

智能工厂 | 运营中心
SMART FACTORY | OPERATION CENTER

杭州速博雷尔传动机械有限公司
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齿轮工厂
HELICAL GEARBOX FACTORY

浙江速博机械科技有限公司
ZHEJIANG SUPROR MACHINERY TECHNOLOGY CO., LTD
浙江省湖州市安吉县天子湖现代工业园南
BeiHu West Road Tianzi Lake Industrial Zone, Anji County Huzhou, Zhejiang

我们只做减速机
We Only Focus On the Reducer Field

 **SUPROR** 速博雷尔

行星·齿轮·蜗轮蜗杆·工业齿轮箱
Planetary · Helical · Worm · HB Industrial Gearbox

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关注公众号
Official Accounts



关注官网
Official Website



SRV 蜗轮蜗杆减速机系列 SRV WORM GEARBOX SERIES

杭州速博雷尔传动机械有限公司
Hangzhou Supror Transmission
Machinery Co., Ltd

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产品是企业发展过程中的研究成果和岁月积累，
更离不开科技进步；而企业通过产品来表达对社会做
出的贡献。

Products are the research results and years of
accumulation in the process of enterprise development,
but also inseparable from scientific and technological progress;
Enterprises express their contributions to
society through products.

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— 公司概况 COMPANY OVERVIEW



创立于
Founded in

2003 年 Year



制造中心
Manufacturing Centers

2 座 Centers



员工
Employees

380 人 People



全球服务国家
Global Sales Network

42 个 Countries



工程师
Service Engineers

23 人 People



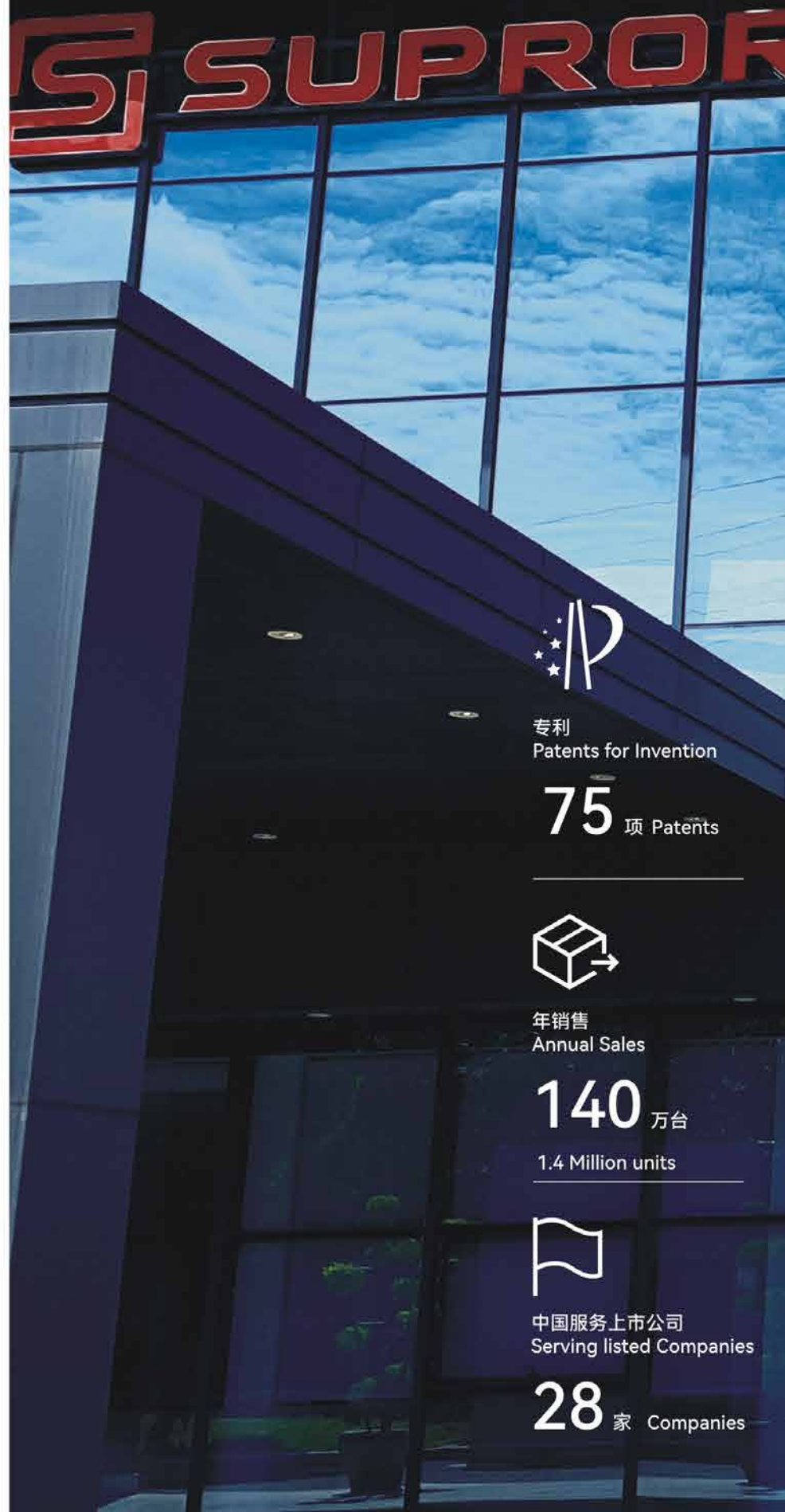
固定资产
Fixed Assets

6.2 亿 Million



中国首家RV蜗轮蜗杆智能制造工厂
The First RV Worm Gearbox Intelligent Factory In China

NO.1



专利
Patents for Invention

75 项 Patents



年销售
Annual Sales

140 万台

1.4 Million units



中国服务上市公司
Serving listed Companies

28 家 Companies

深耕20年，速博雷尔已从专业制造跨入智能制造时代。速博雷尔是一家具有自主知识产权和品牌，并集研发、生产各类减速传动设备为一体的制造商和传动方案提供商。

公司是国家级高新技术企业，成立了省级研究院和企业研发中心，荣获了省专精特新、市绿色工厂和未来工厂等荣誉称号。

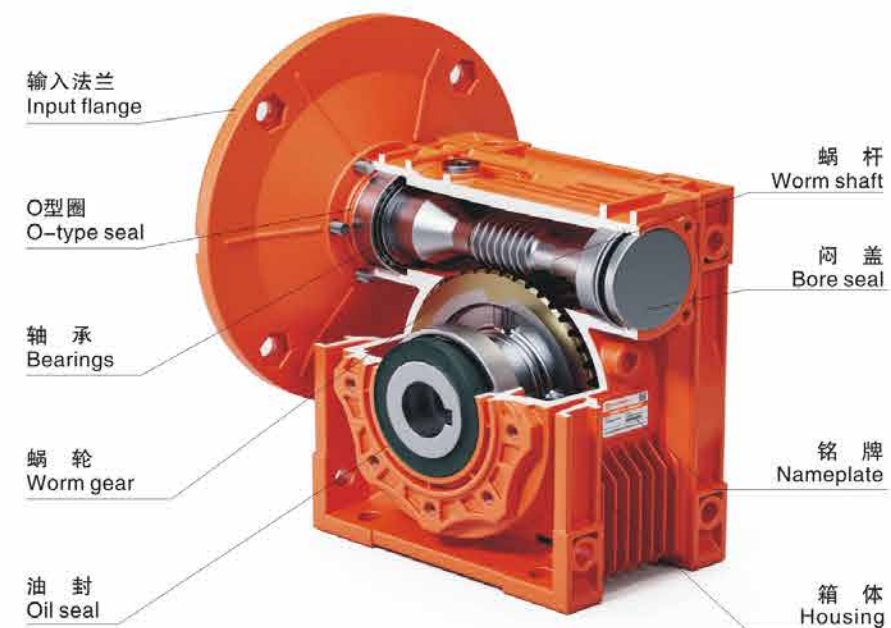
速博雷尔拥有两大生产基地，他们是“杭州速博雷尔传动机械有限公司”和“浙江速博机械科技有限公司”。并分别坐落于杭州空港开发区，毗邻杭州国际机场；以及湖州安吉天子湖工业园区。公司生产占地总面积近8万平方米，注册资本1.1亿元人民币。目前各类减速机年生产能力已达140万台。公司2021年建成了国内第一家RV蜗轮蜗杆智能工厂，该产品的产能位居中国第一，世界第二。

After 20 years of deep plough, SUPROR has entered into the era of intelligent manufacturing from professional manufacturing. SUPROR is a manufacturer and driving solution provider with independent intellectual property rights and brand, Integrating Research, Development and producing various types of speed reduction transmission equipment as a whole.

The company is national level high-tech enterprise, which set up transmission-research institute, owning honors of province level SRDI-“Specialized, Refinement, Differential, Innovation”, Municipality level green factory and future factory and so on. The company has many high quality customers, such as listed companies.

SUPROR has two production bases, they are “ Hangzhou SUPROR Transmission Machinery Co.,ltd and Zhejiang SUPROR Machinery Technology Co.,ltd”. They are located in Hangzhou airport development zone, being adjacent to Hangzhou International Airport, and Tianzi Lake Industrial zone in Anji, Huzhou. The total production area of the company covers nearly 80,000 square meters, with a registered capital of RMB110 million. At present, annual production capacity of various reducers has reached 1.4 million units. In 2021, the company built the first RV worm gearbox smart factory in China, making the production capacity of this product ranks first in China and second in the world.

