HONY
—宏昱传动—

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HONY
—宏昱传动—

蜗轮蜗杆减速机选型手册

杭州宏昱传动设备有限公司
Hangzhou Hony Transmission Co.,Ltd

杭州宏昱传动设备有限公司总部位于杭州，是一家集研发、生产、销售于一体的专业减速机制造企业，公司自行生产的HYR、HYK、HYS、HYF系列齿轮减速机，RV系列蜗轮蜗杆减速机，WP系列蜗轮蜗杆减速机，SWL涡轮丝杆升降机等，产品在同行中处于领先地位。

为了能给客户提供更全方位的服务，满足客户对其他配件的需求，我们同时也提供链轮，链条，皮带轮，锥套，联轴器等传动配件。

感谢过去20年的机械生产经验积累，让宏昱传动有能力提供各项非标定制服务，以及成本最优的传动解决方案。我们的技术以及服务团队竭诚为您服务。

目前，宏昱传动销售网络已遍布100多个国家及地区，广泛服务于钢铁行业，冶金行业，印刷机械，食品机械，包装机械，化工机械，起重设备，船舶设备，清洁行业等各种领域。

我们的宗旨是：以市场为导向，客户需求为中心，提供最优质的服务！我们坚信我们的口号“you name it, we make it”！

“宏昱”品牌系列产品各项品质将日趋完美。让我们携手共创辉煌的明天！

Hangzhou Hony transmisson Co., Ltd. is located in Hangzhou CHINA.

Hony transmission is a professional manufacturing enterprise that specialized in the research, production and sales of speed reducer. Our products HYR、HYK、HYS、HYF series of helical gear speed reducers, RV series of worm speed reducers, WP series of worm gear speed reducers, SWL series SWL-WORM GEAR SCREW JACK are leading in the domestic industries.

To supply our clients with a full service, we have integrated the offer with other products such as Sprocket, Chain, Coupling, Bushing, Pulley, Gear & Rack, etc.

With over 20 years experience in mechanical line, Hony transmission is able to offer custom, cost-optimized solutions in accordance with customer drawings. Our internal Application Technology and service department are happy to provide free advice on custom solutions.

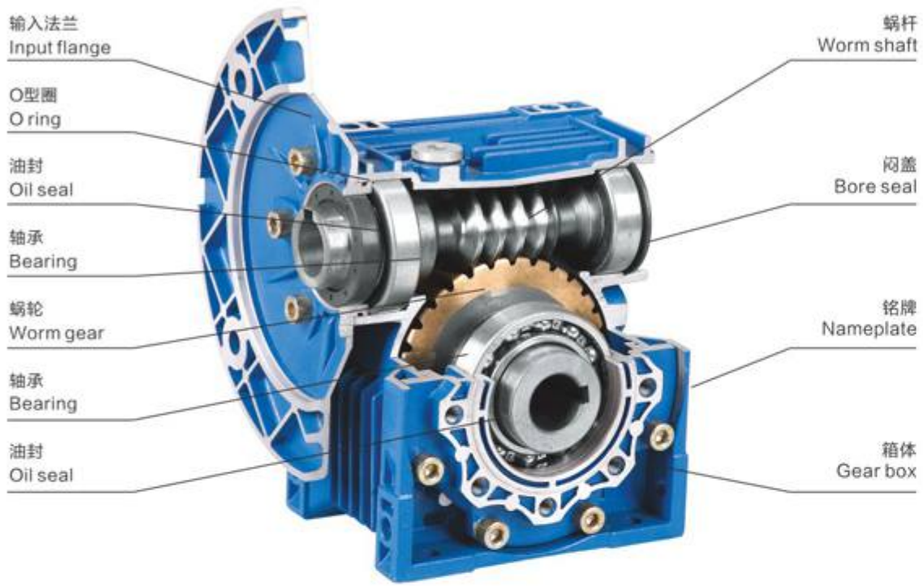
Hony transmission's sales network covers 100 countries and zone, services to the steel industries, metallurgical industries, petroleum machinery, food machinery, chemical machinery, lifting equipment, lifting equipment, cleaning industry and so on.

Our goal is market oriented and customers focus to serve a better service. "you name it, we make it!" is our slogan.

Let us hand in hand to create a brilliant tomorrow!

CATALOGUE目录

产品结构 Products structure view



产品使用 Use and safety guarantee

1. 使用前请确定蜗轮减速机与机械安全配套强度，在蜗轮减速机性能参数安全范围内。
2. 蜗轮减速机出厂时已加注润滑油，在开始运行400小时，应更换润滑油，以后换油周期约为4000小时。
3. 蜗轮减速机箱体内应保留足够的润滑油，并定时检查油量。
4. 安装时避免锋利器具碰伤输出轴油封造成减速箱漏油。
5. 与机械连接前请确认旋转方向，若旋转方向不正常有可能受伤或破坏装置
6. 在旋转部位请设置安全罩等，防止受伤。
7. 搬动时若发生脱落或倾倒，很危险，请充分注意。

1. Please check and confirm the matching intensity between worm gear reducer and mechanical equipment before use to assure that it is in the safety range of worm gear reducer performance parameters.
2. Worm gear reducer has filled with lubricating oil. Please replace the lubricating oil after the first starting of 400 hours and after then 4000 hours for lubricating oil replacing cycle.
3. There should be enough lubrication in worm gear box and keep regular check with the oil level.
4. When installation, please be careful to avoid sharp instruments bruising the oil seals on output shaft to cause leakage.
5. Please confirm the rotation direction before mechanical connection. If the rotation direction is not correct, it will possible injury or damage the devices.
6. Please set safety covers in rotating position to avoid of injuring. ,
7. Please pay full attention: it is very dangerous if there is off or falling when moving.

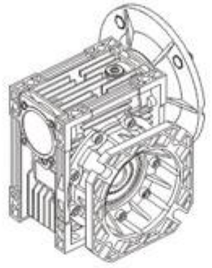
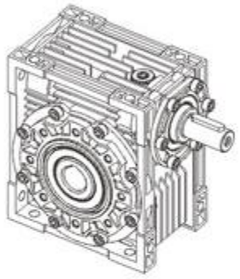
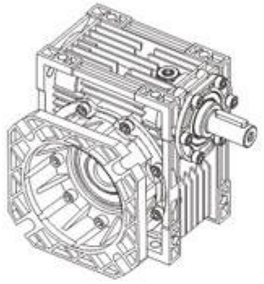
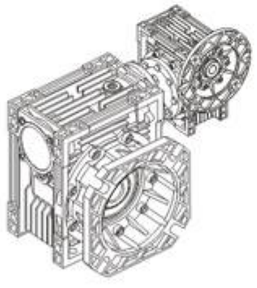
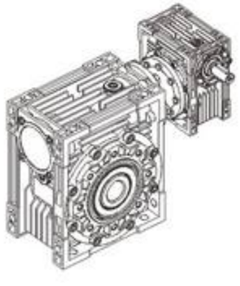
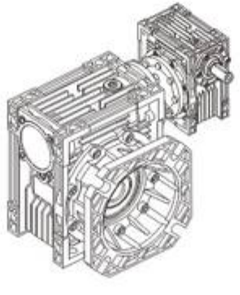
动力无极限 传动更精彩 Power has no limits drive more wonderful
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

产品特点 Products characteristics

1. 不占空间: 蜗轮减速机与电机组装时，出力轴方向安装空间大，中空型减速机轴心与电机可成直角状态，占用空间小有利于机器小型化。
2. 具有自锁功能: 应用场合需微保持力，可直接使用，省却安装制动装置。
3. 快速停止: 一般齿轮减速机，停止时间约需要5–10秒，但使用NMRV系列产品只需要2–5秒就可达到静止状态。
4. 搭配性高: 中空轴选装方便，单方向出力型或双出力轴型，轴心换装方便。
5. 安全性高: 使用不同于传统的传动方式，免链轮、皮带轮，传动结构密封不外露，可直接驱动。减少对作业人员的伤害。
6. 防护性佳: 防水、防尘，减速机防护等级IP55构造，对于粉尘及水气有良好的隔离功能。
7. 可多面安装无角度限制: 全系列产品，每个平面，都有固定孔，你可以选择安装时所需的方向、角度安装。
8. 散热佳: 机壳采用铝合金重力压铸一体成型，散热快，蜗杆、蜗轮寿命延长，而使用性能佳。（使用中外壳发热属正常状况）。
9. 维修方便: 因为不同于传统的装置方式，你勿需再拆装、链轮、链条，只需拆装减速机的固定座既可轻松完成换装。
10. 无厂牌限制: 可配套的普通电机系列、或1（RK）15W–200W电机，可轻易装配无需另外加工。
11. 宽广的减速比: 由于采用分离型装配，可轻易的变换减速比，从30–20000。
12. 相配马达可以附刹车器，与蜗轮减速箱一体成形美观实用。

1. Occupied no space: The space requirement for the installation of output shaft is considerably large while assembling motor or reduce. The installation of hollow type reducer may form right Angle with motor, thus facilitate miniaturize of the machine.
2. Self locking: For the place require for minor holding force, save the cost of baking device, such as in slope conveyor.
3. Fast stop: The ordinary gear reducer available in market requires 5– 10seconds stop time. but NMRV series product need only 2– 5 seconds to reach state of still.
4. High accommodation: You may select from hollow shaft. uni–direction output shaft or dal output shaft, easy to modify, only one minute to complete the dissemble and assemble of shaft.
5. High safety: Use transmission different from conventional method, no sprocket pulley is needed, no exposed transmission structure, Reduce the possibility of operator.
6. Good protection: Water, dust proof, the protection class Ip55 possesses, good isolation to dust and moisture.
7. Allow multiple sides installation, no restriction in angle: There are holes for mounting on all plains of the series of product for your selection of direction and angle required.
8. Good cooling effect: One formation aluminum alloy for casing, quigley heat dissipation extended life for worn lever, worn gear, good durability (wormca–sing during running is normal)
9. Easy maintenance: Different from conventional mounting method, you den,t need the dissemble the sprocket, pulley but only dissemble and Assemble the mounting base of the reducer to compete the modification easily.
10. No restriction on brand: Match with 15W–200W paese or domestic product available in market without further processing.
11. Wide reduction ratio: Easily change the reduction ration from 30–20000 due to detached assemble.
12. May complete with brake, clutch in one formation aesthetic and practice.

蜗轮减速机机型版本 Versions

	NMRV 025–150	NMRV 025–150 F	
	NMRV 025–150	NMRV 025–150 F	
	NMRV–NMRV 025–150	NMRV–NMRV 025–150 F	
	NMRV–NMRV 025–150	NMRV–NMRV 025–150 F	

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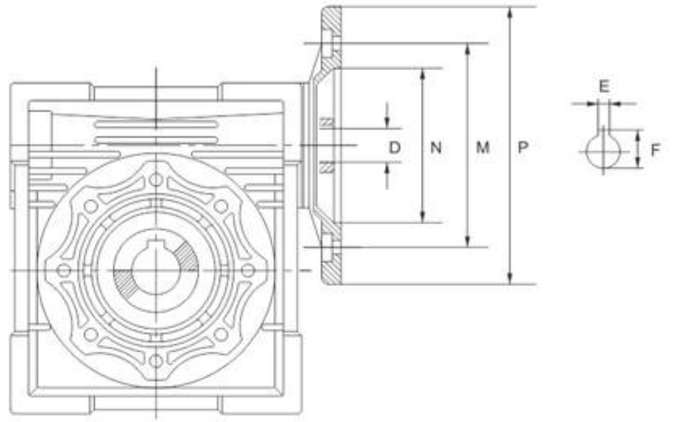
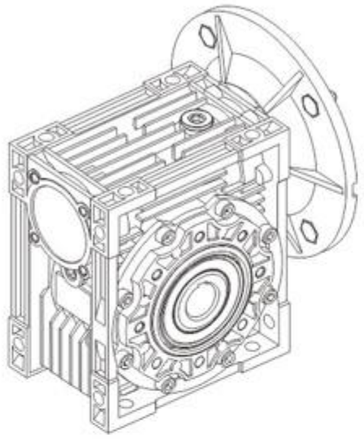
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

电机直联尺寸 Predisposition

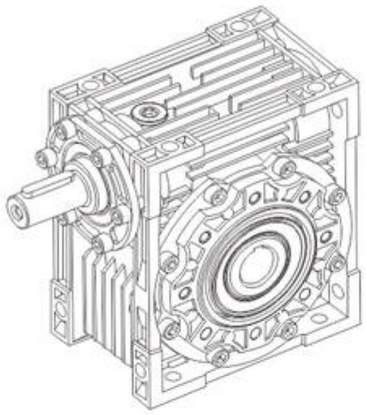


NMRV	电机法兰 Motor Flange						输入轴孔直径 D The Hole Diameter of Shaft										
	PAM	N	M	P	E	F	传动比 i Transmission Ratio										
	IEC						7.5	10	15	20	25	30	40	50	60	80	100
25	56B14	50	65	80	3	10.4	9	9	9	9	–	9	9	9	9	–	–
30	63B5	95	115	140	4	12.8	11	11	11	11	11	11	11	11	–	–	–
	63B14	60	75	90													
	56B5	80	100	120	3	10.4	9	9	9	9	9	9	9	9	9	9	–
	56B14	50	65	80													
40	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	–	–	–	–
	71B14	70	85	105													
	63B5	95	115	140	4	12.8	–	–	–	11	11	11	11	11	11	11	–
	63B14	60	75	90													
	56B5	80	100	120	3	10.4	–	–	–	–	–	–	–	9	9	9	9
50	80B5	130	165	200	6	21.8	19	19	19	19	19	19	–	–	–	–	–
	80B14	80	100	120													
	71B5	110	130	160	5	16.3	–	14	14	14	14	14	14	14	14	14	–
	71B14	70	85	105													
	63B5	95	115	140	4	12.8	–	–	–	–	–	–	11	11	11	11	11
63	90B5	130	165	200	8	27.3	24	24	24	24	24	24	–	–	–	–	–
	90B14	95	115	140													
	80B5	130	165	200	6	21.8	–	–	19	19	19	19	19	19	19	–	–
	80B14	80	100	120													
	71B5	110	130	160	5	16.3	–	–	–	–	–	–	14	14	14	14	14
	71B14	70	85	105													
75	100/112B5	180	215	250	8	31.3	28	28	28	–	–	–	–	–	–	–	–
	100/112B14	110	130	160													
	90B5	130	165	200	8	27.3	–	24	24	24	24	24	24	–	–	–	–
	90B14	95	115	140													
	80B5	130	165	200	6	21.8	–	–	–	–	19	19	19	19	19	19	19
	80B14	80	100	120													
90	100/112B5	180	215	250	8	31.3	28	28	28	28	28	28	–	–	–	–	–
	100/112B14	110	130	160													
	90B5	130	165	200	8	27.3	–	–	–	24	24	24	24	24	24	–	–
	90B14	95	115	140													
	80B5	130	165	200	6	21.8	–	–	–	–	–	–	–	19	19	19	19
	80B14	80	100	120													
110	132B5	230	265	300	10	41.1	38	38	38	38	–	–	–	–	–	–	–
	100/112B5	180	215	250	8	31.3	–	28	28	28	28	28	28	28	28	–	–
	90B5	130	165	200	8	27.3	–	–	–	–	–	–	24	24	24	24	24
130	132B5	230	265	300	10	41.1	38	38	38	38	38	38	38	–	–	–	–
	100/112B5	180	215	250	8	31.3	–	–	–	–	28	28	28	28	28	28	28
150	160B5	250	300	350	12	45.3	42	42	42	42	42	–	–	–	–	–	–
	132B5	230	265	300	10	41.3	–	–	–	38	38	38	38	38	38	–	–
	100/112B5	180	215	250	8	31.3	–	–	–	–	–	–	–	28	28	28	28

NMRV/NMRV



NMRV



NMRV

NMRV型号说明 How to order

类型 Type	减速比 Ratio	双向输入轴 Double input shaft	输出 Output	输入法兰 Input flange	安装方位 Mounting position	颜色 Color
NMRV063	30	VS	FA1-ASR-A1	80B5	B3	B

- 颜色 / Color
  - B=银灰色 / Silver gray
  - L=蓝色 / Blue
- 安装方位 / Mounting position
  - B3, B6, B7, B8, V5, V6
- 输入法兰(电机类型) / Input flange (Motor mounting)
  - B5,B14
- 扭力臂 / Torque arm
  - A1, A2
- 输出轴 / Output shaft
  - ASL, ASR (单向输出轴 / Single output shaft)
  - AB (双向输出轴 / Double output shaft)
- 输出法兰 / Flange mounting
  - FA, FB, FC, FD, FE (型号 / Version)
  - 1, 2 (安装位置 / Mounting side)
- 双向输入轴
  - Double intput shaft
- 减速比 / Reduction ratio
  - 5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100
- 减速机尺寸 (中心距) / Gearbox size (Central distance)
  - 025, 030, 040, 050, 063, 075, 090, 110, 130, 150
- 蜗杆减速机类型 / Worm gearbox type
  - NMRV=带电机接口蜗杆减速机
  - NMRV=Worm-gear unit with IEC moto interface
  - NMRV=带输入蜗杆减速机
  - NMRV=Worm speed reducer with solid input shaft

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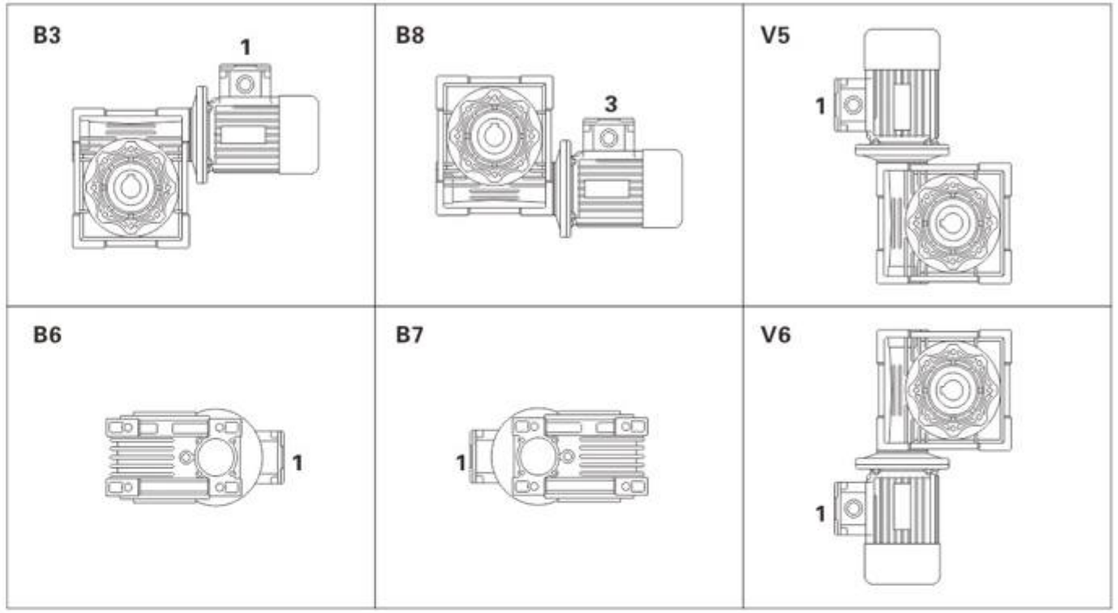
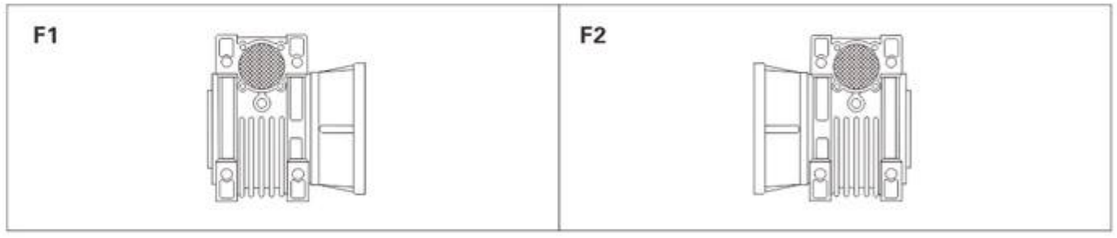
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

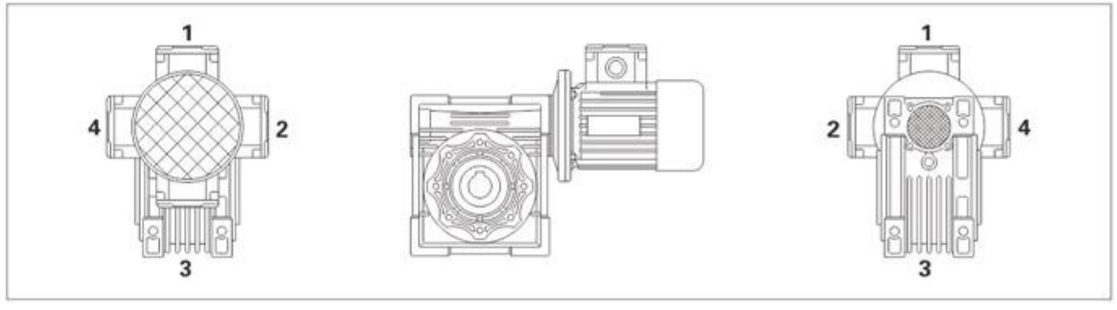
安装方位 Mounting Positions



法兰位置 Flange F-FL

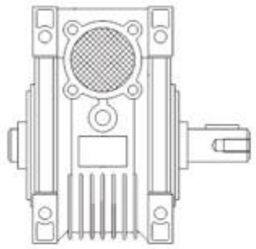


接线盒安装方式 Position Of Terminal Box

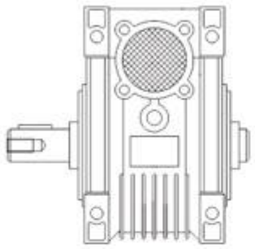


输出轴配置 Position Of Output Shaft

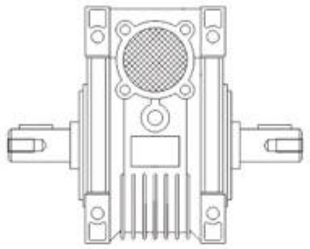
ASL



ASR

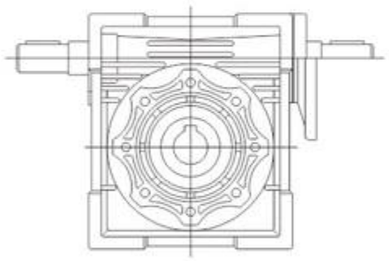


AB



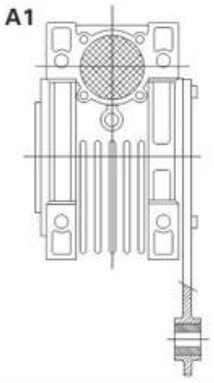
双向输入轴 Double extension worm shaft

VS

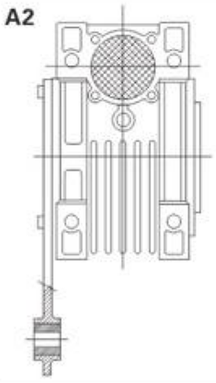


扭力臂配置 Position Of Torque Arm

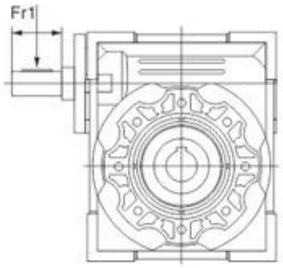
A1



A2



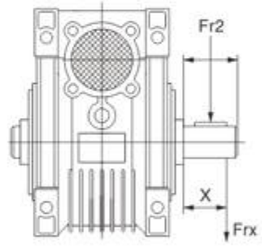
输入轴许用径向载荷 Applied mid-way along the input shaft



(N)

n1	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
1400	150	250	350	500	700	900	1200	1500	1950
900	175	290	400	580	810	1040	1390	1740	2262
500	210	350	490	700	980	1270	1700	2100	2730

输出轴许用径向载荷 Applied mid-way along the output shaft



$$Frx=Fr\frac{a}{b+x}$$

(N)

n2	NMRV025	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
400	390	530	1020	1400	1830	2160	2390	3020	3950	5532
250	460	620	1200	1650	2150	2520	2800	3530	4610	6456
150	550	740	1420	1960	2540	2990	3310	4180	5470	7660
100	630	850	1620	2250	2910	3430	3800	4790	6260	8767
60	740	1000	1920	2660	3450	4060	4500	5680	7420	10391
40	850	1150	2200	3050	3950	4650	5150	6500	8500	11903
25	990	1350	2570	3570	4620	5440	6020	7600	9940	13920
10	1350	1830	3490	4840	6270	7380	8180	10320	13500	16500
a	50	65	84	101	120	131	162	191	203	218
b	38	50	64	76	95	101	122	151	163	176

--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走近表中规定的数值。
--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 resul tant radial power at the edge of shaft should not exceed the values specified as in above table.
--The max allowed axial thrust is 1/5 of radial force while the radial force and axial force effected together.

选型参数 Parameter Selections

NMRV单级减速机(法兰输入，输入转速1400r/min)/(配4极电机)
Single step reducer (flange input, input speed is 1400r/min)/(matched with 4 poles motor)

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
0.06kw					
NMRV025	186.7	2.6	7.5	0.5	4.2
	140	3.4	10	0.55	3.5
	93.3	4.9	15	0.63	2.5
	70	6.1	20	0.69	2.0
	46.7	8.2	30	0.79	1.6
	35	10	40	0.87	1.3
	28	12	50	0.94	0.9
	23.3	14	60	1.00	0.7
NMRV030	186.7	2.6	7.5	0.68	6.9
	140	3.4	10	0.75	5.4
	93.3	4.7	15	0.86	3.8
	70	6	20	0.94	3.0
	56	7	25	1.02	3.0
	46.7	8	30	1.08	2.5
	35	9.7	40	1.19	1.9
	28	11	50	1.28	1.5
	23.3	13	60	1.36	1.3
	17.5	14	80	1.5	0.9
0.09kw					
NMRV025	186.7	3.9	7.5	0.5	2.8
	140	5.1	10	0.55	2.4
	93.3	7.3	15	0.63	1.6
	70	9.2	20	0.69	1.3
	46.7	12	30	0.79	1.1
	35	15	40	0.87	0.9
NMRV030	186.7	3.9	7.5	0.68	4.6
	140	5	10	0.75	3.6
	93.3	7.1	15	0.86	2.5
	70	9	20	0.94	2.0
	56	10	25	1.02	2.0
	46.7	12	30	1.08	1.7
	35	14	40	1.19	1.2
	28	17	50	1.28	1.0
	23.3	19	60	1.36	0.9
NMRV040	28	19	50	2.47	2.0
	23.3	21	60	2.63	1.7
	17.5	26	80	2.89	1.3
	14	29	100	3.11	1.0
0.12kw					
NMRV030	186.7	5.2	7.5	0.68	3.4
	140	6.7	10	0.75	2.7
	93.3	9.5	15	0.6	1.9
	70	12	20	0.94	1.5
	56	14	25	1.02	1.5
	46.7	16	30	1.08	1.3
	35	19	40	1.19	0.9
	28	23	50	1.28	0.8
NMRV040	46.7	17.2	30	2.08	2.6
	35	21	40	2.29	1.9

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
0.12kw					
NMRV040	28	25	50	2.47	1.5
	23.3	28	60	2.63	1.3
	17.5	34	80	2.89	1.0
	14	38	100	3.11	0.8
NMRV050	23.3	29	60	3.61	2.3
	17.5	35	80	3.97	1.9
	14	40	100	4.28	1.4
0.18kw					
NMRV030	186.7	7.8	7.5	0.68	2.3
	140	10	10	0.75	1.8
	93.3	14	15	0.86	1.3
	70	18	20	0.94	1.0
	56	21	25	1.02	1.0
	46.7	24	30	1.08	0.8
NMRV040	70	19	20	1.82	2.0
	56	23	25	1.96	1.7
	46.7	26	30	2.08	1.7
	35	32	40	2.29	1.3
	28	38	50	2.47	1.0
	23.3	43	60	2.63	0.8
NMRV050	35	32	40	3.15	2.3
	28	39	50	3.39	1.9
	23.3	43	60	3.61	1.6
	17.5	52	80	3.97	1.2
	14	60	100	4.28	0.9
0.25kw					
NMRV040	186.7	11	7.5	1.31	3.6
	140	14	10	1.44	2.8
	93.3	21	15	1.65	1.9
	70	27	20	1.82	1.5
	56	32	25	1.96	1.2
	46.7	36	30	2.08	1.3
	35	44	40	2.29	0.9
	28	37	50	2.47	0.8
NMRV050	70	26	20	2.50	2.7
	56	32	25	2.69	2.2
	46.7	37	30	2.86	2.3
	35	46	40	3.15	1.7
	28	54	50	3.39	1.4
	23.3	60	60	3.61	1.1
	17.5	72	80	3.97	0.9
NMRV063	28	56	50	4.44	2.4
	23.3	63	60	4.71	2.0
	17.5	78	80	5.19	1.6
	14	87	100	5.59	1.4
0.37kw					
NMRV040	186.7	16	7.5	1.31	2.4
	140	21	10	1.44	1.9
	93.3	31	15	1.65	1.3

动力无极限 传动更精彩 Power has no limits drive more wonderful
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
0.37kw					
NMRV040	70	39	20	1.82	1.0
	56	47	25	1.96	0.8
	46.7	53	30	2.08	0.8
NMRV050	140	21	10	1.98	3.3
	93.3	31	15	2.27	2.4
	70	40	20	2.5	1.8
	56	48	25	2.69	1.5
	46.7	55	30	2.86	1.5
	35	68	40	3.15	1.1
	28	80	50	3.39	0.9
	23.3	89	60	3.61	0.8
NMRV063	35	70	40	4.12	2.1
	28	83	50	4.44	1.6
	23.3	94	60	4.71	1.4
	17.5	115	80	5.19	1.1
	14	129	100	5.59	0.9
0.55kw					
NMRV050	186.7	25	7.5	1.8	2.9
	140	32	10	1.98	2.2
	93.3	46	15	2.27	1.6
	70	59	20	2.5	1.2
	56	71	25	2.69	1.0
	46.7	81	30	2.86	1.0
	35	80	40	3.13	0.9
NMRV063	70	60	20	3.27	2.2
	56	73	25	3.52	1.8
	46.7	83	30	3.74	1.9
	35	105	40	4.12	1.4
	28	124	50	4.44	1.1
	23.3	140	60	4.71	0.9
NMRV075	35	108	40	4.86	2.0
	28	129	50	5.24	1.6
	23.3	146	60	5.56	1.4
	17.5	180	80	6.13	1.1
	14	206	100	6.60	0.9
NMRV090	17.5	189	80	6.78	1.5
	14	221	100	7.30	1.2
0.75kw					
NMRV050	186.7	34	7.5	1.80	2.1
	140	44	10	1.98	1.6
	93.3	63	15	2.27	1.2
	70	81	20	2.50	0.9
NMRV063	93.3	63	15	2.97	2.2
	70	83	20	3.27	1.6
	56	100	25	3.52	1.3
	46.7	114	30	3.74	1.4
	35	143	40	4.12	1.0
NMRV075	56	102	25	4.16	2.0
	46.7	117	30	4.42	2.0
	35	147	40	4.86	1.5
	28	177	50	5.24	1.2
	23.3	200	60	5.56	1.0
NMRV090	28	184	50	5.79	1.8
	23.3	212	60	6.16	1.5

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
0.75kw					
NMRV090	17.5	258	80	6.78	1.1
	14	302	100	7.30	0.9
1.1kw					
NMRV063	186.7	49	7.5	2.35	2.6
	140	65	10	2.59	2.0
	93.3	93	15	2.97	1.5
	70	122	20	3.27	1.1
	56	146	25	3.52	0.9
	46.7	167	30	3.74	1.0
	35	165	40	3.59	0.9
NMRV075	93.3	95	15	3.50	2.1
	70	123	20	3.86	1.7
	56	150	25	4.16	1.3
	46.7	171	30	4.42	1.3
	35	216	40	4.86	1.0
	28	264	50	4.60	0.9
	23.3	223	60	4.89	0.8
NMRV090	35	225	40	5.38	1.6
	28	270	50	5.79	1.3
	23.3	311	60	6.16	1.0
	17.5	328	80	6.17	0.9
NMRV110	28	281	50	7.32	2.3
	23.3	324	60	7.78	1.9
	17.5	402	80	8.57	1.3
	14	473	100	9.23	1.0
1.5kw					
NMRV063	186.7	67	7.5	2.35	1.9
	140	89	10	2.59	1.5
	93.3	127	15	2.97	1.1
	70	166	20	3.27	0.8
NMRV075	140	90	10	3.06	2.2
	93.3	130	15	3.50	1.5
	70	168	20	3.86	1.3
	56	205	25	4.16	1.0
	46.7	233	30	4.42	1.0
NMRV090	70	171	20	4.27	2.1
	56	210	25	4.60	1.6
	46.7	239	30	4.89	1.7
	35	307	40	5.38	1.2
	28	368	50	5.79	0.9
	23.3	424	60	6.16	0.8
NMRV110	35	319	40	6.80	2.2
	28	384	50	7.32	1.7
	23.3	442	60	7.78	1.4
	17.5	548	80	8.57	0.9
2.2kw					
NMRV075	186.7	100	7.5	2.78	1.8
	140	132	10	3.06	1.5
	93.3	191	15	3.50	1.0
	70	240	20	3.38	0.9
	46.7	269	30	3.89	0.8
NMRV090	186.7	101	7.5	3.08	2.9
	140	134	10	3.39	2.3
	93.3	194	15	3.88	1.9

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
2.2kw					
NMRV090	70	252	20	4.27	1.4
	56	308	25	4.60	1.1
	46.7	351	30	4.89	1.2
	35	433	40	4.90	1.0
	28	393	50	5.28	0.9
NMRV110	70	255	20	5.39	2.5
	56	315	25	5.81	2.2
	46.7	356	30	6.18	2.0
	35	468	40	6.8	1.5
	28	563	50	7.32	1.2
	23.3	648	60	7.78	1.0
NMRV130	35	468	40	8.89	2.2
	28	563	50	9.58	1.7
	23.3	648	60	10.18	1.4
	17.5	816	80	11.21	1.0
	14	869	100	10.62	0.8
NMRV150	28	570	50	13.10	2.5
	23.3	657	60	13.92	1.9
	17.5	816	80	15.32	1.4
	14	960	100	16.50	1.0
3.0kw					
NMRV075	186.7	136	7.5	2.78	1.4
	140	180	10	3.06	1.1
	93.3	261	15	3.50	0.8
NMRV090	186.7	138	7.5	3.08	2.1
	140	182	10	3.39	1.7
	93.3	264	15	3.88	1.4
	70	344	20	4.27	1.0
	56	420	25	4.60	0.8
	46.7	479	30	4.89	0.9
NMRV110	93.3	264	15	4.90	2.5
	70	348	20	5.39	1.9
	56	430	25	5.81	1.6
	46.7	485	30	6.18	1.5
	35	638	40	6.80	1.1
	28	767	50	7.32	0.9
NMRV130	56	429	25	7.60	2.2
	46.7	491	30	8.08	2.1
	35	638	40	8.89	1.6
	28	767	50	9.58	1.3
	23.3	884	60	10.18	1.0
	17.5	1113	80	11.21	0.8
NMRV150	28	777	50	13.10	1.8
	23.3	896	60	13.92	1.4
	17.5	1113	80	15.32	1.0
	14	1310	100	16.50	0.8
4.0kw					
NMRV075	186.7	182	7.5	2.44	1.4
NMRV090	186.7	184	7.5	3.08	1.6
	140	243	10	3.39	1.3
	93.3	352	15	3.88	1.0
	70	458	20	4.27	0.8
NMRV110	140	242	10	4.28	2.5
	93.3	352	15	4.90	1.9
	70	464	20	5.39	1.4

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
4.0kw					
NMRV110	56	573	25	5.81	1.2
	46.7	647	30	6.18	1.1
NMRV130	56	573	25	7.60	1.6
	46.7	655	30	8.08	1.6
	35	851	40	8.89	1.2
	28	1023	50	9.58	1.0
	23.3	1179	60	10.18	0.8
NMRV150	28	1036	50	13.10	1.4
	23.3	1195	60	13.92	1.1
	17.5	1484	80	15.32	0.8
5.5kw					
NMRV110	186.7	253	7.5	3.89	2.2
	140	334	10	4.28	1.8
	93.3	484	15	4.90	1.4
	70	638	20	5.39	0.9
	56	711	25	5.15	1.0
NMRV130	140	333	10	5.60	2.5
	93.3	490	15	6.41	1.9
	70	645	20	7.06	1.4
	56	788	25	7.60	1.2
	46.7	900	30	8.08	1.2
	35	1171	40	8.89	0.9
	28	1103	50	8.51	0.8
NMRV150	70	645	20	9.65	2.0
	56	788	25	10.40	1.5
	46.7	934	30	11.05	1.3
	35	1171	40	12.16	1.3
	28	1426	50	13.10	1.0
	23.3	1643	60	13.92	0.8
7.5kw					
NMRV110	186.7	345	7.5	3.89	1.6
	140	455	10	4.28	1.3
	93.3	660	15	4.90	1.0
NMRV130	186.7	349	7.5	5.09	2.1
	140	455	10	5.6	1.8
	93.3	668	15	6.41	1.4
	70	880	20	7.06	1.0
	56	1074	25	7.6	0.9
	46.7	1228	30	8.08	0.8
	35	1596	40	8.89	0.7
NMRV150	70	880	20	9.65	1.5
	56	1074	25	10.4	1.1
	46.7	1274	30	11.05	0.9
	35	1596	40	12.16	1.0
11kw					
NMRV150	186.7	512	7.5	6.96	2.3
	140	675	10	7.66	1.8
	93.3	990	15	8.77	1.3
	70	1291	20	9.65	1.0
	56	1576	25	10.4	0.8
15kw					
NMRV150	186.7	698	7.5	6.96	1.7
	140	921	10	7.66	1.3
	93.3	1351	15	8.77	0.9
	70	1760	20	9.65	0.7

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NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

