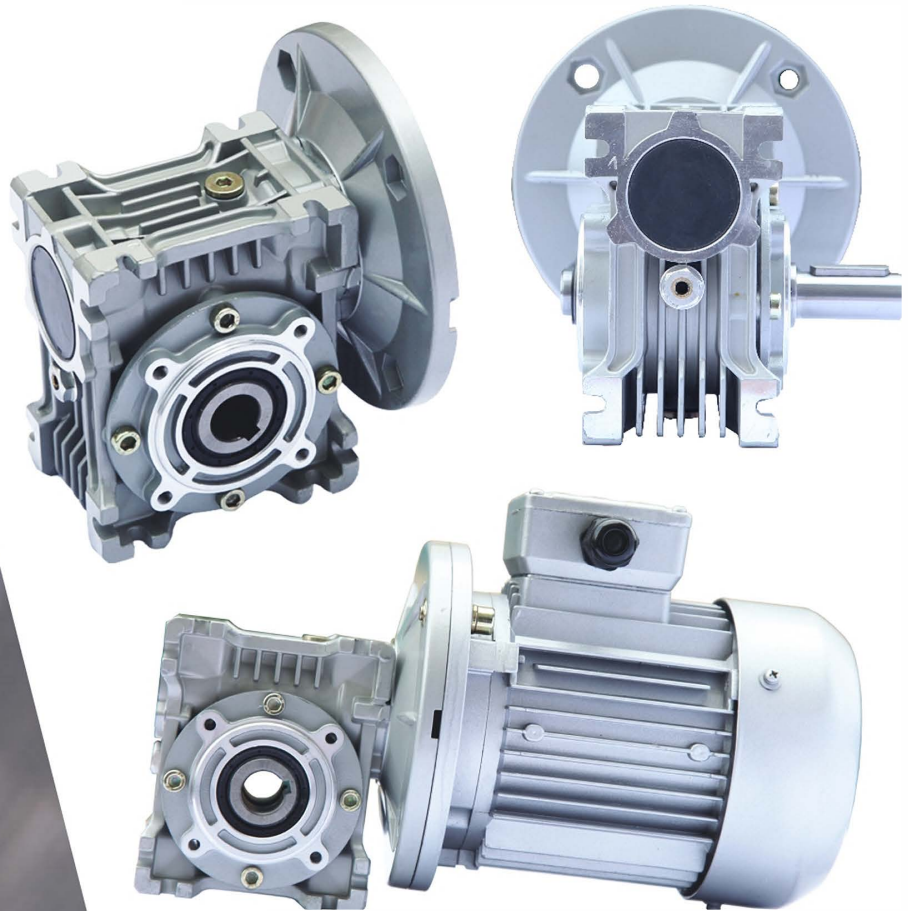


KOBRA X[®]

**Gear Reducers, Integral
Gearmotors and Gear+Motors**

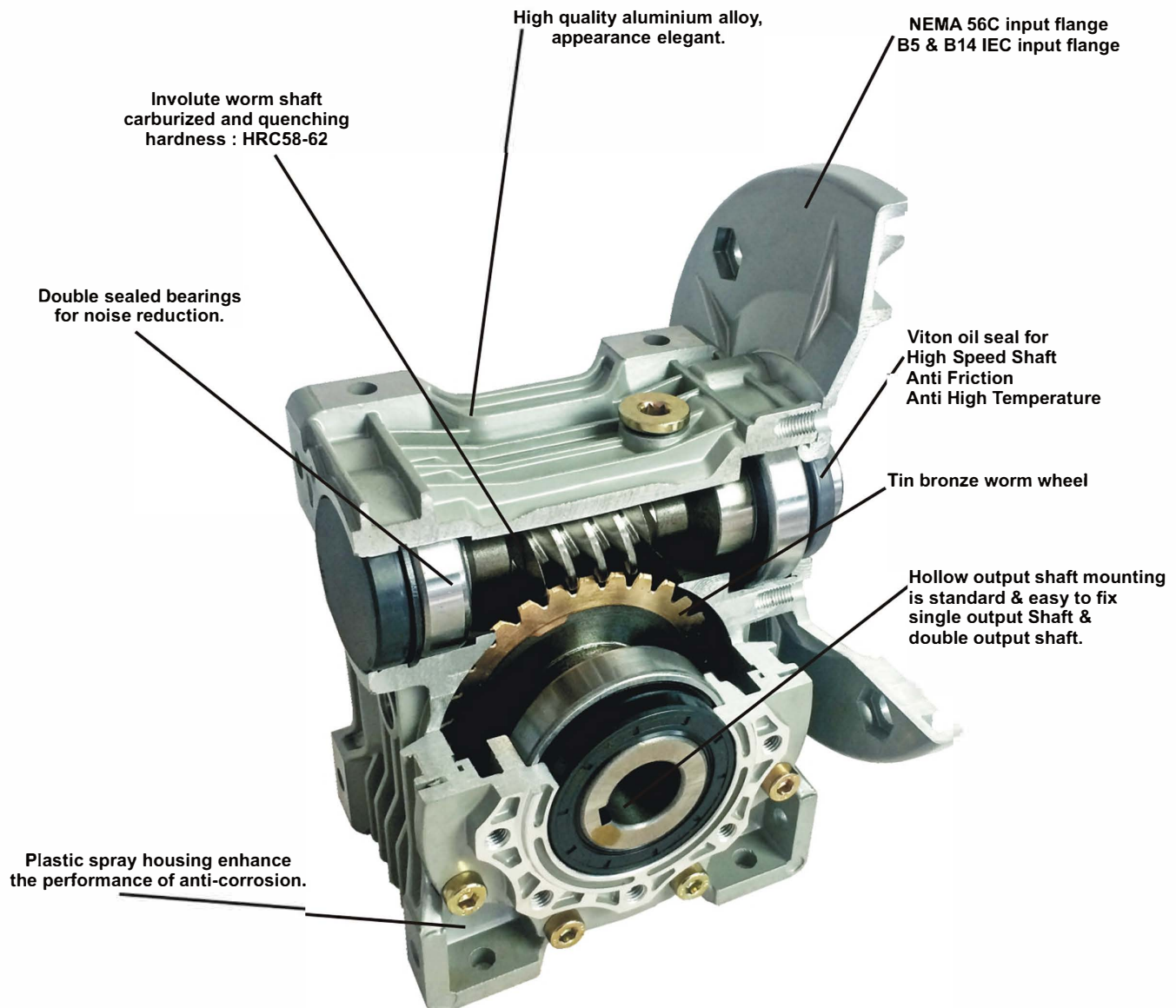


KOB SERIES

A Dmvr Brand

DMVR

WORM GEAR BOX



KOB SERIES WORM REDUCER

Salient Features of worm gear box

- Cases up to 90 in die-cast aluminium alloy and up to 185 in grey cast iron
- Aluminium units are supplied complete with synthetic oil and allow for universal mounting positions, with no need to modify lubricant quantity
- Worm wheel : Tin Bronze Alloy
- Excellent mechanical strength and particularly lightweight
- Plastic spray housing enhancing the performance of anti-corrosion.
- Worm gear reducers are also available in BDM/BDM Combinations