—— 结构图 Structural Picture



SRV 蜗轮减速机
SRV Worm Gear Reducer

—— 型号标记 Type Mark

SRV L E 063 - F1 - A1 - 50 - B3

铝合金箱体 硬齿面蜗杆
Aluminum alloy housing,
hardened worm shaft

轴输入 S=双输入轴, 无标志=单输入轴
Shaft input:
S=double input shaft
No mark=single input shaft

双级组合
Double stage gear reducer

中心距
Center distance

F1配输出短法兰, F2配输出长法兰, 无标志=不带输出法兰

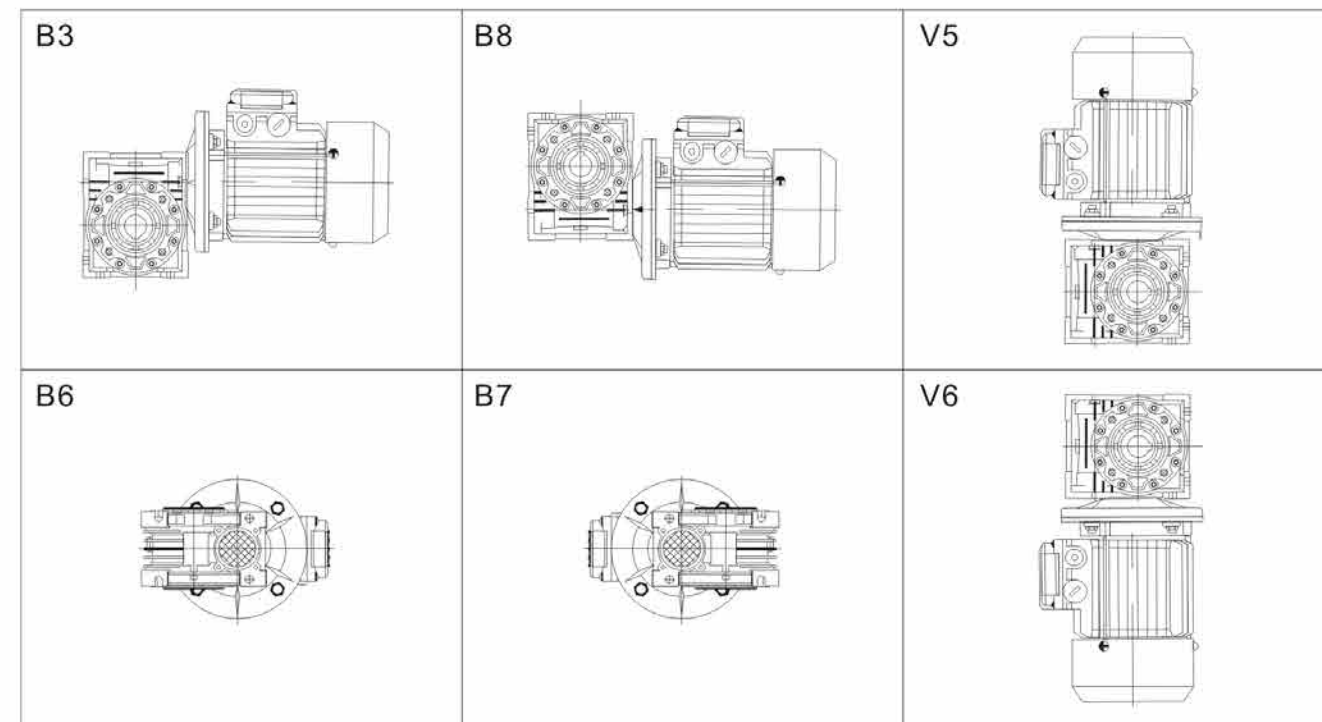
F1 equipped with short output flange,
F2 equipped with long output flange,
No mark=without output flange

安装型式
Installation type

减速比
Ratio(i)

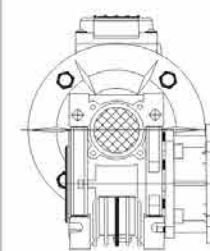
A1配单向输出轴, 无标志=不配输出轴
A1 equipped with single output shaft,
No mark=without output shaft

—— 安装方式 Mounting Positions

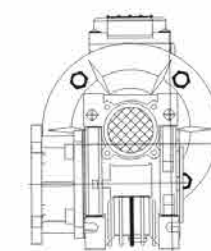


输出法兰(F)配置
Output flange(F)

F1, 左 Left

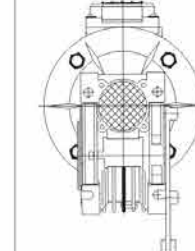


F1, 右 Right

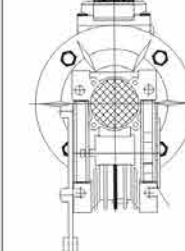


扭力臂(B)配置
Torque arm(B)

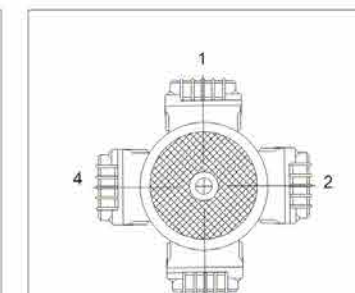
B, 左 Left



B, 右 Right

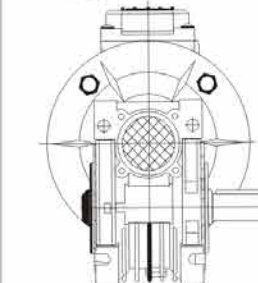


电机接线盒方位
Position of motor terminal box

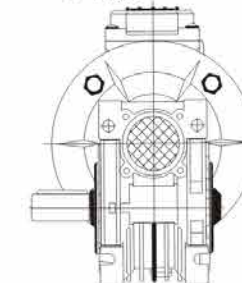


蜗轮输出轴(A1, A2)配置
Output shaft of reducer (A1, A2)

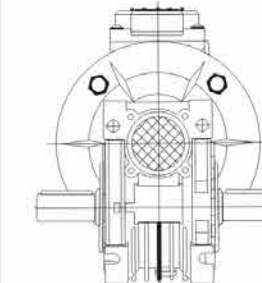
A1, 左 Left



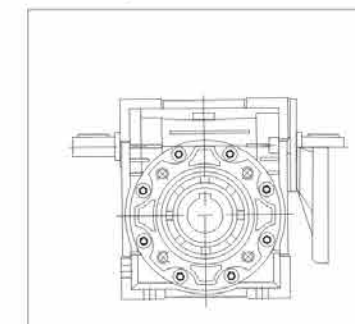
A1, 右 Right



A2



蜗杆双输入
Double input shaft of reducer



性能参数 (n₁=1400r/min)
Performance parameter (n₁=1400r/min)

KW	TYPE	i	N ₂ (r/min)	M ₂ (N.M)
0.06KW	SRV025	7.5	186	2.6
	SRV030			
	SRV025	10	140	3.4
	SRV030			
	SRV025	15	94	4.9
	SRV030			4.8
	SRV025	20	70	6.1
	SRV030			5.5
	SRV030	25	56	7.2
	SRV025	30	47	8.2
	SRV030			
	SRV025	40	35	10

0.09KW	SRV025	7.5	186	3.9
	SRV030			4.0
	SRV025	10	140	5.1
	SRV030			
	SRV025	15	94	7.3
	SRV030			7.2
	SRV025	20	70	9.2
	SRV030			8.3
	SRV030	25	56	10.7
	SRV025	30	47	12
	SRV030			12.3
	SRV025	40	35	15
	SRV030			12.8
	SRV030	50	28	17.4
	SRV040			18.6
	SRV030	60	24	19.2
SRV040	19.0			
SRV040	80	18	25.2	
SRV040	100	14	29.3	

0.12KW	SRV025	10	140	5.1
	SRV030			
	SRV025	15	94	7.3
	SRV030			7.2
	SRV025	20	70	9.2
	SRV030			8.3
	SRV030	25	56	10.7
	SRV025			12
	SRV030	30	47	12.3
	SRV025			15
	SRV030	40	35	12.8
	SRV040			17.4

0.18KW	SRV040	18.6		
	SRV030	60	24	19.2
	SRV040			19.0
	SRV040	80	18	25.2
	SRV040			29.3
	SRV030	7.5	186	5.3
	SRV040			5.3
	SRV030	10	140	6.8
	SRV040			8.9
	SRV030	15	94	9.6
	SRV040			9.9
	SRV030	20	70	11.0

0.25KW	SRV040	13.0		
	SRV030	25	56	14.3
	SRV040			15.1

0.12KW	SRV030	30	47	16.4
	SRV040			16.6
	SRV030	40	35	17.0
	SRV040			21.9
	SRV050			22.7
	SRV030	50	28	23.2
	SRV040			24.7
	SRV050			26.0
	SRV040	60	24	25.3
	SRV050			26.2
	SRV040	80	18	33.6
	SRV050			34.7

0.18KW	SRV030	7.5	186	7.9
	SRV040			7.9
	SRV030	10	140	10.2
	SRV040			10.3
	SRV030	15	94	14.4
	SRV040			14.8
	SRV030	20	70	16.5
	SRV040			19.5
	SRV030	25	56	21.5
	SRV040			22.7
	SRV030	30	47	24.6
	SRV040			24.9
	SRV040	40	35	32.8
	SRV050			34.0
	SRV040	50	28	37.1
	SRV050			39.0
SRV040	60	24	37.9	
SRV050			39.2	
SRV050	80	18	52.1	
SRV050	100	14	59.3	