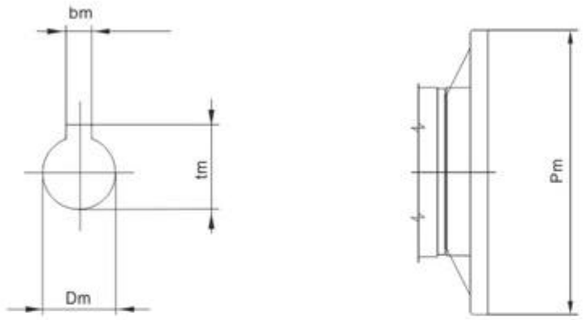
NMRV单级(轴伸输入，输入转速1400r/min)/(配4极电机)
Single step reducer (shaft extend input, input speed is 1400r/min)

机型代号 Model	输入轴功率 kW	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输入轴径向力 kN
NMRV030	0.4	186.7	18	7.5	0.68	0.15
	0.3	140	18	10	0.75	0.16
	0.2	93.3	18	15	0.86	0.16
	0.2	70	18	20	0.94	0.19
	0.2	56	21	25	1.02	0.21
	0.2	46.7	20	30	1.08	0.21
	0.1	35	18	40	1.19	0.21
	0.1	28	17	50	1.28	0.21
	0.1	23.3	16	60	1.36	0.21
	0.1	17.5	13	80	1.50	0.21
NMRV040	0.9	186.7	40	7.5	1.31	0.29
	0.7	140	40	10	1.44	0.33
	0.5	93.3	40	15	1.65	0.33
	0.4	70	39	20	1.82	0.35
	0.3	56	38	25	1.96	0.35
	0.3	46.7	45	30	2.08	0.35
	0.2	35	41	40	2.29	0.35
	0.2	28	39	50	2.47	0.35
	0.2	23.3	36	60	2.63	0.35
	0.1	17.5	33	80	2.89	0.35
	0.1	14	29	100	3.11	0.35
NMRV050	1.6	186.7	71	7.5	1.80	0.4
	1.2	140	72	10	1.98	0.49
	0.9	93.3	74	15	2.27	0.49
	0.7	70	73	20	2.5	0.49
	0.5	56	70	25	2.69	0.49
	0.6	46.7	84	30	2.86	0.49
	0.4	35	76	40	3.15	0.49
	0.3	28	73	50	3.39	0.49
	0.3	23.3	68	60	3.61	0.49
	0.2	17.5	65	80	3.97	0.49
	0.2	14	55	100	4.28	0.49
NMRV063	2.8	186.7	128	7.5	2.35	0.5
	2.2	140	130	10	2.59	0.57
	1.6	93.3	140	15	2.97	0.61
	1.2	70	135	20	3.27	0.66
	1.0	56	130	25	3.52	0.70
	1.1	46.7	160	30	3.74	0.70
	0.8	35	145	40	4.12	0.70
	0.6	28	135	50	4.44	0.70
	0.5	23.3	130	60	4.71	0.70
	0.4	17.5	122	80	5.19	0.70
	0.3	14	118	100	5.59	0.70
NMRV075	4.1	186.7	185	7.5	2.78	0.70
	3.2	140	195	10	3.06	0.83
	2.3	93.3	200	15	3.50	0.85
	1.9	70	210	20	3.86	0.98
	1.5	56	200	25	4.16	0.98
	1.5	46.7	230	30	4.42	0.98

机型代号 Model	输入轴功率 kW	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输入轴径向力 kN
NMRV075	1.1	35	220	40	4.86	0.98
	0.9	28	210	50	5.24	0.98
	0.8	23.3	200	60	5.56	0.98
	0.6	17.5	190	80	6.13	0.98
	0.5	14	180	100	6.60	0.98
NMRV090	6.3	186.7	290	7.5	3.08	0.90
	5.1	140	310	10	3.39	1.08
	4.1	93.3	360	15	3.88	1.25
	2.4	56	340	25	4.60	1.27
	2.6	46.7	410	30	4.89	1.27
	1.8	35	360	40	5.38	1.27
	1.4	28	340	50	5.79	1.27
	1.1	23.3	320	60	6.16	1.27
	0.8	17.5	285	80	6.78	1.27
	0.7	14	270	100	7.30	1.27
NMRV110	12	186.7	552	7.5	3.89	1.20
	9.8	140	598	10	4.28	1.46
	7.5	93.3	656	15	4.90	1.60
	5.6	70	644	20	5.39	1.70
	4.7	56	679	25	5.81	1.70
	4.5	46.7	725	30	6.18	1.70
	3.3	35	702	40	6.80	1.70
	2.6	28	660	50	7.32	1.70
	2.1	23.3	616	60	7.78	1.70
	1.4	17.5	515	80	8.57	1.70
	1.1	14	483	100	9.23	1.70
NMRV130	16.1	186.7	750	7.5	5.09	1.50
	13.5	140	820	10	5.60	1.84
	10.3	93.3	920	15	6.41	2.07
	7.8	70	910	20	7.06	2.10
	6.5	56	930	25	7.06	2.10
	6.4	46.7	1040	30	8.08	2.10
	4.9	35	1050	40	8.89	2.10
	3.8	28	980	50	9.58	2.10
	3.1	23.3	900	60	10.18	2.10
	2.3	17.5	840	80	11.21	2.10
	1.7	14	740	100	12.07	2.10
NMRV150	25.8	186.7	1200	7.5	6.96	1.95
	20.2	140	1240	10	7.66	2.26
	13.9	93.3	1250	15	8.77	2.28
	11.1	70	1300	20	9.65	2.67
	8.4	56	1200	25	10.40	2.80
	7.1	46.7	1200	30	11.05	2.80
	7.3	35	1550	40	12.16	2.80
	5.4	28	1400	50	13.10	2.80
	4.2	23.3	1260	60	13.92	2.80
	3.1	17.5	1150	80	15.32	2.80
	2.3	14	1000	100	16.50	2.80

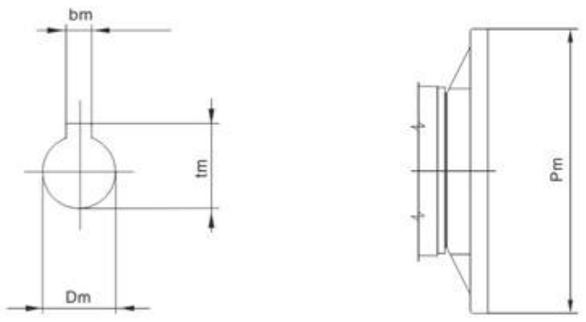
PAM外形尺寸 Dimensions

B5外形尺寸 Dimensions



B5	IEC										
	056	063	071	080	090	100	112	132	160	180	200
Pm	120	140	160	200	200	250	250	300	350	350	400
Dm	9	11	14	19	24	28	28	38	42	48	55
bm	3	4	5	6	8	8	8	10	12	14	16
tm	10.4	12.8	16.3	21.8	27.3	31.3	31.3	41.3	45.3	51.3	59.3

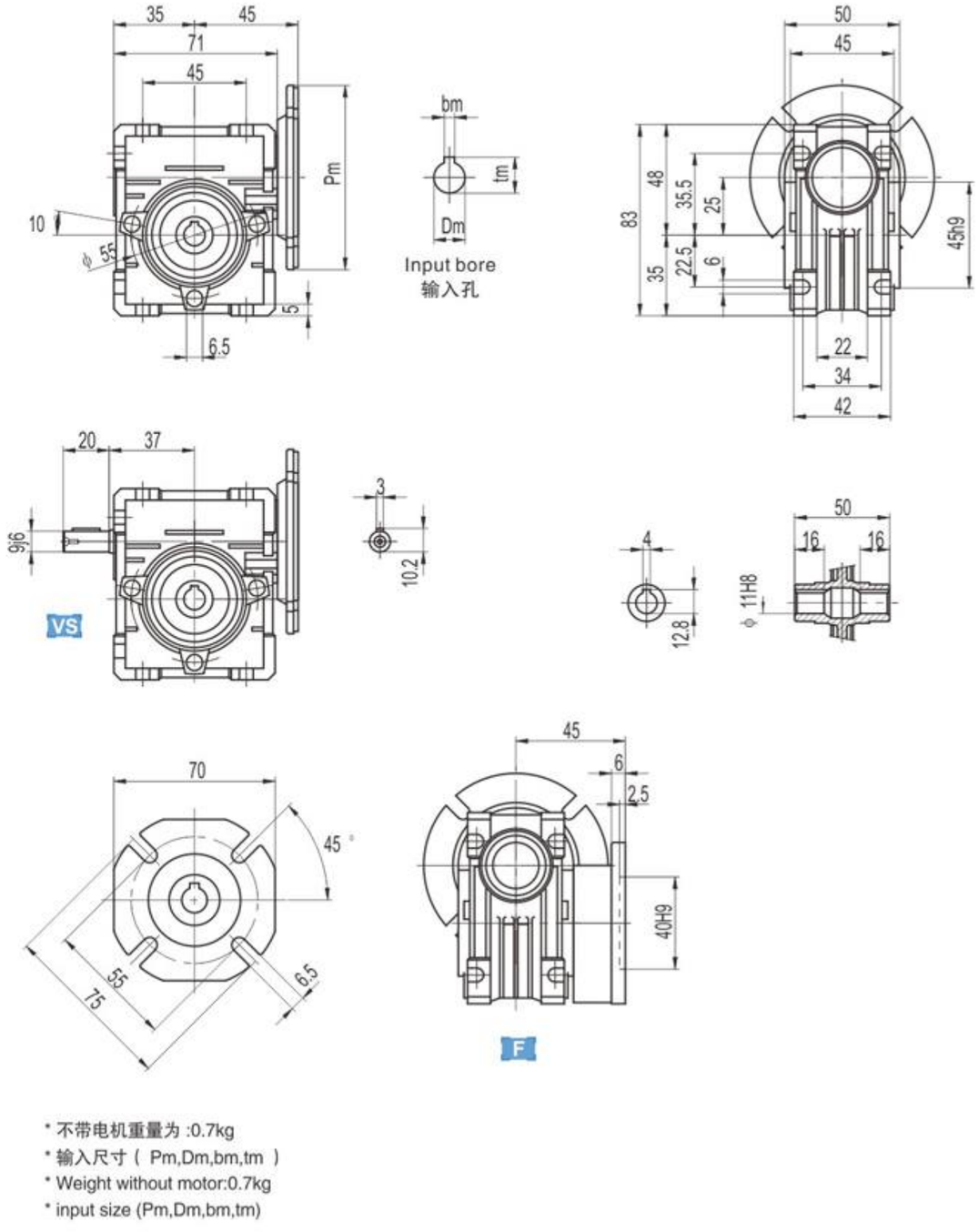
B14外形尺寸 Dimensions



B14	IEC							
	056	063	071	080	090	100	112	132
Pm	80	90	105	120	140	160	160	200
Dm	9	11	14	19	24	28	28	38
bm	3	4	5	6	8	8	8	10
tm	10.4	12.8	16.3	21.8	27.3	31.3	31.3	41.3

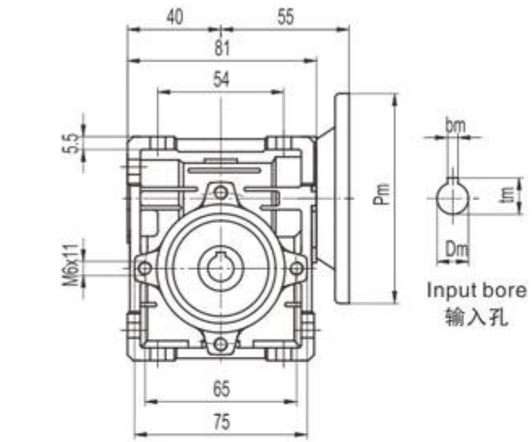
动力无极限 传动更精彩 Power has no limits drive more wonderful
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

减速机外形尺寸 Dimensions NMRV025

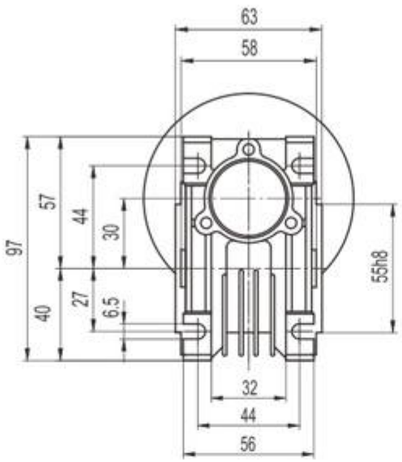


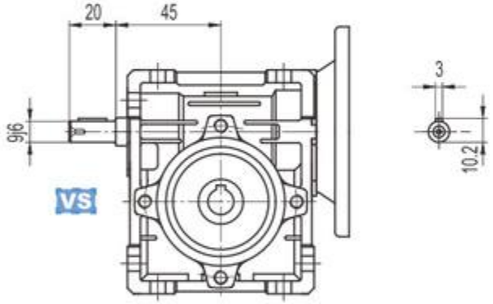
* 不带电机重量为 :0.7kg
* 输入尺寸（ Pm,Dm,bm,tm ）
* Weight without motor:0.7kg
* input size (Pm,Dm,bm,tm)

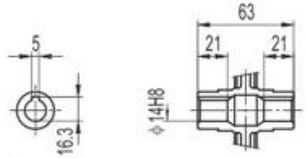
减速机外形尺寸 Dimensions NMRV030



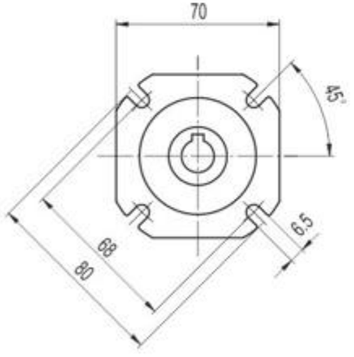
Input bore
输入孔

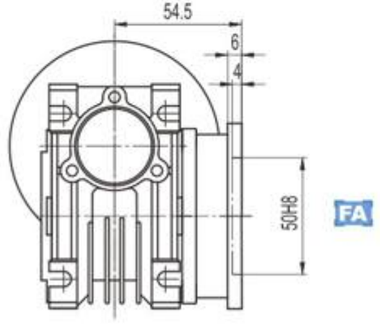






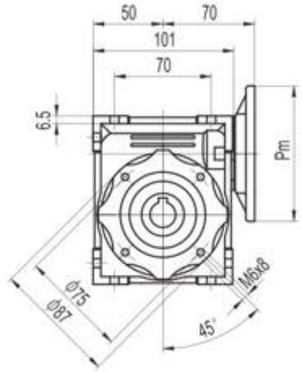
Output bore
输出孔

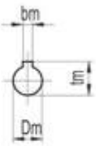


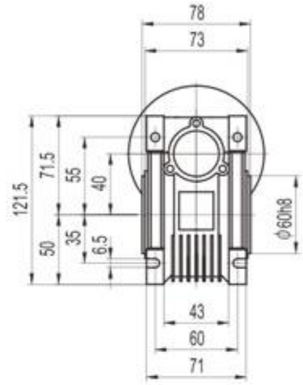


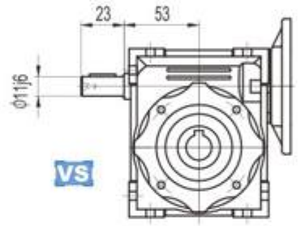
* 不带电机重量为 :1.3kg
* 输入尺寸（ Pm,Dm,bm,tm ）
* Weight without motor:1.3kg
* input size (Pm,Dm,bm,tm)

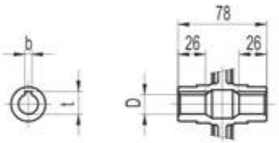
减速机外形尺寸 Dimensions NMRV040

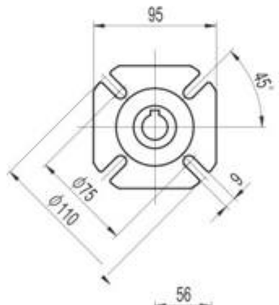


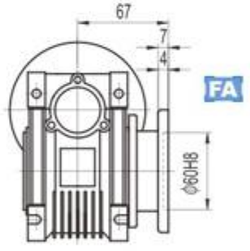


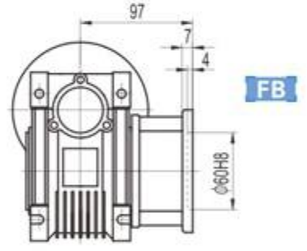


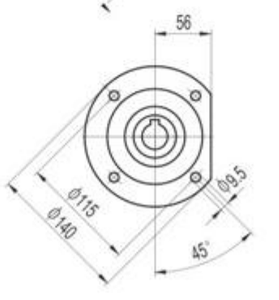


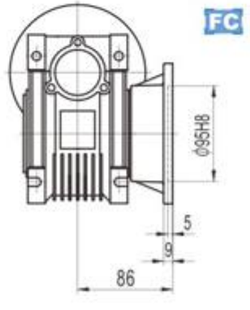


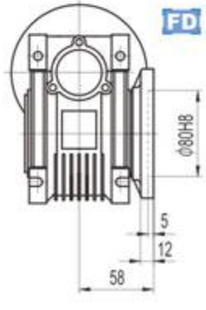








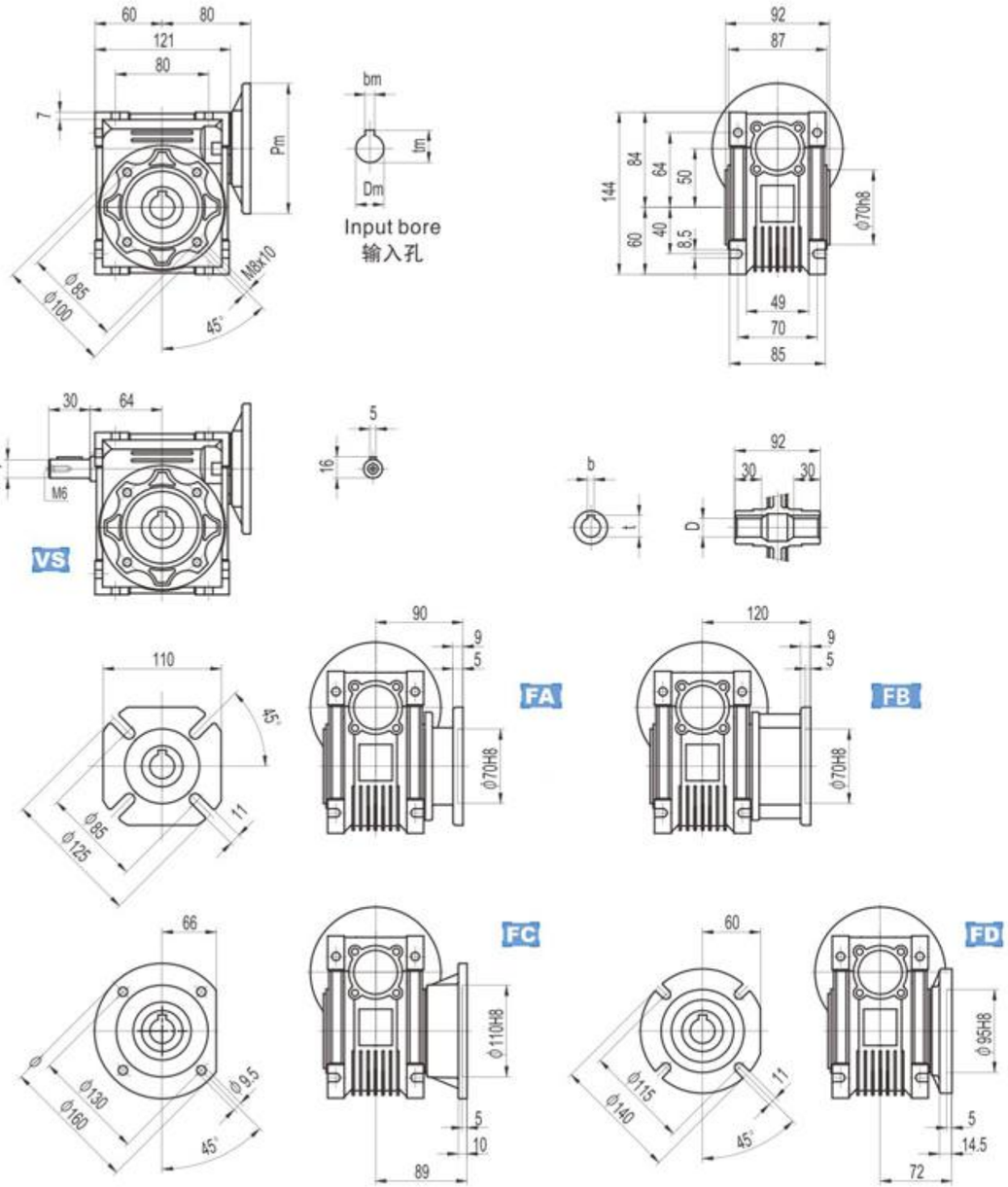




输出/Output		
D H8	b	t
18 (19)	6 (6)	20.8 (21.8)

(..)根据用户要求定制
* 不带电机重量为:2.3kg
* 输入尺寸（Pm,Dm,bm,tm）
(..)Only on request
* Weight without motor:2.3kg
* input size (Pm,Dm,bm,tm)

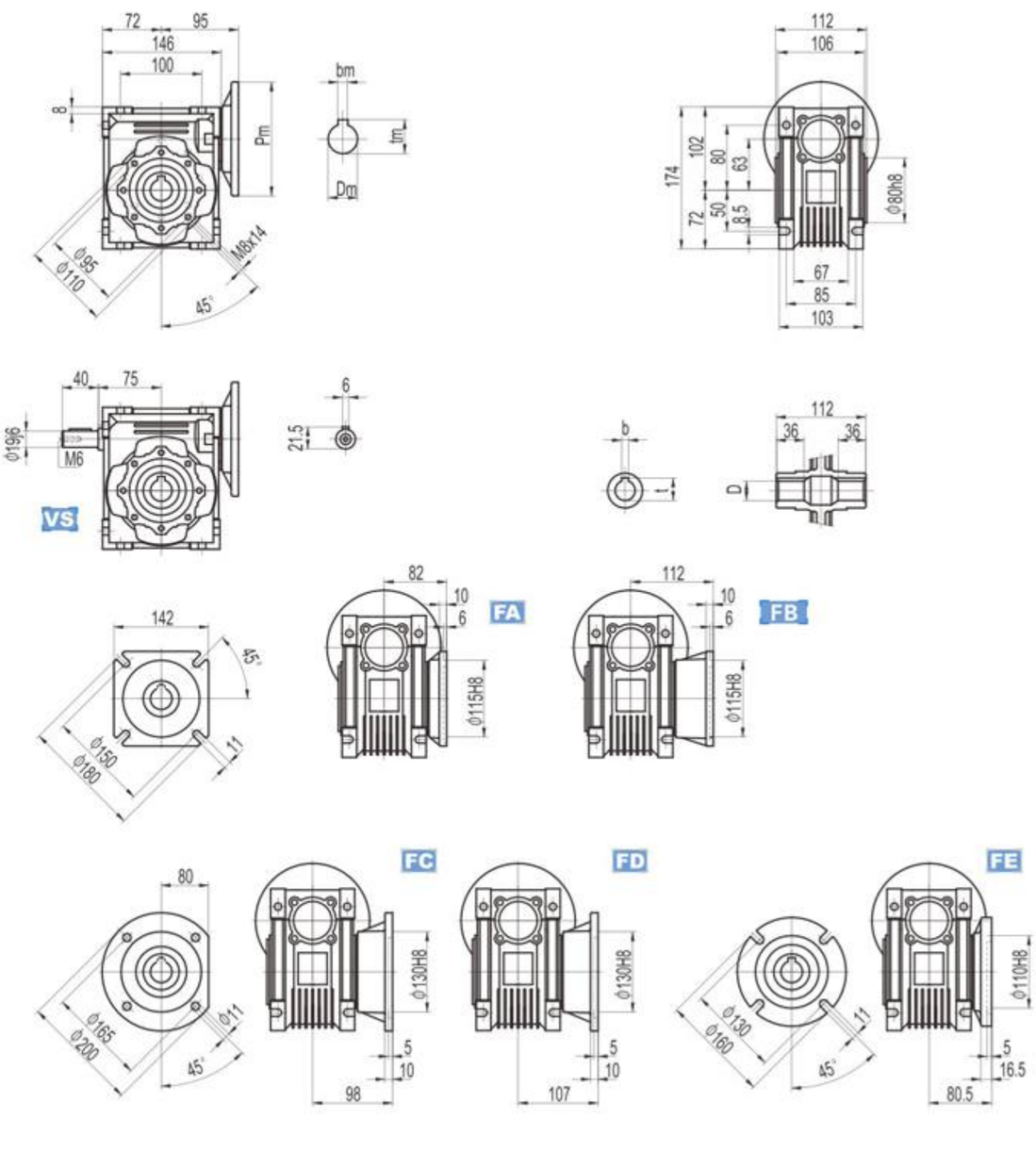
减速机外形尺寸 Dimensions NMRV050



输出/Output		
D H8	b	t
25 (24)	8 (8)	28.3 (27.3)

(..)根据用户要求定制
* 不带电机重量为:3.5kg
* 输入尺寸 (Pm,Dm,bm,tm)
(..)Only on request
* Weight without motor:3.5kg
* input size (Pm,Dm,bm,tm)

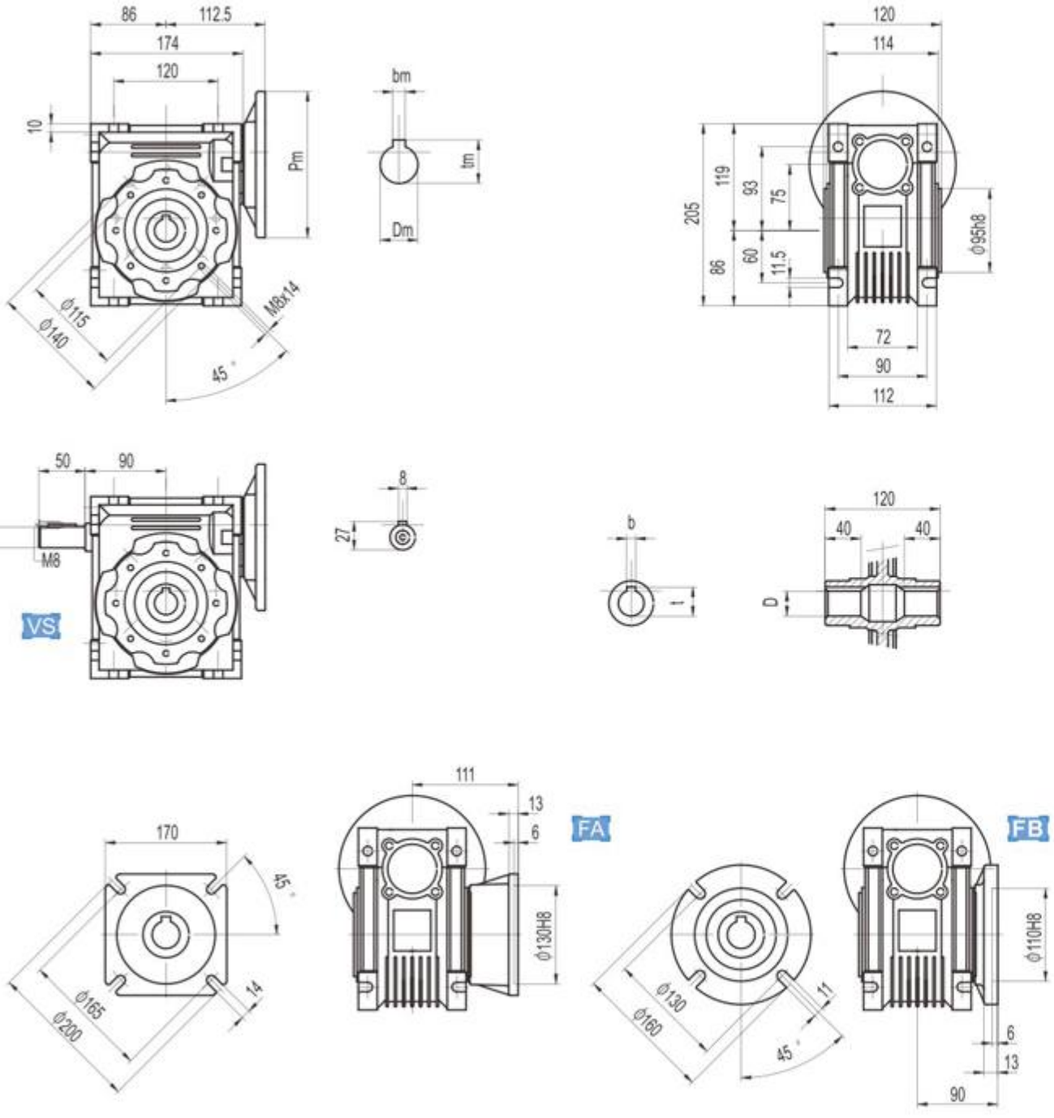
减速机外形尺寸 Dimensions NMRV063



输出/Output		
D H8	b	t
25 (28)	8 (8)	28.3 (31.3)

(..)根据用户要求定制
* 不带电机重量为:6.2kg
* 输入尺寸 (Pm,Dm,bm,tm)
(..)Only on request
* Weight without motor:6.2kg
* input size (Pm,Dm,bm,tm)

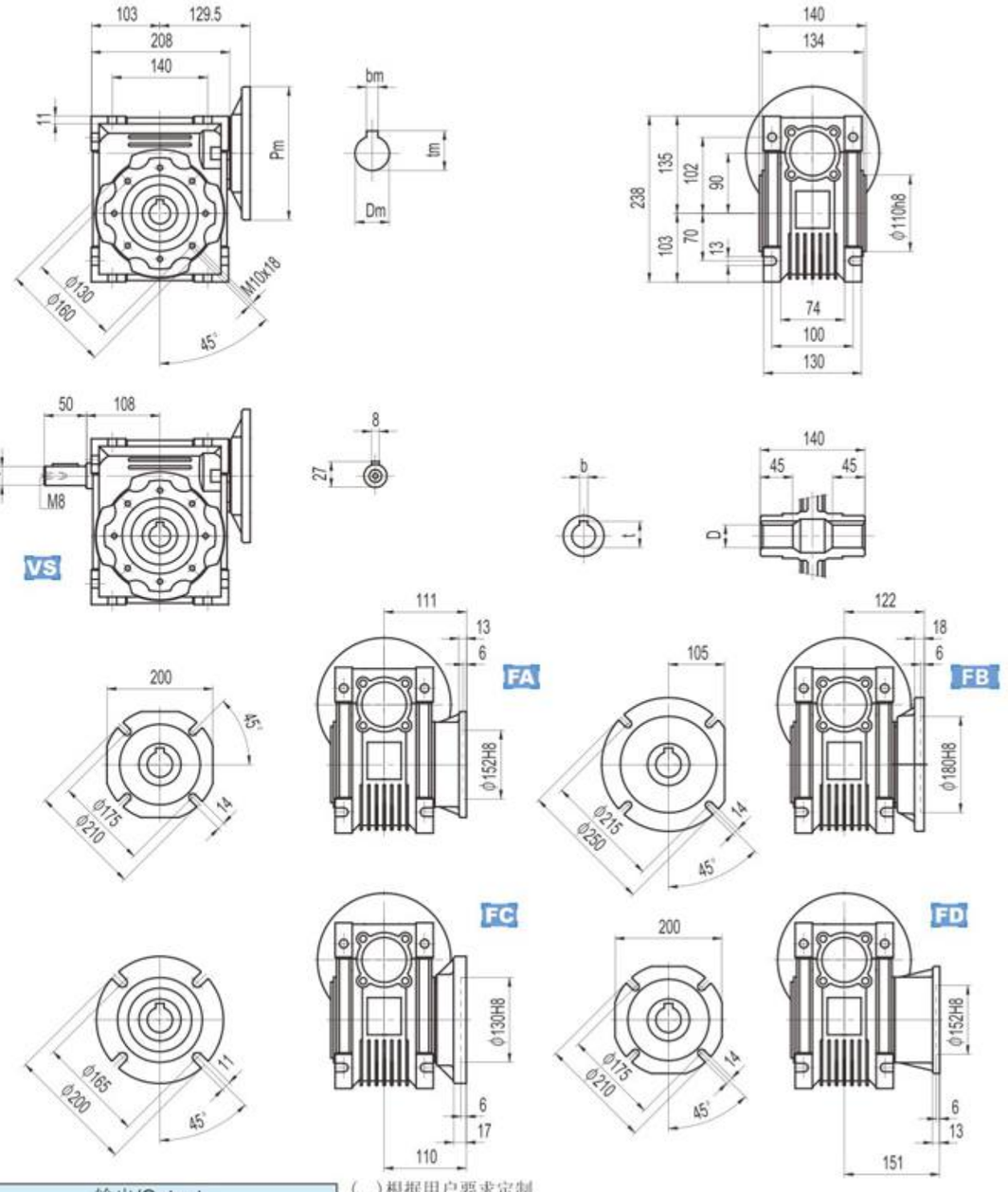
减速机外形尺寸 Dimensions NMRV075



输出 /Output		
D H8	b	t
28 (35)	8 (10)	31.3 (38.3)

(..) 根据用户要求定制
* 不带电机重量为 :9kg
* 输入尺寸 (Pm, Dm, bm, tm)
(..)Only on request
* Weight without motor:9kg
* input size (Pm, Dm, bm, tm)

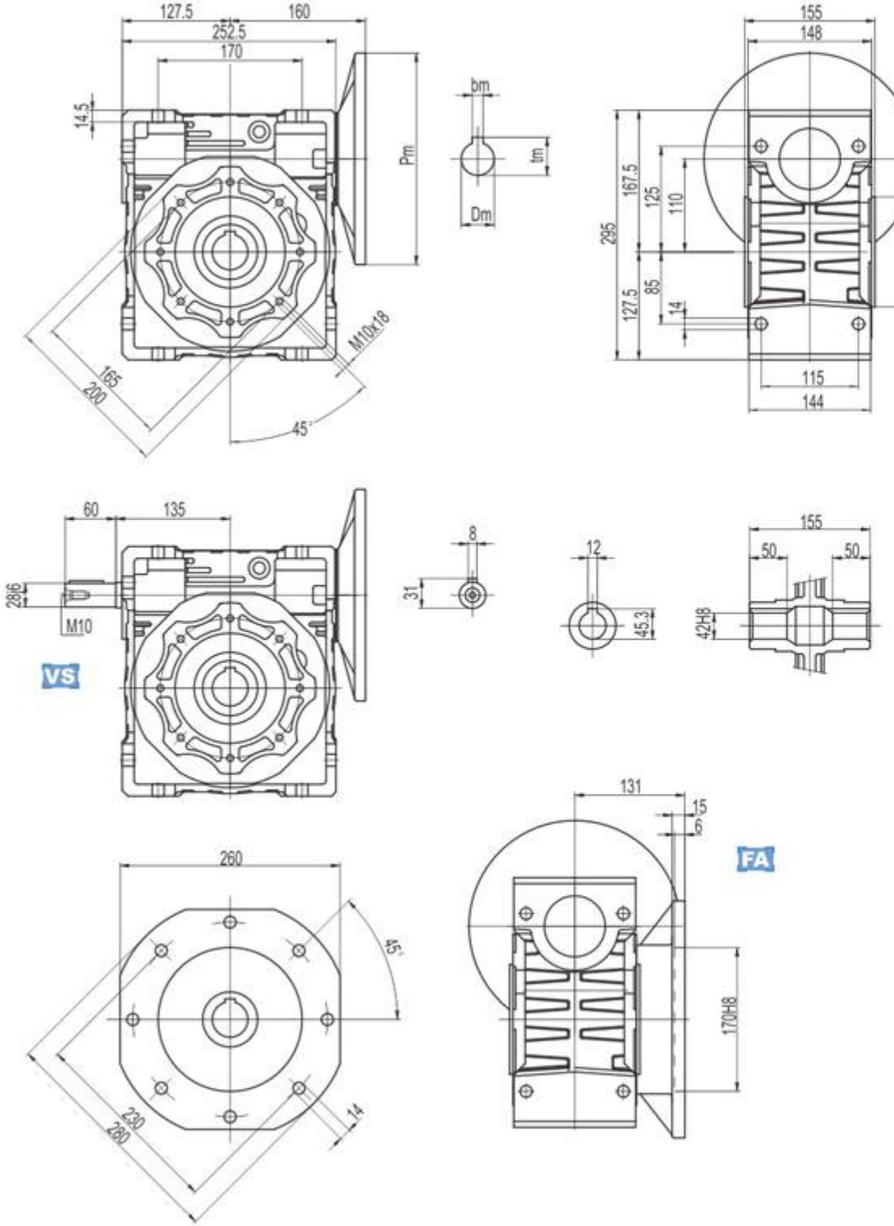
减速机外形尺寸 Dimensions NMRV090



输出/Output		
D H8	b	t
35 (38)	10 (10)	38.3 (41.3)

