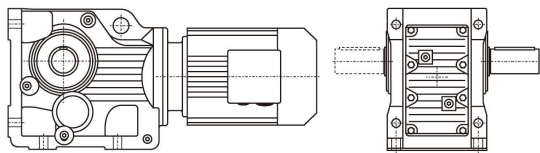
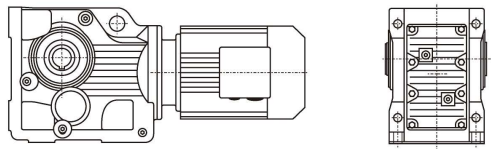




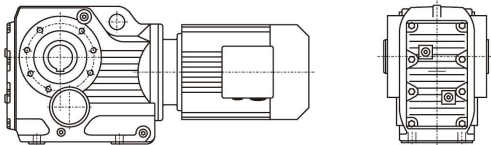
K series gear units are available in the following designs:



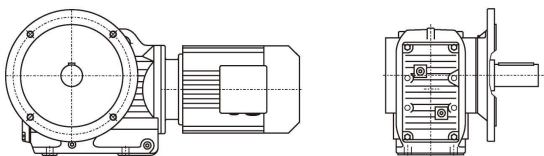
**K..Y..**  
Foot-mounted solid shaft helical bevel gear units



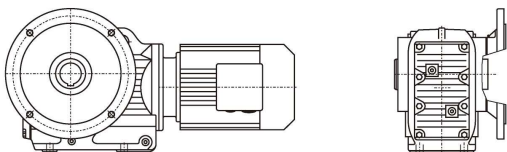
**KAB...Y..**  
Foot-mounted hollow shaft helical bevel gear units



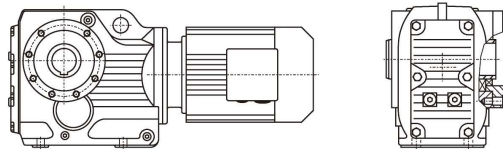
**KA...Y..**  
Hollow shaft helical bevel gear units



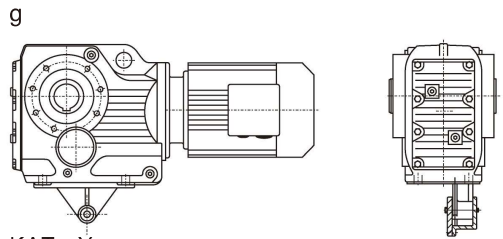
**KF...Y..**  
Flanged-mounted solid shaft helical bevel units



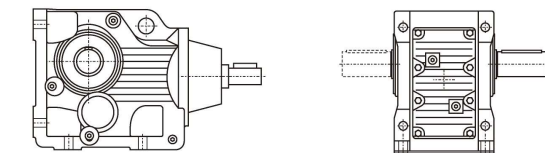
**KAF...Y..**  
Flange-mounted hollow shaft helical bevel gear units



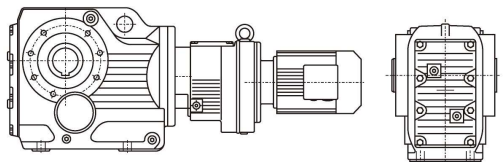
**KAZ...Y..**  
Short-flange-mounted hollow shaft helical bevel gear units



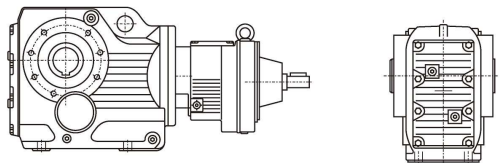
**KAT...Y..**  
Torque-arm-mounted hollow shaft helical bevel gear units



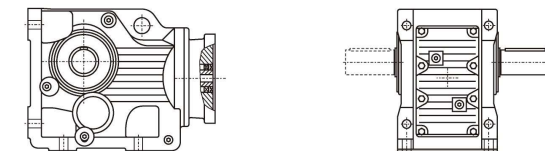
**K ( KF, KA, KAF, KAB, KAZ ) S...**  
Helical bevel gear units with solid shaft input