0.25KW	SRV040	7.5	186	11.0
	SRV050			11.2
	SRV040	10	140	14.3
	SRV050			14.5
	SRV040	15	94	20.6
	SRV050			20.7
	SRV040	20	70	27.0
	SRV050			27.5
	SRV040	25	56	31.5
	SRV050			32.8
	SRV040	30	47	34.6
	SRV050			36.4
	SRV040	40	35	45.6
	SRV050			47.3
	SRV050	50	28	54.1
	SRV050	60	24	54.5
SRV050	80	18	72.4	
SRV063			76.7	
SRV063	100	14	82.8	

0.37KW	SRV050	11.2		
	SRV040	10	140	14.3
	SRV050			14.5
	SRV040	15	94	20.6
	SRV050			20.7
	SRV040	20	70	27.0
	SRV050			27.5
	SRV040	25	56	31.5
	SRV050			32.8
	SRV040	30	47	34.6
	SRV050			36.4
	SRV040	40	35	45.6

0.55KW	SRV050	47.3		
	SRV050	50	28	54.1
	SRV050			54.5
	SRV050	80	18	72.4
	SRV063			76.7
	SRV063	100	14	82.8

0.37KW	SRV040	7.5	186	16.3
	SRV050			16.6
	SRV040	10	140	21.2
	SRV050			21.5
	SRV040	15	94	30.5
	SRV050			30.6
	SRV040	20	70	40.0
	SRV050			40.7
	SRV040	25	56	46.6
	SRV050			48.7
	SRV040	30	47	51.2
	SRV050			53.8

0.55KW	SRV050	7.5	186	24.3
				24.6
	SRV050	10	140	31.5
				32.0
	SRV050	15	94	45.3
	SRV063			45.5
	SRV050	20	70	60.5
	SRV063			61.6
	SRV050	25	56	72.3
	SRV063			73.2
	SRV050	30	47	80.0
	SRV063			83.3
	SRV050	40	35	104.0
	SRV063			107.5
	SRV075			115.7
	SRV063	50	28	123.9
SRV075	144.3			
SRV063	60	24	128.6	
SRV075			156.5	
SRV075	80	18	215.8	
SRV075	100	14	235.0	

0.75KW	SRV050	7.5	186	33.6
	SRV063			33.8
	SRV050	10	140	43.6
	SRV063			44.5
	SRV050	15	94	62.0
	SRV063			63.7
	SRV050	20	70	82.4
	SRV063			84.0
	SRV063	25	56	99.8
	SRV063	30	47	113.6
	SRV075			124.4
	SRV063	40	35	146.6
SRV075	157.8			

0.75KW	SRV075	115.7		
	SRV063	60	24	123.9
	SRV075			144.3
	SRV063	80	18	128.6
	SRV075			156.5
	SRV075	100	14	215.8
	SRV075			235.0
	SRV050	7.5	186	33.6
	SRV063			33.8
	SRV050	10	140	43.6
	SRV063			44.5
	SRV050	15	94	62.0

0.75KW	SRV063	63.7		
	SRV050	20	70	82.4
	SRV063			84.0
	SRV063	25	56	99.8
	SRV075			113.6
	SRV075	30	47	124.4
	SRV063			146.6
	SRV075	40	35	157.8

0.75KW	SRV075	50	28	196.8
	SRV090			186.1
	SRV075	60	24	213.4
	SRV090			211.9
	SRV090	80	18	261.1
	SRV090			292.7
	SRV063	7.5	186	49.6
	SRV075			51.4
	SRV063	10	140	65.3
	SRV075			67.8
	SRV063	15	94	93.5
	SRV075			98.6

1.1KW	SRV063	20	70	123.2
	SRV075			127.7
	SRV063	25	56	146.4
	SRV075			159.2
	SRV063	30	47	166.7
	SRV075			182.5
	SRV075	40	35	231.4
	SRV090			229.7
	SRV090	50	28	272.9
	SRV090			310.8
	SRV110	60	24	319.1
	SRV110			403.8

1.5KW	SRV110	80	18	471.2
	SRV110			471.2
	SRV063	7.5	186	67.6
	SRV075			70.1
	SRV063	10	140	89.1
	SRV075			92.5
	SRV063	15	94	127.5
	SRV075			134.5
	SRV063	20	70	167.9
	SRV075			174.1
	SRV075	25	56	217.1
	SRV090			211.0

2.2KW	SRV090	7.5	186	101.9
	SRV110			101.8
	SRV075	10	140	135.7
	SRV090			134.8
	SRV110			133.7
	SRV075			197.3
	SRV090	15	94	196.7
	SRV110			192.7
	SRV090	20	70	254.9
	SRV110			254.5
	SRV090	25	56	309.5
	SRV110			319.2
SRV090	30	47	362.4	
SRV110			354.5	

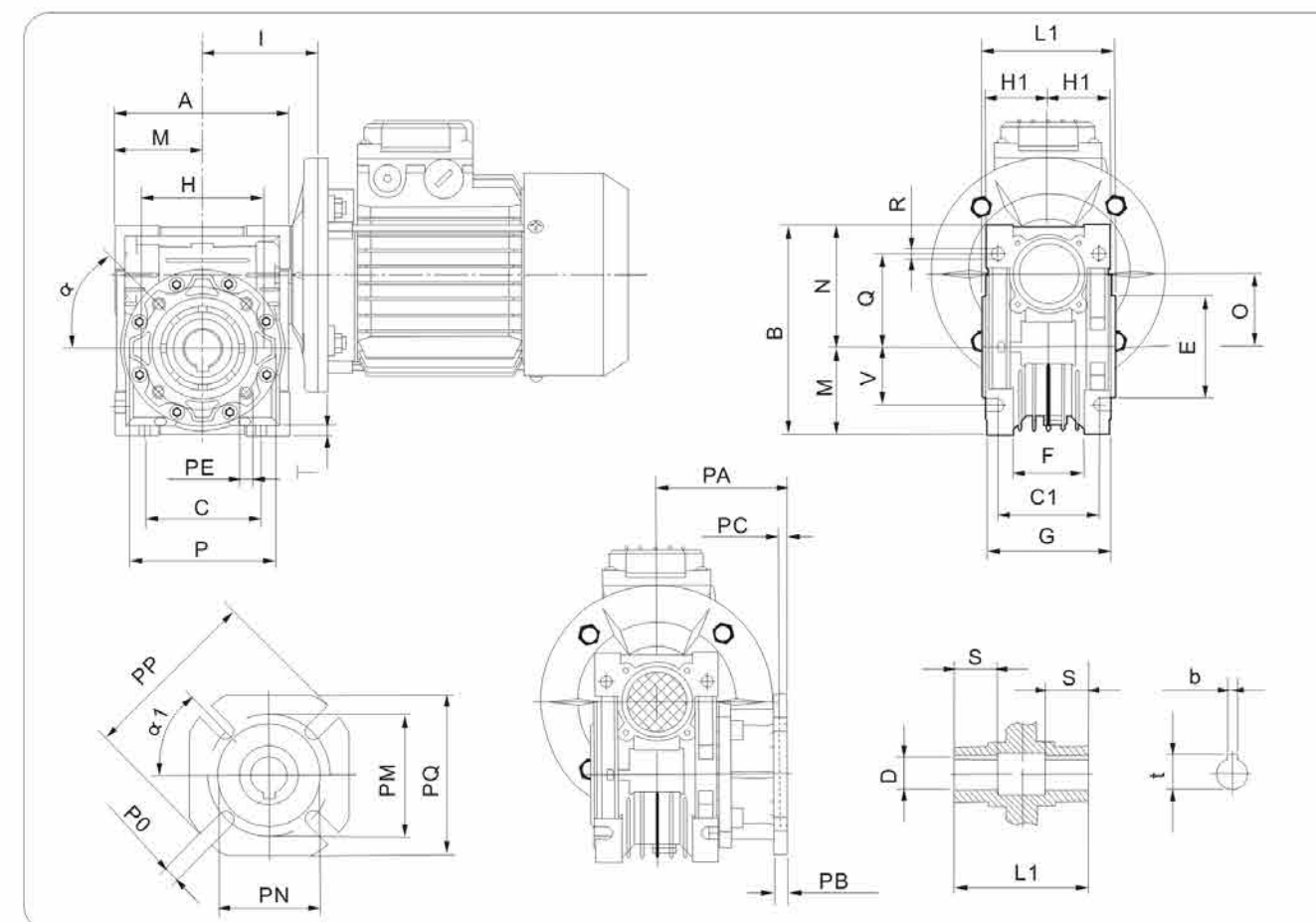
性能参数 ($n_1=1400\text{r/min}$)

Performance parameter ($n_1=1400\text{r/min}$)