Signs and Marks

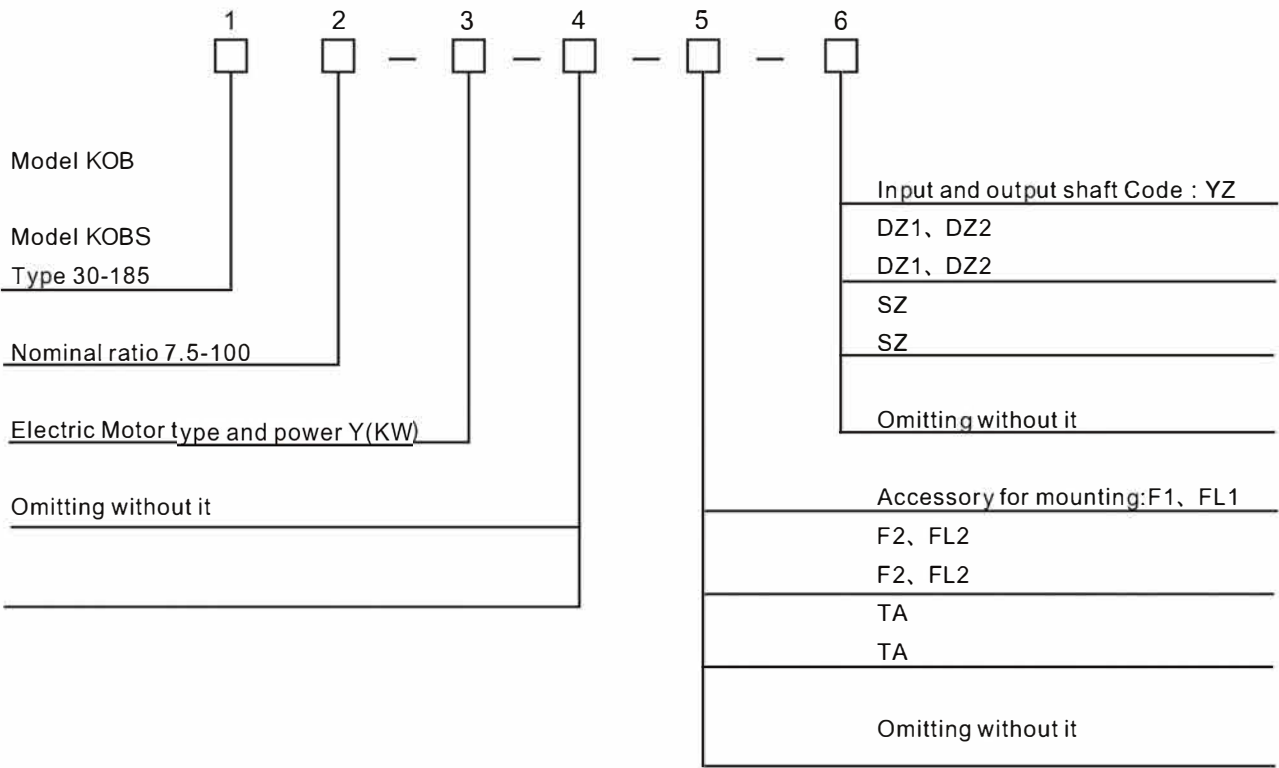
The signs consist of : model, type (centre distance), nominal transmission ratio, the kind of added electric motor and the way of input and output. Their meanings as shown in table 1 & chart 1.

Sign Explanation

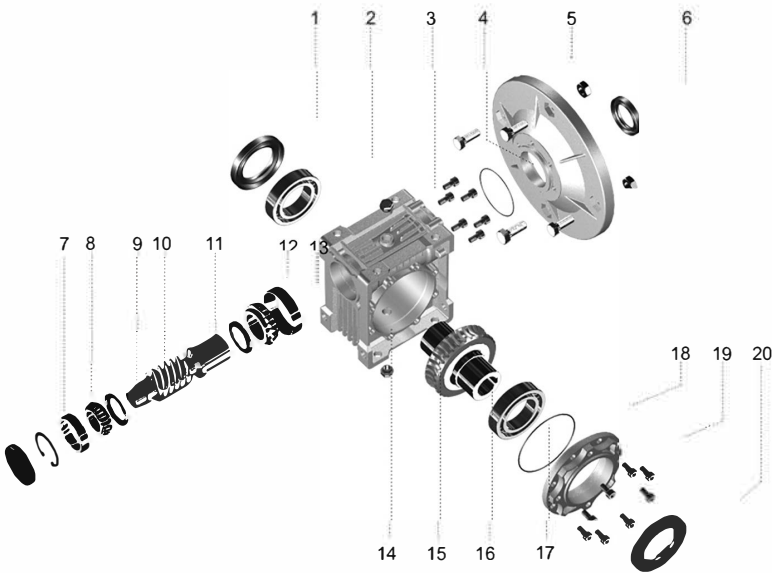
(Table 1)

KOB	With input flange (using with electric motor)
KOBS	With input shaft
25-30-40-50-63-75-90-110-130-150-185	Type (centre distance)
7.5-10-15-20-25-30-40-50-60-80-100	Nominal ratio
F.....(1-2).FL.....(1-2)	Output flange and mounting position (F-output short flange. FL-output long flange)
TA	With torque arm
YZ	With extension worm shaft
DZ1,DZ2	With single output shaft
SZ	With double output shaft

Model Designation



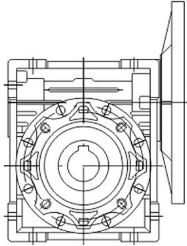
KOB SERIES



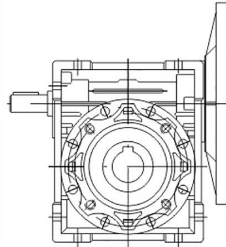
No.	Name
1	Oil seal
2	Bearing
3	Breather vent
4	O-type seal ring
5	Input flange
6	Oil seal
7	Seal and cover
8	Circlip hole use
9	Bearing
10	Oil baffle disc
11	Worm
12	Oil baffle disc
13	Bearing
14	Tank
15	Plug screw
16	Gear
17	Bearing
18	O-type seal ring
19	Bearing and cover
20	Oil seal

(Chart 1)

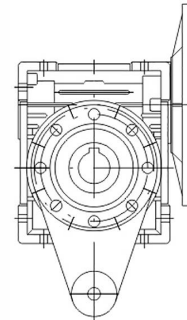
KOB.....



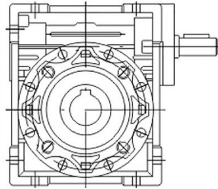
KOB.....YZ



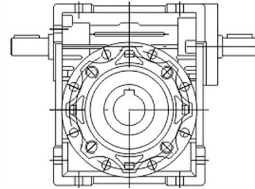
.....TA



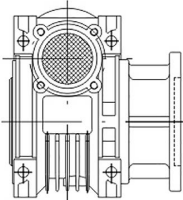
KOBS.....