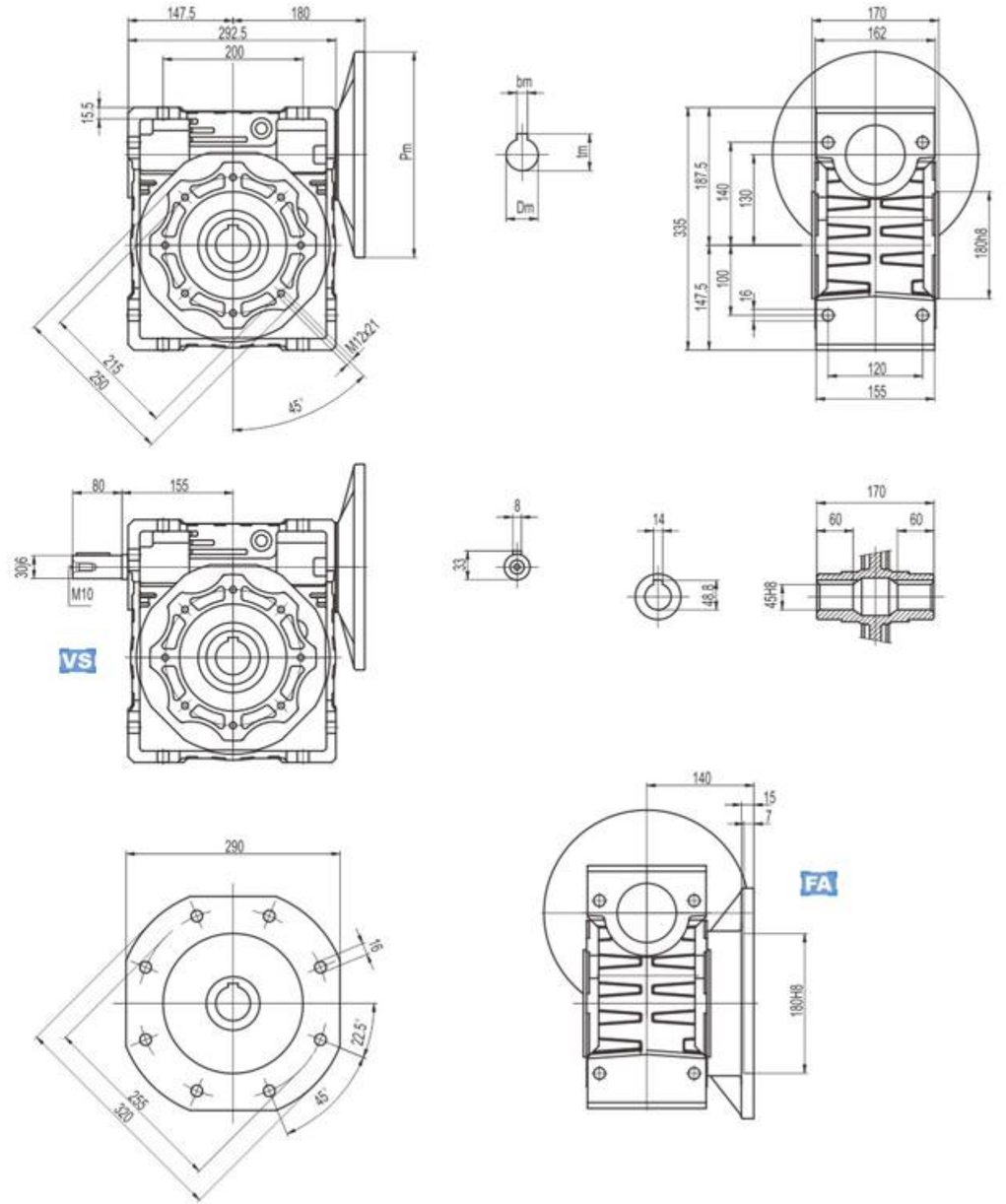
(..)根据用户要求定制
* 不带电机重量为:13kg
* 输入尺寸 (Pm, Dm, bm, tm)
(..)Only on request
* Weight without motor:13kg
* input size (Pm, Dm, bm, tm)

减速机外形尺寸 Dimensions NMRV110



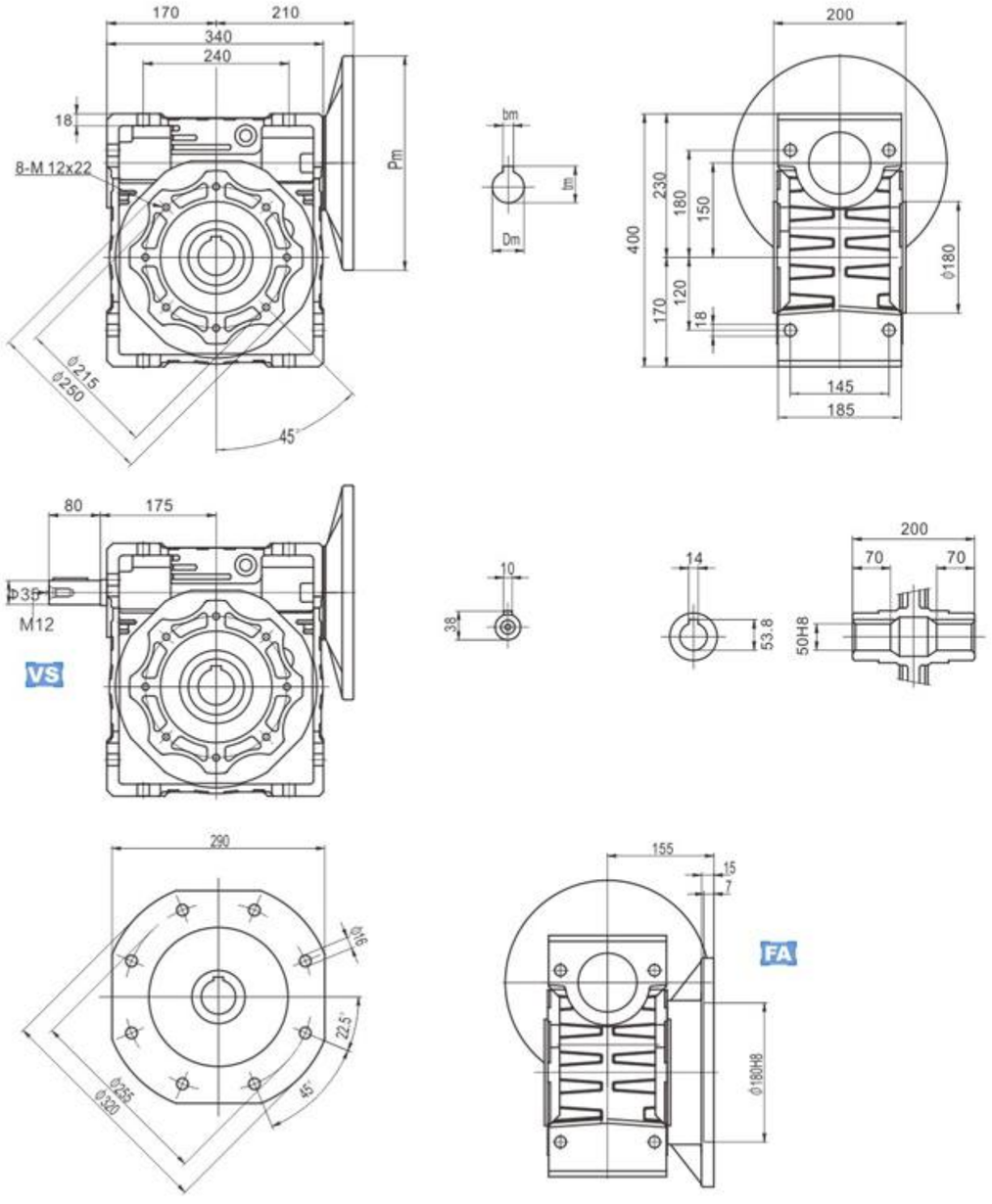
* 不带电机重量为 : 35kg
* 输入尺寸（ Pm,Dm,bm,tm ）
* Weight without motor: 35kg
* input size (Pm,Dm,bm,tm)

减速机外形尺寸 Dimensions NMRV130



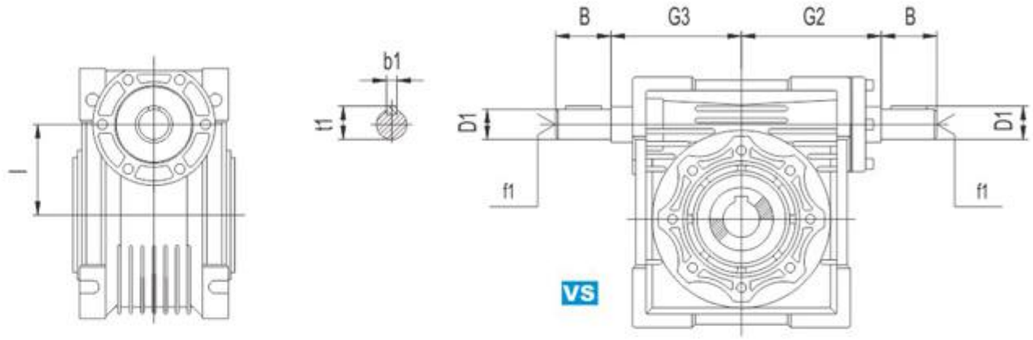
* 不带电机重量为 : 48kg
* 输入尺寸（ Pm,Dm,bm,tm ）
* Weight without motor: 48kg
* input size (Pm,Dm,bm,tm)

减速机外形尺寸 Dimensions NMRV150



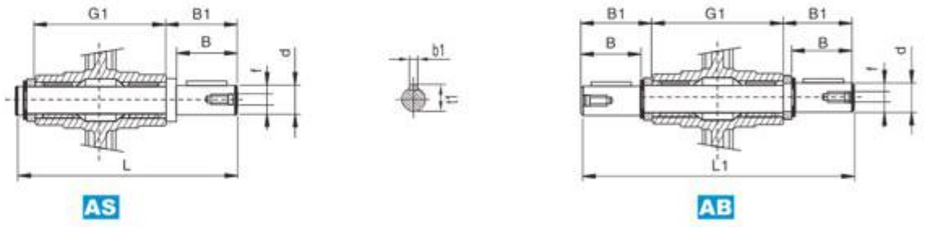
* 不带电机重量为 : 87.8kg
* 输入尺寸（ Pm,Dm,bm,tm ）
* Weight without motor: 87.8kg
* input size (Pm,Dm,bm,tm)

NMRV外形尺寸 Dimension



NMRV	G2	G3	D1	B	F1	I	b1	t1
025	38	37	9j6	20	–	25	3	10.2
030	51	45	9j6	20	–	30	3	10.2
040	60	53	11j6	23	–	40	4	12.5
050	74	64	14j6	30	M6	50	5	16
063	90	75	19j6	40	M6	63	6	21.5
075	105	90	24j6	50	M8	75	8	27
090	125	108	24j6	50	M8	90	8	27
110	142	135	28j6	60	M10	110	8	31
130	162	155	30j6	80	M10	130	8	33
150	195	175	35j6	80	M12	150	10	38

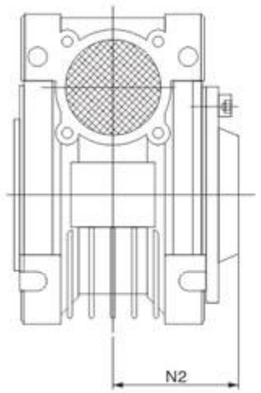
低速轴尺寸 Low Speed Shafts Dimension



	d	B	B1	G1	L	L1	f	b1	t1
025	11g6 (9)	23 (25)	25. 5 (30)	50	81 (85. 5)	101	-	4 (3)	12. 5 (10. 2)
030	14g6	30	32. 5	63	102	128	M6	5	16
040	18h6	40	43	78	128	164	M6	6	20. 5
050	25h6	50	53. 5	92	153	199	M10	8	28
063	25h6	50	53. 5	112	173	219	M10	8	28
075	28h6	60	63. 5	120	192	247	M10	8	31
090	35h6	80	84. 5	140	234	309	M12	10	38
110	42h6	80	84. 5	155	249	324	M16	12	45
130	45h6	80	85	170	265	340	M16	14	48. 5
150	50h6	82	87	200	297	374	M16	14	53.5

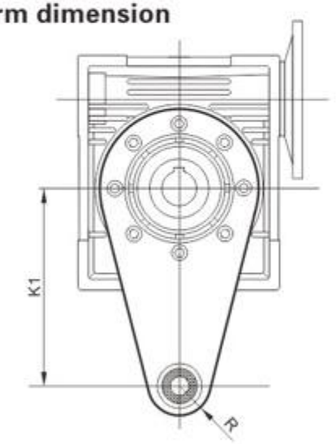
注：输出轴可按用户要求定制 Only on request

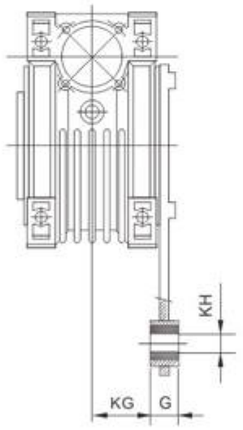
外罩 Cover



	N2
030	42
040	50
050	58
063	69
075	74
090	86
110	94
130	102
150	117

转矩臂尺寸 Torque arm dimension

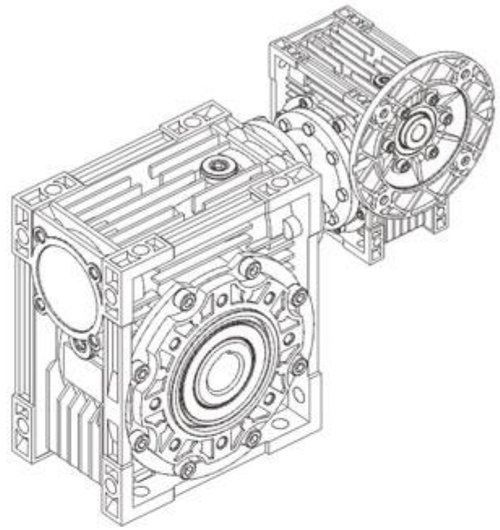




	K1	G	KG	KH	R
025	70	14	17. 5	8	15
030	85	14	24	8	15
040	100	14	31. 5	10	18
050	100	14	38. 5	10	18
063	150	14	49	10	18
075	200	25	47. 5	20	30
090	200	25	57. 5	20	30
110	250	30	62	25	35
130	250	30	69	25	35
150	250	30	84	25	35

动力无极限 传动更精彩 Power has no limits drive more wonderful
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

NMRV–NMRV

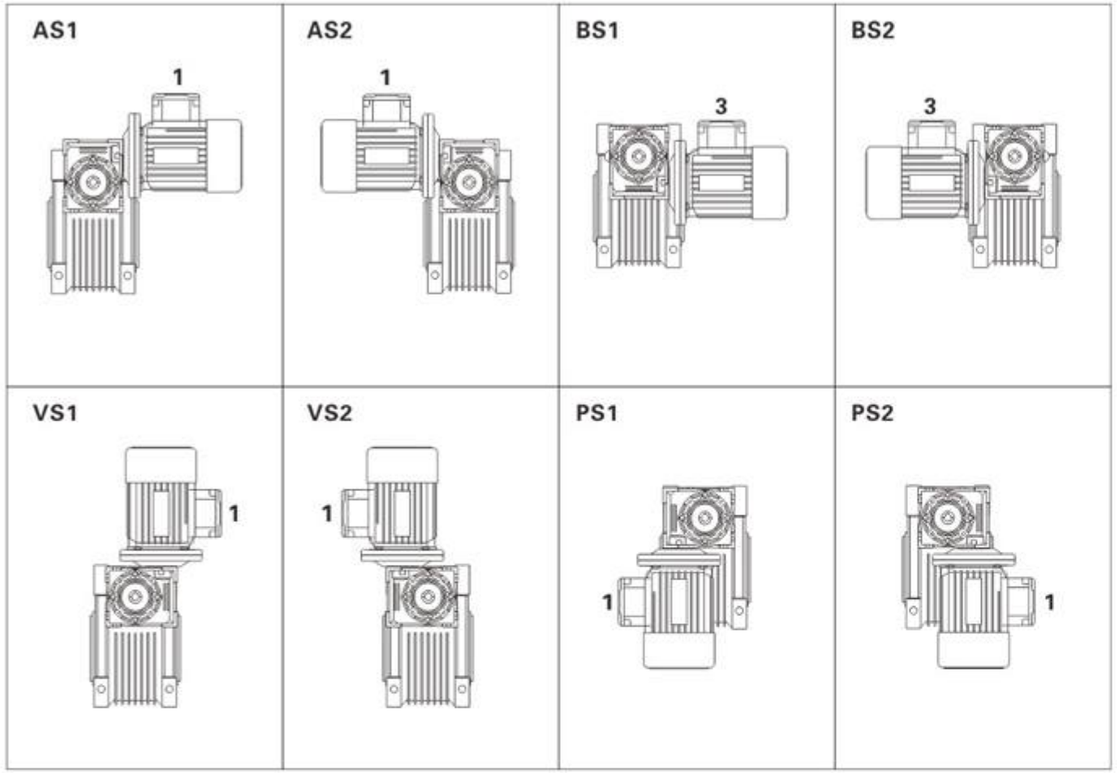


NMRV–NMRV型号说明 How to order

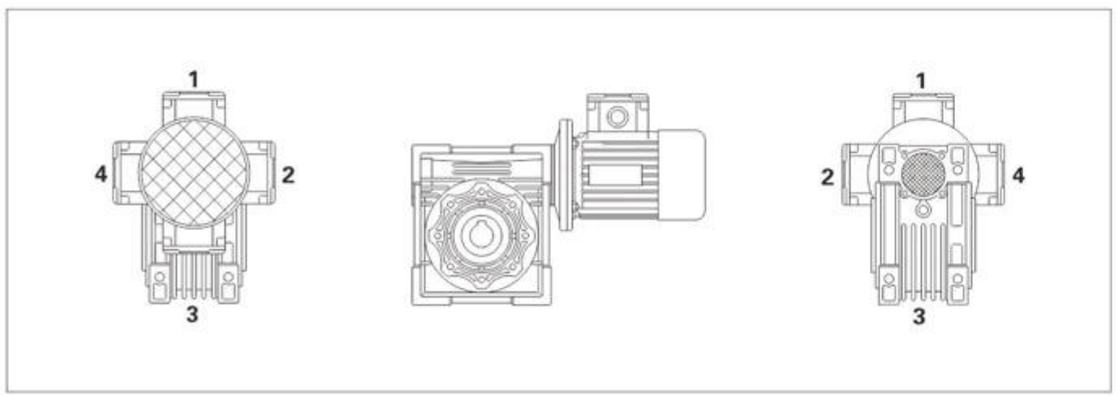
类型 Type	减速比 Ratio	双向输入轴 Double input shaft	输出法兰 Output flange	输出轴 Output shaft	输入法兰 Input flange	安装方位 Mounting position
NMRV040/090	- 500	- VS	- FA1	- ASR	- 71B5	- AS1

- NMRV040/090 — 蜗杆减速机类型 / Worm gearbox type
  - NMRV=NMRV+NMRV带电机接口蜗杆减速机
  - NMRV=NMRV+NMRV Worm–gear unit with IEC moto interface
  - NMRV=NMRV+NMRV带输入蜗杆减速机
  - NMRV=NMRV+NMRV Worm speed reducer with solid input shaft
- 040/090 — 减速机尺寸 (中心距) / Gearbox size (Central distance)
  025/030–063/150
- 500 — 减速比 / Reduction ratio
  300, 400, 500, 600.....
- VS - FA1 - ASR - 71B5 ——.....(选项)
  (Options)
- AS1 — 安装方位 / Mounting position
  AS1, AS2, BS1, BS2,
  VS1, VS2, PS1, PS2,

NMRV-NMRV安装方位 Mounting Positions



接线盒安装方式 Position Of Terminal Box



选型参数 Parameter Selections

NMRV+NMRV双级减速机(法兰输入，输入转速1400r/min)/(配4极电机)
Double step reducer (flange input, input speed is 1400r/min)/(matched with 4 poles motor)

组合机型 Model	输出转速 N2(r/min)	输出转矩 M2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
	0.06kw						
25/30	14	25	100	10	10	1.62	1.3
	9.3	32	150	10	15	1.83	0.9
	7.0	41	200	10	20	1.83	0.7
	5.6	44	250	10	25	1.83	0.8
25/40	4.7	59	300	10	30	3.49	1.2
	3.5	71	400	10	40	3.49	0.9
	2.8	82	500	20	25	3.49	0.7
	2.3	101	600	20	30	3.49	0.6
	1.9	116	750	25	30	3.49	0.5
	1.6	143	900	30	30	3.49	0.5
	1.2	171	1200	30	40	3.49	0.4
	0.9	197	1500	50	30	3.49	0.3
	0.8	217	1800	60	30	3.49	0.3
	0.6	268	2400	60	40	3.49	0.2
	0.5	324	3000	60	50	3.49	0.2
	0.4	294	4000	50	80	3.49	0.1
	0.3	356	5000	50	100	3.49	0.1
30/40	4.7	57	300	10	30	3.49	1.3
	3.5	70	400	10	40	3.49	0.9
	2.8	96	500	20	25	3.49	0.6
	2.3	104	600	20	30	3.49	0.7
	1.9	121	750	25	30	3.49	0.6
	1.6	139	900	30	30	3.49	0.5
	1.2	166	1200	30	40	3.49	0.4
	0.9	196	1500	50	30	3.49	0.4
	0.8	218	1800	60	30	3.49	0.3
	0.58	261	2400	60	40	3.49	0.2
	0.4	300	3200	80	40	3.49	0.2
	0.4	279	4000	50	80	3.49	0.1
	0.28	338	5000	50	100	3.49	0.1
30/50	1.6	141	900	30	30	4.84	1.0
	1.2	169	1200	30	400	4.84	0.7
	0.93	199	1500	50	30	4.84	0.7
	0.78	222	1800	60	30	4.84	0.7
	0.6	266	2400	60	40	4.84	0.5
	0.5	307	3000	60	50	4.84	0.4
	0.35	288	4000	50	80	4.84	0.3
	0.29	311	4800	60	80	4.84	0.3
30/63	0.9	203	1500	30	50	6.27	1.1
	0.78	225	1800	30	60	6.27	0.9
	0.58	276	2400	60	40	6.27	0.8
	0.47	319	3000	60	50	6.27	0.7
	0.35	306	4000	50	80	6.27	0.6
	0.28	360	5000	50	100	6.27	0.4

组合机型 Model	输出转速 N2(r/min)	输出转矩 M2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
	0.06kw						
40/75	0.6	330	2400	60	40	7.38	1.1
	0.47	377	3000	60	50	7.38	0.8
	0.35	355	4000	50	80	7.38	0.7
	0.28	419	5000	50	100	7.38	0.5
40/90	0.5	405	3000	60	50	8.18	1.4
	0.35	365	4000	50	80	8.18	1.3
	0.28	431	5000	50	100	8.18	1.0
	0.09kw						
25/30	14	37	100	10	10	1.62	0.8
	9.3	49	150	10	15	1.83	0.6
	7.0	62	200	10	20	1.83	0.5
	5.6	66	250	10	25	1.83	0.5
	4.7	75	300	10	30	1.83	0.4
	3.5	107	400	10	40	1.83	0.3
	2.8	115	500	20	25	1.83	0.2
	2.3	135	600	20	30	1.83	0.2
	1.9	151	750	25	30	1.83	0.2
	1.6	178	900	30	30	1.83	0.2
	1.2	212	1200	30	40	1.83	0.1
	0.9	247	1500	50	30	1.83	0.1
	0.78	304	1800	60	30	1.83	0.1
	0.58	340	2400	60	40	1.83	0.1
	0.47	405	3000	60	50	1.83	0.1
30/40	4.7	87	300	10	30	3.49	0.8
30/50	3.5	106	400	10	40	4.84	1.2
	2.8	123	500	10	50	4.84	1.0
	2.3	159	600	20	30	4.84	0.9
	1.9	185	750	25	30	4.84	0.8
	1.6	212	900	30	30	4.84	0.7
30/63	1.6	200	900	15	60	6.27	1.0
	1.2	263	1200	30	40	6.27	0.9
	0.93	305	1500	30	50	6.27	0.7
40/75	0.9	359	1500	50	30	7.38	1.1
	0.78	404	1800	60	30	7.38	1.0
	0.58	496	2400	60	40	7.38	0.7
40/90	0.5	608	3000	60	50	8.18	0.9
	0.35	548	4000	50	80	8.18	0.8
	0.12kw						
30/50	4.7	118	300	10	30	4.84	1.2
	3.5	142	400	10	40	4.84	0.9
	2.8	164	500	10	50	4.84	0.7
30/63	2.8	171	500	10	50	6.27	1.3
	2.3	208	600	15	40	6.27	1.1
	1.9	241	750	15	50	6.27	0.9

组合机型 Model	输出转速 N2(r/min)	输出转矩 M2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
0.12kw							
40/75	1.6	324	900	30	30	7.38	1.2
	1.2	399	1200	30	40	7.38	0.9
40/90	0.78	546	1800	30	60	8.18	0.9
	0.58	695	2400	60	40	8.18	0.9
50/110	0.5	883	3000	60	50	10.32	1.2
	0.35	784	4000	50	80	10.32	1.0
	0.28	928	5000	50	100	10.32	0.8
0.18kw							
30/63	3.5	221	400	10	40	6.27	1.0
	2.8	257	500	10	50	6.27	0.8
40/75	2.3	362	600	20	30	7.38	1.1
	1.9	435	750	25	30	7.38	0.9
	1.6	487	900	30	30	7.38	0.8
40/90	1.2	629	1200	30	40	8.18	1.0
	0.93	735	1500	30	50	8.18	0.8
50/110	0.8	860	1800	60	30	10.32	1.5
	0.58	1113	2400	60	40	10.32	1.1
0.25kw							
30/63	3.5	159	400	10	40	6.27	1.4
	2.8	185	500	10	50	6.27	1.2
40/75	3.5	336	400	10	40	7.38	1.1
	2.8	384	500	10	50	7.38	0.8
40/90	2.3	511	600	15	40	8.18	1.2
	1.9	598	750	15	50	8.18	0.9
	1.6	667	900	15	60	8.18	0.8
50/110	1.2	943	1200	30	40	10.32	1.3
	0.93	1064	1500	50	30	10.32	1.2
	0.78	1195	1800	60	30	10.32	1.1
63/130	0.6	1624	2400	60	40	13.5	1.0
	0.47	1935	3000	60	50	13.5	0.8
	0.35	2046	4000	50	80	13.5	0.6
	0.28	2430	5000	50	100	13.5	0.5
63/150	0.8	1199	1800	60	30	18	1.8
	0.8	1199	1800	60	30	18	1.8
	0.6	1446	2400	60	40	18	1.8
	0.5	1713	3000	60	50	18	1.4
	0.4	2026	4000	50	80	18	0.9
	0.3	2251	5000	50	100	18	0.7
0.37kw							
40/75	4.7	405	300	10	30	7.38	1.0
	3.5	498	400	10	40	7.38	0.7
40/90	4.7	401	300	7.5	40	8.18	1.5
	3.5	523	400	10	40	8.18	1.2
	2.8	611	500	10	50	8.18	0.9
	2.3	757	600	15	40	8.18	0.8
50/110	1.9	949	750	25	30	10.32	1.3
	1.6	1079	900	30	30	10.32	1.2
	1.2	1396	1200	30	40	10.32	0.8
63/130	0.9	1674	1500	50	30	13.5	1.1

组合机型 Model	输出转速 N2(r/min)	输出转矩 M2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
0.37kw							
63/130	0.78	1887	1800	60	30	13.5	0.9
63/150	0.78	1774	1800	60	30	18	1.2
	0.6	2141	2400	60	40	18	1.2
	0.5	2535	3000	60	50	18	0.9
0.55kw							
50/110	4.7	638	300	10	30	10.32	2.0
	3.5	826	400	10	40	10.32	1.4
	2.8	984	500	10	50	10.32	1.1
	2.3	1181	600	15	40	10.32	1.0
	1.9	1411	750	25	30	10.32	0.9
63/130	2.8	995	500	10	50	13.5	1.6
	1.9	1471	750	25	30	13.5	1.2
	1.2	2132	1200	30	40	13.5	0.8
63/150	0.78	2637	1800	60	30	18	0.8
	0.6	3182	240	60	40	18	0.8
0.75kw							
50/110	4.7	871	300	10	30	10.32	1.5
	3.5	1126	400	10	40	10.32	1.1
63/130	2.8	1357	500	10	50	13.5	1.1
	2.3	1631	600	15	40	13.5	1.0
	1.9	2005	750	25	30	13.5	0.9
	1.6	2283	900	30	30	13.5	0.8
63/150	2.8	1290	500	10	50	18	1.8
	2.3	1529	600	15	40	18	1.7
	1.9	1783	750	25	30	18	1.3
	1.6	2215	900	30	30	18	0.9
	1.2	2680	1200	30	40	18	1.0
1.1kw							
63/130	4.7	1312	300	10	30	13.5	1.3
	3.5	1671	400	10	40	13.5	1.0
	2.8	1991	500	10	50	13.5	0.8
63/150	9.3	752	150	10	15	18	3.1
	7.0	966	200	10	20	18	2.4
	5.6	1175	250	10	25	18	1.7
	4.7	1364	300	10	30	18	1.7
	3.5	1619	400	10	40	18	1.6
	2.8	1893	500	10	50	18	1.2
	2.3	2242	600	15	40	18	1.2
	1.9	2616	750	25	30	18	0.9
1.5kw							
63/130	4.7	1789	300	10	30	13.5	1.0
	3.5	2279	400	10	40	13.5	0.7
63/150	9.3	1026	150	10	15	18	2.3
	7	1317	200	10	20	18	1.8
	5.6	1602	250	10	25	18	1.3
	4.7	1860	300	10	30	18	1.3
	3.5	2208	400	10	40	18	1.2
	2.8	2582	500	10	50	18	0.9
	2.3	3057	600	15	40	18	0.9

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NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

NMRV+NMRV双级减速机(轴伸输入，输入转速1400r/min)/(配4极电机)
Double step reducer (shaft extend input, input speed is 1400r/min)/(matched with 4 poles motor)

机型代号 Model	输入轴功率 kW	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输入轴径向力 kN
30/40	0.1	4.7	73	300	3.49	0.21
	0.1	3.5	65	400	3.49	0.21
	0.08	2.8	61	500	3.49	0.21
	0.06	2.3	73	600	3.49	0.21
	0.04	1.9	73	750	3.49	0.21
	0.03	0.6	73	900	3.49	0.21
	0.02	1.2	65	1200	3.49	0.21
	0.02	0.9	73	1500	3.49	0.21
	0.02	0.8	73	1800	3.49	0.21
	0.01	0.58	65	2400	3.49	0.21
	0.01	0.4	65	3200	3.49	0.21
	0.01	0.35	33	4000	3.49	0.21
	0.01	0.28	29	5000	3.49	0.21
30/50	0.15	4.7	145	300	4.84	0.21
	0.1	3.5	124	400	4.84	0.21
	0.1	2.8	120	500	4.84	0.21
	0.1	2.3	145	600	4.84	0.21
	0.1	1.9	145	750	4.84	0.21
	0.1	1.6	145	900	4.84	0.21
	0.08	1.2	124	1200	4.84	0.21
	0.06	0.93	145	1500	4.84	0.21
	0.04	0.78	145	1800	4.84	0.21
	0.03	0.6	124	2400	4.84	0.21
	0.02	0.5	120	3000	4.84	0.21
	0.02	0.35	82	4000	4.84	0.21
	0.02	0.29	82	4800	4.84	0.21
30/63	0.24	4.7	230	300	6.27	0.21
	0.2	3.5	230	400	6.27	0.21
	0.2	2.8	216	500	6.27	0.21
	0.13	2.3	230	600	6.27	0.21
	0.11	1.9	216	750	6.27	0.21
	0.1	1.6	198	900	6.27	0.21
	0.1	1.2	230	1200	6.27	0.21
	0.1	0.93	216	1500	6.27	0.21
	0.1	0.78	198	1800	6.27	0.21
	0.1	0.58	230	2400	6.27	0.21
	0.08	0.47	216	3000	6.27	0.21
	0.06	0.35	172	4000	6.27	0.21
	0.04	0.28	150	5000	6.27	0.21

机型代号 Model	输入轴功率 kW	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输入轴径向力 kN
40/75	0.4	4.7	390	300	7.38	0.35
	0.3	3.5	360	400	7.38	0.35
	0.21	2.8	320	500	7.38	0.35
	0.2	2.3	390	600	7.38	0.35
	0.2	1.9	390	750	7.38	0.35
	0.14	1.6	390	900	7.38	0.35
	0.11	1.2	360	1200	7.38	0.35
	0.1	0.93	390	1500	7.38	0.35
	0.1	0.78	390	1800	7.38	0.35
	0.1	0.58	360	2400	7.38	0.35
	0.1	0.47	320	3000	7.38	0.35
	0.08	0.35	250	4000	7.38	0.35
	0.06	0.28	230	5000	7.38	0.35
40/90	0.6	4.7	610	300	8.18	0.35
	0.43	3.5	610	400	8.18	0.35
	0.34	2.8	560	500	8.18	0.35
	0.3	2.3	610	600	8.18	0.35
	0.23	1.9	560	750	8.18	0.35
	0.2	1.6	505	900	8.18	0.35
	0.2	1.2	610	1200	8.18	0.35
	0.14	0.93	560	1500	8.18	0.35
	0.11	0.78	505	1800	8.18	0.35
	0.11	0.58	610	2400	8.18	0.35
	0.1	0.47	560	3000	8.18	0.35
	0.1	0.35	460	400	8.18	0.35
	0.1	0.28	410	5000	8.18	0.35
50/110	1.1	4.7	1265	300	10.32	0.49
	0.8	3.5	1185	400	10.32	0.49
	0.61	2.8	1100	500	10.32	0.49
	0.6	2.3	1185	600	10.32	0.49
	0.5	1.9	1265	750	10.32	0.49
	0.43	1.6	1265	900	10.32	0.49
	0.31	1.2	1186	1200	10.32	0.49
	0.3	0.93	1265	1500	10.32	0.49
	0.3	0.78	1265	1800	10.32	0.49
	0.2	0.58	1185	2400	10.32	0.49
	0.15	0.47	1100	3000	10.32	0.49
	0.13	0.35	819	4000	10.32	0.49
	0.1	0.28	746	5000	10.32	0.49

机型代号 Model	输入轴功率 kW	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输入轴径向力 kN
63/130	0.8	2.3	1650	600	13.5	0.7
	0.7	1.9	1760	750	13.5	0.7
	0.6	1.6	1760	900	13.5	0.7
	0.4	1.2	1650	1200	13.5	0.7
	0.4	0.93	1760	1500	13.5	0.7
	0.4	0.93	1760	1500	13.5	0.7
	0.3	0.78	1760	1800	13.5	0.7
	0.3	0.58	1650	2400	13.5	0.7
	0.2	0.47	1550	3000	13.5	0.7
	0.1	0.35	1220	4000	13.5	0.7
	0.1	0.28	1100	5000	13.5	0.7

机型代号 Model	输入轴功率 kW	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输入轴径向力 kN
63/150	3.4	9.3	2340	150	18	0.7
	2.7	7.0	2340	200	18	0.7
	1.9	5.6	2050	250	18	0.7
	1.9	4.7	2340	300	18	0.7
	1.8	3.5	2670	400	18	0.7
	1.4	2.8	2330	500	18	0.7
	1.3	2.3	2670	600	18	0.7
	1.0	1.9	2330	750	18	0.7
	0.7	1.6	2100	900	18	0.7
	0.7	1.2	2670	1200	18	0.7
	0.4	0.8	2100	1800	18	0.7
	0.5	0.6	2670	2400	18	0.7
	0.3	0.5	2330	3000	18	0.7
	0.2	0.4	1880	4000	18	0.7
	0.2	0.3	1650	5000	18	0.7

蜗轮减速机的工作系数 Service factor

减速机的工作系数(f.s.)主要取决于减速机的运作条件，其决定因素为

1. 减速机的负荷形式：A-B-C
2. 工作时间：小时 / 天(△)
3. 开机频率：次 / 小时(*)

减速机的三种符合形式：

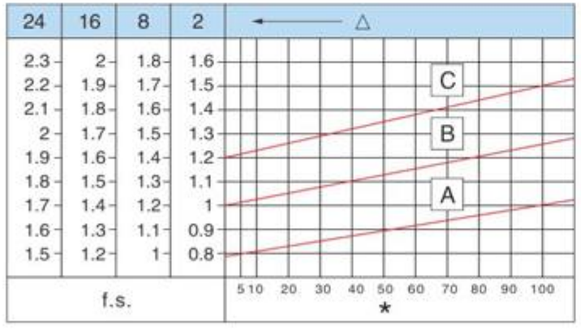
1. A: 均等负荷fa≤0.3
2. B: 中等负荷fa≤0.3
3. C: 重量负荷fa≤10

Fa=Je / Jm

Je(kgm²): 在马达轴上发生衰降的惯性矩

Jm(kgm²): 马达惯性矩

注意：fa > 10时请与技术服务部联系



The service factor(f.s.)depends on the operating conditions the gearbox is subjected to. Folllowing parameters need to be take to select the right service factor.