KW	TYPE	i	$n_2(\text{r/min})$	$M_2(\text{N.M})$
2.2KW	SRV110	40	35	465.8
	SRV110			576.2
	SRV130	50	28	568.7
	SRV150			570
	SRV110	60	24	638.1
	SRV130			655.6
	SRV150			657
	SRV130	80	18	783.1
3.0KW	SRV150			816
	SRV130	100	14	985.9
	SRV150			960
	SRV075	7.5	186	140.1
	SRV090			139.0
	SRV110			138.8
	SRV075	10	140	185.0
	SRV090			183.8
	SRV110			182.3
	SRV075	15	94	269.0
	SRV090			268.2
	SRV110			262.7
	SRV090	20	70	347.7
	SRV110			347.0
	SRV090	25	56	422.0
	SRV110	25	56	435.3
	SRV090	30	47	494.1
	SRV110			483.3
	SRV110	40	35	635.1
	SRV130			637.6
	SRV110	50	28	785.8
	SRV130			775.5
	SRV150			777
4.0KW	SRV130	60	24	894.0
	SRV150			896
	SRV150	80	18	1113
	SRV150	100	14	1310
	SRV075	7.5	186	186.8
	SRV090			185.3
	SRV110			185.0
	SRV130			187.1
	SRV090	10	140	245.1
	SRV110			243.1
	SRV130			243.1
	SRV090	15	94	357.7
	SRV110			350.3
	SRV130			354.3
	SRV090	20	70	463.5
	SRV110			462.7
	SRV130			469.3
	SRV110	25	56	580.4
	SRV130			576.4
	SRV110	30	47	644.5
	SRV130			652.6
	SRV130	40	35	850.1
	SRV130	50	28	1034.0
	SRV150			1036

KW	TYPE	i	$n_2(\text{r/min})$	$M_2(\text{N.M})$
4.0KW	SRV130	60	24	1192.0
	SRV150			1195
	SRV150	80	17.5	1484
5.5KW	SRV110	7.5	186	254.4
	SRV130			257.2
	SRV110	10	140	334.3
	SRV130			334.3
	SRV110	15	94	481.6
	SRV130			487.2
	SRV110	20	70	636.2
	SRV130			645.2
	SRV150			645
	SRV130	25	56	792.5
	SRV150			788
	SRV130	30	47	897.3
7.5KW	SRV150			934
	SRV130	40	35	1168.9
	SRV150			1171
	SRV150	50	28	1426
	SRV150	60	24	1643
	SRV110	7.5	186	346.9
	SRV130			350.8
	SRV110	10	140	455.8
	SRV130			455.8
	SRV130	15	94	664.8
	SRV150	20	70	879.9
11KW	SRV150			880
	SRV130	25	56	1080.7
	SRV150			1074
	SRV150	30	47	1274
	SRV150	40	35	1596
15KW	SRV150	7.5	186	512
	SRV150	10	140	675
	SRV150	15	94	990
	SRV150	20	70	1291
	SRV150	25	56	1576

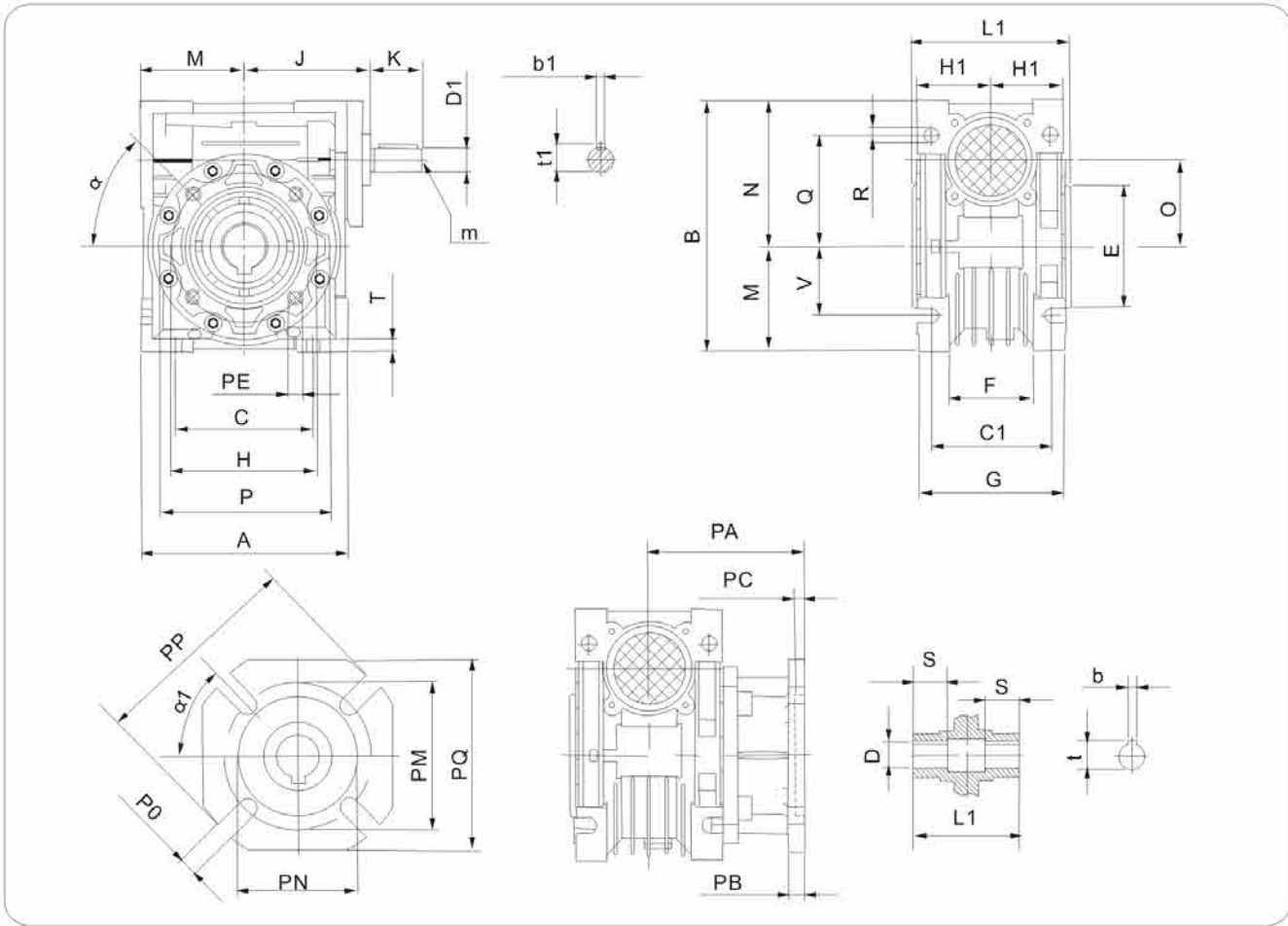
尺寸 Dimensions



SRV	A	B	C	C1	D(F7)	E(H8)	F	G	H	H1	I	L1	M	N	O	P	Q	R
025	71	83	45	34	11	45	22	42	55	22.5	45	50	35	48	25	65	35.5	6
030	81	97	54	44	14	55	32	56	65	29	55	63	40	57	30	75	44	6.5
040	100	121.5	70	60	18(19)	60	43	71	75	37	70	78	50	71.5	40	87	55.25	6.5
050	121	144	80	70	25(24)	70	49	85	85	43	80	92	60	84	50	100	64	8.5
063	146	174	100	85	25(28)	80	67	103	95	53	95	112	72	102	63	110	80	8.5
075	174	205	120	90	28(35)	95	72	112	115	57.5	113	120	86	119	75	140	93	11
090	208	238	140	100	35(38)	110	74	130	130	67	130	140	103	135	90	160	102	13
110	252.5	295	170	115	42	130	-	144	165	74	160	155	127.5	167.5	110	200	125	14
130	292.5	335	200	120	45	180	-	155	215	81	180	170	147.5	187.5	130	250	140	16
150	340	400	240	145	50	180	-	185	215	96	210	200	170	230	150	250	180	18

SRV	S	T	V	PA	PB	PC	PE	PM	PN(H8)	PO	PP	PQ	b	t	α	α_1	Kg
025	17	5	22	45	6	2.5	$\phi 7(n=3)$	55	40	6.5(n=4)	75	70	4	12.8	10°	45°	0.7
030	21	5.5	27	54.5	6	4	M6x11(n=4)	68	50	6.5(n=4)	80	70	5	16.3	0°	45°	1.2
040	26	6.5	35.5	67(97)	7.5	4	M6x8(n=4)	75	60	9(n=4)	110	95	6(6)	20.8(21.8)	45°	45°	2.3
050	30	7	40	90(120)	9	5	M8x10(n=4)	85	70	11(n=4)	125	110	8(8)	28.3(27.3)	45°	45°	3.5
063	36	8	50	82(112)	10	6	M8x14(n=8)	150	115	11(n=4)	180	142	8(8)	28.3(31.3)	45°	45°	5.5
075	40	10	60	111	13	6	M8x14(n=8)	165	130	14(n=4)	200	170	8(10)	31.3(38.3)	45°	45°	8.1
090	45	11	70	111	13	6	M10x18(n=8)	175	152	14(n=4)	210	200	10(10)	38.3(41.3)	45°	45°	11.8
110	50	14	85	131	15	6	M10x18(n=8)	230	170	14(n=8)	280	260	12	45.3	45°	45°	35.5
130	60	15	100	140	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	14	48.8	45°	22.5°	48
150	70	18	120	155	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	14	53.8	45°	22.5°	84