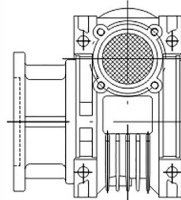
KOBS.....YZ



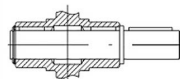
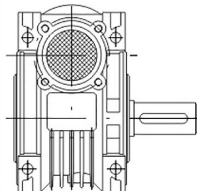
.....F1,FL1



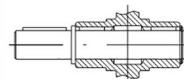
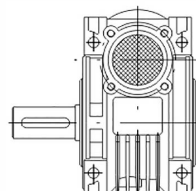
.....F2,FL2



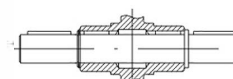
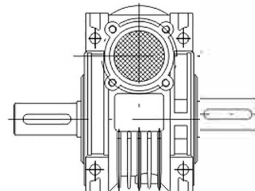
.....DZ1



.....DZ2



.....SZ



The requirement of using and maintain

Do not put pressure on output part and box when mounting it ,

It must keep coaxial degree and vertical degree in just lever when conjoining reducer with other device .

Must keep plenty of oil lubrication in the reducer and check it often.

Must add or replace in time when oil reduce or get bad. (lubrication type see attached table and chart 8)

It is useful to keep reducer clean so that reducer radiates warmth more efficiently.

(Attached table)

Reference circle of worm slide(m/s)	Lubrication type
≤ 2.2	G-N680W(G-N460W)
$> 2.5-5$	G-N320W
$> 5-12$	G-N220W

Service Factor

No of starts per hour <10			
Nature of load generated by driven machine	Hours running per day		
	<2	2~8	8~16
Uniform	sf=0.8	sf=1	sf=1.25
Moderate Shock	sf=1	sf=1.25	sf=1.5
Heavy Shock	sf=1.25	sf=1.5	sf=1.75

No of starts per hour >10			
Nature of load generates by driven machine	Hours running per day		
	<2	2~8	8~24
Uniform	sf=1	sf=1.25	sf=1.75
Moderate Shock	sf=1.5	sf=1.75	sf=2
Heavy Shock	sf=1.75	sf=2	sf=2.25

Carrying Ability

(sf=1)

(Table 4)

l		n2										
			30	40	50	63	75	90	110	130	150	185
7.5	KW1 M2	187	0.41	0.90	1.58	2.84	4.06	6.3	10.4	16.1	25.8	39.1
			18	40	71	128	185	290	480	750	1200	1740
10	KW1 M2	140	0.32	0.69	1.23	2.19	3.25	5.11	8.57	13.5	20.2	30
			18	40	72	130	195	310	520	820	1240	1800
15	KW1 M2	93	0.23	0.48	0.88	1.65	2.30	4.09	6.48	10.3	13.9	21
			18	40	74	140	200	360	570	920	1250	1760
20	KW1 M2	70	0.18	0.37	0.68	1.22	1.88	3.10	4.83	7.76	11	19.6
			18	39	73	135	210	355	560	910	1300	2270
25	KW1 M2	56	0.18	0.30	0.54	0.98	1.47	2.43	4.12	6.49	8.4	13.8
			21	38	70	130	200	340	590	930	1200	1950
30	KW1 M2	47	0.15	0.31	0.57	1.06	1.48	2.57	3.90	6.35	7	14
			20	45	84	160	230	410	630	1040	1200	2200
40	KW1 M2	35	0.11	0.23	0.42	0.76	1.12	1.76	2.87	4.93	7.3	12.1
			18	41	76	145	220	360	610	1050	1550	2570
50	KW1 M2	28	0.09	0.18	0.34	0.60	0.89	1.38	2.35	3.83	5.4	9.3
			17	39	73	135	210	340	600	980	1400	2370
60	KW1 M2	23	0.08	0.15	0.28	0.51	0.75	1.13	1.9	3.05	4.2	7.6
			16	36	68	130	200	320	560	900	1260	2270
80	KW1 M2	18	0.05	0.12	0.22	0.39	0.58	0.83	1.34	2.26	3.1	5.6
			13	33	65	122	190	285	490	840	1150	2100
100	KW1 M2	14	-	0.09	0.16	0.34	0.48	0.67	1.07	1.70	2.29	4.1
			-	29	55	118	180	270	460	740	1000	1810

Data Table

(with 4 poles, 1400rpm motor)

(Table 5)

Type	iN	n2	KW ₁	M2	Sf	iAC
30	7.5	186.7	0.18	7	1.9	7.5
	10	140	0.18	9	1.5	10
	15	93.3	0.18	13	1.0	15
	20	70	0.18	17	0.8	20
	25	56	0.18	21	1.0	25
	30	46.7	0.18	24	0.8	30
	40	35	0.12	19	0.9	40
	50	28	0.12	23	0.8	50
63	60	23.3	0.09	19	0.9	60
	80	17.5	0.06	14	0.9	80
	100	14	0.37	129	0.9	100
	7.5	186.7	1.5	68	1.5	7.5
	10	140	1.5	88	1.2	10
	15	93.3	1.5	126	0.9	15
	20	70	1.5	166	0.8	20
	25	56	1.1	146	0.9	25
110	30	46.7	1.1	167	1.0	30
	40	35	1.1	207	0.7	40
	50	28	0.55	124	1.1	50
	60	23.3	0.55	140	0.9	60
	80	17.5	0.37	115	1.1	80
	100	14	0.37	129	0.9	100
	7.5	186.7	7.5	345	1.4	7.5
	10	140	7.5	455	1.1	10
130	15	93.3	5.5	484	1.2	15
	20	70	5.5	638	0.8	20
	25	56	5.5	790	0.8	25
	30	46.7	4	647	0.9	30
	40	35	3	638	0.9	40
	50	28	3	767	0.8	50
	60	23.3	2.2	648	0.8	60
	80	17.5	1.5	548	0.8	80
150	100	14	1.1	473	0.9	100
	7.5	186.7	4	182	1.0	7.5
	10	140	3	180	1.1	10
	15	93.3	3	261	0.8	15
	20	70	2.2	240	0.8	20
	25	56	1.5	205	1.0	25
	30	46.7	2.2	337	0.7	30
	40	35	1.1	216	1.0	40
185	50	28	1.1	264	0.8	50
	60	23.3	1.1	279	0.7	60
	80	17.5	0.55	180	1.0	80
	100	14	0.55	206	0.9	100
	7.5	186.7	7.5	343	1.8	7.5
	10	140	7.5	453	1.5	10
	15	93.3	7.5	664	1.1	15
	20	70	7.5	864	0.8	20
200	25	56	7.5	1074	0.8	25
	30	46.7	5.5	900	1.1	30
	40	35	5.5	1171	0.9	40
	50	28	5.5	1379	0.7	50
	60	23.3	4	1179	0.8	60
	80	17.5	2.2	816	1.0	80
	100	14	2.2	966	0.8	100
	7.5	186.7	15	690	1.7	7.5
225	10	140	15	870	1.4	10
	15	93.3	11	945	1.25	15
	20	70	11	1250	1.0	20
	25	56	7.5	1040	1.1	25
	30	46.7	7.5	1200	0.9	30
	40	35	7.5	1550	1.0	40
	50	28	5.5	1400	1.0	50
	60	23.3	4	1180	1.0	60
250	80	17.5	3	1130	1.0	80
	100	14	2.2	975	1.0	100
	7.5	186.7	4	180	1.3	7.5
	10	140	4	236	1.1	10
	15	93.3	4	342	0.9	15
	20	70	4	458	0.8	20
	25	56	3	420	0.8	25
	30	46.7	3	479	0.9	30
300	40	35	2.2	433	0.8	40
	50	28	2.2	492	0.6	50
	60	23.3	1.5	424	0.8	60
	80	17.5	1.1	365	0.8	80
	100	14	0.75	302	0.9	100
	7.5	186.7	15	690	1.7	7.5
	10	140	15	870	1.4	10
	15	93.3	11	945	1.25	15
350	20	70	11	1250	1.0	20
	25	56	7.5	1040	1.1	25
	30	46.7	7.5	1200	0.9	30
	40	35	7.5	1550	1.0	40
	50	28	5.5	1400	1.0	50
	60	23.3	4	1180	1.0	60
	80	17.5	3	1130	1.0	80
	100	14	2.2	975	1.0	100
400	7.5	186.7	0.75	33	1.7	7.5
	10	140	0.75	42	1.3	10
	15	93.3	0.75	58	1.0	15
	20	70	0.75	81	0.9	20
	25	56	0.55	71	1.0	25
	30	46.7	0.55	81	1.0	30
	40	35	0.55	101	0.8	40
	50	28	0.37	80	0.9	50
450	60	23.3	0.37	89	0.8	60
	80	17.5	0.25	72	0.9	80
	100	14	0.18	60	0.9	100
	7.5	186.7	4	180	1.3	7.5
	10	140	4	236	1.1	10
	15	93.3	4	342	0.9	15
	20	70	4	458	0.8	20
	25	56	3	420	0.8	25
500	30	46.7	3	479	0.9	30
	40	35	2.2	433	0.8	40
	50	28	2.2	492	0.6	50
	60	23.3	1.5	424	0.8	60
	80	17.5	1.1	365	0.8	80
	100	14	0.75	302	0.9	100
	7.5	186.7	15	690	1.7	7.5
	10	140	15	870	1.4	10
550	15	93.3	11	945	1.25	15
	20	70	11	1250	1.0	20
	25	56	7.5	1040	1.1	25
	30	46.7	7.5	1200	0.9	30
	40	35	7.5	1550	1.0	40
	50	28	5.5	1400	1.0	50
	60	23.3	4	1180	1.0	60
	80	17.5	3	1130	1.0	80
600	100	14	2.2	975	1.0	100
	7.5	186.7	22	980	1.75	7.5
	10	140	22	1320	1.35	10
	15	93.3	18.5	1550	1.1	15
	20	70	18.5	2140	1.0	20
	25	56	11	1560	1.25	25
	30	46.7	11	1760	1.3	30
	40	35	11	2320	1.1	40
650	50	28	7.5	1920	1.2	50
	60	23.3	7.5	2210	1.0	60
	80	17.5	5.5	2070	1.0	80
	100	14	4	1760	1.0	100