--type of load of the operating machine A-B-C

--length of daily operating time: hours/day(△)

--start-up frequency: starts/hour (*)

TYPE OF LOAD: A-uniform, fa≤0.3

B-moderate shocks, fa≤3

C-heavy shocks, fa≤10

fa=Jex.Jm

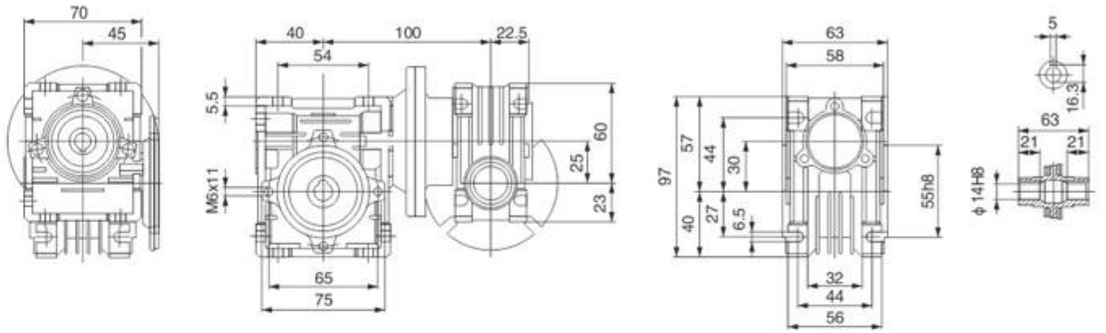
--Jex(kgm²) moment of the external inertia reduced at the drive shaft

--Jm(kgm²) moment of inertia of motor

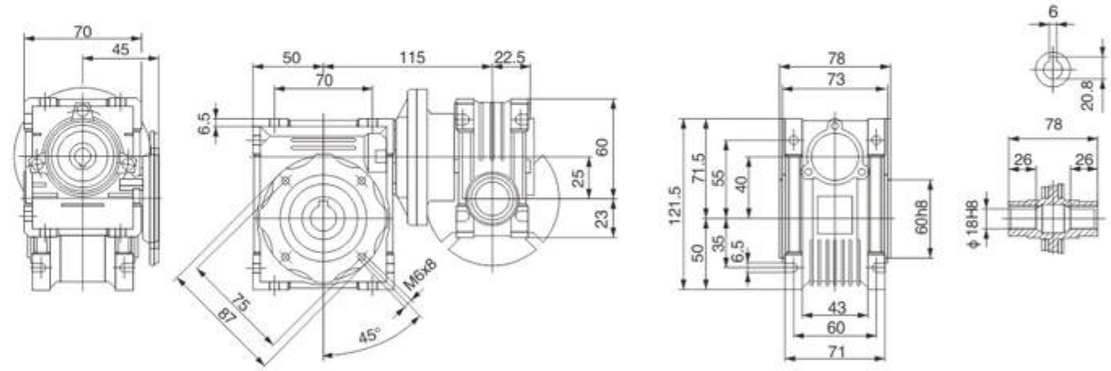
动力无极限 传动更精彩 Power has no limits drive more wonderful
NMRV系列蜗轮蜗杆减速机
NMRV Series Worm Gear Reducer

NMRV-NMRV外形尺寸 Dimensions

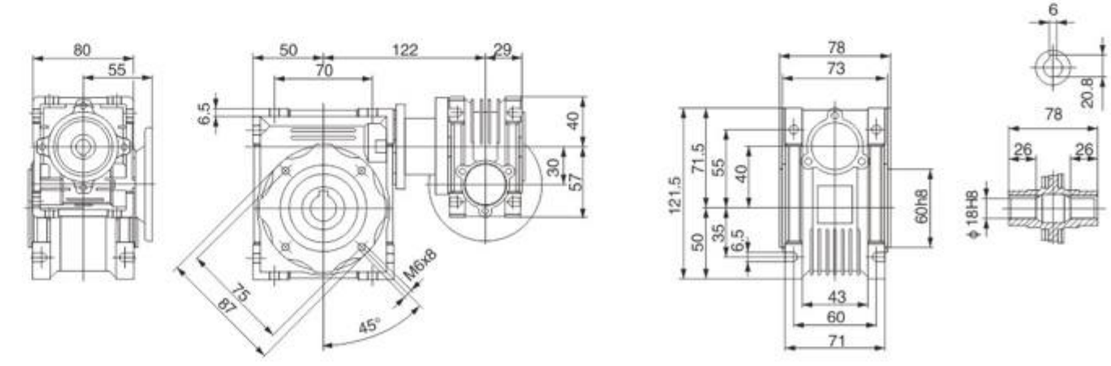
NMRV025-NMRV030



NMRV025-NMRV040

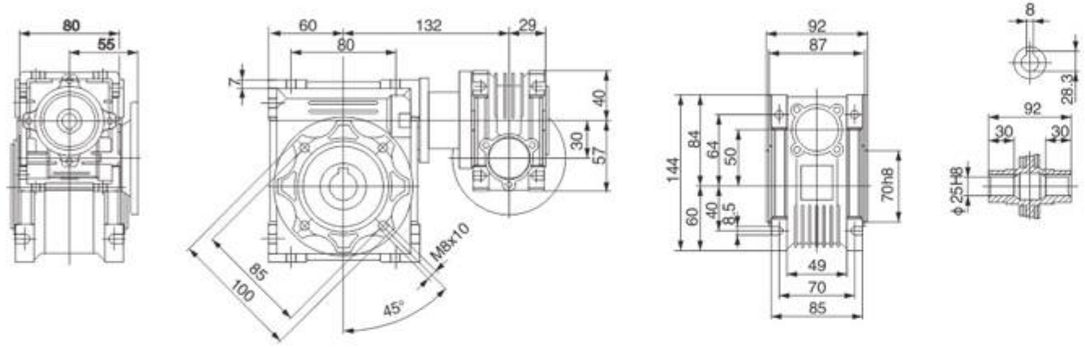


NMRV030-NMRV040



NMRV-NMRV外形尺寸 Dimensions

NMRV030-NMRV050



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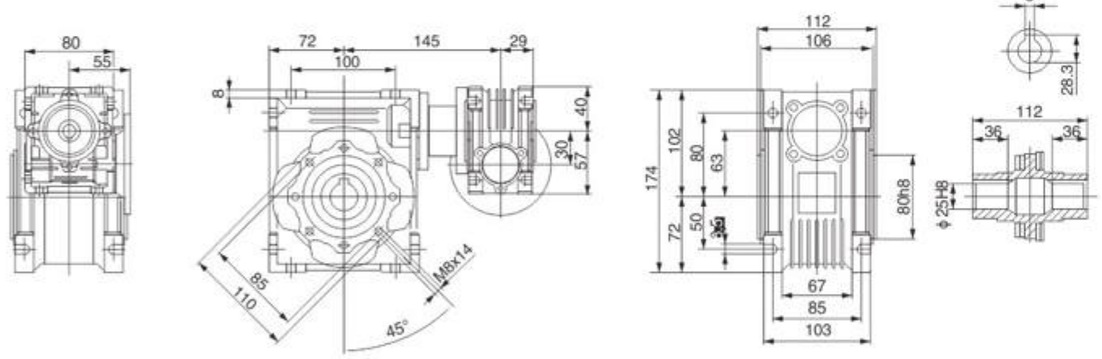
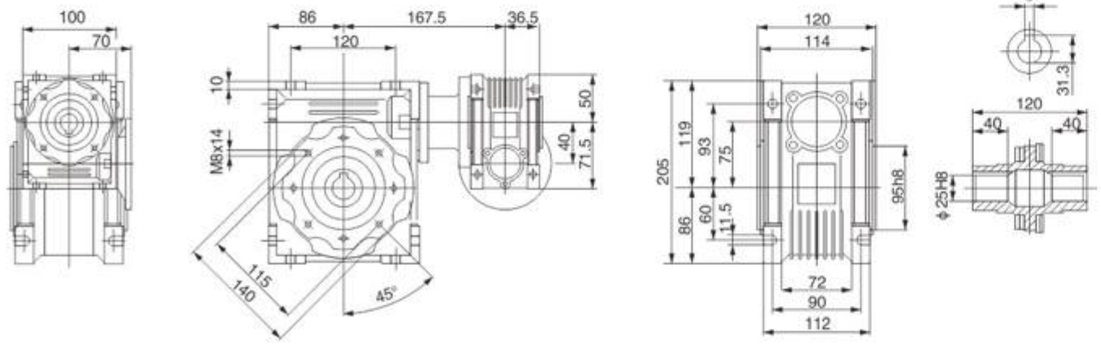
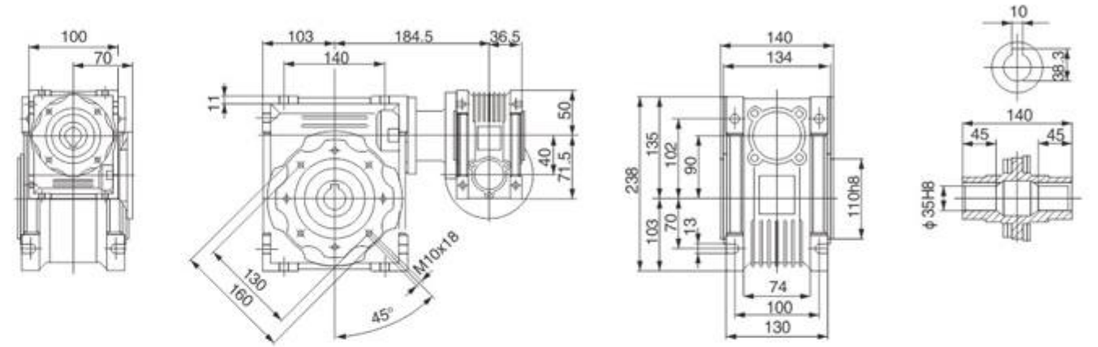


NMRV040-NMRV075

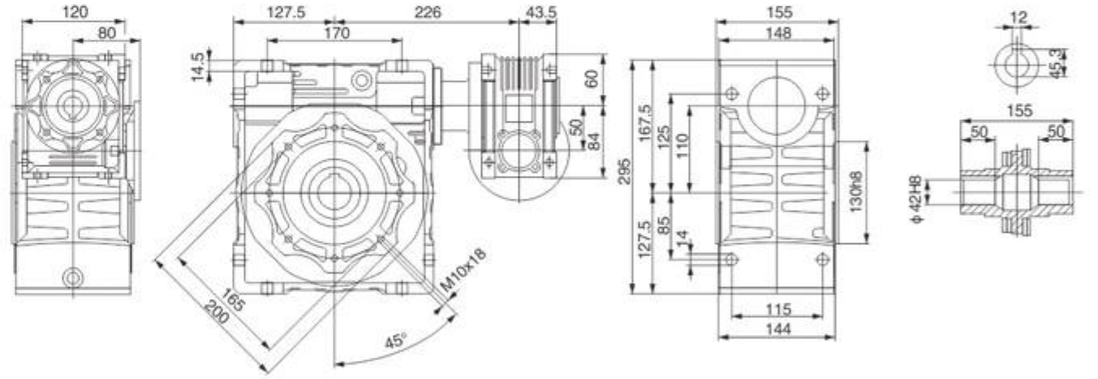


NMRV-NMRV外形尺寸 Dimensions

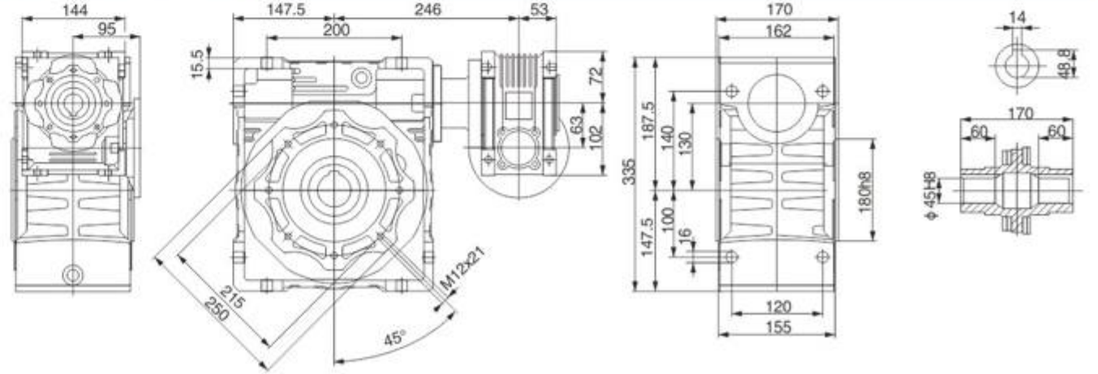
NMRV040-NMRV090



NMRV050-NMRV110

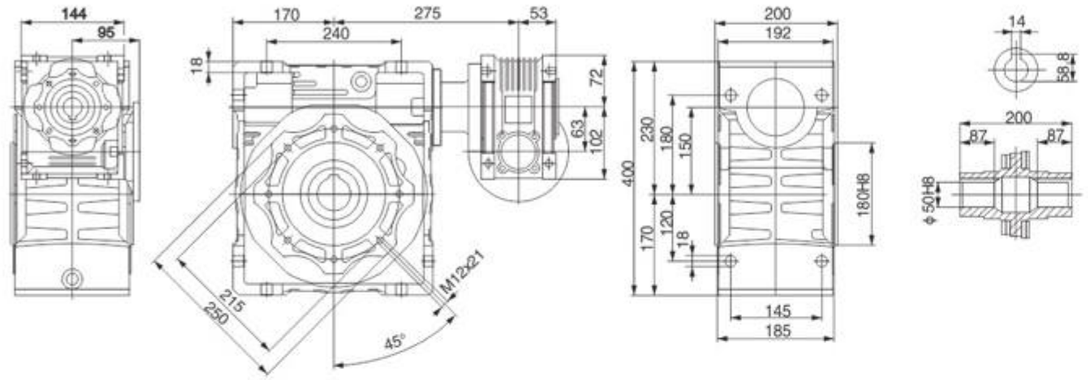


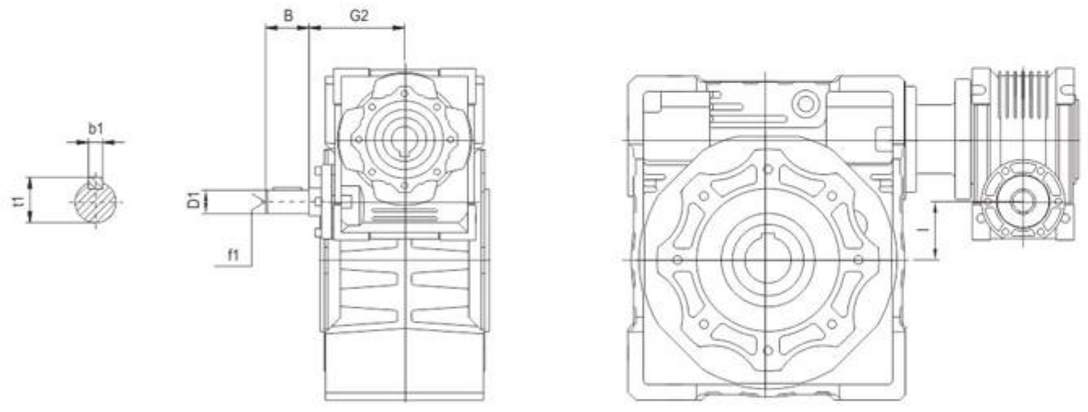
NMRV063-NMRV130



NMRV-NMRV外形尺寸 Dimensions

NMRV063-NMRV150





NMRV-NMRV	030-040	030-050	030-063	040-075	040-090	050-110	063-130	063-150
B	20	20	20	23	23	30	40	40
D1	9 j6	9 j6	9 j6	11 j6	11 j6	14 j6	19 j6	19 j6
G2	51	51	51	60	60	74	90	90
l	10	20	33	33	50	60	67	87
b1	3	3	3	4	4	5	6	6
f1	–	–	–	–	–	M6	M6	M6
t1	10.2	10.2	10.2	12.5	12.5	16	21.5	21.5

油品润滑 Lubricant

润滑油选用表 Lubrication oil chosen table

减速机规格 Reducer size	25~90	110~150	
润滑油类型 Type of lubrication oil	合成润滑油 Synthetic lubrication oil	矿物润滑油 Mineral lubrication oil	
环境温度℃ Ambient temperature	-25~+50	-5~+40	-15~+25
ISO VG	ISO VG 320	ISO VG 460	ISO VG 220
AGIP	TELIUM VSF320	BLASIA 460	BLASIA 220
SHELL	TIVELA S320	TIVELA S460	TIVELA S220
ESSO	S220	SPARTAN EP460	SPARTAN EP220
MOBIL	GLYGOYLE HE320	MOBIL GEAR 630xP	MOBIL GEAR 630xP
CASTROL	ALPHA SYN PG320	ALPHA MAX 460	ALPHA MAX 200
BP	ENERGOL SG-XP320	ENERGOL GR-XP460	ENERGOL GR-XP220

润滑油注油量（L） Adding capacity of lubrication oil

安装型式 Installation \ 规格 Type	25	30	40	50	63	75	90	110	130	150
B3	0.02	0.01	0.08	0.15	0.3	0.55	1	3	4.5	7
B6 B7								2.5	3.5	5.4
B8								2.2	3.3	5.1
V5								3	4.5	7
V6								2.2	3.3	5.1

一般故障及排除方法 Solution and reasons for the general faults of reducer

故障情况 Fault Descripiton	故障原因 Reasons	解决办法 Solutions
过热 Overheating	原动机、减速机、工作机连接不当 Improper connection among prime mover,reducer and the operation device	调整至适当位置，使三者相联轴线同轴 Adjust to proper position
	超负荷运转 Overloading	适当调整负荷 Adjust to proper load
	油封过度磨擦 Over friction of oil seals	在油封唇口处滴润滑油 Drop lubricant at oil seal
	☆润滑油过少或过多 ☆Lubricant oil overmuch or shortage	按注油方式或调整油量 Adjust to proper oil quantity as lubricant capacity table
	☆润滑油杂质多或润滑性差 ☆Much impurity in oil or inferior oil	按润滑油选用表更换合适新油 Refill proper oil
振动 Vibration	原动机、减速机、工作机固定不良 Prime mover, reducer and the operation device mount badly	查出固定不良部位，正确固紧 Find out the bad place,tighten it
	蜗轮副齿部磨耗或损伤 Tooth surface of worm gear sets worn-out or damaged	更换蜗轮副(需要时本公司配合) Replace worm gear sets(we will cooperate with you when necessary)
	轴承磨损 Bearing worn-out	更换轴承 Replace Bearing
	螺栓松脱 Bolt loose	固紧螺栓 Tighten Screw
杂音 Noise	原动机与减速机连接不当 Improper connection among prime mover,reducer and the operation device	原动机重新调整连接 Adjust to proper position
	轴承损伤或间隙过大 Bearing damaged or too large clearance	更换轴承 Replace Bearing
	蜗轮副啮合不良 Worm gear sets mesh badly	修整齿面或更换蜗轮副(请与本公司联系) Mend tooth surface or replace worm gear sets (please contact to us)
	☆润滑油不足 ☆Lubricant oil shortage	按注油方式或补加润滑油 Fill in adequate oil as lubricant capacity table
漏油 Oil leakage	油封唇口磨损 Oil seal lip worn-out	更换油封 Replace oil seal
	油封档轴颈磨损 Shaft of oil seal area worn-out	更换输入轴或带轮轴蜗轮 Replace input or output shaft with worm gear
	放油螺塞未旋紧 Oil screw plug loose	螺纹处加密封胶、旋紧螺塞 Tighten oil screw plug
	油标破损 Oilgauge damaged	更换油标 Replace oil gauge
蜗轮副齿面 磨损过快 Tooth surface of worm gear sets abrade extra-quickly	超负荷运转 Overload	调整至适当负荷 Adjust to proper loading
	☆润滑油不符合要求 ☆Lubricant oil not according with requirement	更换合适的润滑油 Replace proper lubricant oil
	☆润滑油不足 ☆Lubricant oil shortage	按油标指示点加足润滑油 Fill adequate oil as indication
	未按规定适时换油，润滑油劣化 Not replacing lubricant oil in time according to requirement, oil deteriorates	按规定要求适时换油 Replacing oil in time according to requirement
	运转温度过高 Overheating while running	1.按“过热”故障处理 2.采取合适措施，降低环境温度 1. Deal with it as "Overheating" 2. Adopting proper measures to make environment temperature fall

注：1.☆为换油后出现的故障原因。
2.如果发生其他故障无法解决时，请随时与我们联系，以便提供咨询服务。
Annotale: 1.☆Accored after the lubricant changed.
2. If other faults not listed above occur, Please contact with us at any moment, Our company will supply thorough consultation and service.

安装注意事项

--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，应对机件表面做适当润滑，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。(透气栓应向上)
--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：安装 于B5，B14
--检查轴与电机法兰之公差是否符合基本标准。
--清洗轴、中心孔和法兰表面的污迹及油漆。
--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。
--开机时应分级起动，不能满负荷起动。
--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。

Installation notes

--The mounting on the machine must be stable to avoid any vibration.
--Check the correct direction of rotation of the reduction unit output shaft before fitting the unit to the machine.
--In the case of particularly lengthy of periods of storage (4-6 months) if the oil seal is not immersed in the lubricant inside recommended to change it since the rubber could stick to the shaft or even has lost the elasticity it needs to function prober.
--For a shaft mounting, for reduction units with a hollow output shafts, use the torque arms motionclinic can supply. If it is make sure that the constraint is axially free and with such as play as to ensure free move ment to the reduction unit.
--Whenever possible, protect the reduction unit against solar radiation and bad weather.
--Ensure the motor cools correctly by assuring good passage of air from the fan side.
--In the case of ambient temperatures <-5℃ and>+4O℃ Contact motion clinic.
--The various parts (pulleys, gear wheels, couplings, shafts, etc.) must be mounted on the solid or hollow shafts using special holes or other systems that anyhow ensure correct operation wtihout risking damage to the bearings or external parts of the uni
--Painting must definitely not go over rubber parts and the holes on the breather plugs, if there are any.
--Taking out the seal embolism of the oilhole.
--Check the height of the oil level.
--Supposing the gear unit have not coupled with the motor, please pay attention to the following items to make sure rightly connection.Mounting to B5, B14
--Check whether the tolerance between the shaft and motor flange fit for the essential standard.
--Washing the dirt and the paint on the surfaces of the shaft, center bore and the flange.
--Mounting avoid the gear unit incur strength .
--Check the position and the deviation of the motor keyslot.
--Lubricate the surfaces in contact to avoid seizure or oxidation.
--Starting must take place gradually, without immediately applying the maximum load.
--When there are parts objects or materials under the motor drive that can be damaged by even limited spillage of oil, special should be fitted.

基本色　辅助色1　辅助色2　辅助色3

产品标准颜色（由于印刷原因，颜色与实物可能有差异）

单级减速机
SINGLE SPEED REDUCER
速比1/5-1/60

动力无极限 传动更精彩 Power has no limits drive more wonderful
WP系列蜗轮蜗杆减速机
WP Series Worm Gear Reducer

产品介绍 PRODUCT GUIDE

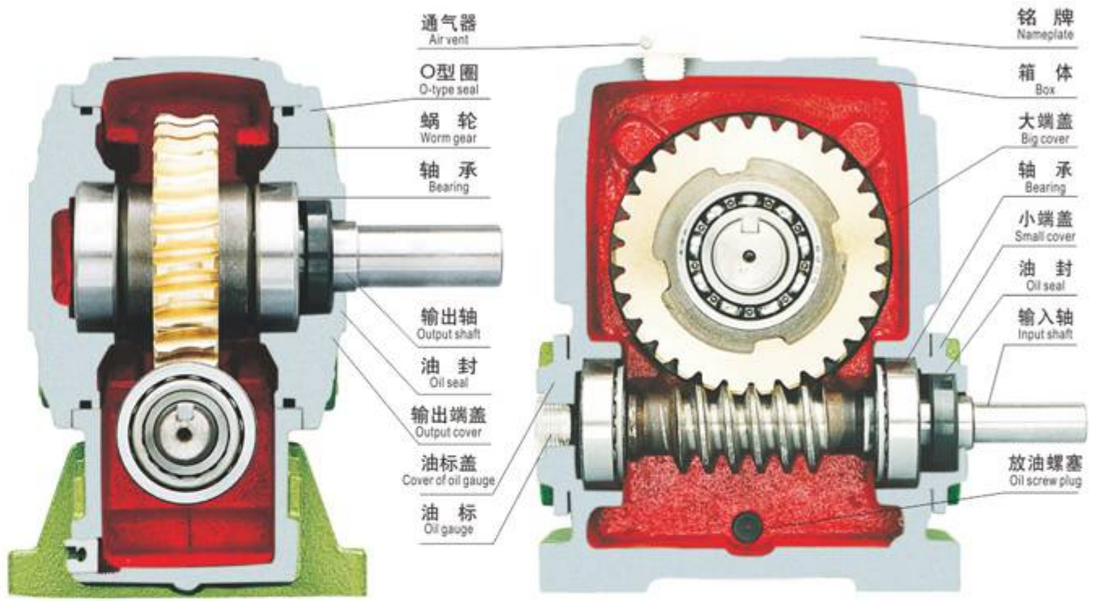
万能型减速机
UNIVERSAL SPEED REDUCER
速比1/5-1/60

产品介绍 PRODUCT GUIDE

双级减速机
DOUBLE SPEED REDUCER
速比1/100-1/3600

WPEA 	WPEDA 	WPEKA 	WPEDKA 	WPEO 	WPEDO 
WPES 	WPEDS 	WPEKS 	WPEDKS 	WPEX 	WPEDX 
WPWE 	WPWED 	WPWEKO 	WPWEDKO 	WPEEA 	WPEEDO 
WPWEA 	WPWEO 	WPWEKA 	WPWEDA 	WPWEDO 	WPWEDKA 
WPWEK 	WPWEDK 	AS 	TV 	OX 	

产品结构图 Product structural drawing



型号及表示法 Model and strure table

W	P	W	E	D	K	A	50-80	—	600	—	B
1	2	3	4	5	6	7	8		9		10

1 产品名称
W—蜗杆减速机
Product name
W-worm speed reduce

2 箱体结构
P-整体
D-分体
Box structure
P-whole
D-separate

3 箱体形式
W-万能型
无代码-基本型
Box model
W-universal
Non-code-basic

4 整体结构
E-双级
EE-多级
无代码-基本型
Unit sture
E-double
EE-multistage
Non-code-basic

5 输入轴联接方式
D-带电机法兰
无代码-基本型
Connector of input shaft
D-with motor flange
Non-code-basic

6 输出轴结构
K-中空输出轴
无代码-基本型
Structure of output shaft
K-hollow
Non-code-basic

7 输出、输入轴置式
A-入轴在下 S-入轴在上
O-出轴向上 X-出轴向下
T-入轴向上 V-入轴向下
无代码-基本型
Arrangment of input or output shaft
A-input shaft is below
S-input shaft is above
O-output shaft is upward
X-output shaft is downward
T-input shaft is upward
V-input shaft is downward
Non-code-universal

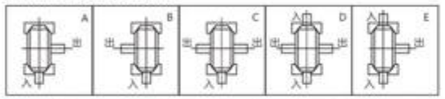
8 中心距
50-80
Center distance
50-80

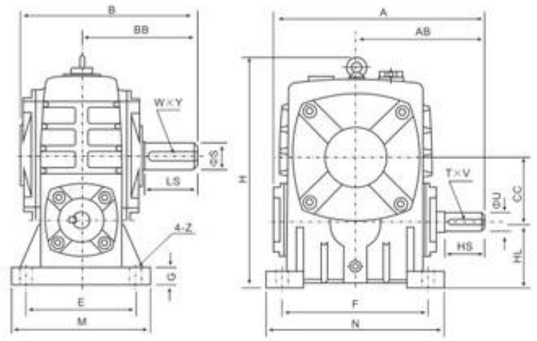
9 传动比
600
Ratio
600

10 轴指向
B
Shaft direction
B

WPA

轴指向表示
SHAFT DIRECTION

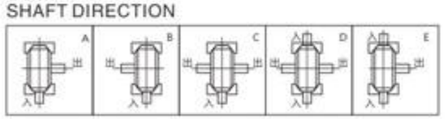


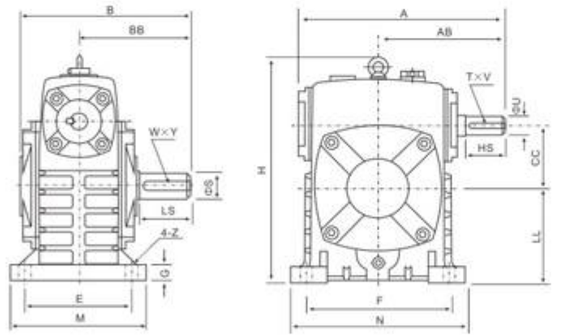


型号 size	传动比 ratio	A	AB	B	BB	CC	H	HL	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	油量 (L)
															HS	U	T×V	LS	S	W×Y		
40	5 10 15 20 25 30 40 50 60 70 80 100	143	87	114	74	40	138	40	90	100	70	80	13	10	25	12	4×2.5	28	14	5×3	4	0.13
50		175	107	150	97	50	173	50	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7	0.17
60		198	122	168	112	60	204	60	130	150	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.22
70		231	140	194	131	70	236	70	150	190	115	150	20	15	40	18	6×3.5	60	28	8×4	15	0.60
80		261	160	214	142	80	268	80	170	220	135	180	20	15	50	22	6×3.5	65	32	10×5	20	0.85
100		322	190	254	169	100	329	100	190	270	155	220	25	15	50	25	8×4	75	38	10×5	35	1.50
120		381	229	282	190	120	430	120	230	320	180	260	30	18	65	30	8×4	85	45	14×5.5	60	3.20
135		433	260	317	210	135	480	135	250	350	200	290	30	18	75	35	10×5	95	55	16×6	80	3.60
147		439	264	324	212	147	501	123	250	350	200	280	32	18	80	35	10×5	95	55	16×6	90	3.70
155		504	302	382	252	155	531	135	275	390	220	320	35	21	85	40	12×5	110	60	18×7	110	3.80
175		545	325	402	262	175	600	160	310	430	250	350	40	21	85	45	14×5.5	110	65	18×7	150	4.60
200		587	350	467	305	200	667	175	360	480	290	390	40	24	95	50	14×5.5	125	70	20×7.5	215	6.50
250		705	420	552	360	250	800	200	460	560	380	480	45	28	110	60	18×7	155	90	25×9	360	9.00

WPS

轴指向表示
SHAFT DIRECTION

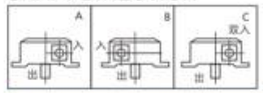




型号 size	传动比 ratio	A	AB	B	BB	CC	H	LL	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	油量 (L)
															HS	U	T×V	LS	S	W×Y		
40	5 10 15 20 25 30 40 50 60 70 80 100	143	87	114	74	40	141	60	90	100	70	80	13	10	25	12	4×2.5	28	14	5×3	4	0.30
50		175	107	150	97	50	180	80	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7	0.45
60		198	122	168	112	60	207	90	130	150	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.55
70		231	140	194	131	70	238	105	150	190	115	150	20	15	40	18	6×3.5	60	28	8×4	15	0.80
80		261	160	214	142	80	270	120	170	220	135	180	20	15	50	22	6×3.5	65	32	10×5	20	1.10
100		322	190	254	169	100	331	150	190	270	155	220	25	15	50	25	8×4	75	38	10×5	35	2.90
120		381	229	282	190	120	423	180	230	320	180	260	30	18	65	30	8×4	85	45	14×5.5	60	4.40
135		433	260	317	210	135	482	215	250	350	200	290	30	18	75	35	10×5	95	55	16×6	80	6.20
147		439	264	324	212	147	495	203	250	350	200	280	32	18	80	35	10×5	95	55	16×6	90	6.35
155		504	302	382	252	155	541	235	275	390	220	320	35	21	85	40	12×5	110	60	18×7	110	6.50
175		545	325	402	262	175	594	260	310	430	250	350	40	21	85	45	14×5.5	110	65	18×7	150	8.00
200		587	350	467	305	200	677	290	360	480	290	390	40	24	95	50	14×5.5	125	70	20×7.5	215	9.30
250		705	420	552	360	250	824	350	460	560	380	480	45	28	110	60	18×7	155	90	25×9	360	18.0

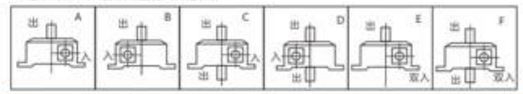
WPX

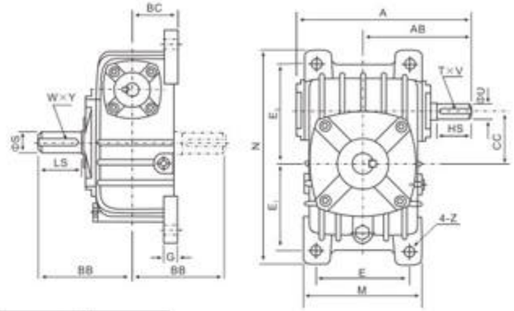
WPX轴指向表示
SHAFT DIRECTION



WPO

WPO轴指向表示
SHAFT DIRECTION

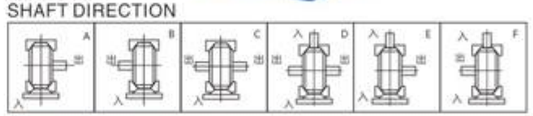


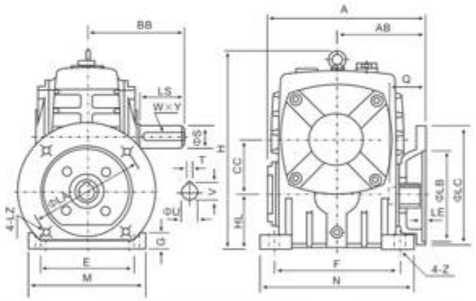


型号 size	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	油量 (L)
														HS	U	T×V	LS	S	W×Y		
40	5 10 15 20 25 30 40 50 60 70 80 100	143	87	74	45	40	94	184	70	74	86	10	10	25	12	4×2.5	28	14	5×3	5	0.36
50		175	107	97	50	50	116	220	90	93	102	15	12	30	12	4×2.5	40	17	5×3	6	0.50
60		198	122	112	55	60	126	260	100	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.60
70		231	140	131	65	70	156	295	120	120	135	20	15	40	18	6×3.5	60	28	8×4	15	1.10
80		261	160	142	70	80	175	320	140	130	150	20	15	50	22	6×3.5	65	32	10×5	20	1.50
100		322	190	169	90	100	224	375	190	155	180	26	15	50	25	8×4	75	38	10×5	35	4.00
120		381	229	190	100	120	266	450	220	185	215	30	18	65	30	8×4	85	45	14×5.5	50	5.20
135		433	260	210	110	135	306	495	260	210	235	30	18	75	35	10×5	95	55	16×6	75	7.50
147		439	264	212	113	147	310	556	250	254	254	32	18	80	35	10×5	95	55	16×6	90	8.50
155		504	302	252	140	155	350	590	290	245	295	35	21	85	40	12×5	110	60	18×7	115	9.30
175		545	325	262	150	175	394	640	320	267	323	40	21	85	45	14×5.5	110	65	18×7	140	10.5
200		587	350	305	175	200	440	710	370	290	360	40	24	95	50	14×5.5	125	70	20×7.5	200	12.7
250		705	420	360	200	250	510	860	440	350	440	45	28	110	60	18×7	155	90	25×9	340	23.0

WPDA

轴指向表示
SHAFT DIRECTION

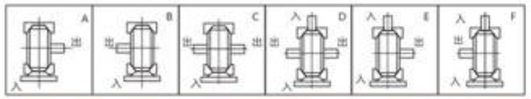


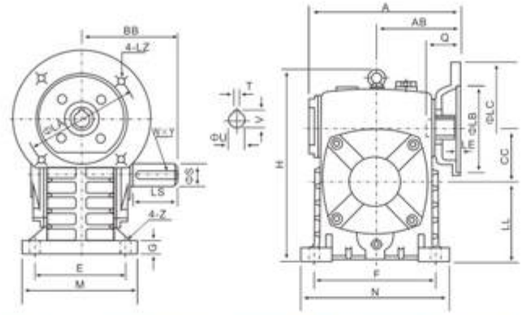


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	CC	H	HL	M	N	E	F	G	Z	电机连兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12	5 10 15 20 25 30 40 50 60 70 80 100	135	75	74	40	138	40	90	100	70	80	13	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	50	176	50	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	60	204	60	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	11
70	0.37		200	109	131	70	236	70	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	80	268	80	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	22
	1.5																			52	24	8×27.3				
100	1.5		280	148	169	100	336	100	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	38
120	2.2		333	181	190	120	430	120	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	64
	3.0																									
135	3.0		375	202	210	135	480	135	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	85
	4.0																									
147	3.0		380	204	212	147	501	123	250	350	200	280	32	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	96
	4.0																									
155	4.0		425	224	252	155	531	135	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	118
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	175	600	160	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	165
	7.5																									
200	7.5		516	258	305	200	666	175	360	480	290	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	236
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	396
	15.0																									

WPDS

轴指向表示
SHAFT DIRECTION

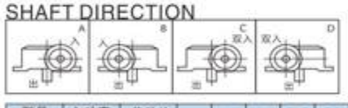




型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	CC	H	LL	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		135	75	74	40	141	60	90	100	70	80	13	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	50	180	80	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	60	207	90	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	11
70	0.37		200	109	131	70	238	105	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75	5	225	125	142	80	273	120	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	22
	1.5	10																		52	24	8×27.3				
100	1.5	15	280	148	169	100	334	150	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	38
120	2.2	20	333	181	190	120	423	180	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	64
	3.0	25																								
135	3.0	30	375	202	210	135	482	215	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	85
	4.0	40																								
147	3.0	50	380	204	212	147	495	203	250	350	200	280	32	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	96
	4.0	60																								
155	4.0	70	425	224	252	155	541	235	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	118
	5.5	80	448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5	100	481	262	262	175	600	260	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	**165**
	7.5																									
200	7.5		516	258	305	200	677	290	360	480	290	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	236
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	250	824	350	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	396
	15.0																									

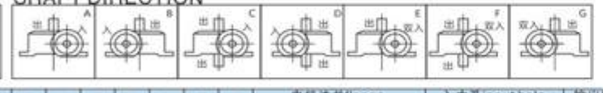
WPDX

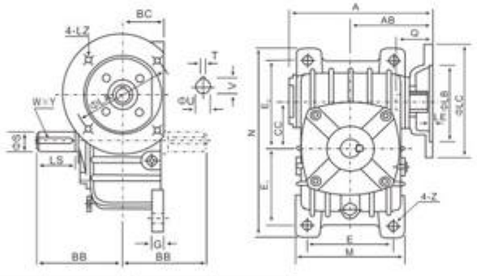
WPDX轴指向表示
SHAFT DIRECTION



WPDO

WPDO轴指向表示
SHAFT DIRECTION

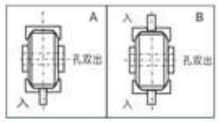


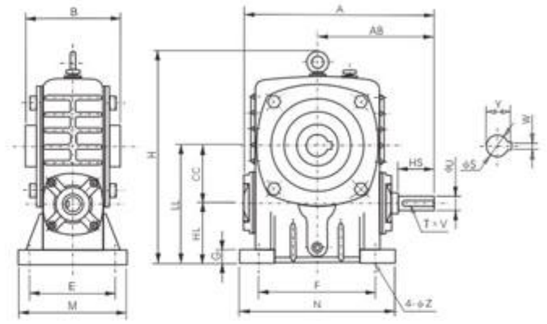


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		135	76	74	45	40	94	184	70	74	86	10	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	50	50	116	220	90	93	102	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	55	60	126	260	100	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	11
70	0.37		200	109	131	65	70	156	295	120	120	135	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75	5	225	125	142	70	80	175	320	140	130	150	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	22
	1.5	10																		52	24	8×27.3				
100	1.5	15	280	148	169	90	100	224	375	190	155	180	26	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	38
120	2.2	20	333	181	190	100	120	266	450	220	185	215	30	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	54
	3.0	25																								
135	3.0	30	375	202	210	110	135	306	495	260	210	235	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	80
	4.0	40																								
147	3.0	50	380	204	212	113	147	310	556	250	254	254	32	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	96
	4.0	60																								
155	4.0	70	425	224	252	140	155	350	590	290	245	295	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	122
	5.5	80	448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5	100	481	262	262	150	175	394	640	320	267	323	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	154
	7.5																									
200	7.5		516	258	305	175	200	440	710	370	290	360	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	220
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	200	250	510	860	440	350	440	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	374
	15.0																									