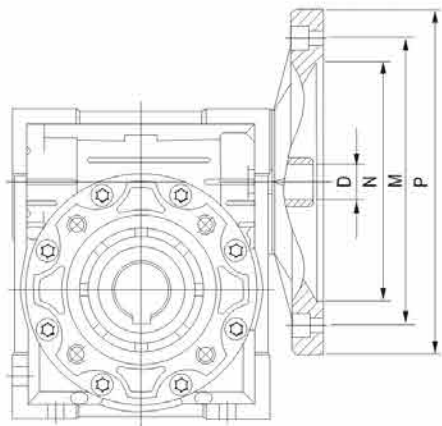
— SRVL 尺寸
SRVL dimensions



SRVL	A	B	C	C1	D (F7)	D1(g6)	E(h8)	F	G	H	H1	J	K	L1	M	N	O	P	Q	R
030	81	97	54	44	14	9	55	32	56	65	29	51	20	63	40	57	30	75	44	6.5
040	100	121.5	70	60	18(19)	11	60	43	71	75	37	65	24	78	50	71.5	40	87	55.25	6.5
050	121	144	80	70	25(24)	14	70	49	85	85	43	75	30	92	60	84	50	100	64	8.5
063	146	174	100	85	25(28)	19	80	67	103	95	53	90	40	112	72	102	63	110	80	8.5
075	174	205	120	90	28(35)	24	95	72	112	115	57.5	105	50	120	86	119	75	140	93	11
090	208	238	140	100	35(38)	24	110	74	130	130	67	125	50	140	103	135	90	160	102	13
110	252.5	295	170	115	42	28	130	-	144	165	74	139.5	60	155	127.5	167.5	110	200	125	14
130	292.5	335	200	120	45	30	180	-	155	215	81	162	80	170	147.5	187.5	130	250	140	16
150	340	400	240	145	50	35	180	-	185	215	96	195	80	200	170	230	150	250	180	18

SRVL	S	T	V	PA	PB	PC	PE	PM	PN(H8)	PO	PP	PQ	b	b1	l	l1	m	n	u	u1	Kg
030	21	5.5	27	54.5	6	4	M6x11(n=4)	68	50	6.5(n=4)	80	70	5	3	16.3	10.2	-	0°	45°	1.2	
040	26	6.5	35.5	67(97)	7.5	4	M6x8(n=4)	75	60	9(n=4)	110	95	6(6)	4	20.8(21.8)	12.5	-	45°	45°	2.3	
050	30	7	40	90(120)	9	5	M8x10(n=4)	85	70	11(n=4)	125	110	8(8)	5	28.3(27.3)	16.0	M6	45°	45°	3.5	
063	36	8	50	82(112)	10	6	M8x14(n=8)	150	115	11(n=4)	180	142	8(8)	6	28.3(31.3)	21.5	M6	45°	45°	5.4	
075	40	10	60	111	13	6	M8x14(n=8)	165	130	14(n=4)	200	170	8(10)	8	31.3(38.3)	27.0	M8	45°	45°	7.9	
090	45	11	70	111	13	6	M10x18(n=8)	175	152	14(n=4)	210	200	10(10)	8	38.3(41.3)	27.0	M8	45°	45°	11.6	
110	50	14	85	131	15	6	M10x18(n=8)	230	170	14(n=8)	280	260	12	8	45.3	31.0	M10	45°	45°	35	
130	60	15	100	140	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	14	8	48.8	33.0	M10	45°	22.5°	46.5	
150	70	18	120	155	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	14	10	53.8	38	M12	45°	22.5°	84	

— 减速机的电机配合接口
Motor connection for reducer

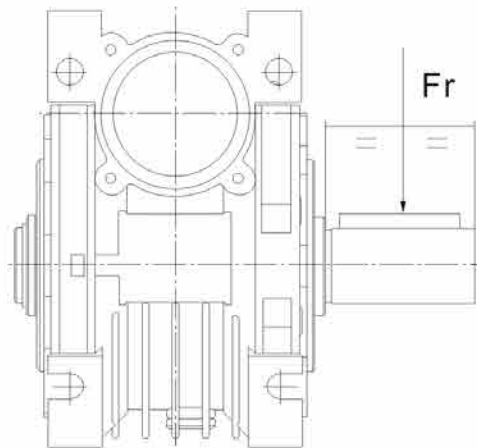


	PAME IEC	N		M		P	
		B5	B14	B5	B14	B5	B14
SRV025	56B14	-	50	-	65	-	80
SRV030	56B5/B14	80	50	100	65	120	80
	63B5/B14	95	60	115	75	140	90
SRV040	56B5	80	-	100	-	120	-
	63B5/B14	95	60	115	75	140	90
	71B5/B14	110	70	130	85	160	105
SRV050	63B5	95	-	115	-	140	-
	71B5/B14	110	70	130	85	160	105
	80B5/B14	130	80	165	100	200	120
SRV063	71B5/B14	110	70	130	85	160	105
	80B5/B14	130	80	165	100	200	120
	90B5/B14	130	95	165	115	200	140
SRV075	80B5/B14	130	80	165	100	200	120
	90B5/B14	130	95	165	115	200	140
	100B5/B14	180	110	215	130	250	160
SRV090	112B5/B14	180	110	215	130	250	160
	80B5/B14	130	80	165	100	200	120
	90B5/B14	130	95	165	115	200	140
SRV110	100B5/B14	180	110	215	130	250	160
	112B5/B14	180	110	215	130	250	160
	90B5	130	-	165	-	200	-
SRV130	100B5	180	-	215	-	250	-
	112B5	180	-	215	-	250	-
	132B5	230	-	265	-	300	-
SRV150	90B5	130	-	165	-	200	-
	100B5	180	-	215	-	250	-
	112B5	180	-	215	-	250	-
	132B5	230	-	265	-	300	-
	160B5	250	-	300	-	350	-

7.5	10	15	20	25	30	40	50	60	80	100
D										
9	9	9	9	-	9	9	9	9	-	-
9	9	9	9	9	9	9	9	9	9	-
11	11	11	11	11	11	11	11	-	-	-
-	-	-	-	-	-	-	9	9	9	9
11	11	11	11	11	11	11	11	11	11	11
14	14	14	14	14	14	14	-	-	-	-
-	-	-	-	-	-	11	11	11	11	11
14	14	14	14	14	14	14	14	14	14	-
19	19	19	19	19	19	19	-	-	-	-
-	-	-	-	-	-	14	14	14	14	14
19	19	19	19	19	19	19	19	19	19	19
24	24	24	24	24	24	-	-	-	-	-
-	-	-	-	-	-	19	19	19	19	19
24	24	24	24	24	24	24	-	-	-	-
28	28	28	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	19	19	19	19	19
-	-	-	-	24	24	24	24	-	-	-
28	28	28	28	28	28	-	-	-	-	-
28	28	28	28	-	-	-	-	-	-	-
-	-	-	-	-	-	-	24	24	24	24
28	28	28	28	28	28	28	28	-	-	-
38	38	38	38	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	24	24
-	-	-	-	-	-	28	28	28	28	28
28	28	28	28	28	28	28	28	28	-	-
38	38	38	38	38	38	-	-	-	-	-
-	-	-	-	-	-	-	28	28	28	28
-	-	-	38	38	38	38	38	-	-	-
42	42	42	42	42	-	-	-	-	-	-

—— 减速机出力轴的许可径向加载力 (N)

Allowed radial loading force on output shaft of reducer (N)



i	n_2	SRV025	SRV030	SRV040	SRV050	SRV063	SRV075	SRV090	SRV110	SRV130	SRV150
7.5	186	500	691	1325	1829	2378	2799	3098	3908	5112	6960
10	140	550	758	1454	2007	2609	3072	3400	4288	5610	7660
15	94	630	868	1665	2298	2988	3518	3893	4910	6424	8770
20	70	690	954	1829	2525	3283	3865	4277	5395	7057	9650
25	56	—	1033	1981	2735	3556	4187	4633	5844	7645	10400
30	47	790	1088	2087	2881	3745	4410	4880	6155	8052	11050
40	35	870	1204	2309	3188	4145	4880	5401	6812	8912	12160
50	28	940	1296	2485	3431	4461	5252	5812	7331	9590	13100
60	24	1000	1381	2649	3658	4756	5599	6196	7815	10224	13920
80	18	—	1516	2907	4014	5218	6144	6799	8576	11219	15320
100	14	—	—	3142	4338	5639	6639	7348	9268	12124	16500

表中的数值为作用于出力轴中点的许可加载力。

当减速机为双出轴时，折算到轴端的径向合力不能超过表中规定的数值。

当径向力和轴向力同时施加时，最大许可的轴向推力为径向力的1/5。

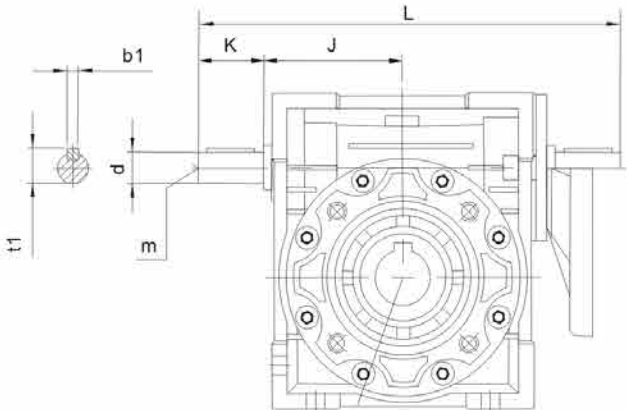
Above table is the allowed loading force on the midpoint of output shaft.

When the reducer is with double output shafts, the radial power resultant at the edge of shaft should not exceed the specify data as the above table.