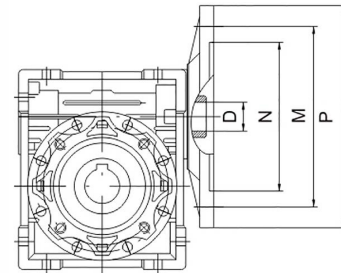
Note
n1---input speed rpm;
n2---Output speed rpm;
M2---Output torque Nm;
sf---Service factor
iN---Nominal ratio;
iAC---Actual ratio.

Type of Flange and Hollow Input Shaft Diameter D

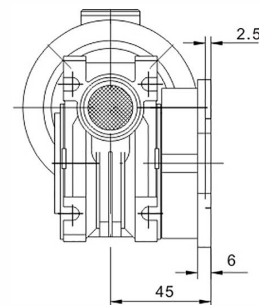
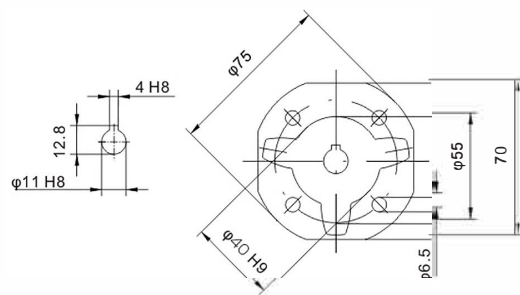
(Table 6)

Type	Flange type	N	M	P	i/Nominal ratio											
					7.5	10	15	20	25	30	40	50	60	80	100	
					D											
30	63B5	95	115	140	11	11	11	11	11	11	11	11	-	-	-	
	63B14	60	75	90	11	11	11	11	11	11	11	11	-	-	-	
	56B14	50	65	80	9	9	9	9	9	9	9	9	9	9	-	
40	71B5	110	130	160	14	14	14	14	14	14	14	14	-	-	-	
	63B5	90	115	140	11	11	11	11	11	11	11	11	11	11	11	
50	80B5	130	165	200	19	19	19	19	19	19	19	-	-	-	-	
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	-	
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	
	80B14	80	100	120	19	19	19	19	19	19	19	-	-	-	-	
	71B14	70	85	105	14	14	14	14	14	14	14	14	14	14	-	
63	90B5	130	165	200	24	24	24	24	24	24	24	-	-	-	-	
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	-	-	
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	
	71B14	70	85	105	14	14	14	14	14	14	14	14	14	14	14	
75/90	100/112B5	180	215	250	28	28	28	28	28	28	28	28	-	-	-	
	90B5	130	165	200	24	24	24	24	24	24	24	24	24	24	-	
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	19	19	
	90B14	95	115	140	24	24	24	24	24	24	24	24	24	24	-	
	80B14	80	100	120	19	19	19	19	19	19	19	19	19	19	19	
110/130	132B5	230	265	300	38	38	38	38	38	38	38	38	-	-	-	
	100/112B5	180	215	250	28	28	28	28	28	28	28	28	28	28	28	
	90B5	130	165	200	24	24	24	24	24	24	24	24	24	24	24	
	100/112B14	110	130	160	28	28	28	28	28	28	28	28	28	28	28	
	90B14	95	115	140	24	24	24	24	24	24	24	24	24	24	24	
150	160B5	250	300	350	42	42	42	42	-	-	-	-	-	-	-	
	132B5	230	265	300	38	38	38	38	38	38	38	38	-	-	-	
	100/112B5	180	215	250	28	28	28	28	28	28	28	28	28	28	28	
185	180B5	250	300	350	48	48	48	48	-	-	-	-	-	-	-	
	160B5	250	300	350	42	42	42	42	42	42	42	42	-	-	-	
	132B5	230	265	300	38	38	38	38	38	38	38	38	38	38	38	
	100/112B5	180	215	250	28	28	28	28	28	28	28	28	28	28	28	