WPKA

轴指向表示
SHAFT DIRECTION

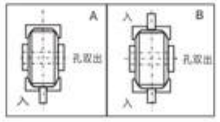


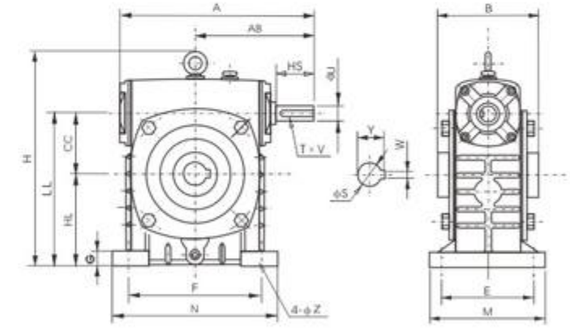


型号 size	传动比 ratio	A	AB	B	CC	HL	LL	H	M	N	E	F	G	Z	入力轴 input shaft HS	U	T×V	出力轴 output shaft S	W×Y	重量 (kg)
40		143	87	90	40	40	80	138	90	100	70	80	13	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	50	50	100	173	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60		198	122	120	60	60	120	204	130	150	105	120	20	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	70	70	140	236	150	190	115	150	20	15	40	18	6×3.5	30	8×33.3	15.5
80		261	160	150	80	80	160	268	170	220	135	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	100	100	200	329	190	270	155	220	25	15	50	25	8×4	40	12×43.3	39
120		381	229	180	120	120	240	430	230	320	180	260	30	18	65	30	8×4	45	14×48.8	57
135		433	260	214	135	135	270	480	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155		504	302	256	155	135	290	531	275	390	220	320	35	21	85	40	12×5	70	20×74.9	110
175		545	325	282	175	160	335	600	310	430	250	350	40	21	85	45	14×5.5	80	22×85.4	152
200		587	350	324	200	175	375	667	360	480	290	390	40	24	95	60	14×5.5	85	22×90.4	216

WPKS

轴指向表示
SHAFT DIRECTION

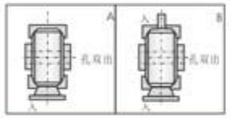


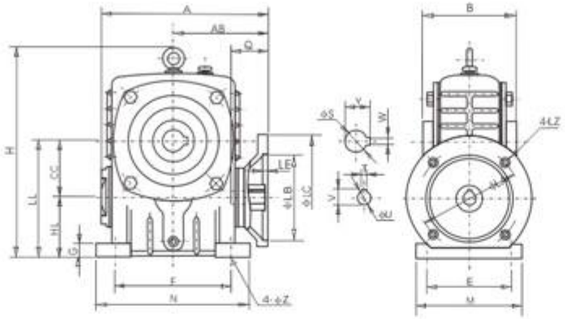


型号 size	传动比 ratio	A	AB	B	CC	HL	LL	H	M	N	E	F	G	Z	入力轴 input shaft HS	U	T×V	出力轴 output shaft S	W×Y	重量 (kg)
40		143	87	90	40	60	100	141	90	100	70	80	13	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	50	80	130	180	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60		198	122	120	60	90	150	207	130	150	105	120	20	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	70	105	175	238	150	190	115	150	20	15	40	18	6×3.5	30	8×33.3	15.5
80		261	160	150	80	120	200	270	170	220	135	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	100	150	250	331	190	270	155	220	25	15	50	25	8×4	40	12×43.3	39
120		381	229	180	120	180	300	423	230	320	180	260	30	18	65	30	8×4	45	14×48.8	57
135		433	260	214	135	215	350	482	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155		504	302	256	155	235	390	541	275	390	220	320	35	21	85	40	12×5	70	20×74.9	110
175		545	325	282	175	260	435	594	310	430	250	350	40	21	85	45	14×5.5	80	22×85.4	152
200		587	350	324	200	290	490	677	360	480	290	390	40	24	95	50	14×5.5	85	22×90.4	216

WPDKA

轴指向表示
SHAFT DIRECTION

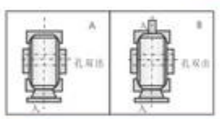


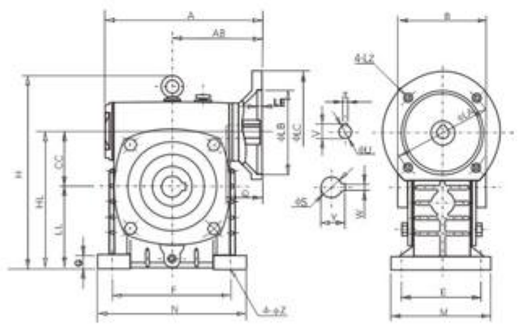


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	CC	E	F	G	H	HL	LL	M	N	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	出力轴output shaft S	W×Y	重量 (kg)
50	0.18		151	83	100	50	95	110	15	176	50	100	120	140	12	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5.4
60	0.37		167	91	110	60	105	120	20	204	60	120	130	150	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10.5
70	0.37		200	109	126	70	115	150	20	236	70	140	150	190	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75	1/10	202	111												165	130	200		M10	42	19	6×21.8			
80	0.75	1/15	225	125	136	80	135	180	20	268	80	160	170	220	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5	1/20																			52	24	8×27.3			
100	1.5	1/25	280	148	160	100	155	220	25	336	100	200	190	270	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	38
120	2.2	1/30	333	181	180	120	180	260	30	430	120	240	230	320	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
	3.0	1/40																								
135	3.0	1/50	375	202	204	135	200	290	30	480	135	270	250	350	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	85
	4.0	1/60																								
155	4.0		425	224	250	155	220	320	35	531	135	290	275	390	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	120
	5.5		448	247												265	230	300			83	38	10×41.3			
175	5.5		481	262	280	175	250	350	40	600	160	335	310	430	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	150
	7.5																									

WPDKS

轴指向表示
SHAFT DIRECTION

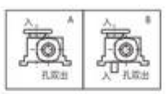


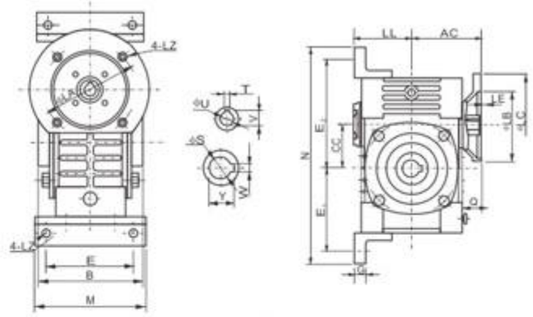


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	CC	E	F	G	H	HL	LL	M	N	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	出力轴output shaft S	W×Y	重量 (kg)
50	0.18		151	83	100	50	95	110	15	176	130	80	120	140	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	110	60	105	120	20	202	150	90	130	150	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10.5
70	0.37		200	109	126	70	115	150	20	238	175	105	150	190	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75	1/10	202	111												165	130	200		M10	42	19	6×21.8			
80	0.75	1/15	225	125	136	80	135	180	20	273	200	120	170	220	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5	1/20																			52	24	8×27.3			
100	1.5	1/25	280	148	160	100	155	220	25	334	250	150	190	270	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	38
120	2.2	1/30	333	181	180	120	180	260	30	423	300	180	230	320	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
	3.0	1/40																								
135	3.0	1/50	375	202	204	135	200	290	30	482	350	215	250	350	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	85
	4.0	1/60																								
155	4.0		425	224	250	155	220	320	35	541	390	235	275	390	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	120
	5.5		448	247												265	230	300			83	38	10×41.3			
175	5.5		481	262	280	175	250	350	40	600	435	260	310	430	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	150
	7.5																									

WPWDKT

轴指向表示
SHAFT DIRECTION

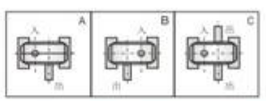


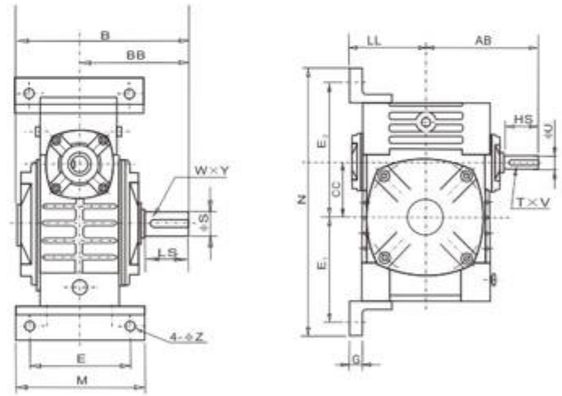


型号 size	入功率 (kw)	传动比 ratio	AC	B	CC	LL	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	出力轴output shaft S	W×Y	重量 (kg)
40	0.12		75	90	40	63	90	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5.4
50	0.18		83	110	50	70	120	226	95	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8.5
60	0.37		91	120	60	80	130	257	105	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12
70	0.37		109	132	70	95	150	305	115	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		111											165	130	200		M10	42	19	6×21.8			
80	0.75		125	150	80	105	170	350	135	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5	10																	52	24	8×27.3			
100	1.5	15	148	174	100	135	190	410	155	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	40.5
120	2.2	20	181	180	120	160	230	494	180	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	59
	3.0	25																						
135	3.0	30	202	214	135	185	250	559	200	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	89
	4.0	40																						
155	4.0	50	224	256	155	220	275	605	220	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	138
	5.5	60	247											265	230	300	5	M12	83	38	10×41.3			
175	5.5		262	282	175	240	310	675	250	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	172
	7.5																							
200	7.5		258	324	200	280	360	749	290	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246
	11.0		285											300	250	350	6	M16	114	42	12×45.3			
250	11.0		330	400	250	315	460	920	380	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	400
	15.0																							

WPWT

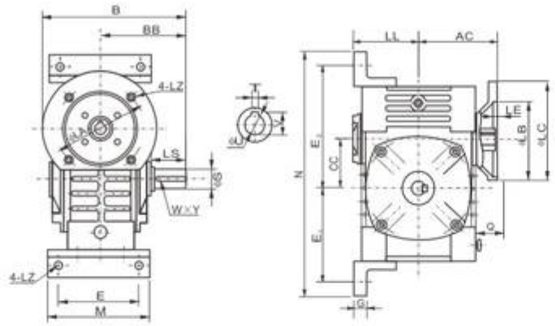
轴指向表示
SHAFT DIRECTION



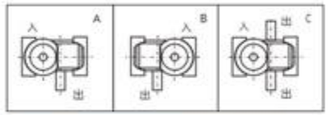


型号 size	传动比 ratio	AB	BB	CC	LL	M	N	E	E_1	E_2	G	Z	入力轴 input shaft HS	U	T×V	出力轴 output shaft LS	S	W×V	重量
40		87	79	40	63	90	187	70	72	97	12	10	25	12	4×2.5	28	14	5×3	5
50		107	97	50	70	120	226	95	90	110	14	12	30	12	4×2.5	40	17	5×3	8
60		122	112	60	80	130	257	105	102	129	15	12	40	15	5×3	50	22	6×3.5	11
70		140	131	70	95	150	305	115	120	155	20	15	40	18	6×3.5	60	28	8×4	15.5
80		160	142	80	105	170	350	135	140	180	20	15	50	22	6×3.5	65	32	10×5	24
100	10	190	169	100	135	190	410	155	165	215	22	15	50	25	8×4	75	38	10×5	38
120	15	229	190	120	160	230	494	180	195	255	25	18	65	30	8×4	85	45	14×5.5	56
135	20	260	210	135	185	250	559	200	230	285	30	18	75	35	10×5	95	55	16×6	84
155	25	302	252	155	220	275	605	220	250	305	35	21	85	40	12×5	110	60	18×7	129
175	30	325	262	175	240	310	675	250	273	348	40	21	85	45	14×5.5	110	65	18×7	157
200	40	350	305	200	280	360	749	290	305	390	40	24	95	50	14×5.5	125	70	20×7.5	224
250	50 60	420	552	250	315	460	920	380	375	475	45	28	110	60	18×7	155	90	25×9	374

WPWDT

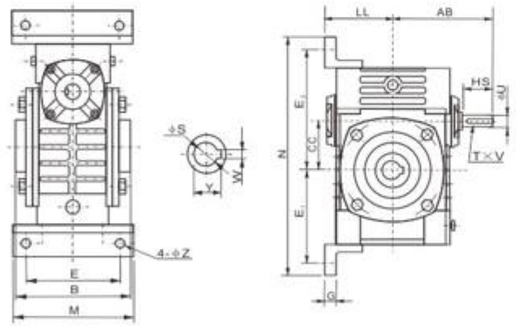


轴指向表示
SHAFT DIRECTION

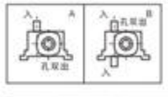


型号 size	入功率 (kw)	传动比 ratio	AC	BB	CC	LL	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		75	79	40	63	90	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5.4
50	0.18		83	97	50	70	120	226	95	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8.5
60	0.37		91	112	60	80	130	257	105	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12
70	0.37		109	131	70	95	150	305	115	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		111											165	130	200		M10	42	19	6×21.8				
80	0.75	10	125	142	80	105	170	350	135	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
	1.5	15																	52	24	8×27.3				
100	1.5	20	148	169	100	135	190	410	155	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	40.5
120	2.2	25	181	190	120	160	230	494	180	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	59
	3.0	30																							
135	3.0	40	202	210	135	185	250	559	200	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	89
	4.0	50																							
155	4.0	60	224	252	155	220	275	605	220	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	138
	5.5		247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		262	262	175	240	310	675	250	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	172
	7.5																								
200	7.5		258	305	200	280	360	749	290	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	246
	11.0		285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		330	360	250	315	460	920	380	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	410
	15.0																								

WPWKT

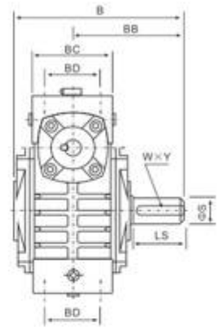


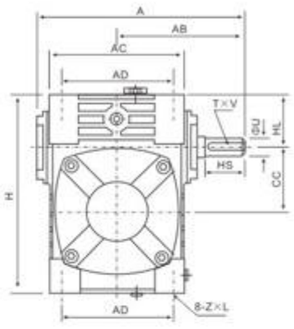
轴指向表示
SHAFT DIRECTION



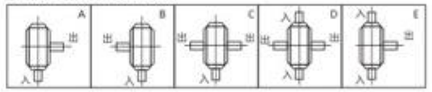
型号 size	传动比 ratio	AB	B	CC	LL	M	N	E	E_1	E_2	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft S	W×V	重量 (kg)
40		87	90	40	63	90	187	70	72	97	12	10	25	12	4X2.5	16	5×18.3	5
50		107	100	50	70	120	226	95	90	110	14	12	30	12	4×2.5	20	6×22.8	8
60	10	122	110	60	80	130	257	105	102	129	15	12	40	15	5×3	25	8×28.3	11
70	15	140	126	70	95	150	305	115	120	155	20	15	40	18	6×3.5	30	8×33.3	15.5
80	20	160	136	80	105	170	350	135	140	180	20	15	50	22	6×3.5	35	10×38.3	24
100	25	190	160	100	135	190	410	155	165	215	22	15	50	25	8×4	40	12×43.3	38
120	30	229	180	120	160	230	494	180	195	255	25	18	65	30	8×4	45	14×48.8	56
135	40	260	204	135	185	250	559	200	230	285	30	18	75	35	10×5	60	18×64.4	84
155	50	302	250	155	220	275	605	220	250	305	35	21	85	40	12×5	70	20×74.9	129
175	60	325	280	175	240	310	675	250	273	348	40	21	85	45	14×5.5	80	22×85.4	157
200		350	324	200	280	360	749	290	305	390	40	24	95	50	14×5.5	85	22×90.4	224
250		420	380	250	315	460	920	380	375	475	45	28	110	60	18×7	110	28×116.4	374

WPW



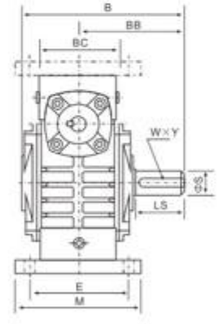


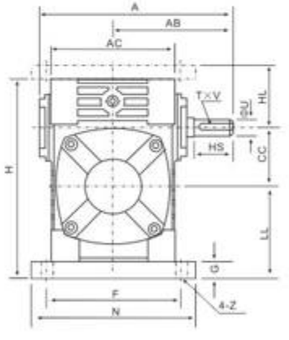
轴指向表示
SHAFT DIRECTION



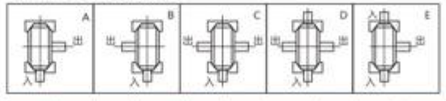
型号 size	传动比 ratio	A	AB	B	BB	AC	BC	AD	BD	CC	HL	H	Z×L	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	5	149	89	124	79	95	61	78	42	40	35	125	M6×12	25	12	4×2.5	28	14	5×3	4
50	10	175	107	150	97	111	68	85	50	50	35	150	M6×18	30	12	4×2.5	40	17	5×3	6.5
60	15	198	122	168	112	127	76	105	55	60	42	177	M8×20	40	15	5×3	50	22	6×3.5	9
70	20	231	140	194	131	152	86	125	65	70	55	215	M10×25	40	18	6×3.5	60	28	8×4	13
80	25	261	160	214	142	169	102	140	70	80	65	250	M12×28	50	22	6×3.5	65	32	10×5	21
100	30	322	190	254	169	216	117	180	90	100	80	310	M12×30	50	25	8×4	75	38	10×5	34
120	40	381	229	282	190	256	124	220	100	120	95	370	M14×32	65	30	8×4	85	45	14×5.5	51
135	50	433	260	317	210	296	147	260	110	135	105	425	M16×35	75	35	10×5	95	55	16×6	78
155	60	504	302	382	252	345	185	280	120	155	103	461	M16×35	85	40	12×5	110	60	18×7	102
175	70	545	325	402	262	374	192	320	140	175	123	521	M16×35	85	45	14×5.5	110	65	18×7	142
200	80	587	350	467	305	412	230	360	150	200	130	575	M20×36	95	50	14×5.5	125	70	20×7.5	202
250	100	705	420	552	360	500	285	420	190	250	150	700	M24×42	110	60	18×7	155	90	25×9	340

WPWA　　WPWS





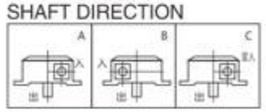
轴指向表示
SHAFT DIRECTION



型号 size	传动比 ratio	A	AB	B	BB	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	5	149	89	124	79	95	61	40	45	60	135	100	130	80	110	10	10	25	12	4×2.5	28	14	5×3	4.5
50	10	175	107	150	97	111	68	50	50	80	165	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7.5
60	15	198	122	168	112	127	76	60	60	93	195	130	150	105	120	18	12	40	15	5×3	50	22	6×3.5	11.5
70	20	231	140	194	131	152	86	70	73	108	233	150	190	115	150	18	15	40	18	6×3.5	60	28	8×4	15.5
80	25	261	160	214	142	169	102	80	83	123	268	170	220	135	180	18	15	50	22	6×3.5	65	32	10×5	24
100	30	322	190	254	169	216	117	100	100	150	330	190	270	155	220	20	15	50	25	8×4	75	38	10×5	39
120	40	381	229	282	190	256	124	120	120	180	395	230	320	180	260	25	18	65	30	8×4	85	45	14×5.5	57
135	50	433	260	317	210	296	147	135	135	215	455	250	350	200	290	30	18	75	35	10×5	95	55	16×6	85
155	60	504	302	382	252	345	185	155	135	235	493	280	380	220	320	32	21	85	40	12×5	110	60	18×7	110
175	70	545	325	402	262	374	192	175	160	260	558	310	410	250	350	37	21	85	45	14×5.5	110	65	18×7	152
200	80	587	350	467	305	412	230	200	175	290	620	355	445	290	390	45	24	95	50	14×5.5	125	70	20×7.5	216
250	100	705	420	552	360	500	285	250	200	350	750	460	560	380	480	50	28	110	60	18×7	155	90	25×9	350

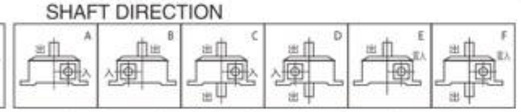
WPWX

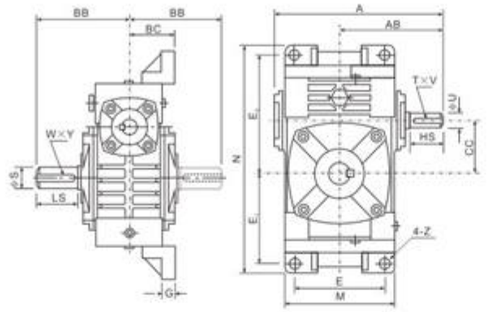
WPWX轴指向表示
SHAFT DIRECTION



WPWO

WPWO轴指向表示
SHAFT DIRECTION

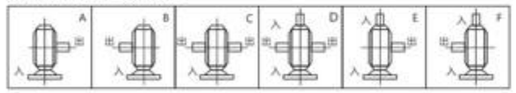


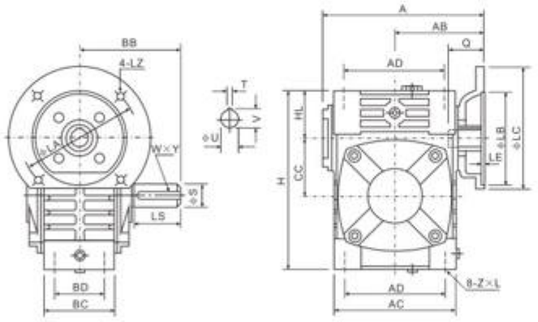


型号 size	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	5	149	89	79	45	40	95	187	70	72	97	12	10	25	12	4×2.5	28	14	5×3	5
50	10	175	107	97	50	50	111	226	90	90	110	14	12	30	12	4×2.5	40	17	5×3	8
60	15	198	122	112	55	60	127	257	100	102	129	15	12	40	15	5×3	50	22	6×3.5	11
70	20	231	140	131	65	70	152	305	120	120	155	20	15	40	18	6×3.5	60	28	8×4	15.5
80	25	261	160	142	70	80	174	350	140	140	180	20	15	50	22	6×3.5	65	32	10×5	24
100	30	322	190	169	90	100	224	410	190	165	215	22	15	50	25	8×4	75	38	10×5	38
120	40	381	229	190	100	120	264	494	220	195	255	25	18	65	30	8×4	85	45	14×5.5	56
135	50	433	260	210	110	135	304	559	260	230	285	30	18	75	35	10×5	95	55	16×6	84
155	60	504	302	252	140	155	345	605	290	250	305	35	21	85	40	12×5	110	60	18×7	129
175	70	545	325	262	150	175	374	675	320	273	348	40	21	85	45	14×5.5	110	65	18×7	157
200	80	587	350	305	175	200	424	749	370	305	390	40	24	95	50	14×5.5	125	70	20×7.5	224
250	100	705	420	552	200	250	510	920	440	375	475	45	28	110	60	18×7	155	90	25×9	374

WPWD

轴指向表示
SHAFT DIRECTION



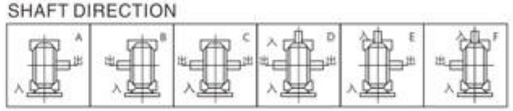


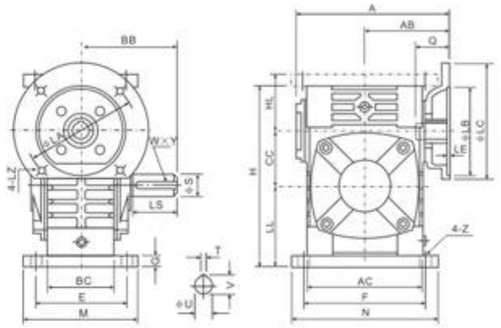
型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	AC	BC	AD	BD	CC	HL	H	Z×L	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		135	75	79	95	61	78	42	40	35	125	M6×12	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	4
50	0.18		151	83	97	111	68	85	50	50	35	150	M6×18	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	7
60	0.37		167	91	112	127	76	105	55	60	42	177	M8×20	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	10
70	0.37	5	200	109	131	152	86	125	65	70	55	215	M10×25	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	14.5
	0.75	10	202	111										165	130	200		M10	42	19	6×21.8				
80	0.75	15	225	125	142	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	23
	1.5	20																	52	24	8×27.3				
100	1.5	25	280	148	169	216	117	180	90	100	80	310	M12×30	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	36.5
120	2.2	30	333	181	190	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	54
	3.0	40																							
135	3.0	50	375	202	210	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	83
	4.0	60																							
155	4.0	70	425	224	252	345	185	280	120	155	103	461	M16×35	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	110
	5.5	80	448	247										265	230	300	5	M12	83	38	10×41.3				
175	5.5	100	481	262	262	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	156
	7.5																								
200	7.5		516	258	305	412	230	360	150	200	130	575	M20×36	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	222
	11.0		543	285										300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	376
	15.0																								

WPWDA

WPWDS

轴指向表示
SHAFT DIRECTION

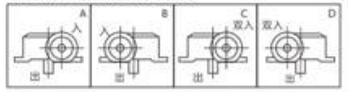




型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		135	75	79	95	61	40	45	60	135	100	130	80	110	10	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	111	68	50	50	80	165	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	127	76	60	60	93	195	130	150	105	120	18	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12.5
70	0.37	5	200	109	131	152	86	70	73	108	233	150	190	115	150	18	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75	10	202	111														165	130	200		M10	42	19	6×21.8				
80	0.75	15	225	125	142	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
	1.5	20																					52	24	8×27.3				
100	1.5	25	280	148	169	216	117	100	100	150	330	190	270	155	220	20	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	41.5
120	2.2	30	333	181	190	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	60
	3.0	40																											
135	3.0	50	375	202	210	296	147	135	135	215	455	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	90
	4.0	60																											
155	4.0	70	425	224	252	345	185	155	135	235	493	280	380	220	320	32	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	118
	5.5	80	448	247														265	230	300	5	M12	83	38	10×41.3				
175	5.5	100	481	262	262	374	192	175	160	260	558	310	410	250	350	37	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	167
	7.5																												
200	7.5		516	258	305	412	230	200	175	290	620	355	445	290	390	45	24	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	237
	11.0		543	285														300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	500	285	250	200	350	750	460	560	380	480	50	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	395
	15.0																												

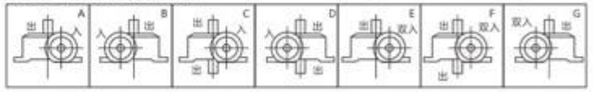
WPWDX

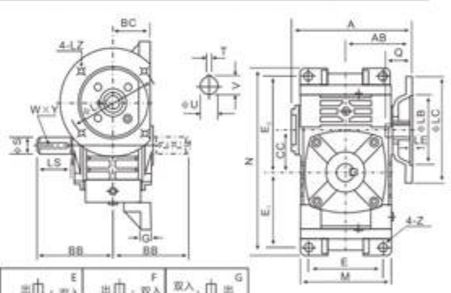
WPWDX轴指向表示
SHAFT DIRECTION



WPWDO

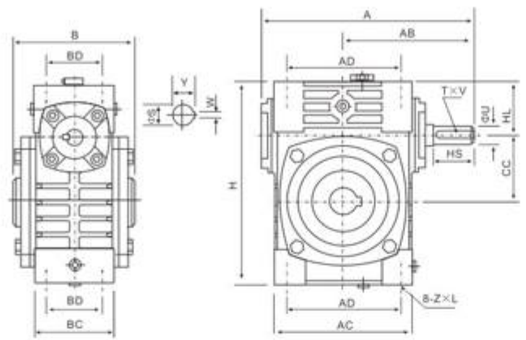
WPWDO轴指向表示
SHAFT DIRECTION



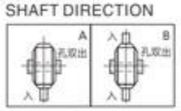


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		135	75	79	45	40	95	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5.4
50	0.18		151	83	97	50	50	111	226	90	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8.5
60	0.37		167	91	112	55	60	127	257	100	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12
70	0.37	5	200	109	131	65	70	152	305	120	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75	10	202	111											165	130	200		M10	42	19	6×21.8				
80	0.75	15	225	125	142	70	80	174	350	140	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
	1.5	20																		52	24	8×27.3				
100	1.5	25	280	148	169	90	100	224	410	190	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	40.5
120	2.2	30	333	181	190	100	120	264	494	220	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	59
	3.0	40																								
135	3.0	50	375	202	210	110	135	304	559	260	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	89
	4.0	60																								
155	4.0	70	425	224	252	140	155	345	605	290	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	138
	5.5	80	448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5	100	481	262	262	150	175	374	675	320	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	172
	7.5																									
200	7.5		516	258	305	175	200	424	749	370	305	390	40	21	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	246
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	200	250	510	920	440	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	410
	15.0																									

WPWK



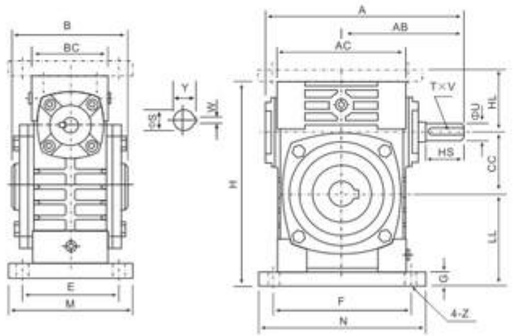
轴指向表示
SHAFT DIRECTION



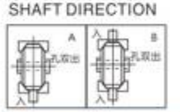
型号 size	传动比 ratio	A	AB	B	AC	BC	AD	BD	CC	HL	H	Z×L	输入轴input shaft			输出轴output shaft		重量 (kg)
													HS	U	T×V	S	W×Y	
40	5	149	89	90	95	61	78	42	40	35	125	M6×12	25	12	4×2.5	16	5×18.3	4
50	10	175	107	110	111	68	85	50	50	35	150	M6×18	30	12	4×2.5	20	6×22.8	6.5
60	15	198	122	120	127	76	105	55	60	42	177	M8×20	40	15	5×3	25	8×28.3	9
70	20	231	140	132	152	86	125	65	70	55	215	M10×25	40	18	6×3.5	30	8×33.3	13
80	25	261	160	150	169	102	140	70	80	65	250	M12×28	50	22	6×3.5	35	10×38.3	21
100	30	322	190	174	216	117	180	90	100	80	310	M12×30	50	25	8×4	40	12×43.3	34
120	40	381	229	180	256	124	220	100	120	95	370	M14×32	65	30	8×4	45	14×48.8	51
135	50	433	260	214	296	147	260	110	135	105	425	M16×35	75	35	10×5	60	18×64.4	78
155	60	504	302	256	345	185	280	120	155	103	461	M16×35	85	40	12×5	70	20×74.9	102
175	70	545	325	282	374	192	320	140	175	123	521	M16×35	85	45	14×5.5	80	22×85.4	142
200	80	587	350	324	412	230	360	150	200	130	575	M20×36	95	50	14×5.5	85	22×90.4	202
250	100	705	420	400	500	285	420	190	250	150	700	M24×42	110	60	18×7	110	28×116.4	340

WPWKA

WPWKS

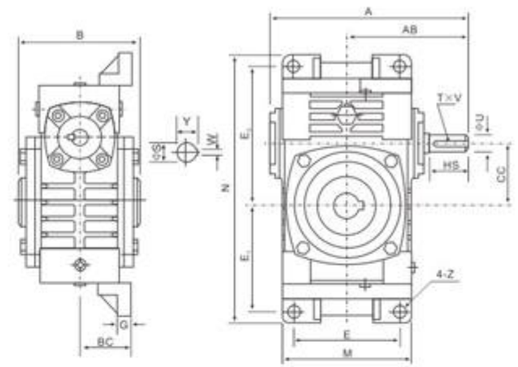


轴指向表示
SHAFT DIRECTION

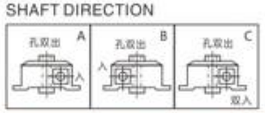


型号 size	传动比 ratio	A	AB	B	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																	HS	U	T×V	S	W×Y	
40	5	149	89	90	95	61	40	45	60	135	100	130	80	110	10	10	25	12	4×2.5	16	5×18.3	4.5
50	10	175	107	110	111	68	50	50	80	165	120	140	95	110	15	12	30	12	4X2.5	20	6×22.8	7.5
60	15	198	122	120	127	76	60	60	93	195	130	150	105	120	18	12	40	15	5×3	25	8×28.3	11.5
70	20	231	140	132	152	86	70	73	108	233	150	190	115	150	18	15	40	18	6×3.5	30	8×33.3	15.5
80	25	261	160	150	169	102	80	83	123	268	170	220	135	180	18	15	50	22	6×3.5	35	10×38.3	24
100	30	322	190	174	216	117	100	100	150	330	190	270	155	220	20	15	50	25	8×4	40	12×43.3	39
120	40	381	229	180	256	124	120	120	180	395	230	320	180	260	25	18	65	30	8×4	45	14×48.8	57
135	50	433	260	214	296	147	135	135	215	455	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155	60	504	302	256	345	185	155	135	235	493	280	380	220	320	32	21	85	40	12×5	70	20×74.9	110
175	70	545	325	282	374	192	175	160	260	558	310	410	250	350	37	21	85	45	14×5.5	80	22×85.4	152
200	80	587	350	324	412	230	200	175	290	620	355	445	290	390	45	24	95	50	14×5.5	85	22×90.4	216
250	100	705	420	400	500	285	250	200	350	750	460	560	380	480	50	28	110	60	18×7	110	28×116.4	350

WPWKO

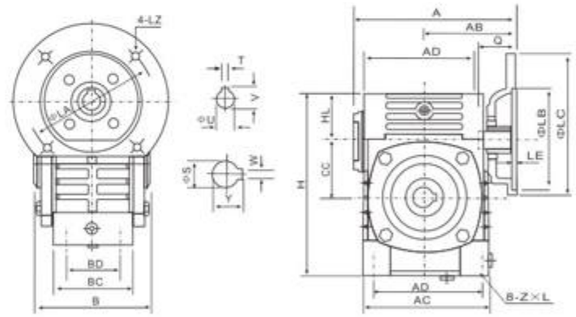


轴指向表示
SHAFT DIRECTION

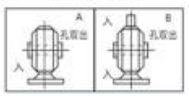


型号 size	传动比 ratio	A	AB	B	BC	CC	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
														HS	U	T×V	S	W×Y	
40	5	149	89	90	45	40	95	187	70	72	97	12	10	25	12	4×2.5	16	5×18.3	5
50	10	175	107	110	50	50	111	226	90	90	110	14	12	30	12	4×2.5	20	6×22.8	8
60	15	198	122	120	55	60	127	257	100	102	129	15	12	40	15	5×3	25	8×28.3	11
70	20	231	140	132	65	70	152	305	120	120	155	20	15	40	18	6×3.5	30	8×33.3	15.5
80	25	261	160	150	70	80	174	350	140	140	180	20	15	50	22	6×3.5	35	10×38.3	24
100	30	322	190	174	90	100	224	410	190	165	215	22	15	50	25	8×4	40	12×43.3	38
120	40	381	229	180	100	120	264	494	220	195	255	25	18	65	30	8×4	45	14×48.8	56
135	50	433	260	214	110	135	304	559	260	230	285	30	18	75	35	10×5	60	18×64.4	84
155	60	504	302	256	140	155	345	605	290	250	305	35	21	85	40	12×5	70	20×74.9	129
175	70	545	325	282	150	175	374	675	320	273	348	40	21	85	45	14×5.5	80	22×85.4	157
200	80	587	350	324	175	200	424	749	370	305	390	40	24	95	50	14×5.5	85	22×90.4	224
250	100	705	420	400	200	250	510	920	440	375	475	45	28	110	60	18×7	110	28×116.4	374

WPWDK



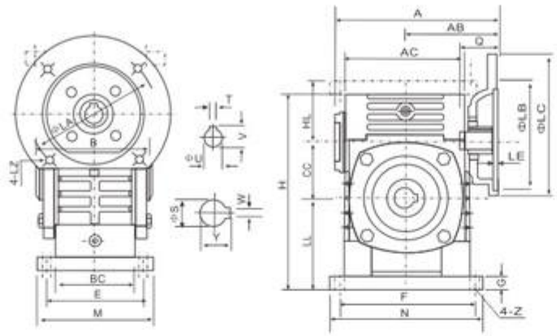
轴指向表示
SHAFT DIRECTION



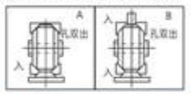
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	AC	BC	AD	BD	CC	HL	H	Z×L	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
														LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40	0.12		135	75	90	95	61	78	42	40	35	125	M6×12	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	4
50	0.18		151	83	110	111	68	85	50	50	35	150	M6×18	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	7
60	0.37		167	91	120	127	76	105	55	60	42	177	M8×20	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10
70	0.37	5	200	109	132	152	86	125	65	70	55	215	M10×25	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	14.5
	0.75	10	202	111										165	130	200		M10	42	19	6×21.8			
80	0.75	15	225	125	150	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	23
	1.5	20																	52	24	8×27.3			
100	1.5	25	280	148	174	216	117	180	90	100	80	310	M12×30	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	36.5
120	2.2	30	333	181	180	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	54
	3.0	40																						
135	3.0	50	375	202	214	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	83
	4.0	60																						
155	4.0	70	425	224	256	345	185	280	120	155	103	461	M16×35	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	110
	5.5	80	448	247										265	230	300	5	M12	83	38	10×41.3			
175	5.5	100	481	262	282	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	156
	7.5																							
200	7.5		516	258	324	412	230	360	150	200	130	575	M20×36	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	222
	11.0		543	285										300	250	350	6	M16	114	42	12×45.3			
250	11.0		615	330	400	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	376
	15.0																							