The max allowed axoal thrust is 1/5 of radial force while the radial force and axial force effected together.

蜗杆双输入(S)尺寸

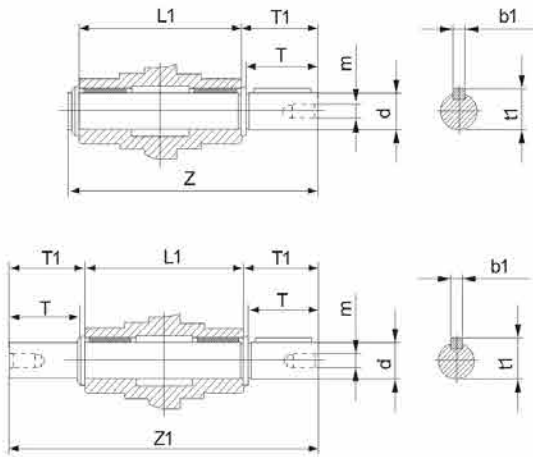
Double input worm shaft (S) dimensions



	J	d(j6)	K	L	m	b1	t1
030	45	9	20	136	-	3	10.2
040	53	11	23	165	-	4	12.5
050	63	14	30	198	M6	5	16
063	75	19	40	245	M6	6	21.5
075	90	24	50	295	M8	8	27
090	108	24	50	333	M8	8	27
110	137.5	28	60	397	M10	8	31
130	155	30	80	477	M10	8	33
150	175	35	80	530	M12	10	38

蜗轮输出轴 (A1, A2) 尺寸

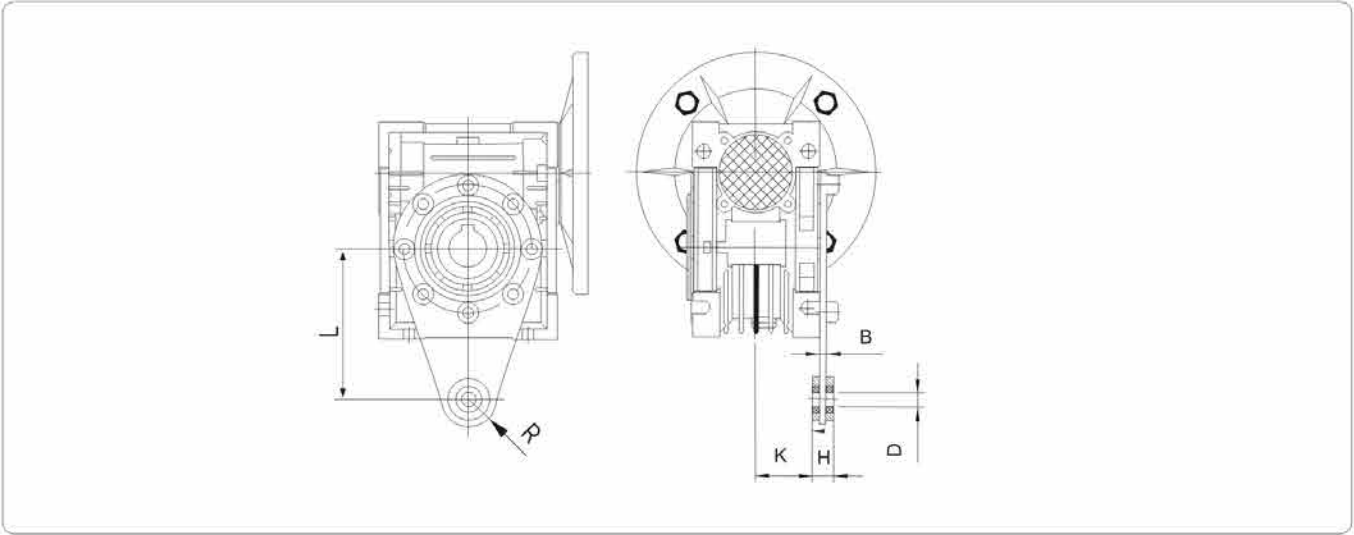
Output shaft (A1, A2) dimensions



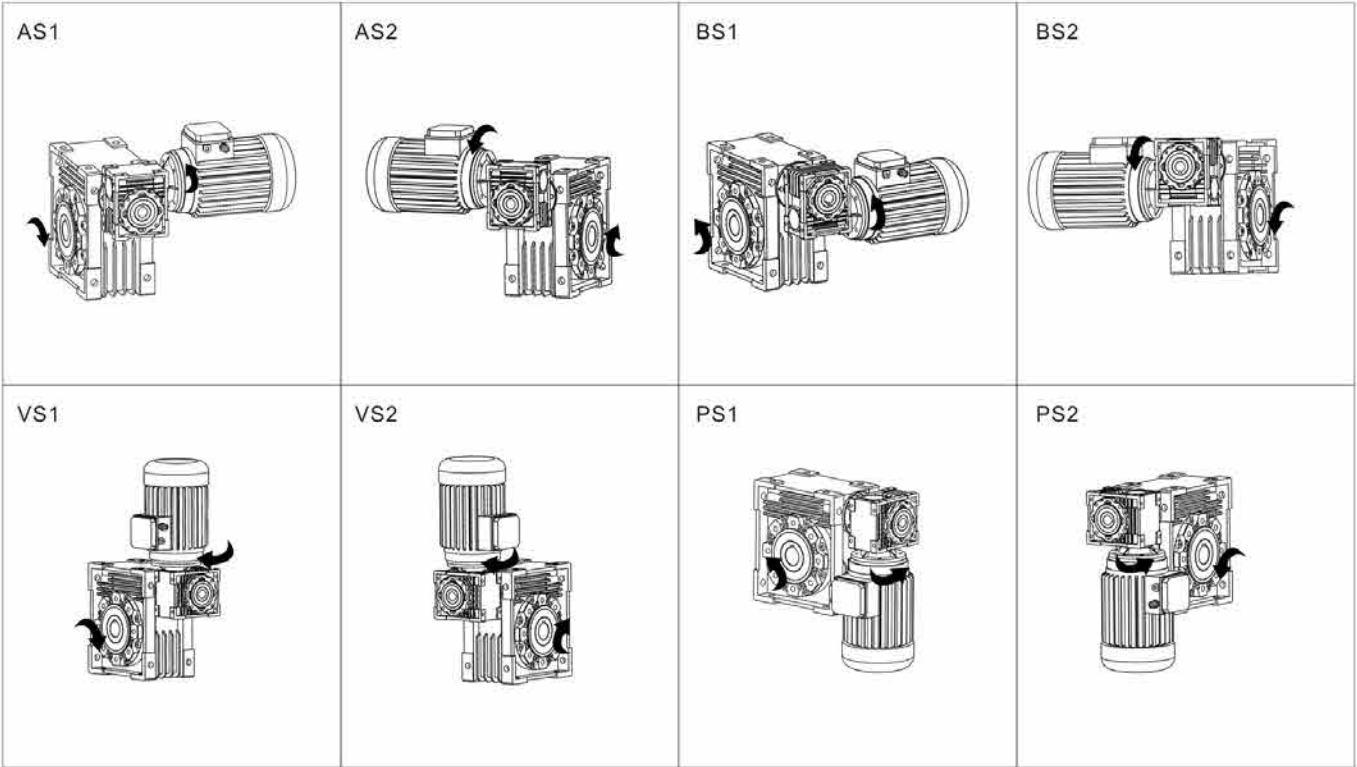
— SRVE 安装方式
SRVE mounting positions

	d(h6)	T	T1	L1	Z	Z1	m	b1	t1
025	11	23	25.5	50	81	101	—	4	12.5
030	14	30	32.5	63	102	128	M6	5	16
040	18	40	43	78	128	164	M6	6	20.5
050	25	50	53.5	92	153	199	M10	8	28
063	25	50	53.5	112	173	219	M10	8	28
075	28	60	63.5	120	192	247	M10	8	31
090	35	80	84.5	140	234	309	M12	10	38
110	42	80	84.5	155	249	324	M16	12	45
130	45	80	85	170	265	340	M16	14	48.5
150	50	82	87	200	297	374	M16	14	53.5

扭力臂 (B) 尺寸
Torque arm (B) dimensions



	L	H	K	D	R	B
025	70	14	17.5	8	15	4
030	85	14	24	8	15	4
040	100	14	31.5	10	18	4
050	100	14	38.5	10	18	4
063	150	14	49	10	18	6
075	200	25	47.5	20	30	6
090	200	25	57.5	20	30	6
110	250	30	62	25	35	6
130	250	30	69	25	35	6
150	250	30	84	25	35	6



— SRVE 性能参数 ($n_1=1400\text{r/min}$)