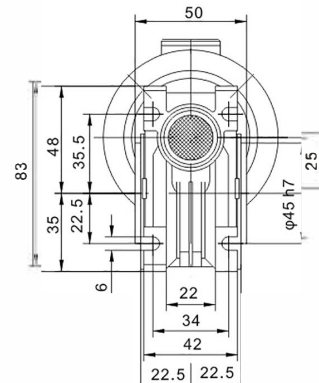
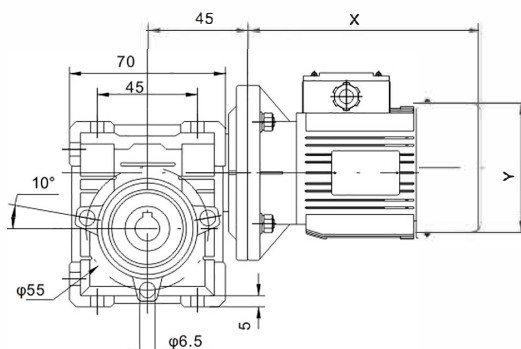
(Chart 2)



(Chart 3)

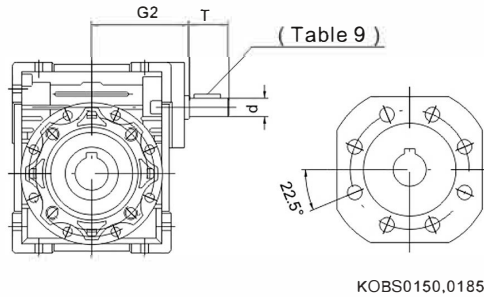


KOB025



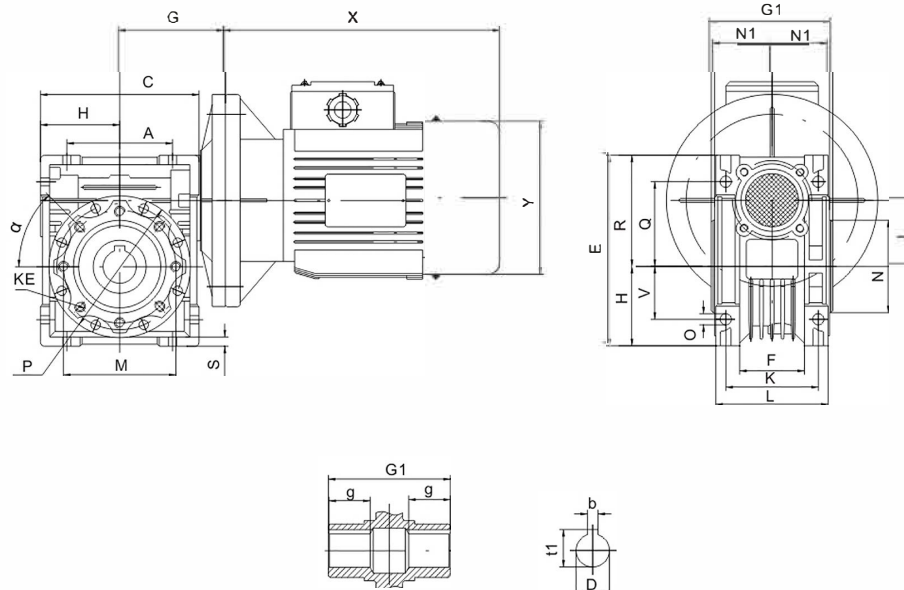
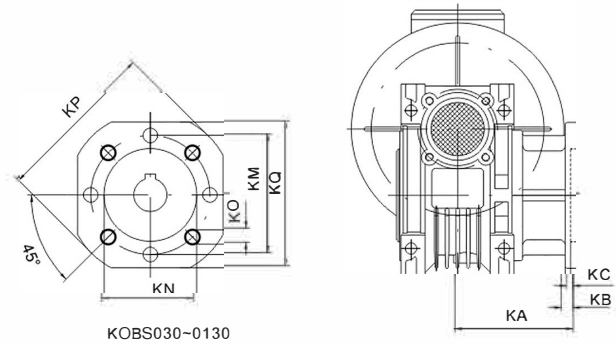
Dimensions

KOBS



KOB

(Chart 4)



Type	(Dimensions)																		
	A	C	D(H7)	E	F	G	H	I	L	M	N(h8)	O	P	Q	R	S	T	V	K
30	54	80	14	97	32	≤54	40	30	56	65	54	6.5	75	44	57	5.5	20	27	44
40	70	101	18	121.5	43	≤62	50	40	71	75	60	6.5	87	55	71.5	6.5	23	35	60
50	80	121.5	25	144	49	≤90	60	50	85	85	70	8.5	100	64	85	7	30	40	70
63	100	147.5	25	174	67	≤106	72	63	103	95	80	8.5	110	80	102	8	40	50	85
75	120	174	28	205	72	≤121	86	75	113	115	95	11	140	93	119	10	50	60	90
90	140	208	35	238	72	≤138	103	90	130	130	110	13	160	102	135	11	50	70	100
110	170	252.5	42	295		≤159	127.5	110	142	165	130	14	200	125	166.5	15	60	85	115
130	200	292.5	45	335		≤179	147.5	130	155	215	180	16	250	140	187.5	15	80	100	120
150	240	340	50	400		≤212	170	150	185	215	180	18	250	180	230	18	80	120	145
185	310	412	60	472		≤247	207	185	220	265	230	22	300	213	265	25	80	155	175

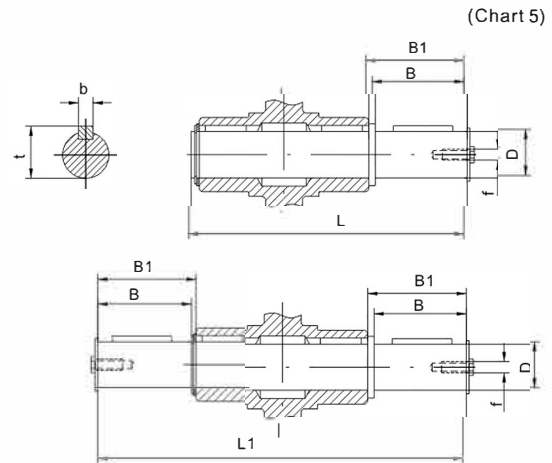
Type	(Dimensions)																			X	Y
	G1	G2	g	N1	KA		KB	KC	KE	α	KM	KN(H8)	KO	KP	KQ	d(j6)	b	t1			
30	63	51	20	29	54.5	FL	6	4	M6×11 (n4)	0°	68	50	6.5(4/90°)	80	70	9	5	16.3	See overall dimensions for electric motor		
40	78	60	23	36.5	67	97	7	4	M6×8 (n4)	45°	75	60	9(4/90°)	110	95	11	6	20.8			
50	92	74	30	43.5	90	120	9	5	M8×10 (n4)	45°	85	70	11(4/90°)	125	110	14	8	28.3			
63	112	90	40	53	82	112	10	6	M8×14 (n8)	45°	150	115	11(4/90°)	180	142	19	8	28.3			
75	120	105	40	57	111		13	6	M8×14 (n8)	45°	165	130	14(4/90°)	200	170	24	8	31.3			
90	140	125	45	67	111		13	6	M10×18 (n8)	45°	175	152	14(4/90°)	210	200	24	10	38.3			
110	155	142	50	74	139		15	6	M10×18 (n8)	45°	220	170	14(8/45°)	270	250	28	12	45.3			
130	170	162	60	81	151.5		15	6	M12×20 (n8)	45°	255	180	16(8/45°)	320	290	30	14	48.8			
150	200	210	70	96	155		15	7	M12×21 (n8)	45°	255	180	16(8/45°)	320	290	35	14	53.8			
185	240	240	70	116	190		22	7	M16×25 (n8)	45°	350	280	22(8/45°)	400	390	40	18	64.4			