WPWDKA

WPWDKS

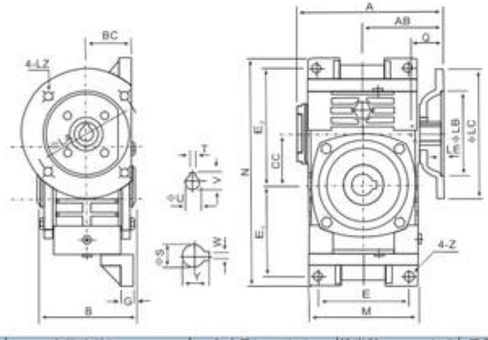


轴指向表示
SHAFT DIRECTION

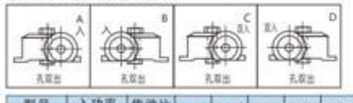


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40	0.12	5 10 15 20 25 30 40 50 60 70 80 100	135	75	90	95	61	40	45	60	135	100	130	80	110	10	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5
50	0.18		151	83	110	111	68	50	50	80	165	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	120	127	76	60	60	93	195	130	150	105	120	18	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12.5
70	0.37		200	109	132	152	86	70	73	108	233	150	190	115	150	18	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		202	111														165	130	200		M10	42	19	6×21.8			
80	0.75		225	125	150	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5																						52	24	8×27.3			
100	1.5		280	148	174	216	117	100	100	150	330	190	270	155	220	20	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	41.5
120	2.2		333	181	180	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
	3.0																											
135	3.0		375	202	214	296	147	135	135	215	455	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	90
	4.0																											
155	4.0		425	224	256	345	185	155	135	235	493	280	380	220	320	32	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	118
	5.5		448	247														265	230	300	5	M12	83	38	10×41.3			
175	5.5		481	262	282	374	192	175	160	260	558	310	410	250	350	37	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	167
	7.5																											
200	7.5		516	258	324	412	230	200	175	290	620	355	445	290	390	45	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	237
	11.0		543	285														300	250	350	6	M16	114	42	12×45.3			
250	11.0		615	330	400	500	285	250	200	350	750	460	560	380	480	50	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	395
	15.0																											

WPWDKO

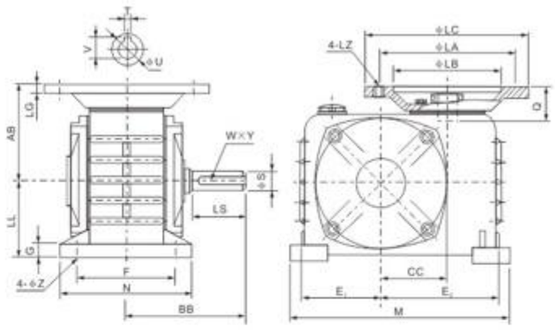


轴指向表示
SHAFT DIRECTION

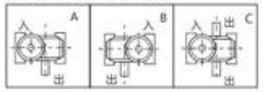


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BC	CC	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40	0.12	5 10 15 20 25 30 40 50 60 70 80 100	135	75	90	45	40	95	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5.4
50	0.18		151	83	110	50	50	111	226	90	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8.5
60	0.37		167	91	120	55	60	127	257	100	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12
70	0.37		200	109	132	65	70	152	305	120	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8			
80	0.75		225	125	150	70	80	174	350	140	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5																			52	24	8×27.3			
100	1.5		280	148	174	90	100	224	410	190	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	40.5
120	2.2		333	181	180	100	120	264	494	220	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	59
	3.0																								
135	3.0		375	202	214	110	135	304	559	260	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	89
	4.0																								
155	4.0		425	224	256	140	155	345	605	290	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	138
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3			
175	5.5		481	262	282	150	175	374	675	320	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	172
	7.5																								
200	7.5		516	258	324	175	200	424	749	370	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3			
250	11.0		615	330	400	200	250	510	920	440	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	410
	15.0																								

WPDZ

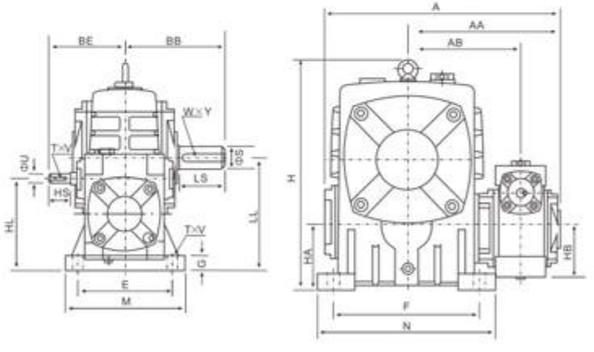


轴指向表示
SHAFT DIRECTION

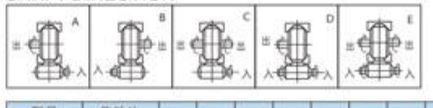


型号 size	入功率 (kw)	传动比 ratio	AB	LL	BB	CC	E_1	E_2	F	M	N	G	Z	电机法兰 flange LA	LB	LC	LG	LZ	入力孔 input hole Q	U	T×V	出力轴 output shaft LS	S	W×Y	重量 (kg)
50	0.18	5 10 15 20 25 30 40 50 60 80 100	87	76	95	50	53	77	100	160	125	15	11	115	95	140	10	M8	25	11	4×12.8	40	17	5×3	7.5
60	0.18		78	82	110	60	68	92	100	190	130	15	11	115	95	140	10	M8	25	11	4×12.8	50	22	6×4	12
	0.37													130	110	160			35	14	5×16.3				
70	0.37		101	95	130	70	75	115	120	230	155	20	15	130	110	160	10	M8	33	14	5×16.3	60	28	8×4	15
	0.75													165	130	200		M10	43	19	6×21.8				
80	0.75		118	100	140	80	96	144	125	265	160	20	15	165	130	200	12	M10	43	19	6×21.8	65	32	10×4.5	22
	1.5																		35	24	8×27.3				
100	1.5		145	135	163	100	100	150	155	310	195	22	15	165	130	200	15	M10	55	24	8×27.3	75	38	10×4.5	38
	2.2													215	180	250		M12	65	28	8×31.3				
120	2.2		160	160	185	120	120	180	180	360	230	28	18	215	180	250	18	M12	65	28	8×31.3	85	45	12×4.5	60
	3.0																								
135	3.0		183	170	210	135	130	200	200	390	250	30	18	215	180	250	20	M12	65	28	8×31.3	95	55	16×6	80
	4.0																								

WPEA

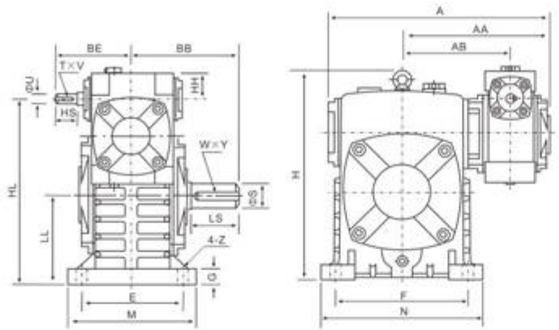


轴指向表示
SHAFT DIRECTION

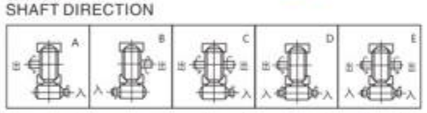


型号 size	传动比 ratio	A	AA	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input hole HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	200 300 400 500 600 800 900	262	171	126	131	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	60	28	8×4	20
50-80		297	197	144	142	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	65	32	10×5	27
60-100		363	231	175	169	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	75	38	10×5	44
70-120		408	256	193	190	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	85	45	14×5.5	73
80-135		471	298	226	210	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	95	55	16×6	101
80-147		476	301	229	212	160	203	270	501	123	105	250	350	200	280	32	18	50	22	6×3.5	95	55	16×6	112
100-155		555	354	269	252	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	110	60	18×7	144
120-175		598	379	287	262	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	110	65	18×7	201
135-200		662	425	318	305	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	125	70	20×7.5	293
155-250		795	510	380	360	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	155	90	25×9	462

WPES



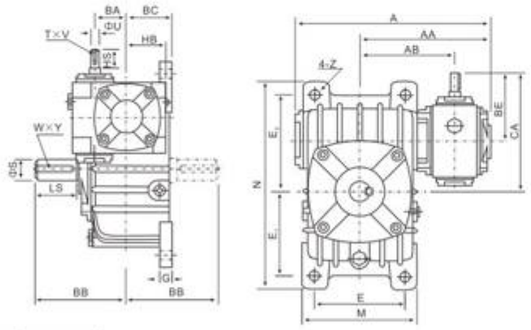
轴指向表示
SHAFT DIRECTION



型号 size	传动比 ratio	A	AA	AB	BB	BE	HH	HL	LL	H	M	N	E	F	G	Z	输入轴input hole			输出轴output shaft			重量 (kg)
																	HS	U	T×V	LS	S	W×Y	
40-70	200 300 400 500 600 800 900	262	171	126	131	89	35	215	105	238	150	190	115	150	20	15	25	12	4×2.5	60	28	8×4	20
50-80		297	197	144	142	107	35	250	120	273	170	220	135	180	20	15	30	12	4×2.5	65	32	10×5	27
60-100		363	231	175	169	122	42	310	150	334	190	270	155	220	25	15	40	15	5×3	75	38	10×5	44
70-120		408	256	193	190	140	55	370	180	423	230	320	180	260	30	18	40	18	6×3.5	85	45	14×5.5	73
80-135		471	298	226	210	160	65	430	215	482	250	350	200	290	30	18	50	22	6×3.5	95	55	16×6	101
80-147		476	301	229	212	160	65	430	203	495	250	350	200	280	32	18	50	22	6×3.5	95	55	16×6	112
100-155		555	354	269	252	190	80	490	235	541	275	390	220	320	35	21	50	25	8×4	110	60	18×7	144
120-175		598	379	287	262	229	95	555	260	600	310	430	250	350	40	21	65	30	8×4	110	65	18×7	201
135-200		662	425	318	305	260	105	625	290	677	360	480	290	390	40	24	75	35	10×5	125	70	20×7.5	293
155-250		795	510	380	360	302	103	755	350	824	460	560	380	480	45	28	85	40	12×5	155	90	25×9	462

WPEX

WPEO

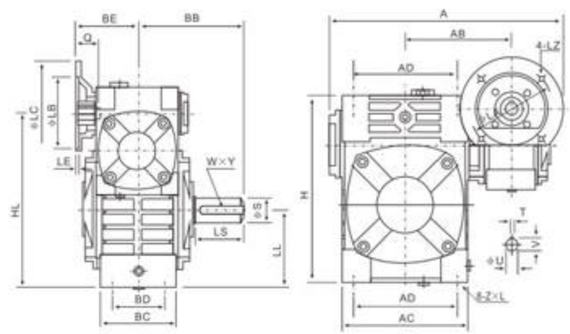


WPEX轴指向表示
SHAFT DIRECTION

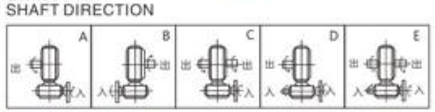
WPEO轴指向表示
SHAFT DIRECTION

型号 size	传动比 ratio	A	AA	AB	BA	BB	BC	BE	HB	CA	M	N	E	E_1	E_2	G	Z	输入轴input hole			输出轴output shaft			重量 (kg)
																		HS	U	T×V	LS	S	W×Y	
40-70	200 300 400 500 600 800 900	262	171	126	40	131	65	89	50	159	156	295	120	120	135	20	15	25	12	4×2.5	60	28	8×4	19
50-80		297	197	144	50	142	70	107	65	187	175	320	140	130	150	20	15	30	12	4×2.5	65	32	10×5	27
60-100		363	231	175	60	169	90	122	75	222	224	375	190	155	180	26	15	40	15	5×3	75	38	10×5	44
70-120		408	256	193	70	190	100	140	90	260	266	450	220	185	215	30	18	40	18	6×3.5	85	45	14×5.5	63
80-135		471	298	226	80	210	110	160	105	295	306	495	260	210	235	30	18	50	22	6×3.5	95	55	16×6	96
80-147		476	301	229	80	212	113	160	105	307	310	556	250	254	254	32	18	50	22	6×3.5	95	55	16×6	112
100-155		555	354	269	100	252	140	190	130	345	350	590	290	245	295	35	21	50	25	8×4	110	60	18×7	149
120-175		598	379	287	120	262	150	229	155	404	394	640	320	267	323	40	21	65	30	8×4	110	65	18×7	191
135-200		662	425	318	135	305	175	260	185	460	440	710	370	290	360	40	24	75	35	10×5	125	70	20×7.5	278
155-250		795	510	380	155	360	200	302	203	552	510	860	440	350	440	45	28	85	40	12×5	155	90	25×9	442

WPWED

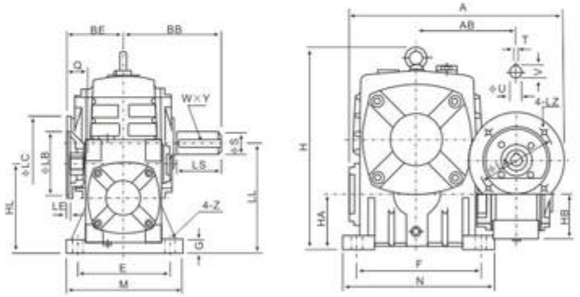


轴指向表示
SHAFT DIRECTION

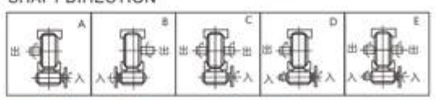


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BE	AC	BC	AD	BD	HL	LL	H	ZxL	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12	200 300 400 500 600 800 900	287	126	131	75	152	86	125	65	200	90	215	M10 X25	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	17
50-80	0.18		314	144	142	83	169	102	140	70	235	105	250	M12X28	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	28
60-100	0.37		387	175	169	91	216	117	180	90	290	130	310	M12X30	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	44
70-120	0.37		425	193	190	109	256	124	220	100	345	155	370	M14X32	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	66
	0.75		445			111									165	130	200		M10	42	19	6×21.8				
80-135	0.75		499	226	210	125	296	147	260	110	400	185	425	M16X35	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	101
	1.5																			52	24	8×27.3				
100-155	1.5		570	269	252	148	345	185	280	120	458	203	461	M16X35	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	139
120-175	2.2		631	287	262	181	374	192	320	140	518	223	521	M16X35	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	196
	3.0																									
135-200	3.0		680	318	305	202	412	230	360	150	580	245	575	M20X36	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	285
	4.0																									
155-250	4.0		815	380	360	224	500	285	420	190	705	300	700	M24X42	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	450
	5.5					247									265	230	300	5	M12	83	38	10×41.3				

WPEDA

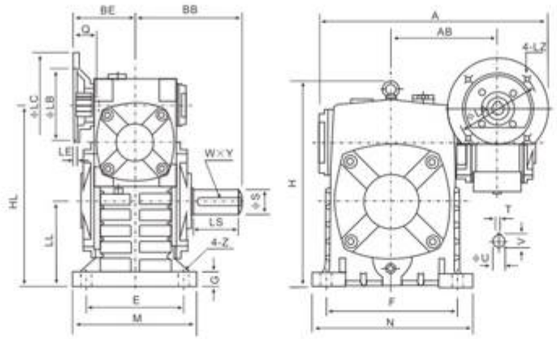


轴指向表示
SHAFT DIRECTION

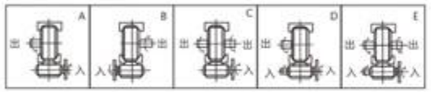


型号 size	入功率 (kw)	减速比 ratio	A	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12	200 300 400 100 600 800 900	287	126	131	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	169	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	190	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75		445			111												165	130	200		M10	42	19	6×21.8				
80-135	0.75		499	226	210	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5																						52	24	8×27.3				
80-147	0.75		504	229	212	125	203	270	501	123	105	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5																						52	24	8×27.3				
100-155	1.5		570	269	252	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2		631	287	262	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																												
135-200	3.0		680	318	305	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																												
155-250	4.0		815	380	360	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3				

WPEDS



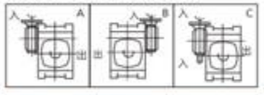
轴指向表示
SHAFT DIRECTION



型号 size	入功率 (kw)	减速比 ratio	A	AB	BB	BE	HL	LL	H	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12		287	126	131	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	169	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	190	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75	200	445			111										165	130	200		M10	42	19	6×21.8				
80-135	0.75	300	499	226	210	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5	400																			52	24	8×27.3				
80-147	0.75	100	504	229	212	125	430	203	495	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5	600																			52	24	8×27.3				
100-155	1.5	800	570	269	252	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2	900	631	287	262	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																										
135-200	3.0		680	318	305	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																										
155-250	4.0		815	380	360	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5					247										265	230	300	5	M12	83	38	10×41.3				

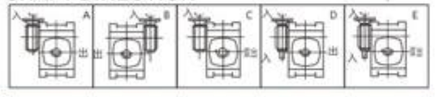
WPEDX

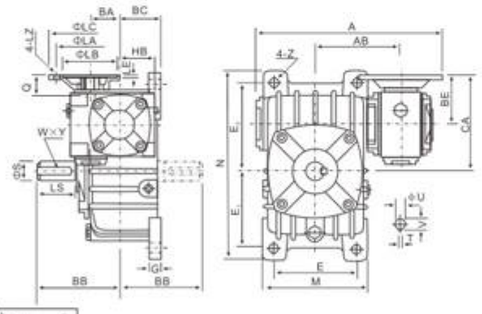
WPEDX轴指向表示
SHAFT DIRECTION



WPEDO

WPEDO轴指向表示
SHAFT DIRECTION

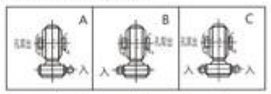


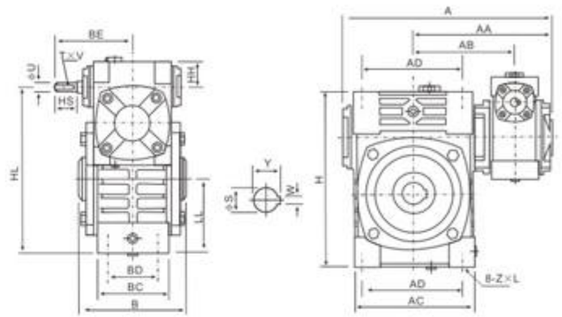


型号 size	入功率 (kw)	传动比 ratio	A	AB	BA	BB	BC	BE	HB	CA	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12		287	126	40	131	65	75	50	145	156	295	120	120	135	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	50	142	70	83	65	163	175	320	140	130	150	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	60	169	90	91	75	191	224	375	190	155	180	26	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	70	190	100	109	90	229	266	450	220	185	215	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	65
	0.75	200	445					111		231								165	130	200		M10	42	19	6×21.8				
80-135	0.75	300	499	226	80	210	110	125	105	260	306	495	260	210	235	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	98
	1.5	400																					52	24	8×27.3				
80-147	0.75	100	504	229	80	212	113	125	105	272	310	556	250	254	254	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5	600																					52	24	8×27.3				
100-155	1.5	800	570	269	100	252	140	148	130	303	350	590	290	245	295	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	152
120-175	2.2	900	631	287	120	262	150	181	155	356	394	640	320	267	323	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	194
	3.0																												
135-200	3.0		680	318	135	305	175	202	185	402	440	710	370	290	360	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	283
	4.0																												
155-250	4.0		815	380	155	360	200	224	203	474	510	860	440	350	440	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	450
	5.5							247		497								265	230	300	5	M12	83	38	10×41.3				

WPWEK

轴指向表示
SHAFT DIRECTION

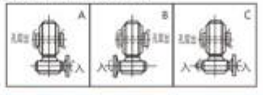


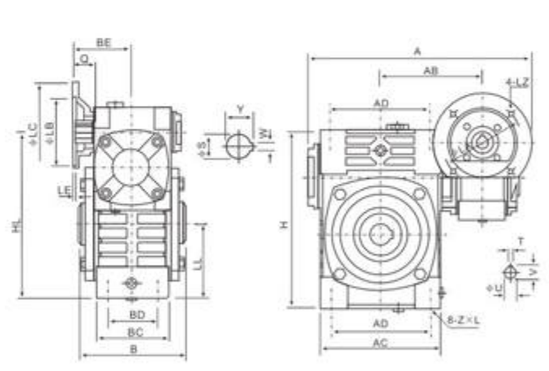


型号 size	传动比 ratio	A	AA	AB	B	BE	AC	BC	AD	BD	HH	HL	LL	H	ZxL	输入轴input hole HS	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70		262	171	126	132	89	152	86	125	65	35	200	90	215	M10 X25	25	12	4×2.5	30	8×33.3	17
50-80		297	197	144	150	107	169	102	140	70	35	235	105	250	M12X28	30	12	4×2.5	35	10×38.3	28
60-100	200	363	231	175	174	122	216	117	180	90	42	290	130	310	M12X30	40	15	5×3	40	12×43.3	43
70-120	300	408	256	193	180	140	256	124	220	100	55	345	155	370	M14X32	40	18	6×3.5	45	14×48.8	64
80-135	400	471	298	226	214	160	296	147	260	110	65	400	185	425	M16X35	50	22	6×3.5	60	18×64.4	99
100-155	500	555	354	269	256	190	345	185	280	120	80	458	203	461	M16X35	50	25	8×4	70	20×74.9	136
120-175	600	598	379	287	282	229	374	192	320	140	95	518	223	521	M16X35	65	30	8×4	80	22×85.4	193
135-200	800	662	425	318	324	260	412	230	360	150	105	580	245	575	M20X36	75	35	10×5	85	22×90.4	280
155-250	900	795	510	380	400	302	500	285	420	190	103	705	300	700	M24X42	85	40	12×5	110	28×116.4	442

WPWEDK

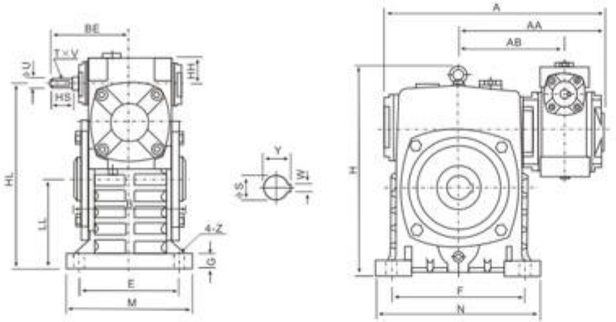
轴指向表示
SHAFT DIRECTION



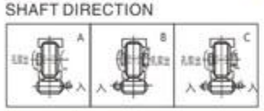


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	AC	BC	AD	BD	HL	LL	H	ZxL	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70	0.12		287	126	132	75	152	86	125	65	200	90	215	M10 X25	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	17
50-80	0.18		314	144	150	83	169	102	140	70	235	105	250	M12X28	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	28
60-100	0.37		387	175	174	91	216	117	180	90	290	130	310	M12X30	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	44
70-120	0.37		425	193	180	109	256	124	220	100	345	155	370	M14X32	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	66
	0.75	200	445			111									165	130	200		M10	42	19	6×21.8			
80-135	0.75	300	499	226	214	125	296	147	260	110	400	185	425	M16X35	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	101
	1.5	400																		52	24	8×27.3			
100-155	1.5	500	570	269	256	148	345	185	280	120	458	203	461	M16X35	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	139
120-175	2.2	600	631	287	282	181	374	192	320	140	518	223	521	M16X35	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	196
	3.0	800																							
135-200	3.0	900	680	318	324	202	412	230	360	150	580	245	575	M20X36	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	285
	4.0																								
155-250	4.0		815	380	400	224	500	285	420	190	705	300	700	M24X42	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	450
	5.5					247									265	230	300	5	M12	83	38	10×41.3			

WPEKS

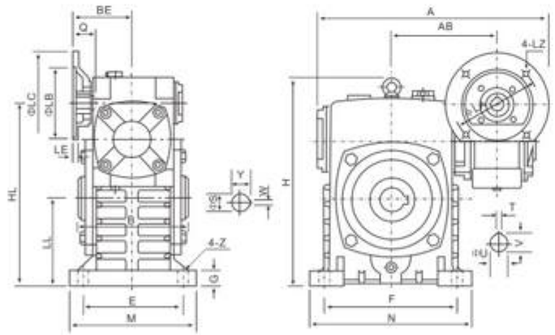


轴指向表示
SHAFT DIRECTION

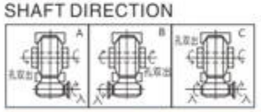


型号 size	传动比 ratio	A	AA	AB	B	BE	HH	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																	HS	U	T×V	S	W×Y	
40-70		262	171	126	132	89	35	215	105	238	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20
50-80	200	297	197	144	150	107	35	250	120	273	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27
60-100	300	363	231	175	174	122	42	310	150	334	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44
70-120	400	408	256	193	180	140	55	370	180	423	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73
80-135	500	471	298	226	214	160	65	430	215	482	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101
100-155	600	555	354	269	256	190	80	490	235	541	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144
120-175	800	598	379	287	282	229	95	555	260	600	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201
135-200	900	662	425	318	324	260	105	625	290	677	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293
155-250		795	510	380	400	302	103	755	350	824	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462

WPEDKS

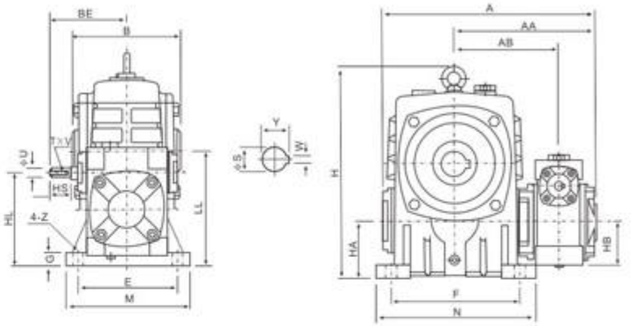


轴指向表示
SHAFT DIRECTION

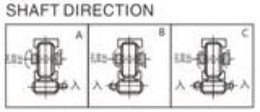


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	M	N	E	F	G	Z	电机法兰 flange					入力孔 input hole			输出轴 output shaft		重量 (kg)
																LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	132	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	150	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	174	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	200	425	193	180	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	300	445			111										165	130	200		M10	42	19	6×21.8			
80-135	0.75	400	499	226	214	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	500																			52	24	8×27.3			
100-155	1.5	600	570	269	256	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	800	631	287	282	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	900																								
135-200	3.0		680	318	324	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0																									
155-250	4.0		815	380	400	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247										265	230	300	5	M12	83	38	10×41.3			

WPEKA

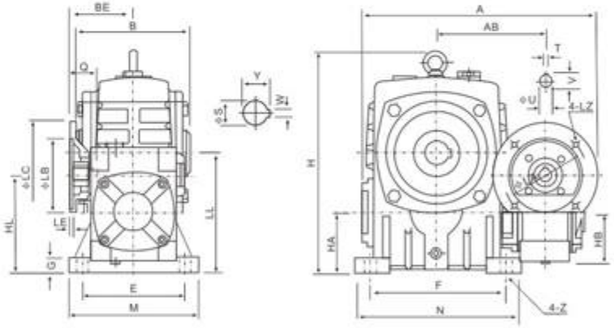


轴指向表示
SHAFT DIRECTION

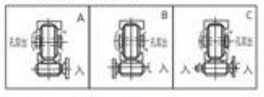


型号 size	传动比 ratio	A	AA	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																		HS	U	T×V	S	W×Y	
40-70		262	171	126	132	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20
50-80	200	297	197	144	150	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27
60-100	300	363	231	175	174	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44
70-120	400	408	256	193	180	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73
80-135	500	471	298	226	214	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101
100-155	600	555	354	269	256	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144
120-175	800	598	379	287	282	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201
135-200	900	662	425	318	320	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293
155-250		795	510	380	400	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462

WPEDKA

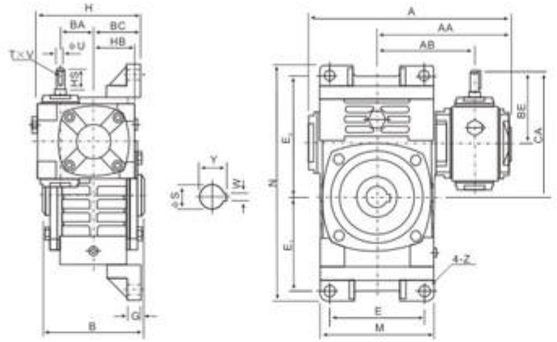


轴指向表示
SHAFT DIRECTION

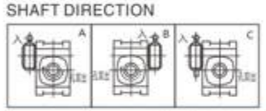


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰 flange					入力孔 input hole			输出轴 output shaft		重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	132	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	150	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	174	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	200	425	193	180	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	300	445			111												165	130	200		M10	42	19	6×21.8			
80-135	0.75	400	499	226	214	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	500																					52	24	8×27.3			
100-155	1.5	600	570	269	256	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	800	631	287	282	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	900																										
135-200	3.0		680	318	324	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0																											
155-250	4.0		815	380	400	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3			

WPWEKO

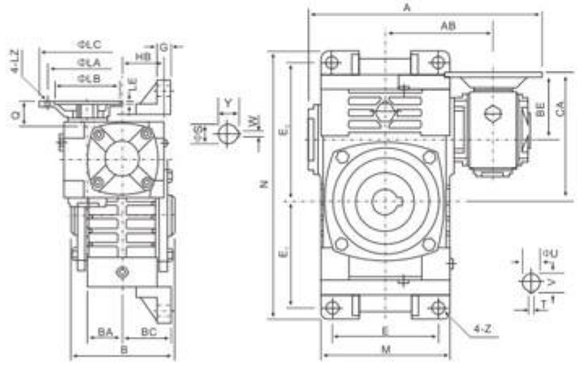


轴指向表示
SHAFT DIRECTION



型号 size	传动比 ratio	A	AA	AB	B	BA	BC	BE	HB	CA	H	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																			HS	U	T×V	S	W×Y	
40-70		262	171	126	132	40	65	89	50	159	140	152	305	120	120	155	20	15	25	12	4×2.5	30	8×33.3	19.5
50-80	200	297	197	144	150	50	70	107	65	187	155	174	350	140	140	180	20	15	30	12	4×2.5	35	10×38.3	30.5
60-100	300	363	231	175	174	60	90	122	76	222	192	224	410	190	165	215	22	15	40	15	5×3	40	12×43.3	47
70-120	400	408	256	193	180	70	100	140	90	260	225	264	494	220	195	255	25	18	40	18	6×3.5	45	14×48.8	69
80-135	500	471	298	226	214	80	110	160	105	295	255	304	559	260	230	285	30	18	50	22	6×3.5	60	18×64.4	105
100-155	600	555	354	269	256	100	140	190	130	345	320	345	605	290	250	305	35	21	50	25	8×4	70	20×74.9	163
120-175	800	598	379	287	282	120	150	229	155	404	365	374	675	320	273	348	40	21	65	30	8×4	80	22×85.4	208
135-200	900	662	425	318	324	135	175	260	185	460	415	424	749	370	305	390	40	24	75	35	10×5	85	22×90.4	302
155-250		795	510	380	400	155	200	302	203	552	458	510	920	440	375	475	45	28	85	40	12×5	110	28×116.4	476

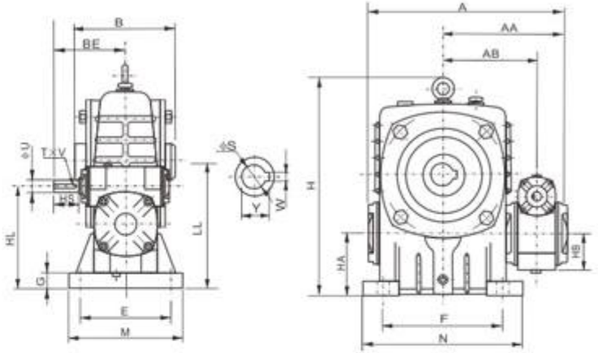
WPWEDKO



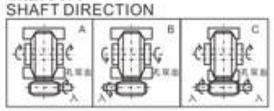
轴指向表示
SHAFT DIRECTION

型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BA	BC	BE	HB	CA	M	N	E	E_1	E_2	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	132	40	65	75	50	145	152	305	120	120	155	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	20
50-80	0.18		314	144	150	50	70	83	65	163	174	350	140	140	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	31
60-100	0.37		387	175	174	60	90	91	75	191	224	410	190	165	215	22	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	48
70-120	0.37	200	425	193	180	70	100	109	90	229	264	494	220	195	255	25	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	71
	0.75	300	445					111		231								165	130	200		M10	42	19	6×21.8			
80-135	0.75	400	499	226	214	80	110	125	105	260	304	559	260	230	285	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	107
	1.5	500																					52	24	8×27.3			
100-155	1.5	600	570	269	256	100	140	148	130	303	345	605	290	250	305	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	166
120-175	2.2	800	631	287	282	120	150	181	155	356	374	675	320	273	348	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	211
	3.0	900																										
135-200	3.0		680	318	324	135	175	202	185	402	424	749	370	305	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	307
	4.0																											
155-250	4.0		815	380	400	155	200	224	203	474	510	920	440	375	475	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	484
	5.5							247		497								265	230	300	5	M12	83	38	10×41.3			

WPWEKA

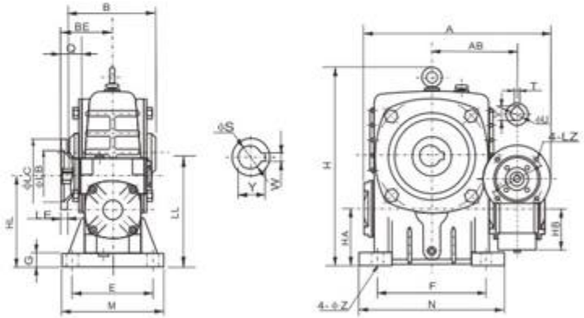


轴指向表示
SHAFT DIRECTION

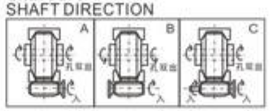


型号 size	传动比 ratio	A	AA	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																		HS	U	T×V	S	W×Y	
40-70		262	171	126	126	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20
50-80	200	297	197	144	136	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27
60-100	300	363	231	175	160	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44
70-120	400	408	256	193	180	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73
80-135	500	471	298	226	204	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101
100-155	600	555	354	269	250	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144
120-175	800	598	379	287	280	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201
135-200	900	662	425	318	324	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293
155-250		795	510	380	380	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462

WPWEDKA

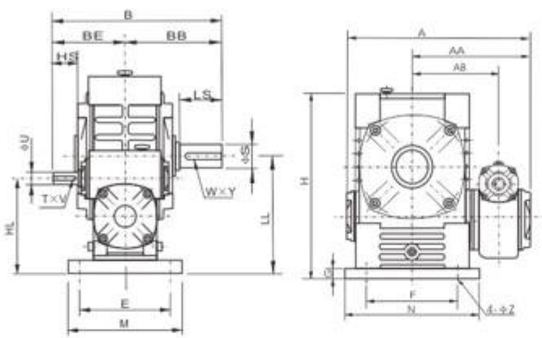


轴指向表示
SHAFT DIRECTION

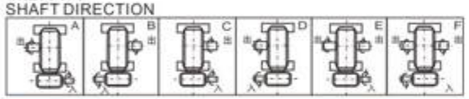


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	126	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	136	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	160	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	200	425	193	180	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	300	445			111												165	130	200		M10	42	19	6×21.8			
80-135	0.75	400	499	226	204	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	500																					52	24	8×27.3			
100-155	1.5	600	570	269	250	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	800	631	287	280	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	900																										
135-200	3.0		680	318	324	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0																											
155-250	4.0		815	380	380	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3			

WPWEA

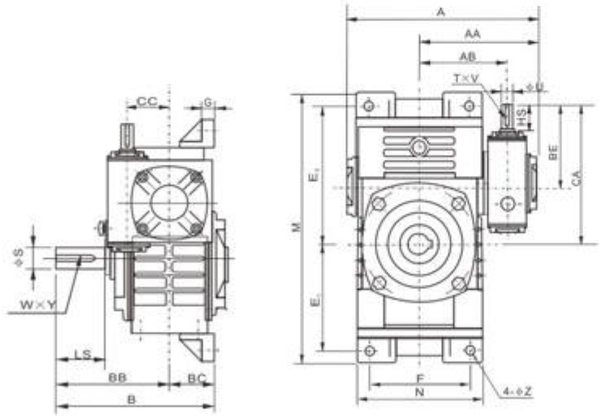


轴指向表示
SHAFT DIRECTION

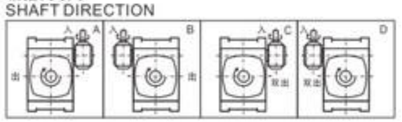


型号 size	传动比 ratio	A	AA	AB	B	BB	BE	HL	E	F	G	H	LL	M	N	Z	入力轴 input shaft			出力轴 output shaft			重量 (kg)
																	HS	U	T×V	LS	S	W×V	
40-70	1/200 1/300 1/400 1/500 1/600 1/800 1/900	260	171	126	220	131	89	113	115	150	18	233	143	150	190	15	25	12	4×2.5	60	28	8×4	19
50-80		297	192	139	245	140	105	133	135	180	18	268	163	170	220	15	30	12	4×2.5	65	32	10×5	27
60-100		337	215	161	283	163	120	160	155	220	20	330	200	190	270	15	40	15	5×3	75	38	10×5	44
70-120		412	258	195	325	185	140	190	180	260	25	395	240	230	320	18	40	18	6×3.5	85	45	14×5.5	73
80-135		475	300	230	370	210	160	215	200	290	30	455	270	250	350	18	50	22	6×3.5	95	55	16×6	101
100-155		549	349	265	430	252	178	235	220	320	32	493	290	280	380	21	50	25	8×4	110	60	18×7	144
120-175		605	385	290	492	262	230	280	250	350	37	558	335	310	410	21	65	30	8×4	110	65	18×7	201
135-200		674	431	323	565	305	260	310	290	390	45	620	375	360	435	24	75	35	10×5	125	70	20×7.5	293

WPWEO

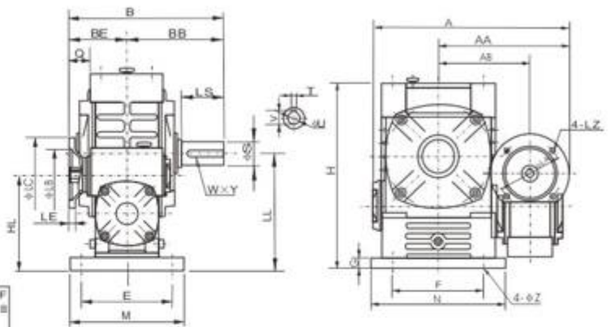


轴指向表示
SHAFT DIRECTION

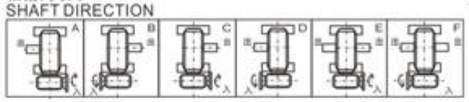


型号 size	传动比 ratio	A	AA	AB	B	BB	BC	BE	CA	CC	E_1	E_2	F	G	M	N	Z	入力轴 input shaft			出力轴 output shaft			重量 (kg)
																		HS	U	T×V	LS	S	W×Y	
50-80	1/200 1/300 1/400 1/500 1/600 1/800 1/900	297	192	139	210	140	70	105	185	50	140	180	140	20	350	174	15	30	12	4×2.5	65	32	10×5	26
60-100		337	215	161	253	163	90	120	220	60	165	215	190	20	410	224	15	40	15	5×3	75	38	10×5	44
70-120		412	258	195	285	185	100	140	260	70	195	255	220	25	495	264	18	40	18	6×3.5	85	45	14×5.5	63
80-135		475	300	230	320	210	110	160	295	80	230	285	260	30	560	304	18	50	22	6×3.5	95	55	16×6	95
100-155		549	349	265	392	252	140	178	333	100	250	305	290	35	605	330	21	50	25	8×4	110	60	18×7	145
120-175		605	385	290	412	262	150	230	405	120	273	348	320	40	675	370	21	65	30	8×4	110	65	18×7	185

WPWEDA

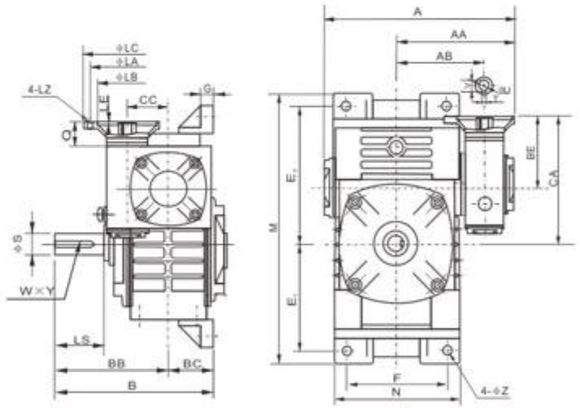


轴指向表示
SHAFT DIRECTION

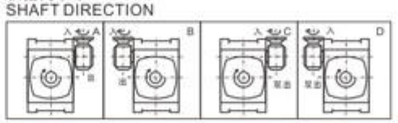


型号 size	入功率 (kw)	传动比 ratio	A	AA	AB	B	BB	BE	HL	E	F	G	H	LL	M	N	Z	电机法兰 flange					入力孔 input hole			输出轴 output shaft			重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12	1/200 1/300 1/400 1/500 1/600 1/800 1/900	287	196	126	206	131	75	113	115	150	18	233	143	150	190	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	20
50-80	0.18		314	209	139	224	140	84	133	135	180	18	268	163	170	220	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		363	241	161	255	163	92	160	155	220	20	330	200	190	270	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		429	275	195	295	185	110	190	180	260	25	395	240	230	320	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75		449	295														165	130	200		M10	42	19	6×21.8				
80-135	0.75		505	330	230	338	210	128	215	200	290	30	455	270	250	350	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5																						52	24	8×27.3				
100-155	1.5		565	365	265	397	252	145	235	220	320	32	493	290	280	380	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
	2.2		590	390		401		149										215	180	250		M12	63	28	8×31.3				
120-175	2.2		635	415	290	444	262	182	280	250	350	37	558	335	310	410	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																												
135-200	3.0		691	448	323	505	305	200	310	290	390	45	620	375	360	435	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																												

WPWEDO



轴指向表示
SHAFT DIRECTION



型号 size	入功率 (kw)	传动比 ratio	A	AA	AB	B	BB	BC	BE	CA	CC	E_1	E_2	F	G	M	N	Z	电机法兰 flange					入力孔 input hole			输出轴 output shaft			重量 (kg)
																			LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
50-80	0.18	1/200 1/300 1/400 1/500 1/600 1/800 1/900	314	209	139	210	140	70	84	164	50	140	180	140	20	350	174	15	115	95	140	4	M8	25	11	4×12.8	65	32	10×5	27
60-100	0.37		363	241	161	253	163	90	92	192	60	165	215	190	20	410	224	15	130	110	160	4	M8	35	14	5×16.3	75	38	10×5	45
70-120	0.37		429	275	195	285	185	100	110	230	70	195	255	220	25	495	264	18	130	110	160	4	M8	35	14	5×16.3	85	45	14×5.5	65
	0.75		449	295															165	130	200		M10	45	19	6×21.8				
80-135	0.75		505	330	230	320	210	110	128	263	80	230	285	260	30	560	304	18	165	130	200	4.5	M10	45	19	6×21.8	95	55	16×6	98
	1.5																							52	24	8×27.3				
100-155	1.5		565	365	265	392	252	140	145	300	100	250	305	290	35	605	330	21	165	130	200	5	M10	52	24	8×27.3	110	60	18×7	152
	2.2		590	390					149	304									215	180	250		M12	62	28	8×31.3				
120-175	2.2		635	415	290	412	262	150	182	357	120	273	348	320	40	675	370	21	215	180	250	5	M12	65	28	8×31.3	110	65	18×7	194
	3.0																												

减速机选型方法
Reducer Selection Methods

✪ 选型要素 Selection Methods

★ 输入功率、输出转矩

输入功率和输出转矩的转换公式如下：

输入功率P(kW)=输出转矩T(N.m)x输出轴转速N_2(r/min)/(9549x效率η)

减速机输入功率为减速机的输入动力容量，输出转矩为减速机许用承载能力，均在产品的各“功率、转矩”表中列出，可供选型时参照选用。

★ Input power & output torque

The formula of transforming input power to output torque listed as follows:

Input power p(kw) = output torque (n.m) x output Revolving speed n_2(r/min)/(9549xefficiency η)

Input power denotes the dynamical capacity of a reducer ,and output torque denotes the maximum load a reducer allows, which are both listed in power and torque tables in order to serving selection.

