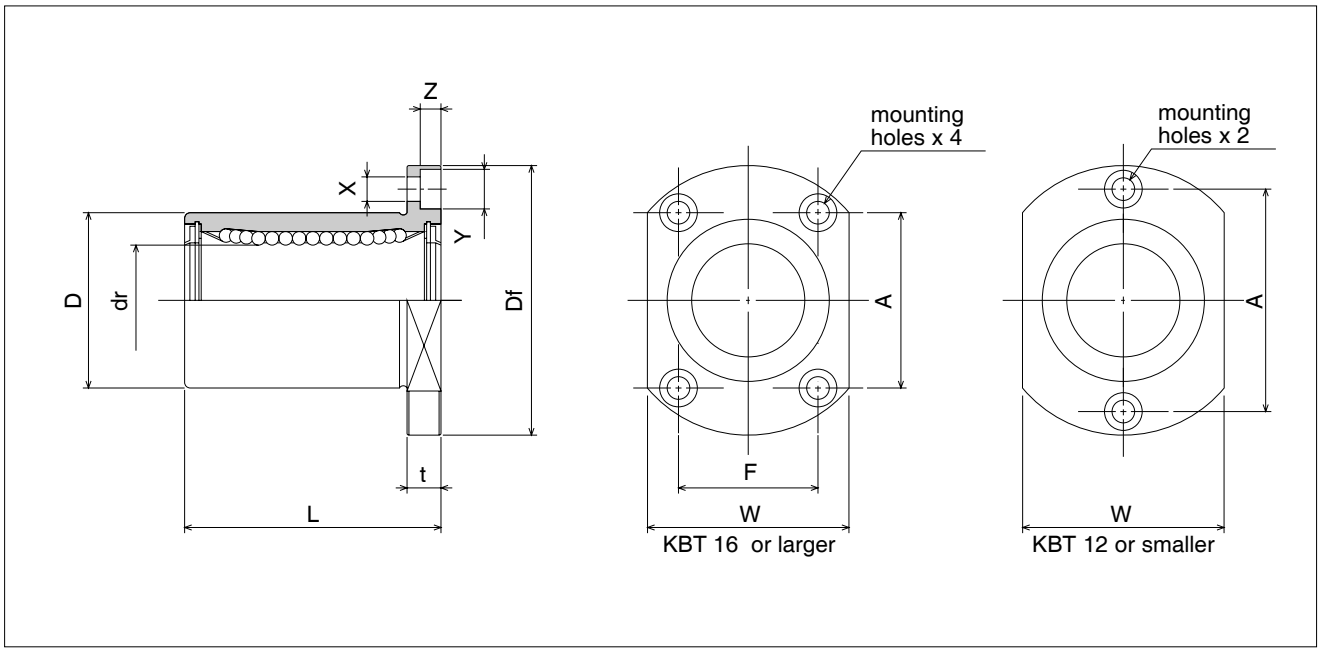

major dimensions						eccentricity	perpen-dicularity	basic load rating		mass	shaft diameter
flange								dynamic	static		
Df	W	t	A	F	X×Y×Z			C	Co		
mm	mm	mm	mm	mm	mm	μm	μm	N	N	g	mm
28	18	5	20	-	3.5× 6 ×3.1	12	12	206	265	25	5
32	22	5	24	-	3.5× 6 ×3.1			265	402	37	8
42	28	6	32	-	4.5×7.5×4.1			510	784	73	12
46	32	6	28	22	4.5×7.5×4.1			578	892	90	16
54	38	8	36	24	5.5× 9 ×5.1	15	15	862	1,370	155	20
62	46	8	40	32	5.5× 9 ×5.1			980	1,570	297	25
76	53	10	48	38	6.6× 11 ×6.1			1,570	2,740	471	30

1N≒0.102kgf

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SWT TYPE

— Two Side Cut Flange Type —

SWT type is an inch dimension series generally used in the U.S.

part number structure example

SWST **12** **G** **UU** - **SK**

specification

SWT	standard
SWST	anticorrosion

inner contact diameter

retainer material

blank	steel
G	resin

seals on both sides

outer cylinder surface treatment

blank	no surface treatment
SK	electroless nickel plating
RD	Raydent treatment
SB	black oxide*
SC	industrial chrome plating