Dimensions

Dimensions of single/double output shaft

(Table 8)

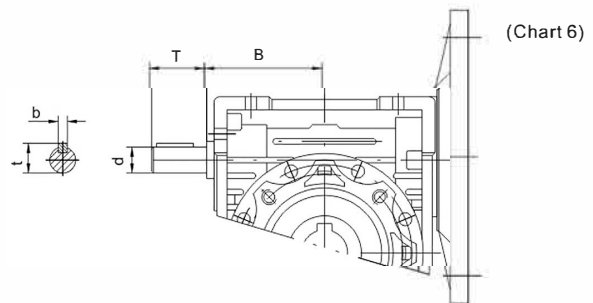
Type	D(h6)	B	B1	L	L1	f	b	t
30	14	30	32.5	102	128	M6	5	16
40	18	40	43	128	164	M6	6	20.5
50	25	50	53.5	153	199	M10	8	28
63	25	50	53.5	173	219	M10	8	28
75	28	60	63.5	192	247	M10	8	31
90	35	80	84	234	308	M12	10	38
110	42	80	84.5	249	324	M16	12	45
130	45	80	85	265	340	M16	14	48.5
150	50	102	110	324	420	M20	14	53.5
185	60	112	120	374	480	M20	18	64



Dimensions of extension worm shafts

(Table9)

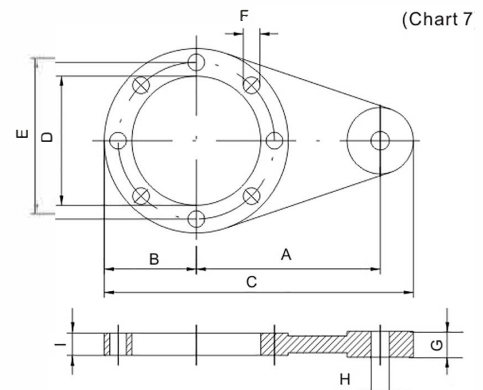
Type	B	d(h6)	T	b	t
30	45	9	20	3	10.2
40	53	11	23	4	12.5
50	64	14	30	5	16
63	75	19	40	6	21.5
75	90	24	50	8	27
90	108	24	50	8	27
110	135	28	60	8	31
130	155	30	80	8	33
150	210	35	80	10	38
185	240	40	80	12	43



Dimensions of torque arms

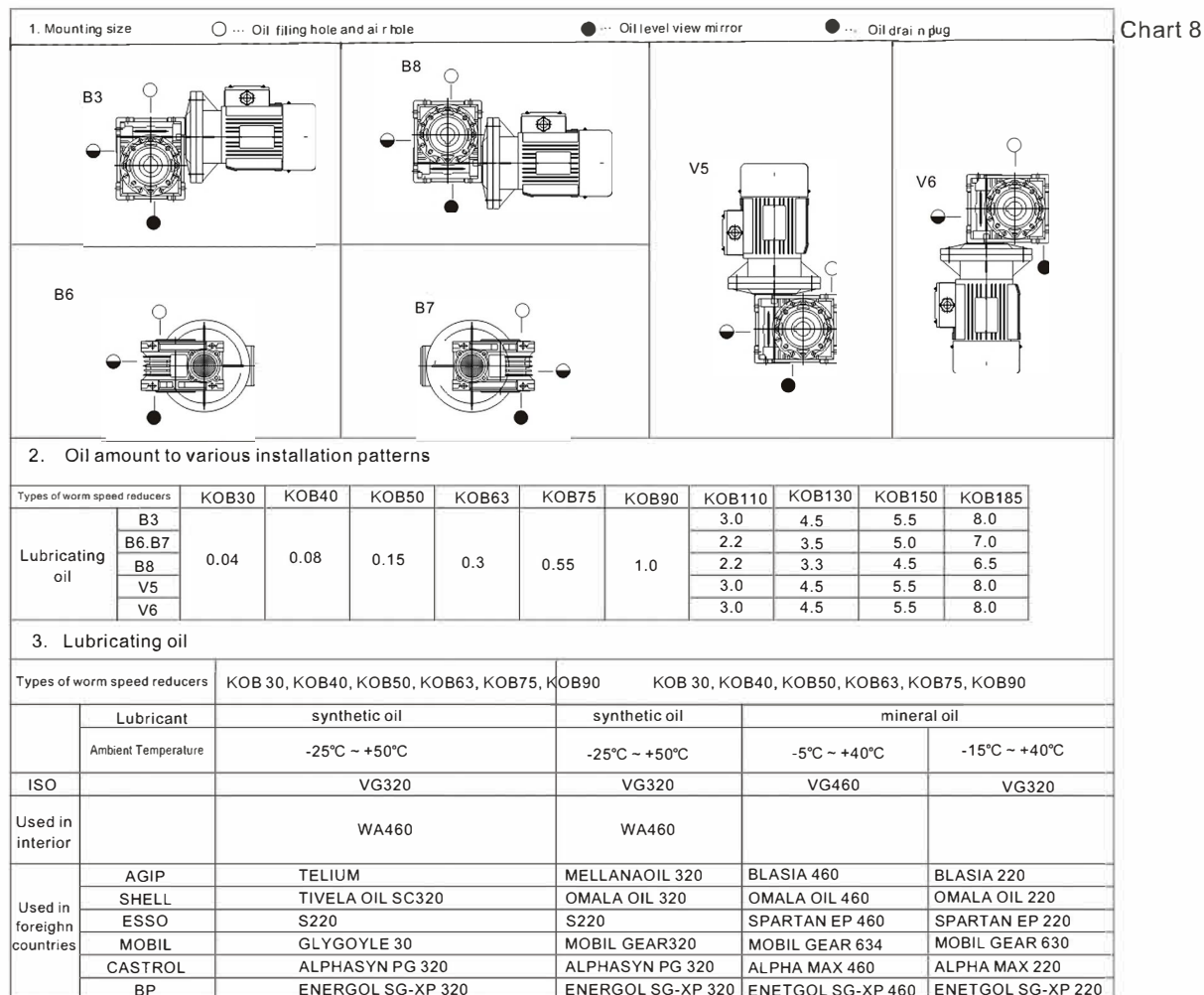
(Table10)

Type	A	B	C	D	E	F	G	H	I
30	85	38	138	54	65	7	14	8	4
40	100	44	162	60	75	7	14	10	4
50	100	50	168	70	85	9	14	10	4
63	150	55	223	80	95	9	14	10	6
75	200	70	300	95	115	9	25	20	6
90	200	80	310	110	130	11	25	20	6
110	250	100	385	130	165	11	30	25	6
130	250	125	410	180	215	14	30	25	6
150	250	125	410	180	215	14	30	25	6
185	300	150	495	230	265	18	30	25	6