★ 输入轴转速、输出轴转速

输入轴和输出轴转速的转换公式如下：

输出轴转速N_2(r/min)=输入轴转速N_1(r/min)/传动比i

当减速机以皮带轮、链轮及联轴器传动时，输入轴转速不宜超过2000(r/min)，一般转速范围600～1800(r/min)。转速过高易使轴承加重磨擦而缩短寿命。

★ Revolving speed of input shaft and output shaft

The formula of transforming input revolving speed to output listed as follows:

Output revolving speed N_2(r/min)=input revolving speed N_1(r/min)/ratio I

With belt-pulley, couplings or sprocket wheel Shaft transmisson, the input speed should not exceed 2000(r/min); the general range is 600-1800RPM.if the revolving speed is too high, the bearing will have less life due to ver-friction.

★ 效率

效率计算公式如下：

效率η=(输出功率/输入功率)×100%

由于减速机运转时内部存在磨擦及振动，部分输入能量将转化为热能等非工作消耗，效率就是减速机输入能量的利用率，效率的高低取决于蜗杆头数、蜗杆转速、润滑油粘度、轴承磨擦阻力及蜗轮副材质的磨擦系数等。每种规格、传动比的减速机，其效率数值各不相同，下表列出效率的范围数值，可供选型时参考：

★ Efficiency

The efficiency calculation formula listed as follows:

Efficiency η=output power x 100%/input power

Due to the internal vibration and wear, partial input energy will be transformed to be heat energy and fade away, efficiency is the utilization ratios of input energy.The efficiency depends on worm's tooth number, revolving speed, lubricant oil viscidity, bearing friction and worm gear s material friction factor, Reducers with vary model or ratio have vary efficiency. The following table lists the range of the efficiency value.

速比 Ratio	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
效率 efficiency	77~90%	76~88%	75~84%	72~82%	68~82%	64~75%	62~72%	60~71%

★ 输入轴、输出轴回转方向

蜗杆减速机输出轴回转方向取决于蜗杆螺牙方向，基本型蜗杆减速机均为右旋螺牙。以本公司产品样本上WPA照片为依据，面对输入轴、输出轴观看，当输入轴顺时针方向旋转时，输出轴旋转方向为逆时针；以WPS照片为依据，面对输入轴、输出轴观看，当输入轴顺时针方向旋转时，输出轴旋转方向为顺时针；其余各种输出轴装配结构可按以上方法判定转向。当按特殊需要蜗杆螺牙方向制成左旋时，情况正好相反。

★ Revolving direction of input and output shaft

The revolving direction of output shaft relies on worm thread's direction; right-directed thread is for basic use. According to the photograph of WPA in our product manual, facing input shaft and output shaft,when input shaft is in clockwise,output shaft is in counterclockwise;and according to the photograph of WPS, facing input shaft and output shaft, when input shaft is in clockwise,output shaft is in clockwise, too.

★ 工况系数

减速机在设计时，其输入动力容量及许用承载能力的强度计算按照每天连续运转八小时，载荷稳定不变的理想工况设定，在实际使用时，现场工况(如：是否有反复启动停止或频繁正反转，使用时间是否少于或多于八小时，冲击载荷大小及特性)可能与理想工况相差甚远，在选型时应予充分考虑，在选用减速机输入功率或输出转矩时，可按下列公式加以修正：

修正输出转矩T_2(N.m)=理论输出转矩T_1(N.m)×工况系数K

★ Running Condition Factor

When reducer is designed, the input load capacity and allowed intensity are calculated per a continual operation of 8 hours a day and per the ideal conditions of a uniform load design. However, the on-site use(e.g. Repetitive start-up, stop or obverse and reverse rotation, use time more or less than 8 hours a day, different value and characteristics of impact load from standard conditions and so on)may be different from ideal use which should be taken into account. While selecting reducer input power or output torque, revise them according to the following formula:

Revised output torque T2(N.m)=theoretic output torque t1(N.m)Xrunning condition factor K

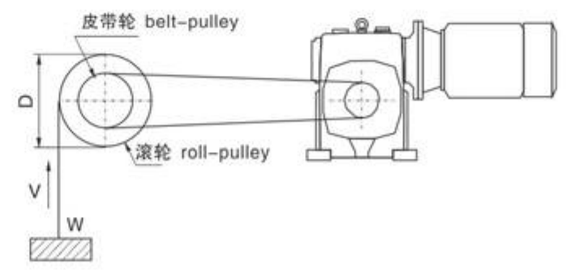
✪ 工况系数K值表
Table of runnung condition factor k

原动机 prime mover	载荷状况 load	每日运转时间（小时） Operation time per day(hour) 0.5~2	2~6	6~10	10~24
电动机 electro-motor	平稳载荷 uniform	0.80	0.90	1.00	1.25
	中等冲击 medium shock	0.90	1.00	1.25	1.50
	较大冲击 heavy shock	1.00	1.25	1.50	1.75

注：当正反转或停开次数一小时内达10次以上时，上表K值还应乘以1.2
Annotate:when the times of start-up, stop or obverse per hour is more than 10,the value k multiply1.2

选型实例
Selection example

✪ 基本情况 The basic condition

传动结构 transmission structur	相关数据 relative data
	● 起吊物体重量 W=600kg ● weight of suspended object w=600kg
	起吊物体速度 V=12m/min speed of suspended object v=12m/min
	● 滚轮直径 D=0.4m ● roll-pulley diameter D=0.4m
	皮带轮传动效率 η_1=0.92 efficiency of belt-pulley η_1=0.92
	● 减速机传动效率 η_2=0.71 ● efficiency of reducer η_2=0.71
	运转时间 8小时/日 Running time 8 hours per day
	● 启动次数 2次/小时,较大冲击 ● 2 times per hour heavy shock
	● 使用电源 三相380V,50Hz ● Electrical source three-phase 380v, 50Hz

选型步骤
Selection steps

序号 Number	内容 Contents	计算公式 Formula	计算示例 Example
1	定传动比 Calculate ratio	根据输入轴及输出轴的转速确定传动比 1. 计算皮带轮转速N_2 N_2=起吊速度V/(滚轮直径Dx π) 2. 计算总传动比i i=输入轴转速N_1/皮带轮转速N_2 3. 计算减速机传动比i_1 i_1=总传动比i/皮带轮传动比i_2 Calculate the ratio according to input and output shaft revolving speed 1. get belt-pullet revoling speed N_2 N_2=speed of suspended object V/(roll-pulley diameter Dx π) 2. calculate general ratio I i=input revolving speed N_1/belt-pulley revolvling sped N_2 3. Calculate reducer ratio i_1 i_1=general ratio i/belt-pulley ratio i_2	1. N_2=12/(0.4x3.142) =9.6r/min 2. i=1440/9.6 =150 3. 设定i_2=5,则 i_1=150/5 =30 1. N_2=12/(0.4x3.142) =9.6r/min 2. i=1440/9.6 =150 3. Assumei_2=5,then i_1=150/5 =30
2	计算输出转矩 Calculate output torque	计算减速机输出转矩T T=物体重量Wx10x滚轮半径(D/2)/(皮带轮传动传动比i_2x皮带轮传动效率 η_2) Calculate reducer output torque T T= weight of suspended object Wx10xroll-pullet radius(D/2)/(belt-pulley ratio I2 xbelt-pulley transmission efficiency η_2)	T =600x10x(0.4/2)/(0.92x5) =260.9N.m
3	修正输出转矩 Revise output torque	根据使用条件,8小时运转,较大冲击,工况系数K=1.5 计算修正输出转矩T_1 T_1=输出转矩TxK According to using condition:operatio 8 hours a day, heavy shock,running condition factor K=1.5 calculate revised torque T_1 T_1= output torque TXk	T_1=260.9x1.25 =326N.m
4	计算输入功率 Calculate input power	换算功率P P=修正输出转矩Tx输出轴转速N_2/(9549x减速机传动效率 η_2) Calculate input shaft power P P= revised output torque T_1 x output revolving speed N_2/(9549xreducer transmission efficiency η_2)	P =326x(1440/30)/(9549x0.71) =2.3kW
5	选型号规格 Select model	根据产品样本,选定型号120.传动比1/30.输入轴功率3KW.输出轴转矩413N.m According to product manual, the selection is, model 120, ratio 1/30,rating input power 3kw, output torque 413N.m	

承载能力表
Dynamical Capacity Table

✪ **WP.WPK.WPW.WPWK(A.S.X.O.T.V)** 输入轴功率及输出轴转矩表 input and output
输入轴转速 speed of input shaft:1500r/min

功率及转矩 power and moment / 传动比 ratio / 型号 size	输入轴功率 input(kw)								输出轴转矩 output(N.m)							
	10	15	20	25	30	40	50	60	10	15	20	25	30	40	50	60
40	0.40	0.33	0.26	0.24	0.22	0.16	0.14	0.12	19	23	20	25	25	20	22	20
50	0.65	0.52	0.40	0.37	0.34	0.27	0.24	0.20	31	36	32	38	39	36	37	35
60	1.00	0.82	0.65	0.59	0.54	0.45	0.40	0.32	50	58	56	68	62	71	75	59
70	1.60	1.35	1.10	0.96	0.82	0.67	0.61	0.52	83	98	101	112	99	104	113	97
80	2.20	1.78	1.36	1.28	1.20	0.90	0.80	0.75	113	133	120	149	151	140	145	146
100	3.60	3.10	2.60	2.35	2.10	1.68	1.30	1.00	193	237	258	284	277	291	257	229
120	5.20	4.35	3.50	3.25	3.00	2.20	1.90	1.50	262	336	361	404	413	392	399	355
135	9.75	7.85	6.00	5.50	5.00	3.69	2.89	2.30	540	622	619	696	707	667	626	562
147	10.71	8.43	6.18	5.71	5.23	3.84	3.09	2.52	586	676	637	727	739	694	669	616
155	12.80	9.90	7.00	6.53	6.00	4.40	3.61	3.00	709	785	722	842	848	784	770	791
175	17.30	13.60	10.00	9.13	8.30	6.18	4.85	4.07	958	1091	1044	1221	1189	1133	1127	1078
200	22.60	18.20	13.86	12.75	11.67	8.78	6.71	5.58	1280	1477	1482	1643	1782	1654	1516	1449
250	33.20	27.40	21.60	20.00	18.43	14.00	10.43	8.62	1881	2266	2310	2579	2745	2674	2357	2371

注：型号147暂无WPW (A.S.X.O.T.V) 及WPWK (A.S.O.T.V)

✪ **WPD.WPDK.WPWD.WPWDK.(A.S.X.O.T.V)** 型输入轴功率及输出轴转矩表 input and output
输入轴转速 speed of input shaft:1500r/min （配用AO2或Y系列电机 Matching electric motor series AO2 or Y）

功率及转矩 power and moment / 传动比 ratio / 型号 size	输入轴功率 input(kw)								输出轴转矩 output(N.m)							
	10	15	20	25	30	40	50	60	10	15	20	25	30	40	50	60
40	0.12								6	8	9	13	14	15	19	20
50	0.18								9	12	14	19	20	24	28	34
60	0.37								19	26	34	42	42	58	67	73
70	0.75					0.37			39	54	70	87	95	58	68	70
80	1.5					0.75			77	112	142	174	189	117	136	146
100	1.5								80	115	149	181	198	260	307	344
120	3					2.2			151	232	310	372	413	392	480	521
135	4					3			219	321	413	509	565	542	649	690
147	4					3			219	321	413	509	565	542	649	690
155	5.5					4			305	411	525	709	760	713	853	1039
175	7.5					5.5			415	602	783	1002	1074	1008	1278	1450
200	11					7.5			623	892	1176	1417	1680	1413	1695	1948
250	15					11			850	1246	1604	1933	2234	2101	2486	3025

注：型号147暂无WPW (A.S.X.O.T.V) 及WPWK (A.S.O.T.V)

WPE.WPEK.WPEW.WPWEK
WPED.WPEDK.WPWED.WPWEDK (A.S.X.O)型

输入轴功率及输出轴转矩表 input and output
输入轴转速 speed of input shaft:1500r/min

型号 size	功率及转矩 power and torque	WPE.WPEK.WPEW.WPWEK 传动比 ratio							WPED、WPEDK、WPWED、WPWEDK 传动比 ratio						
		200	300	400	500	600	800	900	200	300	400	500	600	800	900
40-70	输入轴功率 (kw)	0.48	0.34	0.28	0.25	0.23	0.20	0.17	0.12	0.12	0.12	0.12	0.12	0.12	0.12
	输出轴转矩 (N.m)	250	250	250	250	250	250	250	63	88	107	120	130	150	177
50-80	输入轴功率 (kw)	0.65	0.51	0.42	0.38	0.31	0.29	0.25	0.18	0.18	0.18	0.18	0.18	0.18	0.18
	输出轴转矩 (N.m)	350	350	350	350	350	350	350	97	124	150	166	203	217	252
60-100	输入轴功率 (kw)	0.95	0.67	0.52	0.44	0.40	0.35	0.33	0.37	0.37	0.37	0.37	0.37	0.37	0.37
	输出轴转矩 (N.m)	500	500	500	500	500	500	500	195	276	356	420	463	529	561
70-120	输入轴功率 (kw)	1.64	1.18	0.91	0.84	0.71	0.58	0.54	0.75	0.75	0.75	0.75	0.37	0.37	0.75
	输出轴转矩 (N.m)	840	840	840	840	840	840	840	384	534	692	750	486	536	887
80-135	输入轴功率 (kw)	2.50	1.75	1.39	1.19	1.08	0.98	0.85	1.5	1.5	1.5	1.5	0.75	0.75	1.5
	输出轴转矩 (N.m)	1400	1400	1400	1400	1400	1400	1400	616	880	1108	1294	1010	1071	1426
80-147	输入轴功率 (kw)	2.79	2.1	1.71	1.47	1.34	1.20	1.06	1.5	1.5	1.5	1.5	0.75	0.75	1.5
	输出轴转矩 (N.m)	1575	1575	1575	1575	1575	1575	1575	662	902	1208	1316	1300	1321	1575
100-155	输入轴功率 (kw)	3.69	2.92	2.41	2.07	1.89	1.69	1.50	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	输出轴转矩 (N.m)	2100	2100	2100	2100	2100	2100	2100	854	1079	1307	1522	1667	1864	2100
120-175	输入轴功率 (kw)	5.09	3.91	3.27	2.72	2.53	2.50	2.05	3	3	3	3	2.2	2.2	3
	输出轴转矩 (N.m)	3050	3050	3050	3050	3050	3050	3050	1798	2340	2798	3050	2500	2685	3050
135-200	输入轴功率 (kw)	7.22	5.41	4.46	3.83	3.46	2.91	2.71	4	4	4	4	3	3	4
	输出轴转矩 (N.m)	3950	3950	3950	3950	3950	3950	3950	2188	2920	3543	3950	3950	3950	3950
155-250	输入轴功率 (kw)	11.71	8.14	6.00	5.14	4.67	4.07	3.67	5.5	5.5	5.5	5.5	4	4	5.5
	输出轴转矩 (N.m)	6050	6050	6050	6050	6050	6050	6050	2841	4087	5546	6050	6050	6050	6050

注：型号80-147暂无WPWE (A.S.X.O) 及WPWEK (A.S.O)

安装与使用
Installation & Usage

安装注意事项 Notices Of Installation

★减速机须安装在平整坚固的底座上，底脚螺栓必须紧固、防震。
★原动机-减速机-工作机的各联接轴伸，安装后必须互相准确对准轴线。
★减速机输入端及输出端轴伸外径公差尺寸均按h6制作，与之相配的联轴器、皮带轮、链轮等传动件内孔须按合适的公差尺寸配制，避免装配过紧损坏轴承，装配过松影响正常动力传递。
★链轮、齿轮等传动件装上轴伸时，应尽量靠近轴承,以减少轴伸弯曲应力。
★WPD型减速机装配电机时，应在蜗杆头部内孔孔壁及键槽处涂抹黄油，避免装配过紧，防止轴孔日久生锈。
★订购使用各类WPD减速机时，若电机重量偏大，应设支撑装置。

★The base-plate must be plane and stoutness, and the base-bolts must be screwed down and Shockproof.
★The connecting shafts of prime mover, reducer and operation device must be coaxial after Installation.
★The diameter tolerance zone of input and output shaft is h6, the holes of fittings (such as Couplings, beltpulley, sprocket wheel and so on) must properly mate the shaft, which prevents bearing from Breakage because of over-tight mate or avoid effecting normal power transmission because of over-loose mate.
★Driers such as sprocket wheel and gear must be fitted close to bearings in order to reduce bending stress of hanging shaft.
★v While assembling motor fo WPD reducer, it is necessary that proper amount of butter applies to the worm shaft input hole and keyway, avoiding assembling too tightly and rusting after using for a long time.
★When ordering or using all kinds of WPD type, if the motor weight is bigger than the Common, supporting set is required.

使用注意事项 notices of usage

★使用前应注意检查减速机型式结构、中心距规格、传动比、输入轴连接方式、输出轴结构、输入轴输出轴轴指向和回转方向等是否符合使用要求。
★按照样本上“润滑油的选择使用”中所规定的要求，注入合适的品种牌号润滑油。加油后，旋紧顶部的通气器，拔掉通气器上之小锥塞，减速机方可开始运转。必须选用合适牌号的润滑油，必须控制适宜的加油量，必须按规定要求及时换油，尤其要重视首次使用100小时后的更换新油。
★使用过程中发生不正常情况时，应及时停机检查，可参照“故障原因及解决办法”表处理。(减速机的油温最高允许达到95℃，在此温度界限下，只要油温不再上升，可以放心使用) 。

★Before using, please check carefully whether the reducer model, distance, ratio, input connecting method, output shaft structure, input and output shaft direction and revolving direction accord with requirement.
★ According to the requirement of “ selecting lubricant oil” in the product manual, please fill proper category and brand lubricant. And then screw on the vent-plug, uncork the small cone-plug of vent-plug. Only after doing these, reducer is ready for starting up running. The proper brand and adequate lubricant oil is required; replacing oil in time conforming to the request of product manual is also necessary, especially after using first 100 hours ,it is required refilling new oil.
★ When abnormal circumstances occur, please stop and check reducer per “ solutions and reasons for faults of reducer” (allowable highest oil temperature is 95℃,under this temperature limit, if oil temperature no more goes up, please let reducer continue running).

润滑油的选择使用
Choice of Lubricant

蜗杆减速机使用前应注入N220～N320（环境温度-30℃～40℃）或N320～N460（环境温度40℃～65℃）润滑油至油标中心点之上，并取掉通气器上之小锥塞。首次使用100小时后，洗净内部换上新油，以后每2500小时换油一次。

Before operating worm gear speed reducer, add N220~N230(ambient temperature-30℃ ~40℃), N320~N460(ambient temperature 40℃~65℃) lubrication oil upto the center line of the oil gauge. In the meanwhile, remove the small screw of the air –vent. After having worked for 100 hours for the first time, must clear the inside and change new lubrication oil in it, Do so here after every 2500 hours of operation.

✪ 减速机在使用时，可按下表选用润滑油
Lubricants for a reducer used in foreign countries can be chosen from the table below

Worm shaft speed (r/min) over	Worm shaft speed (r/min) up to	Lubricant	Operating Position Worm Shaft, upper Worm Shaft Vertical	Operating Position Worm Shaft, lower Output Shaft Vertical
1000	3000	Synthetic oils	PG 460	PG 220
	1000			PG 460
2000	3000	Mineral oils	ISO VG 460	ISO VG 200
750	2000			ISO VG 320
250	750			ISO VG 460
	250		ISO VG 680	ISO VG 680

周围温度 Ambient Temp	负荷 Load	ISO VG	GB3141-82	壳牌 Shell	莫比尔 Mobil	美国齿轮制造商协会 AGMA	中国石化
-30℃--15℃	普通 Commonly	VG-100	N100	Shell Omala 100	Gear 627	5	HD-100
	重 Weight	VG-150	N150	Shell Omala 150	Gear 629	7	HD-150
-15℃-5℃	普通 Commonly	VG-150	N150	Shell Omala 150	Gear 629	7	HD-150
	重 Weight	VG-220	N220	Shell Omala 220	Gear 630	7EP	HD-220
5℃-25℃	普通 Commonly	VG-220	N220	Shell Omala 220	Gear 630	7EP	HD-220
	重 Weight	VG-320	N320	Shell Omala 320	Gear 632	6	HD-320
25℃-40℃	普通 Commonly	VG-320	N320	Shell Omala 320	Gear 632	6	HD-320
	重 Weight	VG-460	N460	Shell Omala 460	Gear 634	8	HD-460
40℃-65℃	普通 Commonly	VG-460	N460	Shell Omala 460	Gear 634	8	HD-460
	重 Weight	VG-680	N680	Shell Omala 680	Gear 636	8EP	HD-680

After the first 100 hours of operation:
Drain unit and flush with light oil. refill

Every 2500 hours of operation:
Drain; flush and refill.

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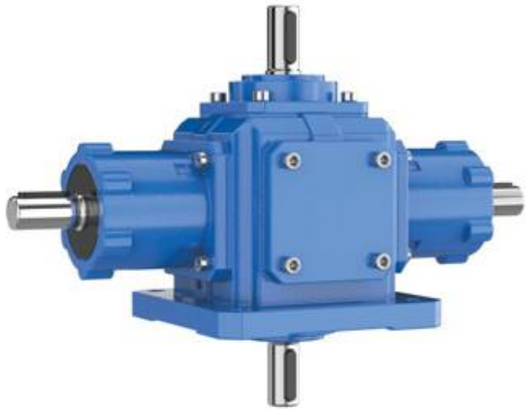
WP系列蜗轮蜗杆减速机
WP Series Worm Gear Reducer

故障原因及解决办法
Reasons and solutions for the faults of reducer

故障情况 Fault description	故障原因 Reasons	解决办法 Solutions
过热 Overheating	原动机、减速机、工作机连接不当 Improper Connection Among Prime, Reducer And The Operation Device	调整至适当位置，使三者相联轴线同轴 Adjust to proper position
	超负荷运转 Overloading	适当调整负荷 Adjust to proper load
	油封过度磨擦 Over Friction Of Oil Seals	在油封唇口处滴润滑油 Drop lubricant at oil seal
	润滑油过多或过少 Lubricant Oil Overmuch Or Shortage	按油标指示点调整油量 Adjust to proper oil quantity as indication
	润滑油杂质多或润滑性差 Much Impurity In Oil Or Inferior Oil	更换合适新油 Refill proper oil
振动 Vibration	原动机、减速机、工作机固定不良 Prime Move, Reducer And The Operation Device Mount Badly	查出固定不良部位，正确固紧 Find out the bad place, tighten it
	蜗轮副齿部磨耗或损伤 Tooth Surface Of Worm Gear Sets Worn-out Or Damaged	更换蜗轮副(需要时本公司配合) Replace worm gear sets(we will cooperate with you when necessary)
	轴承磨损 Bearing Worn-out	更换轴承 Replace bearing
	螺栓松脱 Bolt Loose	固紧螺栓 Tighten screw
杂音 Noise	轴承损伤或间隙过大 Bearing Damaged Or Too Large Clearance	更换轴承 Replace bearing
	蜗轮副齿合不良 Worm Gear Sets Mesh Badly	修整齿面或更换蜗轮副(请与本公司联系) Mend tooth surface or replace worm gear sets(please contact to us)
	润滑油不足 Lubricant Oil Shortage	按油标指示点补加润滑油 Fill in adequate oil as indication
	机体内有异物 Foreign Object In Box	倒净润滑油带出异物，重加清洁润滑油 Discharge all the oil In order to put out foreign object, and refill clean oil
漏油 oil leakage	油封唇口磨损 Oil Seal Lip Worn-out	更换油封 Replace oil seal
	油封档轴颈磨损 Shaft Of Oil Seal Area Worn-out	更换输出轴或输入轴 Replace input or output shaft
	油量过多 Too Much Oil	按油标指示点调整油量 Discharge adequate oil as indication
	放油螺塞未旋紧 Oil Screw Plug Loose	螺纹处加密封胶，旋紧螺塞 Tighten oil screw plug
	油标破损 Oil Gauge Damaged	更换油标 Replace oil gauge
出力轴不转 Power shaft does not turn	蜗轮、蜗杆过热 Worm, worm overheated	更换或维修 Replacement or maintenance
	轴承损坏 Bearing damage	更换轴承 Replacement of bearings
	异物侵入 Foreign invasions	去除异物并更换润滑油 Removal of foreign matter and replacement of lubricants
	蜗轮、蜗杆过度磨损 Worm wheel, worm excessive wear	更换蜗轮或蜗杆 Replace worm wheel or worm
蜗轮副齿面磨损过快 tooth surface of worm gear sets abrade extra-quickly	超负荷运转 Overload	调整至适当负荷 Adjust to proper loading
	润滑油不符合要求 Lubricant Oil Not According With Requirement	更换合适的润滑油 Replace proper lubricant oil
	润滑油不足 Lubricant Oil Shortage	按油标指示点加足润滑油 Fill adequate oil as indication
	未按规定适时换油，润滑油劣化 Not Replacing Lubricant Oil In Time According To Requirement, Oil Deteriorates	按规定要求适时换油 Replacing oil In time according to requirement
	运转温度过高 Overheating While Running	1.按“过热”故障处理 2.采取合适措施，降低环境温度 1.Deal with it as overheating 2.Adopting proper measures to make environment temperature fall

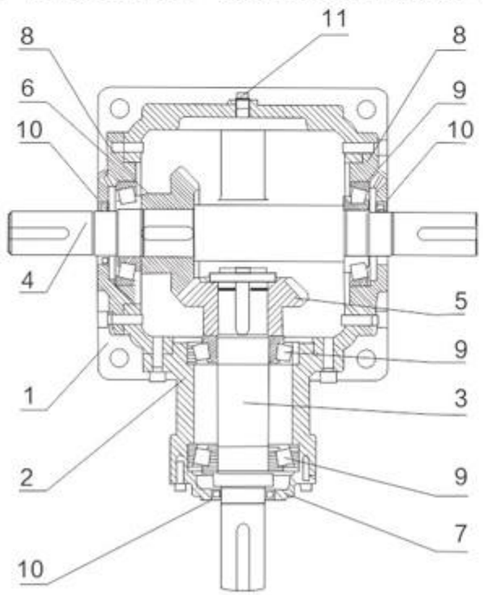
注：如果发生其他故障无法解决时，请随时与我们联系，以便提供咨询服务。
Annotate: If other faults not listed above occur, please contact with us at any moment, our company will supply thorough consultation and service.

T系列螺旋锥齿轮传动箱
T Series spiral bevel gearbox



1.1 T系列一级螺旋锥齿轮传动箱，标准化，多品种，速比1:1、1.5:1、2:1、2.5:1、3:1、4:1、5:1全部为实际传动比。平均效率98%。
1.2 有单轴、双横轴、单纵横、双纵轴可选。
1.3 螺旋锥齿轮可以运转，低速或高速传动平稳，而且噪声低，振动小，承受力大。
1.1 T series spiral bevel gearbox, production standardization, multi-viety, Ratio of 1:1、1.5:1、2:1、2.5:1、3:1、4:1 and 5:1, they are normal Ratio. Average efficienly 98%.
1.2 There are one input shaft, two input shafts, unilatoral output shaft and Double side output shaft.
1.3 Spiral bivel gear are both position and reverse rotation lows sp Nuodun or hight sp Nuodun operate stably and noise low, vibra tion Gently carrying larger force.

2、T系列结构图 T series structure drawing



1、机座	Housing
2、横轴座	Housing of input shaft
3、横 轴	Input shaft
4、纵轴	Output shaft
5、横轴锥齿轮	Drive spiral bevel gear
6、纵轴锥齿轮	Drive sporal bevel gear
7、端盖	Bearing seat of input shaft
8、端盖	Bearing seat of input shaft
9、轴承	Bearing
10、油封	Oil Seal
11、油镜	Oil gauge

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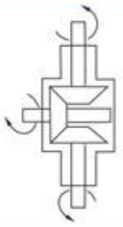
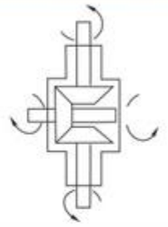
T Series Spiral Bevel Gearbox

3、转向功能 Function of rotation

1 横 轴 Input shaft		2 横 轴 Input shaft	
2轴2-extended shaft	3轴3-extended shaft	3轴3-extended shaft	4轴4-extended shaft
			

说明：当输入轴旋转方向改变，输出轴相应改变。
Specification:Direction of rotation of output shaft varies with that of input shaft.

4、选定输入轴时应注意转速关系:(1:1传动比时无关系)
Pay attention to the ratio when.fixing the input side (there is nothing incase of ratio of 1:1)

5、型号表示方法 T series model notes

1 产品代码 Product Code
T--螺旋锥齿轮传动箱
T--spiral bevel gearbox

2 机座号
Size of gear units

3 速比 ratio
增速：1:2 减速：2:1
Multiplier:1:2 Reducer:2:1

4 轴配置
Shaft arrangement

5 安装方法
Mounting position

6、T系列重量表 T series Weight table

Type	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
m(kg)	2	10	21	32	49	78	124	188	297	488

7、T系列Fr(N)表 T series Fr(N) table

iN	n1 (r/min)	T2		T4		T6		T7		T8		T10		T12		T16		T20		T25	
		横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴
1:1	1450	265	216	833	951	1911	2450	2450	3136	3234	3381	4165	4508	5096	5586	10633	10976				
	1150	323	235	882	1029	2058	2597	2744	3234	3479	3626	4459	4851	5488	6076	11368	11760	15386	15608		
	870	402	255	960	1127	2205	2842	2989	3381	3773	3969	4851	5292	5880	6566	12446	12740	16660	17150	24794	25480
	580	549	314	1078	1323	2499	3185	3381	3822	4263	4459	5488	5880	6713	7301	14014	14504	18816	19404	28028	28910
	400	637	353	1372	1715	3185	3528	4018	4900	4851	5978	6272	7056	7742	8134	15680	16170	21070	21756	31360	32340
	300	696	392	1519	1960	3430	3528	4410	5537	5243	6958	6713	7987	8232	9065	17150	17640	23422	24108	34300	35280
	200	784	441	1911	1960	3430	3528	5096	6272	7889	8820	8575	9604	9261	10290	19600	19894	25970	26754	38612	39788
	100	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11368	12593	22540	22540	28420	32928	39200	49000
	10	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000
1.5:1 2:1 2.5:1 3:1	1450			1078	1960	2548	2842	3430	5390	4361	7987	5194	9212	5978	10486	5978	12152	7630	14602		
	1150			1078	1960	3038	3087	4067	5978	5096	8820	6174	10486	7252	12152	6419	13083	8771	17934	12985	24647
	870			1078	1960	3430	3332	4753	6076	6076	8820	7448	11760	8869	14504	6958	14210	9506	19453	13573	29400
	580			1078	1960	3430	3528	5096	6174	7644	8820	9555	11760	11466	14504	7840	16072	10780	22001	15680	33222
	400			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	8820	17934	12005	24598	17542	37142
	300			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	9604	19600	13132	27342	19159	40474
	200			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	10829	22148	14798	30282	21658	45766
	100			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	13328	22540	18228	33320	26656	49000
	10			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000

备注：各规格更低的输出转速按以上最大的Fr值。
Notes: If there is lower output speed，please choose the maximum Fr in the above table.

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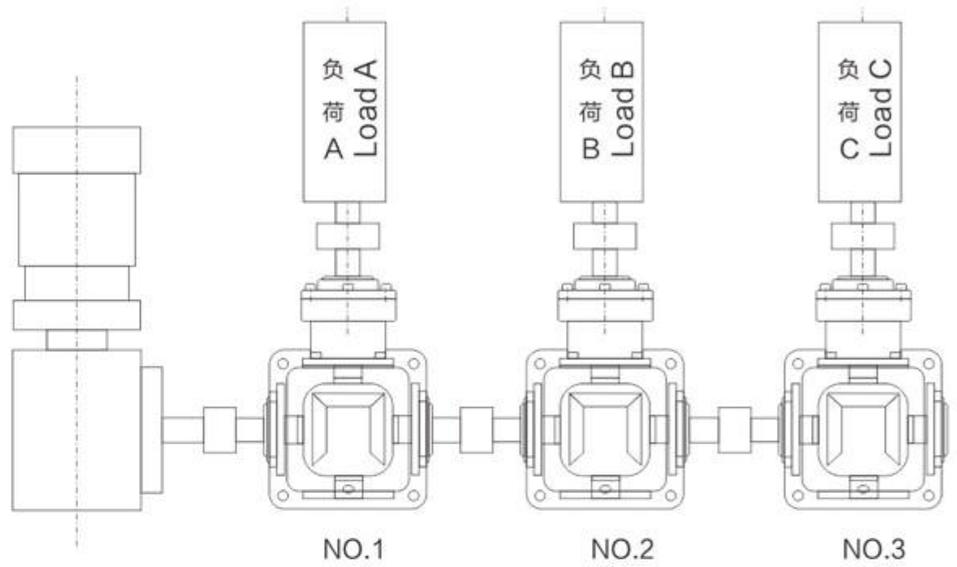
T Series Spiral Bevel Gearbox

8、T系列举例 T series selection example



3台负载全部为196N.m，一般冲击，每天连续工作8小时，即使用系数fs=1.25,斜齿轮输入轴转速300r/min,速比全部为1：1。

根据公式：

每台转向器本身所需的负载MN2≥M2×fs=196×1.25=245N.m

※1号转向器 因1号转向器本身的负载为245N.m，而2号、3号转向器需通过1号转向器传递扭矩。
所以1号转向器应承担的负载为:245N.m+245N.m+245N.m=735N.m，依据传动能力表，应选T12。

※2号转向器 除本身的负载245N.m，还需传递3号转向器的扭矩。所以总负载应为245N.m+245N.m=490N.m，依据传动能力表，应选T10。

※3号转向器 由于仅一个负载C进行运转，即所需负载在245N.m以上即可，依据传动能力表可选T08。

Torque values of three gear reducer are 196Nm,uniform impulsire force, operate continuous for 8 hour per day, the at is, useful factor fs=1.25, input speed of 300rpm,ratio of 1:1.