**KA ( K, KF, KAF, KAB, KAZ ) ...R...Y...**  
Combi-type helical bevel gear units



**KA ( K, KF, KAF, KAB, KAZ ) S...R...**  
Combi-type helical bevel gear units with solid shaft input

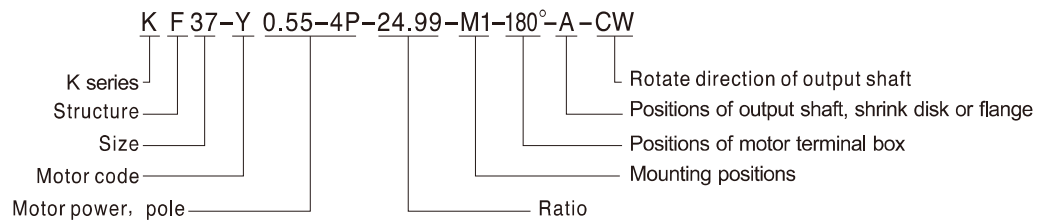


**KA ( K, KF, KAF, KAB, KAZ ) ...Y...**  
Customers provide the motor by themselves need connected flange.





## Type Designations:



K series:  
Helical bevel gear units

### Structure:

Foot-mounted solid shaft	(-)
Hollow shaft	A
Flange-mounted solid shaft	F
Flange-mounted hollow shaft	AF
Short-flange-mounted hollow shaft	AZ
Foot-mounted hollow shaft	AB
Torque-arm-mounted hollow shaft	AT
Foot-mounted solid shaft with solid shaft input	S
Hollow shaft with solid shaft input	AS
Flange-mounted solid shaft with solid shaft input	FS
Flange-mounted hollow shaft with solid shaft input	AFS
Hollow shaft with shrink disk	H..(H, HF, HZ, HT)

Size:  
(see selection table)

### Motor code:

Common motor	Y(Y2)
Flameproof motor	B
Direct current motor	Z
Brake motor	YEJ
Multi-speed motor	D
Variable frequency motor	YVP
Electromagnetic variable speed motor	YCT
Metallurgy hoisting motor	R
Transduction braking motor	YVPJ
Roller way	G

Motor power, pole :  
See selection table

Ratio:  
See selection table

Mounting positions:  
M1, M2, M3, M4, M5, M6(See page 03)

Positions of motor terminal box:  
0°, 90°, 180°, 270°(See page 03)

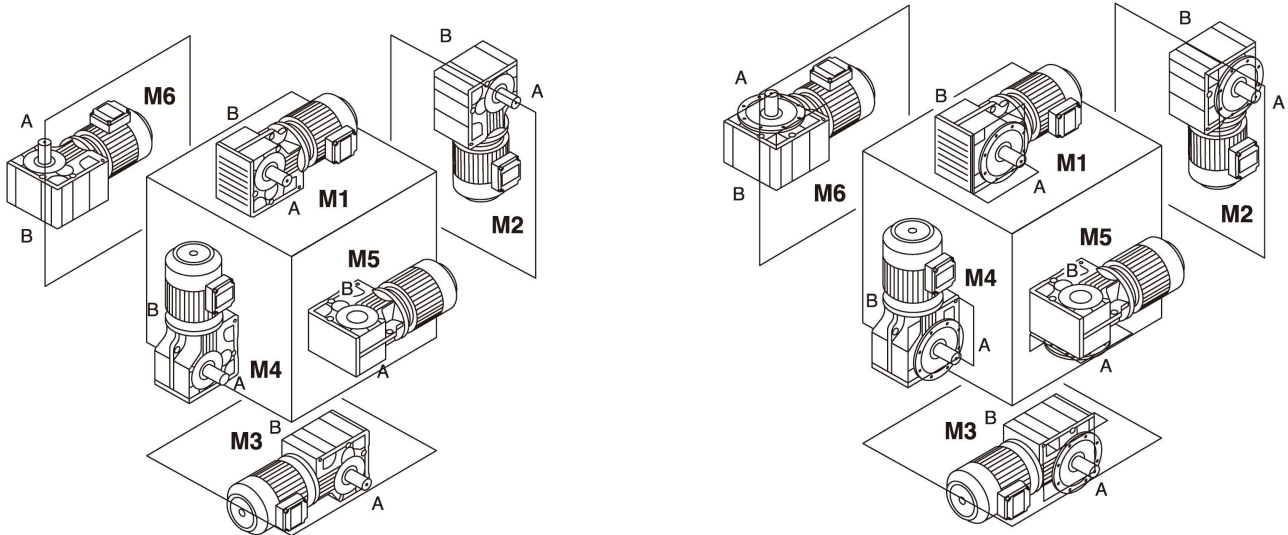
Output shaft \ flange \ shrink disc directions:  
Viewing from motor end: left side = A, right side = B,  
both side = AB(See mountingpositions)