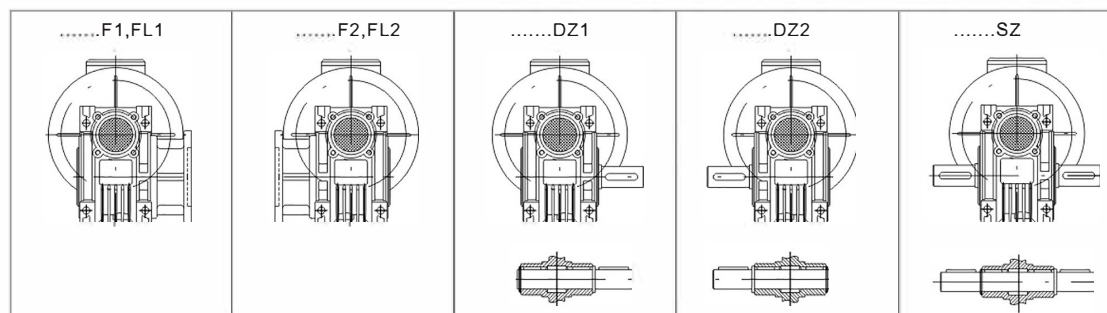
INSTALLATIONS

Installation type of reducer and the corresponding oil feeding amount and lubrication varieties



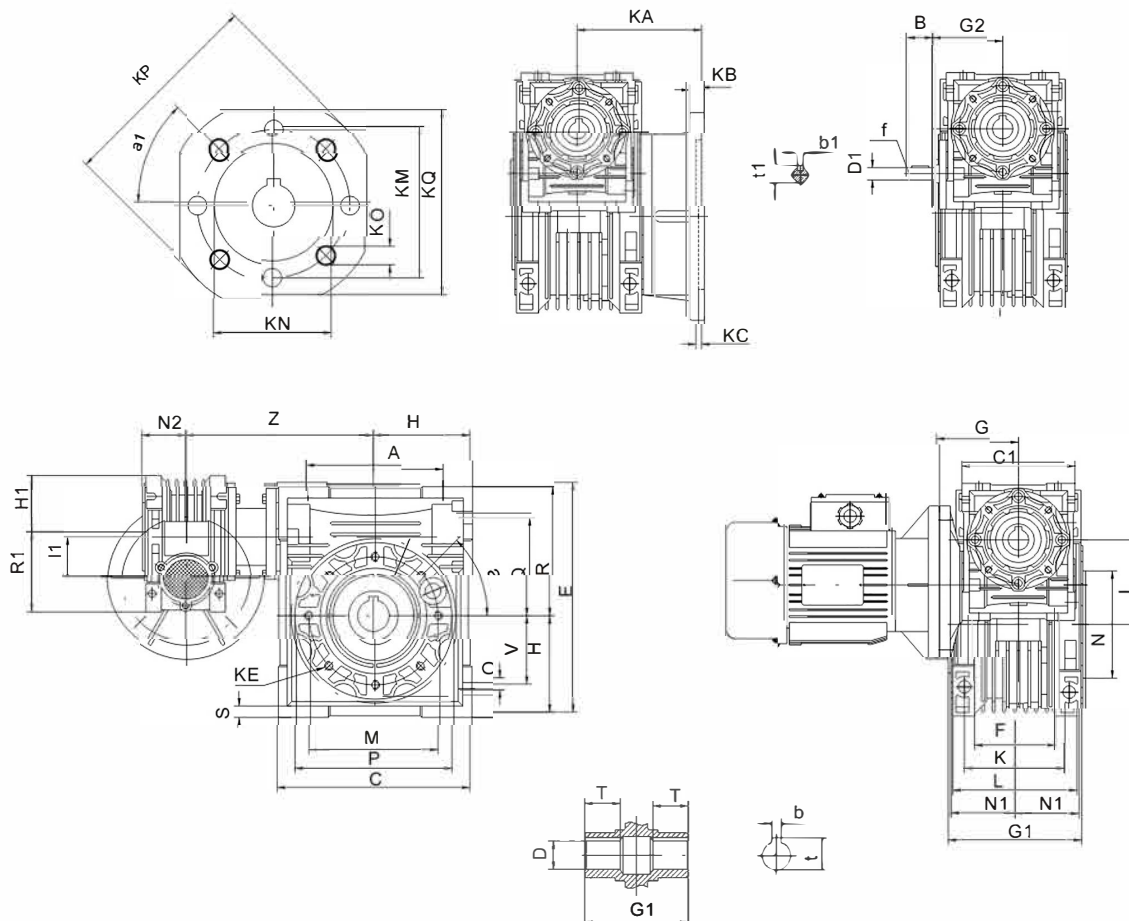
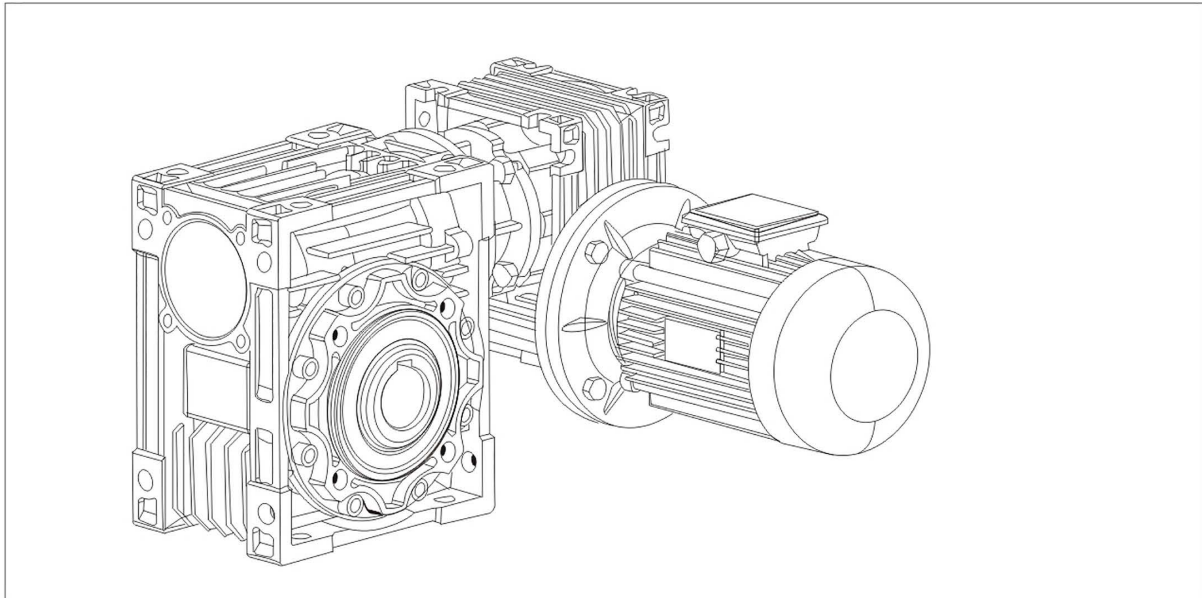
Installation pattern of output flange F, FL, output shaft DZ, SZ of speed reducers