*not available in anticorrosion type

part number***				number of ball circuits	dr		D		L
standard		anticorrosion			inch	tolerance inch	inch	tolerance inch	±0.012 inch
steel retainer	resin retainer	stainless retainer	resin retainer						
SWT 4UU	**SWT 4GUU**	**SWST 4UU**	**SWST 4GUU**	3****	.2500	0 −.00040	.5000	0/−.00050	.7500
SWT 6UU	**SWT 6GUU**	**SWST 6UU**	**SWST 6GUU**	4	.3750		.6250	0 −.00065	.8750
SWT 8UU	**SWT 8GUU**	**SWST 8UU**	**SWST 8GUU**	4	.5000		.8750		1.2500
SWT10UU	**SWT10GUU**	**SWST10UU**	**SWST10GUU**	4	.6250		1.1250		1.5000
SWT12UU	**SWT12GUU**	**SWST12UU**	**SWST12GUU**	5	.7500		1.2500	0 −.00075	1.6250
SWT16UU	**SWT16GUU**	**SWST16UU**	**SWST16GUU**	6	1.0000		1.5625		2.2500
SWT20UU	**SWT20GUU**	**SWST20UU**	**SWST20GUU**	6	1.2500	0/−.00050	2.0000	0/−.00090	2.6250

*** UU type is standard feature.
**** 4 rows for resin retainer type.

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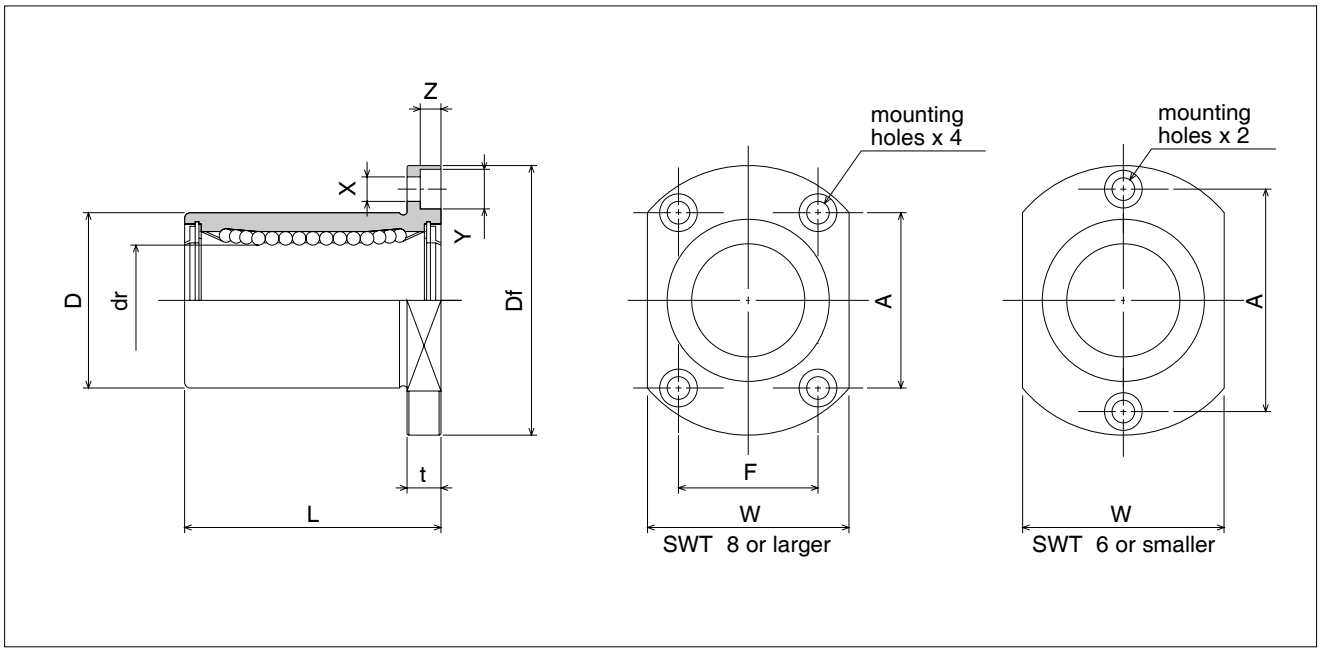

major dimensions						eccentricity	perpen-	basic load rating		mass	shaft
flange								dynamic	static		diameter
Df	W	t	A	F	X×Y×Z		dicularity	C	Co		
inch	inch	inch	inch	inch	inch	inch	inch	N	N	g	inch
1.2500	.7500	.2190	.8750	-	.1560×.2500×.1410	.0005	.0005	206	265	28	1/4
1.5000	.8750	.2500	1.0625	-	.1875×.2970×.1720			225	314	44	3/8
1.7500	1.1250	.2500	1.1250	.6875	.1875×.2970×.1720			510	784	77	1/2
2.0000	1.3750	.2500	1.2500	.9375	.1875×.2970×.1720			774	1,180	125	5/8
2.1875	1.5000	.3125	1.3750	1.0000	.2187×.3440×.2030	.0006	.0006	862	1,370	162	3/4
2.5000	1.8750	.3125	1.5625	1.3125	.2187×.3440×.2030			980	1,570	293	1
3.1250	2.3750	.3750	1.8750	1.7500	.2812×.4060×.2656	.0008	.0008	1,570	2,740	586	1−1/4

1N≒0.225ℓbs 1kg≒2.205ℓbs

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