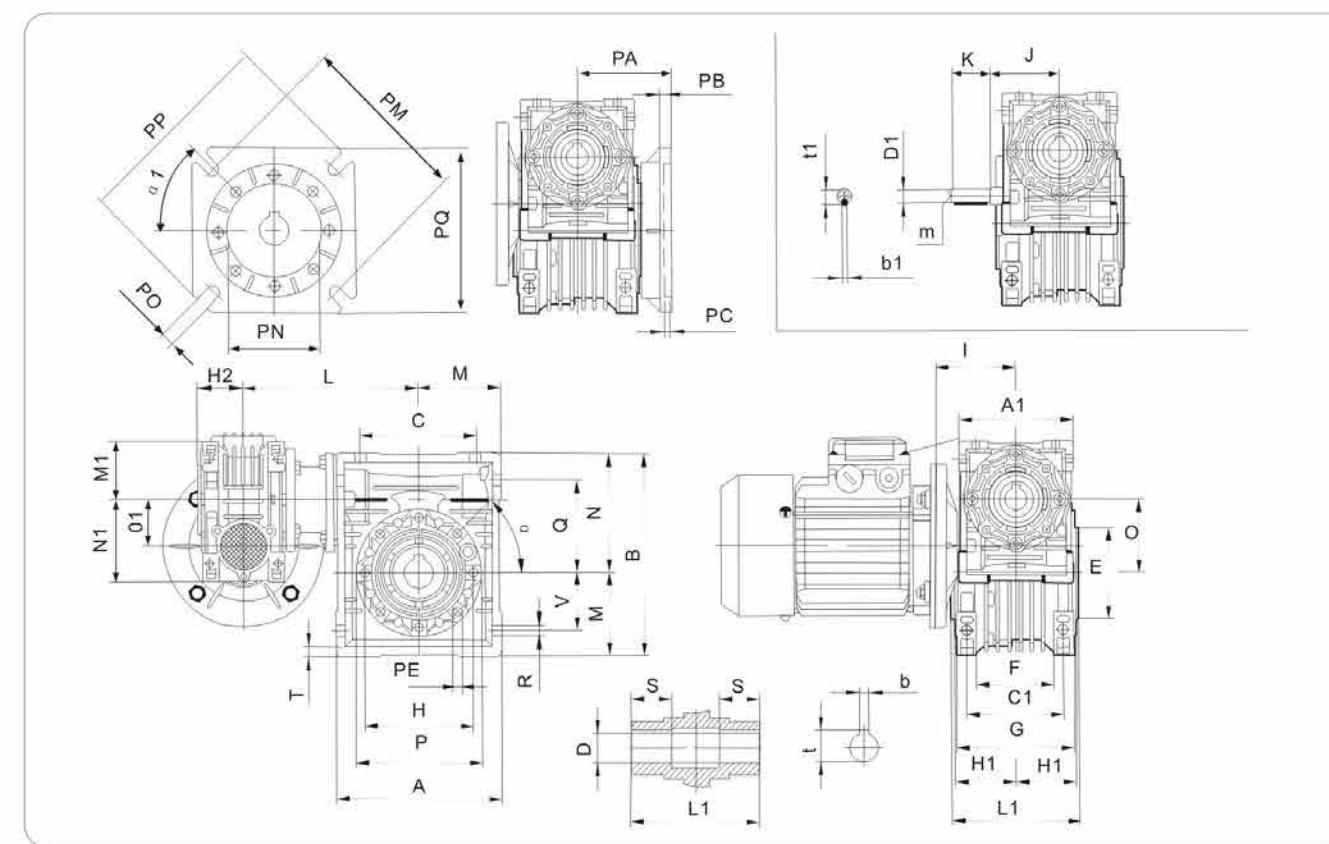
SRVE Performance parameter ($n_1=1400\text{r/min}$)

KW	TYPE	i	$n_2(\text{r/min})$	$M_2(\text{N.M})$	i_1	i_2
0.06KW	SRVE030/040	300	4.7	68.7	10	30
	SRVE030/040	400	3.5	90.7	10	40
	SRVE030/040	500	2.8	101.6	20	25
	SRVE030/040	600	2.3	111.5	20	30
	SRVE030/040	750	1.9	145.0	25	30
	SRVE030/040	900	1.6	165.8	30	30
	SRVE030/050			174.7	30	30
	SRVE030/040	1200	1.2	218.8	30	40
	SRVE030/050			227.0	30	40
	SRVE030/040	1500	0.9	234.9	50	30
	SRVE030/050			247.5	50	30
	SRVE030/063	1800	0.8	270.2	30	50
	SRVE030/040			258.6	60	30
	SRVE030/050			272.3	60	30
	SRVE030/063			280.6	30	60
	SRVE030/040	2400	0.6	341.2	60	40
	SRVE030/050			353.9	60	40
	SRVE030/063			365.7	60	40
	SRVE040/075			388.7	60	40
	SRVE030/040	3000	0.5	385.6	60	50
	SRVE030/050			404.8	60	50
	SRVE030/063			421.4	60	50
	SRVE040/075			485.3	60	50
0.09KW	SRVE030/040	3200	0.4	369.2	80	40
	SRVE030/040	300	4.7	103.1	10	30
	SRVE030/050	400	3.5	141.1	10	40
	SRVE030/050	500	2.8	161.3	10	50
	SRVE030/050	600	2.3	176.2	20	30
	SRVE030/050	750	1.9	229.1	25	30
	SRVE030/063	900	1.6	272.7	30	30
	SRVE030/063	1200	1.2	351.8	30	40
	SRVE040/075	1500	0.9	450.5	50	30
	SRVE040/075	1800	0.8	460.0	60	30
	SRVE040/090	2400	0.6	579.3	60	40
	SRVE040/090	3000	0.5	688.2	60	50
0.12KW	SRVE030/050	300	4.7	144.7	10	30
	SRVE030/050	400	3.5	188.1	10	40
	SRVE030/063	500	2.8	223.9	10	50
	SRVE030/063	600	2.3	275.0	15	40
	SRVE030/063	750	1.9	316.8	15	50
	SRVE040/075	900	1.6	402.8	30	30
	SRVE030/063	1200	1.2	469.1	30	40
	SRVE040/075			510.5	30	40
	SRVE040/090	1500	0.9	602.5	30	50
	SRVE040/090	1800	0.8	686.2	30	60
	SRVE040/090	2400	0.6	772.4	60	40
	SRVE050/110	3000	0.5	1003.2	60	50
0.18KW	SRVE030/050	300	4.7	217.1	10	30
	SRVE030/063	400	3.5	291.5	10	40
	SRVE030/063	500	2.8	335.9	10	50
	SRVE040/075	600	2.3	472.6	20	30
	SRVE040/075	750	1.9	550.4	25	30
	SRVE040/090	900	1.6	599.7	30	30
	SRVE040/090	1200	1.2	760.8	30	40
	SRVE040/090	1500	0.9	903.7	30	50
	SRVE050/110	1800	0.8	932.3	60	30
	SRVE050/110	2400	0.6	1216.4	60	40
	SRVE040/075	300	4.7	347.6	10	30
	SRVE040/075	400	3.5	440.6	10	40
0.25KW	SRVE040/075	500	2.8	550.1	10	50
	SRVE040/090	600	2.3	639.1	15	40

KW	TYPE	i	$n_2(\text{r/min})$	$M_2(\text{N.M})$	i_1	i_2
0.25KW	SRVE040/090	750	1.9	790.7	15	50
	SRVE040/090	900	1.6	900.6	15	60
	SRVE050/110	1200	1.2	1129.0	30	40
	SRVE050/110	1500	0.9	1285.9	50	30
	SRVE050/110	1800	0.8	1294.9	60	30
	SRVE063/130	2400	0.6	1820.3	60	40
	SRVE063/130	3000	0.5	2214.1	60	50
	SRVE063/150	1800	0.78	1199	60	30
	SRVE063/150	2400	0.6	1446	60	40
	SRVE063/150	3000	0.5	1713	60	50
	SRVE063/150	4000	0.4	2026	50	80
	SRVE063/150	5000	0.3	2251	50	100
0.37KW	SRVE040/075	300	4.7	514.5	10	30
	SRVE040/090	400	3.5	647.9	10	40
	SRVE040/090	500	2.8	769.7	10	50
	SRVE040/090	600	2.3	932.5	15	40
	SRVE050/110	750	1.9	1157.2	25	30
	SRVE050/110	900	1.6	1280.6	30	30
	SRVE063/130	1200	1.2	1741.2	40	30
	SRVE063/130	1500	0.9	2006.2	50	30
	SRVE063/130	1800	0.8	2082.8	60	30
	SRVE063/150	1800	0.78	1774	60	30
	SRVE063/150	2400	0.6	2141	60	40
	SRVE063/150	3000	0.5	2535	60	50
0.55KW	SRVE050/110	300	4.7	760.4	10	30
	SRVE050/110	400	3.5	992.1	10	40
	SRVE050/110	500	2.8	1227.3	10	50
	SRVE050/110	600	2.3	1411.3	15	40
	SRVE050/110	750	1.9	1720.2	25	30
	SRVE063/130	900	1.2	2595.0	30	30
	SRVE063/150	1800	0.78	2637	60	30
	SRVE063/150	2400	0.6	3182	60	40
	SRVE050/110	300	4.7	1036.9	10	30
	SRVE050/110	400	3.5	1352.9	10	40
	SRVE063/130	500	2.8	1686.7	10	50
	SRVE063/130	600	2.3	1984.5	15	40
0.75KW	SRVE063/130	750	1.9	2403.0	25	30
	SRVE063/130	900	1.6	2735.8	30	30
	SRVE063/150	500	2.8	1290	10	50
	SRVE063/150	600	2.3	1529	15	40
	SRVE063/150	750	1.9	1783	25	30
	SRVE063/150	900	1.6	2215	30	30
	SRVE063/150	1200	1.2	2680	30	40
	SRVE063/130	300	4.7	1572.5	10	30
	SRVE063/130	400	3.5	2033.9	10	40
	SRVE063/150	150	9.3	752	10	15
	SRVE063/150	200	7.0	966	10	20
	SRVE063/150	250	5.6	1175	10	25
1.1KW	SRVE063/150	300	4.7	1364	10	30
	SRVE063/150	400	3.5	1619	10	40
	SRVE063/150	500	2.8	1893	10	50
	SRVE063/150	600	2.3	2242	15	40
	SRVE063/150	750	1.9	2616	25	30
	SRVE063/130	300	4.7	2144.3	10	30
	SRVE063/150	150	9.3	1026	10	15
	SRVE063/150	200	7	1317	10	20
	SRVE063/150	250	5.6	1602	10	25
	SRVE063/150	300	4.7	1860	10	30
	SRVE063/150	400	3.5	2208	10	40
	SRVE063/150	500	2.8	2582	10	50
1.5KW	SRVE063/150	600	2.3	3057	15	40