Chart 9



Combination of KOB series worm reducer

KOB+KOB



Overall Mounting Dimensions

KOB/KOB

	030+040	030+050	030+063	040+075	040+090	050+110	063+130
A	70	80	100	120	140	170	200
B	20	20	20	23	23	30	40
C	100	120	144	172	206	252.5	292.5
C1	80	80	80	100	100	120	144
D H8	18	25	25	28	35	42	45
(D H8)	19	24	28	35	38	-	-
D1j6	9	9	9	11	11	14	19
E	121.5	145	174	205	238	295	335
F	43	49	67	72	74	-	-
G	55	55	55	70	70	80	95
G1	78	92	112	120	140	155	170
G2	51	51	51	60	60	74	90
H	50	60	72	86	103	127.5	147.5
H1	40	40	40	50	50	60	72
I	40	50	63	75	90	110	130
I1	30	30	30	40	40	50	63
L	71	85	103	112	130	144	155
M	75	85	95	115	130	165	215
N h8	60	70	80	95	110	130	180
N1	36.5	43.5	53	57	67	74	81
N2	29	29	29	36.5	36.5	43.5	53
O	6.5	8.5	8.5	11	13	14	16
P	87	100	110	140	160	200	250
Q	55	64	80	93	102	125	140
R	71.5	84	102	119	135	167.5	187.5
R1	57	57	57	71.5	71.5	84	102
S	6.5	7	8	10	11	14	15
T	26	30	40	40	45	50	60
V	35	40	50	60	70	85	100
Z	122	132	145	167.5	184.5	226	245
K	60	70	85	90	100	115	120
KE	M6x8 n.4	M8x10 n.8	M8x14 n.8	M6x14 n.8	M10x18 n.8	M10x18 n.8	M12x12n.8
a	45°	45°	45°	45°	45°	45°	45°
KA	67	90	82	111	111	139	151.5
KB	7	9	10	13	13	15	15
KC	4	5	6	6	6	6	6
a1	45°	45°	45°	45°	45°	45°	45°
KM	87	90	150	165	175	230	255
KN H8	60	70	115	130	152	170	180
KO	9 n.4	11 n.4	11 n.4	14 n.4	14 n.4	14 n.4	15 n.8
KP	110	125	180	200	210	280	320
KQ	95	110	142	170	200	260	290
KA	97	120	112	-	-	-	-
KB	7	9	10	-	-	-	-
KC	4	5	6	-	-	-	-
a1	45°	45°	45°	-	-	-	-
KM	87	90	150	-	-	-	-
KN H8	60	70	115	-	-	-	-
KO	9 n.4	11 n.4	11 n.4	-	-	-	-
KP	110	125	180	-	-	-	-
KQ	95	110	142	-	-	-	-
b	6	8	8	8	10	12	14
(b)	6	8	8	10	10	-	-
b1	3	3	3	4	4	5	6
f	-	-	-	-	-	M6	M6
t	20.8	28.3	28.3	31.3	38.3	45.3	48.8
(t)	21.8	27.3	31.3	38.3	41.3	-	-
t1	10.2	10.2	10.2	12.5	12.5	16	21.5
Kg	3.9	5	12	12	16	39.2	55

Technical Data

KOB/KOB

	i	n2	Kw1	M2 (Nm)	i1	i2
KOB30/40	300	4,7	0,08	73	10	30
	400	3,5	0,06	65	10	40
	500	2,8	0,04	61	20	25
	600	2,3	0,04	73	20	30
	750	1,9	0,04	73	25	30
	900	1,6	0,03	73	30	30
	1200	1,2	0,02	65	30	40
	1500	0,9	0,02	73	50	30
	1800	0,8	0,02	73	60	30
	2400	0,58	0,01	65	60	40
	3200	0,4	0,01	65	80	40
	4000	0,4	0,01	33	50	80
	5000	0,28	0,01	29	50	100
KOB30/50	300	4,7	0,15	145	10	30
	400	3,5	0,10	124	10	40
	500	2,8	0,09	120	10	50
	600	2,3	0,08	145	20	30
	750	1,9	0,07	145	25	30
	900	1,6	0,06	145	30	30
	1200	1,2	0,04	124	30	40
	1500	0,93	0,04	145	50	30
	1800	0,78	0,04	145	60	30
	2400	0,6	0,03	124	60	40
	3000	0,5	0,02	120	60	50
	4000	0,35	0,02	82	50	80
	4800	0,29	0,02	82	60	80
KOB30/63	300	4,7	0,24	230	7,5	40
	400	3,5	0,19	230	10	40
	500	2,8	0,15	216	10	50
	600	2,3	0,13	230	15	40
	750	1,9	0,11	216	15	50
	900	1,6	0,09	198	15	60
	1200	1,2	0,08	230	30	40
	1500	0,93	0,06	216	30	50
	1800	0,78	0,05	198	30	60
	2400	0,58	0,05	230	60	40
	3000	0,47	0,04	216	60	50
	4000	0,35	0,03	172	50	80
	5000	0,28	0,02	150	50	100
KOB40/75	300	4,7	0,36	390	10	30
	400	3,5	0,27	360	10	40
	500	2,8	0,21	320	10	50
	600	2,3	0,19	390	20	30
	750	1,9	0,16	390	25	30
	900	1,6	0,14	390	30	30
	1200	1,2	0,11	360	30	40
	1500	0,93	0,10	390	50	30
	1800	0,78	0,09	390	60	30
	2400	0,58	0,07	360	60	40
	3000	0,47	0,05	320	60	50
	4000	0,35	0,04	250	50	80
	5000	0,28	0,03	230	50	100

n1=1400

	i	n2	Kw1	M2 (Nm)	i1	i2
KOB40/90	300	4,7	0,56	610	7,5	40
	400	3,5	0,43	610	10	40
	500	2,8	0,34	560	10	50
	600	2,3	0,30	610	15	40
	750	1,9	0,23	560	15	50
	900	1,6	0,19	505	15	60
	1200	1,2	0,17	610	30	40
	1500	0,93	0,14	560	30	50
	1800	0,78	0,11	505	30	60
	2400	0,58	0,11	610	60	40
	3000	0,47	0,08	560	60	50
	4000	0,35	0,08	460	50	80
	5000	0,28	0,06	410	50	100
KOB50/110	300	4,7	0,95	1100	10	30
	400	3,5	0,69	1030	10	40
	500	2,8	0,56	1000	10	50
	600	2,3	0,48	1030	15	40
	750	1,9	0,43	1100	25	30
	900	1,6	0,38	1100	30	30
	1200	1,2	0,27	1030	30	40
	1500	0,93	0,28	1100	50	30
	1800	0,78	0,23	1100	60	30
	2400	0,58	0,17	1030	60	40
	3000	0,47	0,14	1000	60	50
	4000	0,35	0,12	780	50	80
	5000	0,28	0,09	710	50	100
KOB63/130	300	4,7	1,48	1760	10	30
	400	3,5	1,09	1650	10	40
	500	2,8	0,86	1550	10	50
	600	2,3	0,76	1650	15	40
	750	1,9	0,66	1760	25	30
	900	1,6	0,58	1760	30	30
	1200	1,2	0,43	1650	30	40
	1500	0,93	0,39	1760	50	30
	1800	0,78	0,35	1760	60	30
	2400	0,58	0,25	1650	60	40
	3000	0,47	0,20	1550	60	50
	4000	0,35	0,15	1220	50	80
	5000	0,28	0,11	1100	50	100

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