Direction of rotation from the output shaft end:  
Clockwise CW  
Counter clockwise CCW

\*Dimensions of hollow shaft with shrink disc, see page 40-41.

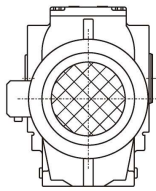


## Mounting positions

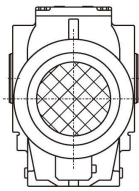


K

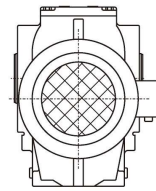
## Positions of motor terminal box:



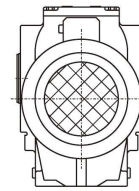
0°



90°



180°



270°

## Input power rating and permissible torque

Size	37	47	57	67	77	87	97	107	127	157	167	187
Structure	K KA KF KAF KAZ KAT KAB											
Input power rating (kW)	0.18~3.0	0.18~3.0	0.18~5.5	0.18~5.5	0.37~11	0.75~22	1.1~30	3~45	7.5~90	11~160	11~200	18.5~200
Ratio	5.36~106.38	5.81~131.87	6.57~145.14	7.14~144.79	7.24~192.18	7.19~197.37	8.95~176.05	8.74~141.46	8.68~146.07	12.65~150.41	17.28~163.91	17.27~180.78
Permissible torque (n.m)	200	400	600	820	1550	2700	4300	8000	13000	18000	32000	50000

## Gear unit weight

Size	37	47	57	67	77	87	97	107	127	157	167	187
Weight (kgs)	11	20	27	33	57	85	130	250	380	610	1015	1700

The marked weight is average value, it has no constraint force.



Oil

K...,KAB...:

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.3	1	1
K..47	0.8	1.3	1.5	2	1.6	1.6
K..57	1.2	2.3	2.5	3	2.6	2.4
K..67	1.1	2.4	2.6	3.4	2.6	2.6
K..77	2.2	4.1	4.4	5.9	4.2	4.4
K..87	3.7	8	8.7	10.9	7.8	8
K..97	7	14	15.7	20	15.7	15.5
K..107	10	21	25.5	33.5	24	24
K..127	21	41.5	44	54	40	41
K..157	31	62	65	90	58	62
K..167	35	100	100	125	85	85
K..187	60	170	170	205	130	130

KF...:

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
KF37	0.5	1.1	1.1	1.5	1	1
KF47	0.8	1.3	1.7	2.2	1.6	1.6
KF57	1.3	2.3	2.7	3	2.9	2.7
KF67	1.1	2.4	2.8	3.6	2.7	2.7
KF77	2.1	4.1	4.4	6	4.5	4.5
KF87	3.7	8.2	9	11.9	8.4	8.4
KF97	7	14.7	17.3	21.5	15.7	16.5
KF107	10	22	26	35	25	25
KF127	21	41.5	46	55	41	41
KF157	31	66	69	92	62	62

KA..., KAF..., KAZ...:

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.4	1	1
K..47	0.8	1.3	1.6	2.1	1.6	1.6
K..57	1.3	2.3	2.7	3	2.9	2.7
K..67	1.1	2.4	2.7	3.6	2.6	2.6
K..77	2.1	4.1	4.6	6	4.4	4.4
K..87	3.7	8.2	8.8	11.1	8	8
K..97	7	14.7	15.7	20	15.7	15.7
K..107	10	20.5	24	32	24	24
K..127	21	41.5	43	52	40	40
K..157	31	66	67	87	62	62
KA..167	35	100	100	125	85	85
KA..187	60	170	170	205	130	130