— SRVE 尺寸

SRVE dimensions



SRVE	A	A1	B	C	C1	D(F7)	D1(J6)	E(H8)	F	G	H	H1	H2	I	J	K	L	L1	M	M1	N	N1	O	O1	P
030/040	100	80	121.5	70	60	18(19)	9	60	43	71	75	37	29	55	51	20	121	78	50	40	71.5	57	40	30	87
030/050	120	80	144	80	70	25(24)	9	70	49	85	85	43	29	55	51	20	128	92	60	40	84	57	50	30	100
030/063	144	80	174	100	85	25(28)	9	80	67	103	95	53	29	55	51	20	143	112	72	40	102	57	63	30	110
040/075	172	100	205	120	90	28(35)	11	95	72	112	115	57.5	37	70	65	23	168	120	86	50	119	71.5	75	40	140
040/090	206	100	238	140	100	35(38)	11	110	74	130	130	67	37	70	65	23	185	140	103	50	135	71.5	90	40	160
050/110	252.5	120	295	170	115	42	14	130	-	144	165	74	43	80	75	30	222.5	155	127.5	60	167.5	84	110	50	200
063/130	292.5	144	335	200	120	45	19	180	-	155	215	81	53	95	90	40	250.5	170	147.5	72	187.5	102	130	63	250
063/150	340	144	400	240	145	50	19	180	-	185	215	96	53	95	90	40	275	200	170	72	230	102	150	63	250

SRVE	Q	R	S	T	V	PA	PB	PC	PE	PM	PN(H8)	PO	PP	PQ	u	u1	b	b1	t	t1	m	Kg
030/040	55	6.5	26	6.5	35	67(97)	7	4	M6x8(n=4)	75	60	9(n=4)	110	110	45°	45°	6(6)	3	20.8(21.8)	10.2	-	3.9
030/050	64	8.5	30	7	40	90(120)	9	5	M8x10(n=4)	85	70	11(n=4)	125	110	45°	45°	8(8)	3	28.3(27.3)	10.2	-	5.0
030/063	80	8.5	36	8	50	82(112)	10	6	M8x14(n=8)	150	115	11(n=4)	180	142	45°	45°	8(8)	3	28.3(31.3)	10.2	-	7.8
040/075	93	11	40	10	60	111	13	6	M8x14(n=8)	165	130	14(n=4)	200	170	45°	45°	8(10)	4	31.3(38.3)	12.5	-	12.0
040/090	102	13	45	11	70	111	13	6	M10x18(n=8)	175	152	14(n=4)	210	200	45°	45°	10(10)	4	38.3(41.3)	12.5	-	16.0
050/110	125	14	50	14	85	131	15	6	M10x18(n=8)	230	170	14(n=8)	280	260	45°	45°	12	5	45.3	16.0	M6	39
063/130	140	16	60	15	100	140	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	45°	22.5°	14	6	48.3	21.5	M6	55
063/150	180	18	70	18	120	155	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	45°	22.5°	14	6	53.5	21.5	M6	90

—— 减速机润滑油量

Reducer lubrication volume

-减速机的润滑油量与减速机工作时的安装方位有关。

-所有减速机出厂时都按B3安装方位加注WA320润滑油.对于110及130,150 三个规格的减速机如果安装方式不同于B3,必须特别指明安装方式。

-Lubrication volume for is related with mounting position of reducer.

-All stock of reducers are filled with WA320 lubrication according to B3 mounting position. For 110 and 130,150 size reducers, if the mounting position is different from B3, a special indication is required.

油容量(升)/LUBRICATION VOLUME(LITRE)										
SRV	025	030	040	050	063	075	090	110	130	150
B3	0.02	0.042	0.081	0.153	0.3	0.58	1.02	3.02	4.55	7
B8								2.25	3.35	5.1
B6,B7								2.55	3.55	5.4
V5,V6								3.02	4.55	7

—— 润滑油类型

Selection of lubrication

润滑油类型 Reducer specification	合成润滑油 Synthetic lubricating oil
环境温度 Ambient temperature	-25℃~+50℃
武汉博达 BODA	3004 N320
AGIP	TELIUM VSF 320
BP	ENERGOL SG-XP 320
MOBIL	GLYGOYLE30

—— 安装注意事项

Install precautions

- 减速机要平稳安装，避免震动。
- 与机器装配前，请检查减速机的输出轴的旋转方向是否正确。
- 在减速机放置时间长达4-6个月的情况下，应检查密封圈是否因不浸润在润滑油中而与轴发生粘连或失去弹性，必要时更换密封圈。
- 安装空心轴时，应采用专用力矩扳手。如果无该条件时，用户可自行选用专用工具，但应确保轴向不受力，减速机可自由移动。
- 减速机应避免受日光直射和雨淋。
- 确保通风条件良好。
- 工作环境温度低于-5° 或高于40° 时，请咨询技术服务部。
- 皮带盘，齿轮，连轴器，轴等通过特殊螺纹孔装于实心轴或空心轴，该螺纹孔可防止运作时损伤轴承和机件表面，应对减速机表面做适当润滑，以防锈蚀和卡塞。
- 橡胶件和透气孔不可上油漆。
- 安装完毕后，取出油孔上的封口栓塞，换上透气栓塞。
- 检查油位高度。
- 如果减速机不连接电机时，请参考以下注意事项以确保正确连接：B5,B14
- 检查轴与电机法兰之公差是否符合基本标准。
- 清洗轴、中心孔和法蓝表面的污迹及油漆。
- 安装时避免减速机受力。
- 检查马达键槽的位置和偏差。
- 用润滑油涂抹轴的表面，以防生锈或卡塞。
- 开机时应分级启动，不能满负荷启动。
- 装配在电机下方的机件及材料易于受损，应采取适当的防范措施。

- The mounting of reducer must be stable to avoid any vibration.
- Please check whether rotation direction of reducer's output shaft is correct before assembling it to machine.
- W hen the reducer has been stored for 4-6 months, check whether the sealing ring is stuck to the shaft or loses elasticity because of no soaking in the lubricating oil.Replace the sealing ring if necessary.
- For hollow shaft mounting, should use special torque wrench. If no such conditions, users can choose special tool by themselves, but should make sure not force on axial and free move of reducer.
- The reducer should avoid straight sunlight and rain.
- Ensure ventilation condition to be good.
- In the case of ambient temperatures <-5℃ and >+40℃ , please contact the technology service department.
- The Various parts (pulleys, gear wheels, couplings, shafts, etc) mount on the solid or hollow shaft by special threaded hole, which can prevent any damage of bearings and surface of machine parts during running, meanwhile, the surface of the reducer should be properly lubricated to prevent corrosion and jams.
- The rubber parts and vent holes cannot be painted.
- After installation, remove the sealing plug of the oil hole and replace it with a vent plug.
- Check the oil level.
- If the reducer is not connected to the motor, please refer to the following precautions and ensure that it is correctly mounting to B5, B14.
- Check whether the tolerance between the shaft and the motor flange meets the basic standards.
- Clean the dirt and paint of shaft, center hole and the surface of flange.
- Avoid stress on the reducer during installation.
- Check the position and deviation of the motor keyway.
- Coat the surface of the shaft with lubricating oil to prevent rust or jams.
- The load should be added step by step when use the machine, Never running it with full load.
- The accessories and materials assembled under the motor can be damaged, so appropriate precautions should be taken.

—— 愿景 VISION

专注于减速机领域的持续发展，成为全球优秀用户的最佳选择。

Focus on the continuous development of the reducer field and become the best choice for global outstanding users.

—— 使命 MISSION

从跟随到超越

From following to surpassing

—— 经营理念 MANAGEMENT IDEA

- 为社会创造财富与安享
- 为用户分享价值体验
- 为股东获得投资回报
- 为员工带来物质的丰富和工作自豪感
- Create wealth and enjoyment for society
- Share value experience for users (customers)
- Obtain sustained material benefits for shareholders
- Bring material richness and work pride to employees



—— 我们的价值观 OUR VALUES

1

契约精神 SPIRIT OF CONTRACT

以信守承诺、遵守规则、承担风险的做事准则，促进及维护企业及社会的长远发展。

We keep our promises and practice the spirit of contract with all partners, shareholders and employees.

2

持续学习 CONTINUOUS LEARNING

通过终身学习或增量学习的生活方式以适应不断变化的环境和需求。

We always maintain a state of continuous learning at work, continuously break through ourselves and make our products better and better.

3

简单 SIMPLE

企业发展目标清晰，工作方向明确，人事关系简单。

We are a group of simple people who put all passion and enthusiasm into work.

4

快乐 HAPPINESS

因专业而喜悦，因热爱而快乐。

Happy work and happy life are always our pursuit of the the best state.