Calculate according to formula:

Required torque of any of gearbox MN2 is equal to 245Nm or larger.

No.1 gear reducer No.1 gear reducer carry torque 245Nm,but No.2 and No.3 gear reducer need transfer torque through No.1,Consequently No.1 gear reducer should carry torque 735Nm(245Nm+245Nm+245Nm),select T12.according to transmission capacity table.

No.2 gear reducer No.3 gear reducer still transfers torque of No.3gear reducer besides torque of 245Nm,so,the total torque is 490Nm(245Nm+245Nm),select T10 according to trans-mission capacity table.

No.3 gear reducer Required torque is more than 245Nm because of only load C according to transmission capacity Table select T 08.

9、T系列传动能力表 T series transmission capacity table

i_N	n1 (r/min)	T2		T4		T6		T7		T8	
		M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)
1:1	1450	11.6	1.79	31.9	4.94	96.0	14.9	142	22.0	294	45.6
	1150	11.7	1.43	34.1	4.19	103	12.7	150	18.4	305	37.5
	870	12.1	1.12	37.2	3.46	113	10.5	164	15.2	312	29.0
	580	12.1	0.747	39.5	2.45	119	7.35	184	11.4	319	19.8
	400	12.3	0.524	40.2	1.72	122	5.20	195	8.34	326	14.0
	300	12.3	0.396	40.5	1.30	123	3.93	198	6.35	331	10.6
	200	12.4	0.226	41.2	0.880	124	2.66	201	4.30	338	7.23
	100	12.7	0.136	41.9	0.448	127	1.36	206	2.20	346	3.70
	10	13	0.014	43.0	0.046	132	0.141	214	0.228	361	0.386
1.5:1	1450					117	12.1	145	15.0	185	19.1
	1150					122	9.96	147	12.0	188	15.4
	870					123	7.66	150	9.30	191	11.8
	580					126	5.23	153	6.32	197	8.14
	400					128	3.66	155	4.41	200	5.70
	300					129	2.77	157	3.35	203	4.34
	200					131	1.87	160	2.28	204	2.91
	100					134	0.957	163	1.16	210	1.49
	10					139	0.099	169	0.12	218	0.155
2:1	1450	12.1	0.94	42.8	3.32	102	7.90	137	10.6	180	14.0
	1150	12	0.74	43.4	2.67	104	6.39	139	8.55	183	11.3
	870	12	0.58	43.8	2.04	105	4.88	141	6.56	187	8.70
	580	11.9	0.37	44.4	1.38	108	3.34	144	4.47	191	5.92
	400	12.2	0.26	45.1	0.96	109	2.33	146	3.12	194	4.15
	300	11.9	0.19	45.5	0.73	110	1.76	148	2.37	196	3.14
	200	12.2	0.13	46.1	0.49	111	1.18	149	1.59	198	2.12
	100	11.2	0.06	46.6	0.25	114	0.608	152	0.812	202	1.08
	10	28.1	0.015	48.5	0.026	116	0.062	157	0.084	209	0.112
2.5:1	1450					96.2	5.97	113	6.99	184	11.4
	1150					97.2	4.78	115	5.64	185	9.11
	870					99.0	3.68	116	4.30	188	7.00
	580					100.0	2.48	118	2.92	192	4.76
	400					100.9	1.73	120	2.05	195	3.34
	300					102.9	1.32	121	1.55	197	2.53
	200					103.9	0.88	123	1.05	200	1.71
	100					104.9	0.448	123	0.528	203	0.867
	10					107.8	0.046	126	0.054	208	0.089
3:1	1450					93.6	4.84	105	5.42	159	8.20
	1150					94.8	3.88	106	4.34	160	6.55
	870					95.9	2.97	108	3.34	163	5.04
	580					97.6	2.02	109	2.25	166	3.42
	400					99.0	1.41	111	1.58	168	2.39
	300					100	1.07	111	1.18	169	1.80
	200					100	0.712	113	0.803	171	1.22
	100					102	0.363	115	0.409	173	0.619
	10					104	0.037	118	0.042	179	0.064
4:1	1450					80.6	3.12	93.4	3.62	124	4.80
	1150					81.5	2.50	94.3	2.90	125	3.83
	870					82.4	1.92	95.9	2.23	127	2.95
	580					84.1	1.30	96.9	1.50	129	2.00
	400					85.1	0.91	98.7	1.05	131	1.40
	300					86.1	0.69	98.3	0.79	131	1.05
	200					86.0	0.46	101	0.54	134	0.71
	100					87.7	0.23	101	0.27	135	0.36
	10					89.3	0.02	101	0.03	140	0.04
5:1	1450					52.0	1.61	57.4	1.78	68.7	2.13
	1150					52.5	1.29	58.0	1.43	69.2	1.70
	870					53.2	0.99	59.0	1.10	70.4	1.31
	580					54.2	0.67	59.6	0.74	71.7	0.89
	400					54.9	0.47	60.7	0.52	72.6	0.62
	300					55.5	0.36	60.4	0.39	72.9	0.47
	200					55.4	0.24	61.7	0.26	74.1	0.32
	100					56.5	0.12	62.9	0.13	75.1	0.16
	10					57.6	0.01	64.5	0.01	77.8	0.02

1、横轴转速未达到10r/min时，请使用10r/min的数据。

2、▭以上有浅蓝色标识得规格订货时须咨询，横轴输入转速超过1450r/min时，向本公司咨询。

动力无极限 传动更精彩 Power has no limits drive more wonderful
T系列螺旋锥齿轮传动箱
T Series Spiral Bevel Gearbox

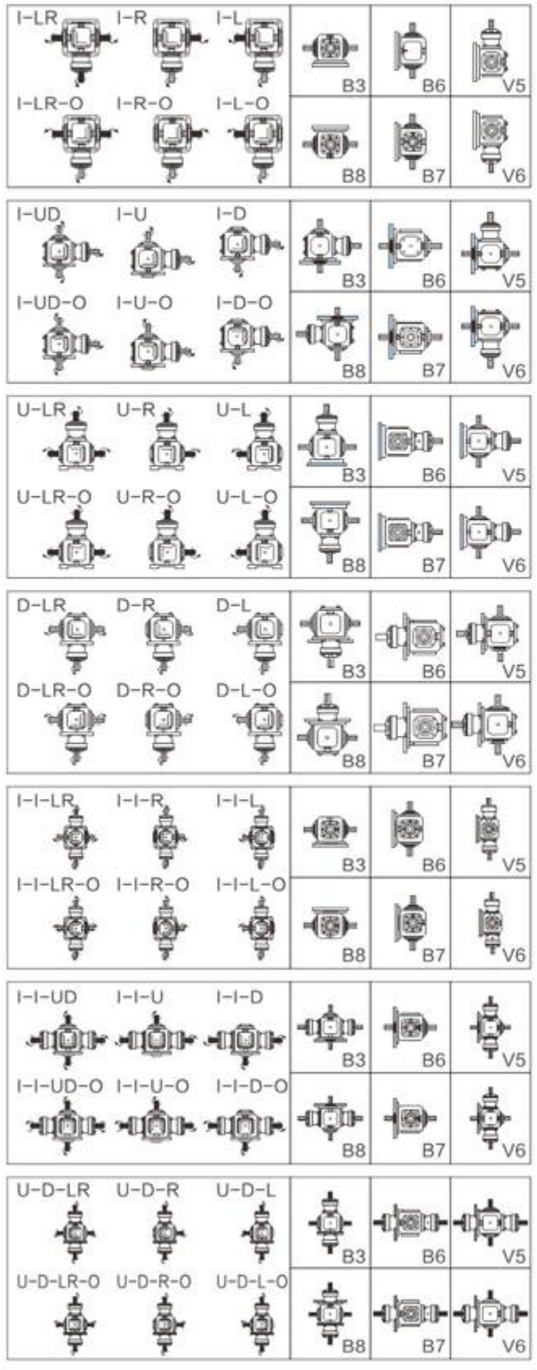
i_N	n1 (r/min)	T10		T12		T16		T20		T25	
		M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)	M_{n2} (N.m)	P_{N1} (kW)
1:1	1450	421	65.3	619	96.0	1019	163				
	1150	453	55.7	665	81.1	1098	139	1842	234		
	870	479	44.6	726	67.5	1186	114	2009	193	3489	335
	580	493	30.6	802	49.7	1343	85.9	2274	145	3940	252
	400	504	21.5	821	35.1	1499	66.1	2538	112	4410	195
	300	513	16.4	835	26.8	1637	54.1	2744	90.8	4792	159
	200	521	11.1	852	18.2	1784	39.3	3126	69.0	5390	119
	100	535	5.72	875	9.36	1842	20.3	3205	35.3	5439	60.0
	10	561	0.599	919	0.983	1940	2.14	3205	3.53	5713	6.30
1.5:1	1450	374	38.7	564	58.3						
	1150	380	31.2	601	49.2						
	870	389	24.1	656	40.7						
	580	396	16.4	699	28.9						
	400	406	11.6	711	20.3						
	300	411	8.78	724	15.5						
	200	417	5.95	736	10.5						
	100	426	3.04	754	5.37						
	10	443	0.316	785	0.56						
2:1	1450	305	23.6	516	40.0	921	73.7	1578	126		
	1150	309	19.0	516	31.7	938	59.5	1607	102	3146	199
	870	315	14.6	516	24.0	958	46.0	1646	79.0	3224	155
	580	322	10.0	524	16.3	980	31.3	1695	54.2	3332	107
	400	328	7.02	538	11.5	1000	22.0	1725	38.0	3420	75.4
	300	332	5.33	543	8.71	1009	16.7	1754	29.0	3479	57.5
	200	338	3.61	551	5.89	1029	11.3	1784	19.7	3557	39.2
	100	344	1.84	563	3.01	1058	5.84	1833	10.1	3646	20.1
	10	357	0.191	586	0.313	1098	0.605	1921	1.06	3822	2.11
2.5:1	1450	293	18.2	507	31.4						
	1150	298	14.7	514	25.3						
	870	302	11.2	523	19.5						
	580	310	7.68	535	13.3						
	400	315	5.38	545	9.32						
	300	317	4.06	552	7.08						
	200	321	2.75	560	4.79						
	100	326	1.40	568	2.43						
	10	336	0.144	588	0.251						
3:1	1450	270	14.0	458	23.6	904	48.2	1529	82.3	2935	158
	1150	275	11.3	464	19.0	920	38.9	1561	66.6	3045	130
	870	279	8.66	469	14.6	940	30.1	1598	51.6	3135	101
	580	285	5.89	480	9.92	960	20.4	1644	35.4	3246	69.9
	400	288	4.11	490	6.98	978	14.4	1672	24.8	3317	49.3
	300	291	3.11	495	5.29	990	10.9	1701	18.9	3372	37.6
	200	294	2.10	501	3.57	1005	7.38	1733	12.9	3449	25.6
	100	300	1.07	510	1.82	1038	3.82	1777	6.60	3537	13.1
	10	308	0.110	527	0.188	1076	0.40	1865	0.69	3713	1.4
4:1	1450	241	9.35	434	16.8	850	34.3	1452	58.7	2798	113
	1150	246	7.54	441	13.5	865	27.7	1483	47.5	2892	92.6
	870	249	5.78	448	10.4	884	21.4	1518	36.8	2978	72.2
	580	254	3.93	456	7.07	902	14.6	1562	25.2	3084	49.8
	400	247	2.74	465	4.97	919	10.2	1588	17.7	3151	35.1
	300	259	2.08	470	3.77	9.0	7.8	1616	13.5	3204	26.8
	200	262	1.40	476	2.54	944	5.3	1646	9.17	3276	18.2
	100	267	0.71	485	1.30	976	2.7	1688	4.70	3360	9.36
	10	275	0.07	501	0.13	1011	0.3	1772	0.49	3527	0.98
5:1	1450	136	4.21	296	9.18	814	26.3	1391	44.9	2631	85.0
	1150	138	3.39	301	7.39	828	21.2	1420	36.4	2771	71.0
	870	140	2.60	305	5.68	847	16.4	1454	28.2	2853	55.3
	580	143	1.77	311	3.86	864	11.2	1496	19.3	2954	38.2
	400	144	1.23	318	2.72	881	7.85	1521	13.6	3018	26.9
	300	146	0.93	321	2.06	891	5.96	1548	10.3	3069	20.5
	200	148	0.63	325	1.39	905	4.03	1577	7.03	3138	14.0
	100	150	0.32	331	0.71	935	2.08	1617	3.60	3218	7.17
	10	155	0.03	342	0.07	969	0.22	1697	0.38	3378	0.75

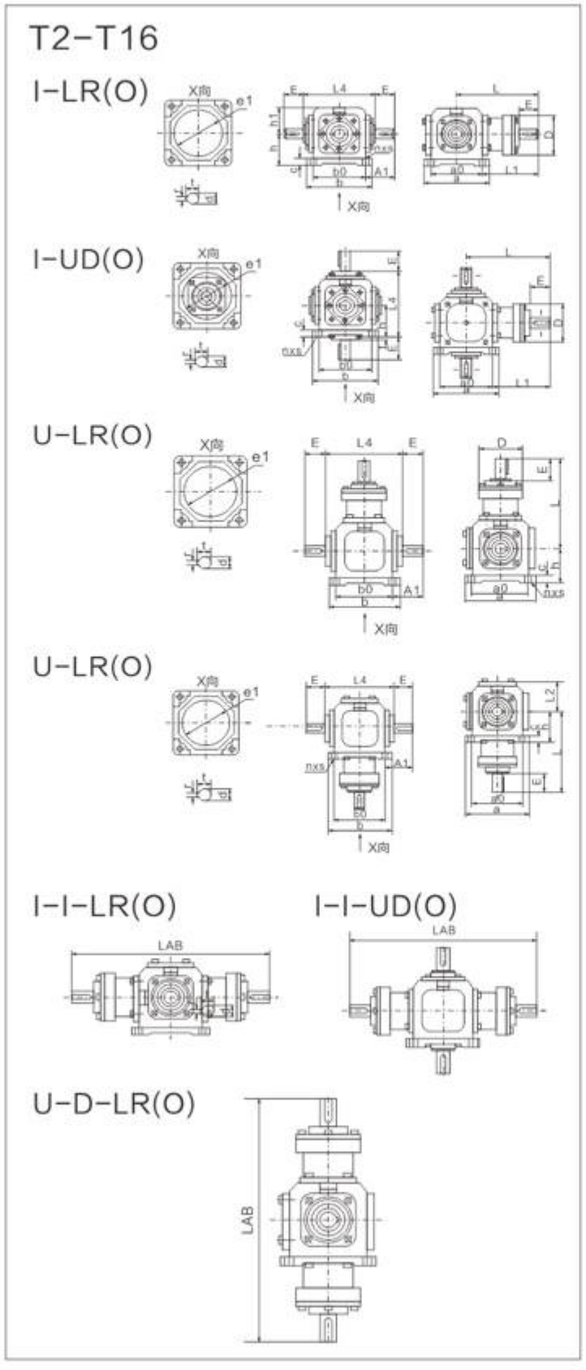
1、If speed is less than 10rpm, please choose 10rpm.

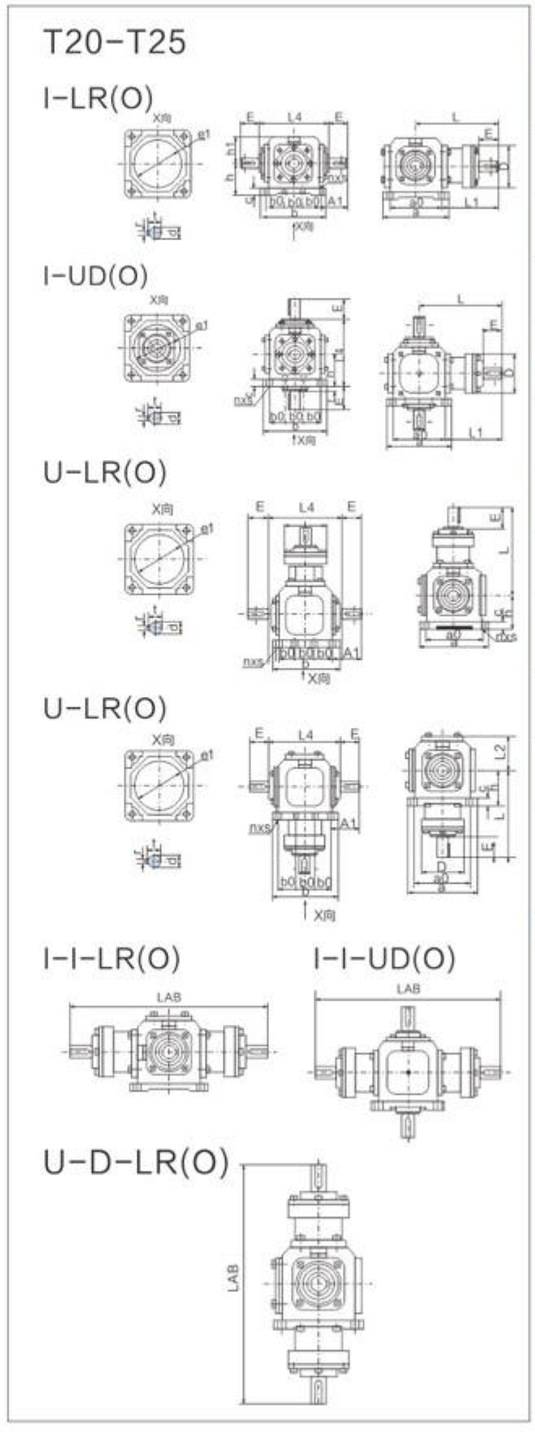
2、▭Please contact us, when order the model with light blue sign or that input speed is more than 1450rpm.

10、轴配置及轴旋转方向的关系、安装方位及尺寸图表

The relationship between shaft arrangements and direction of shaft rotation, Mounting position and dimension sheets.





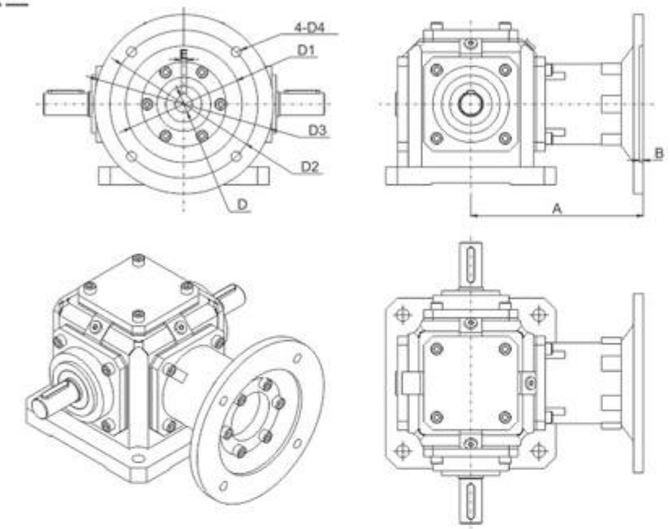


	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
A1	48	53.5	81	88	110.5	120	130	150	195	235
a	100	155	190	210	235	285	340	390	490	580
a0	84	125	152	174	195	240	290	330	430	520
b	100	155	190	210	235	285	340	390	410	480
b0	84	125	152	174	195	240	290	330	110	130
c	10	17	17	20	22	25	32	40	40	40
D	58	76	115	125	150	155	168	193	220	270
d(h7)	15	19	25	32	40	45	50	60	72	85
E	33	38	50	62	75	90	100	105	105	130
e1(H8)xF	94x3	155x5	190x5	220x5	250x5	305x5	370x5	420x7	360x10	430x10
f	5	2	17	13	18	10	0	10	10	10
h	52	76	90	100	115	140	175	200	245	290
h1	40	60	76	87	98	118	165	186	217	255
L	124	180	222	265	308	360	415	455	545	660
L1	82	117.5	146	178	210.5	240	270	290	330	400
L2	52	76	89.5	99	114.5	138	165	186	217	255
L4	114	156	214	226	266	300	350	420	510	600
LAB	/	360	444	530	616	720	830	/	/	/
n	4	4	4	4	4	4	4	4	8	8
r	5	6	8	10	12	14	14	18	20	22
s	9	10.5	14	14	14	16	21	25	21	24
t	17	21.5	28	35	43	48.5	53.5	64	76.5	90

注意：当速比是4:1和5:1时，纵轴尺寸不变，横轴尺寸更改如下：
Note: When ratio is 4:1 and 5:1,dimenssion of output shaft is changeless, but that of input is changed as follows:

		T6	T7	T8	T10	T12	T16	T20	T25
4:1	d(h7)	19	22	28	32	36	50	55	70
	E	38	50	62	62	75	100	105	105
	L	210	253	295	332	390	450	545	637
	L1	134	178	212.5	242	270	300	345	400
	LAB	420	566	590	664	780	900	1090	1274
	r	6	6	8	10	10	14	16	20
	t	21.5	24.5	31	35	39	53.5	59	74.5
5:1	d(h7)	19	22	28	32	36	42	50	60
	E	38	50	62	62	75	90	100	105
	L	210	253	295	332	390	440	540	637
	L1	134	178	212.5	242	270	300	340	410
	LAB	420	566	590	664	780	880	1080	1262
	r	6	6	8	10	10	12	14	18
	t	21.5	24.5	31	35	39	45	53.5	64

DT+IEC电机输入法兰



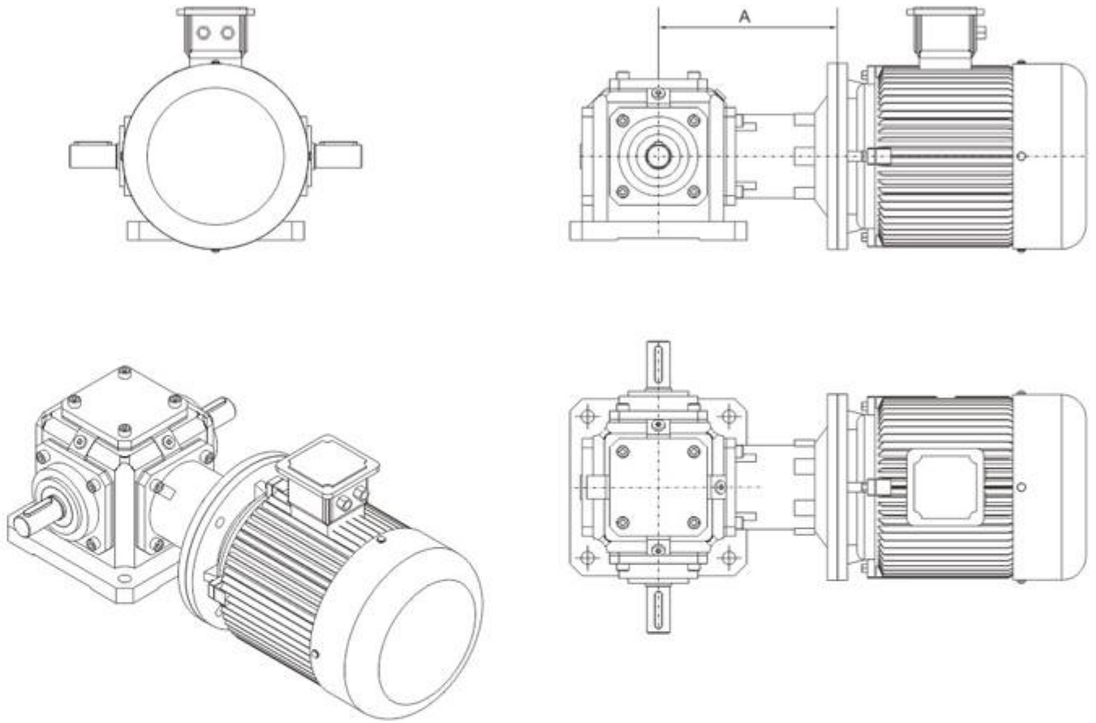
DT4 - 1:1 - LR - O - B3 + 71B5
1 2 3 4 5

1 DT4:系列号 2 1:1:速比 3 LR-O:轴指向 4 B3:安装型式 5 71B5:IEC法兰型号

型号	参数								
	输入	A	B	D	D1	D2	D3	D4	E
DT4	71B5	154	7	14	110	130	160	9	5
	71B14	154	6	14	70	85	105	6.6	5
	80B5	154	7	19	130	165	200	11	6
	80B14	154	4	19	80	100	120	6.6	6
DT6	80B5	192.5	4.5	19	130	165	200	11	6
	80B14	192.5	6	19	80	100	120	6.6	6
	90B5	192.5	4.5	24	130	165	200	11	8
	90B14	192.5	6	24	95	115	140	9	8
DT7	90B5	231	4.5	24	130	165	200	11	8
	90B14	231	6	24	95	115	140	9	8
	100B5	231	6	28	180	215	250	13.5	8
	100B14	231	7	28	110	130	160	9	8
DT8	100B5	273	6	28	180	215	250	13	8
	112B5	273	6	28	180	215	250	13	8
DT10	112B5	307	6	28	180	215	250	13	8
	132B5	307	6	38	230	265	300	13	10

注明：DT+系列模块组合产品，仅仅适用于转向器的速比i=1的场合

DT+IEC电机的组合模式



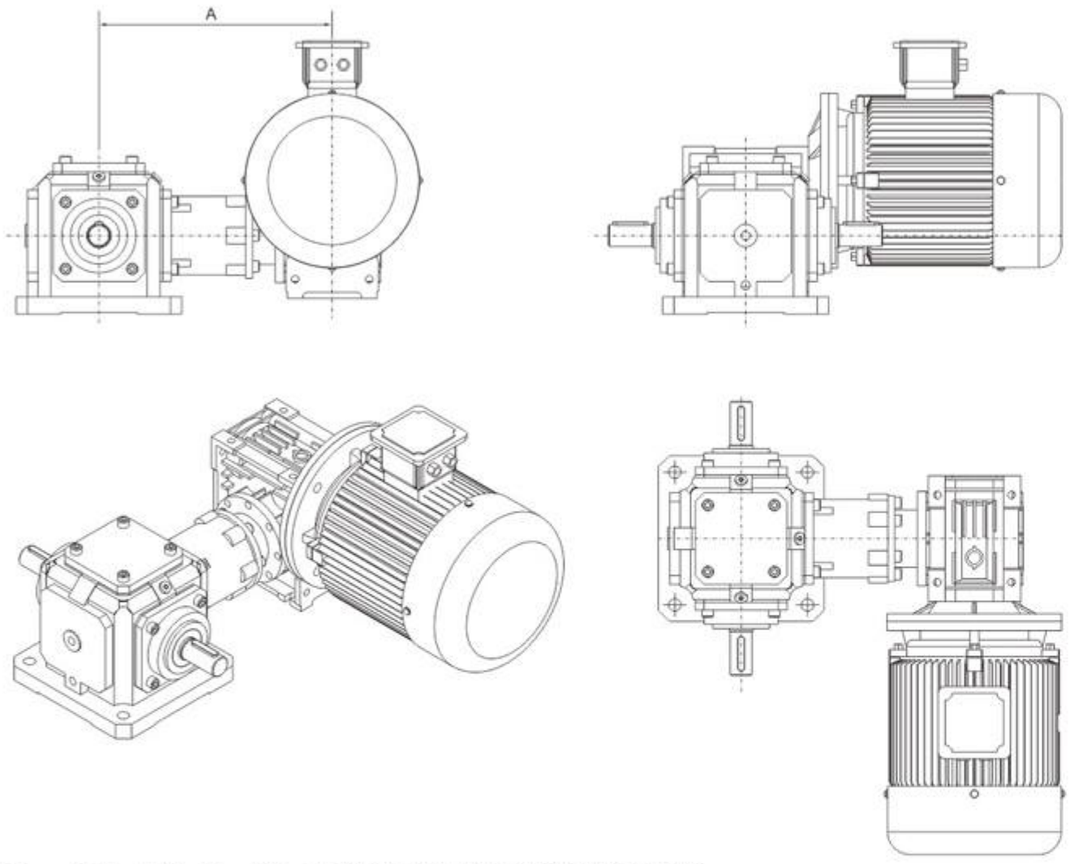
DT4 - 1:1 - LR - O - B3 + Y0.37KW/4P/B14
1 2 3 4 5

1 DT4:系列号
2 1:1:速比
3 LR-O:轴指向
4 B3:安装型式
5 Y0.37KW/4P/B14:电机型号

DT系列型号	+	可选电机功率(4极电机)				A
DT4	+	0.25KW	0.37KW	0.55KW	0.75KW	154
DT6	+	0.55KW	0.75KW	1.1KW	1.5KW	192.5
DT7	+	1.1KW	1.5KW	2.2KW	3KW	231
DT8	+	2.2KW	3KW	4KW		273
DT10	+	3KW	4KW	5.5KW	7.5KW	307

注明：DT+系列模块组合产品，仅仅适用于转向器的速比i=1的场合

DT+RV的模块组合模式



DT4 - 1:1 - LR - O - B3 + RV40-10-Y0.37KW/4P/B14
1 2 3 4 5

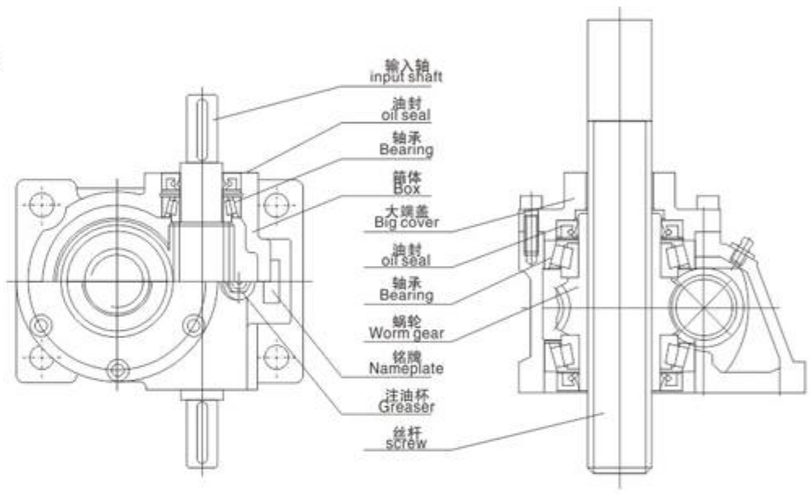
1 DT4:系列号
2 1:1:速比
3 LR-O:轴指向
4 B3:安装型式
5 RV40-10-Y0.37KW/4P/B14:RV减速机型号及电机功率

DT系列型号	+	RV系列型号	A
DT4	+	RV40	230.5
DT6	+	RV63	289.5
DT7	+	RV75	346
DT8	+	RV90	398
DT10	+	RV90	432

注明：DT+系列模块组合产品，仅仅适用于转向器的速比i=1的场合

HRSS蜗轮丝杆升降机系列
HRSS Series Screw Lifting

产品结构
Product Structure



型号说明
Model Introduction

H RSS D 100 - 12 - A R - 300 - B - P
1 2 3 4 5 6 7 8 9 10

1 H--企业代码
H-Enterprise code

2 产品代码
RSS--蜗轮丝杆升降机
Products code
MSS--worm gear linear actuator

3 输入轴联接方式
D--带电机法兰
无代码--基本型
Connector of input shaft
D--with motor flange
Non-code-basic

4 规格用蜗轮副中心距表示100
Specification
Expressed by the center distance of a pair of Worm gear 100

5 传动比
12
Ratio
12

6 安装方式代码
Mounting Option code
A、B—基本型
C、D—止旋构造型
E、F—活动螺母构造型
详见"4.3安装方式"
A.B--Basic Model
C.D--Screw fluctuate without rotation
E.F--Screw rotate without fluctuation
more information from 4.3 Mounting option

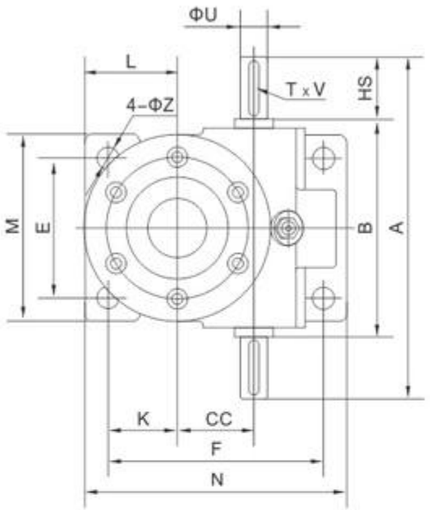
7 丝杆头部型式代码
Code of screw head
R型（圆柱式）R-Column type
H型（栓孔式）H-Bolt hole type
S型（螺纹式）S-Screw type
T型（顶板式）T-Coping type
详见"产品图片"
注:安装方式E、F时无此代码
Notes:Non-code-E.F mounting option

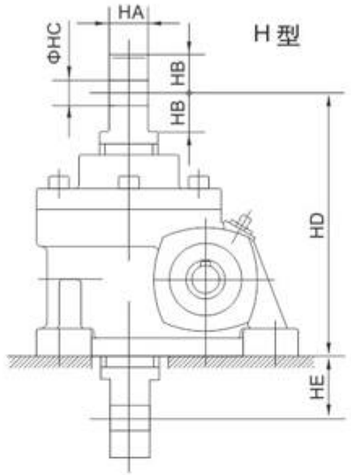
8 丝杆行程
300mm
Stroke of screw 300mm
共有100、200、300、400、500、600、800、1000mm 8种规格，根据使用情况选择，如需要其它长度行程，也可以定做
Total 8 species model:100,200,300,400,500,600,700,800,1000mm, choose according to using situation.If other model needed,can be made to order

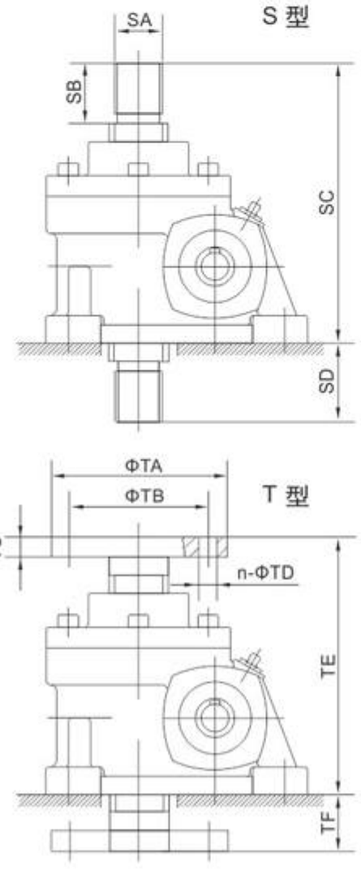
9 轴指向
shaft direction
CMSS系列共有A、B、C四种
CMSSD系列共有A、B、C、D四种
详见"轴指向表示"
CMSS series have A, B and C three species
CMSSD series have A, B, C and D four species

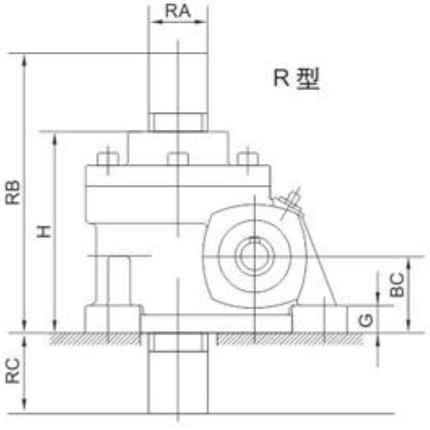
10 护管
safeguard pipe
P—带护管
P—With safeguard pipe
无代码—不带护管
Non-code-without safeguard pipe
注：安装方式E、F时无此代码
Notes: Non-code-E、F mounting option

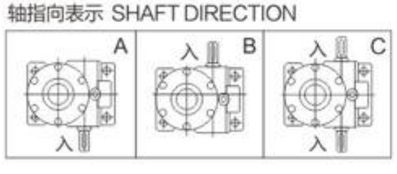
HRSS 安装尺寸
Installation Dimensions of HRSS





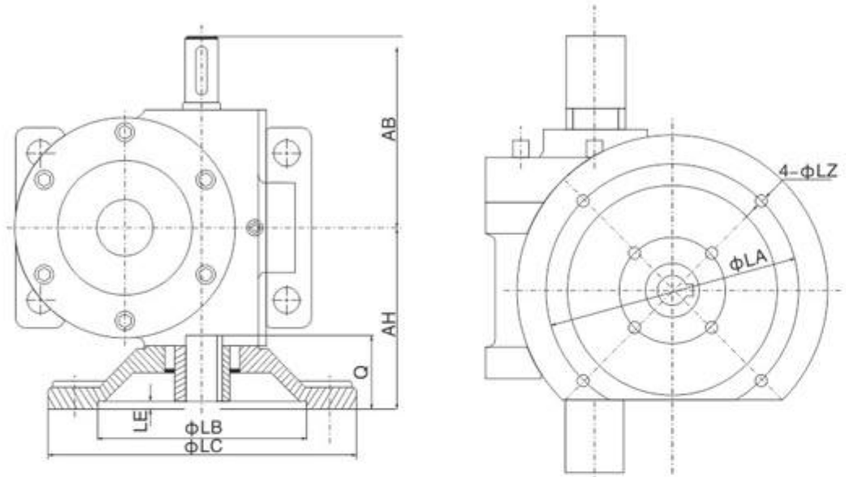




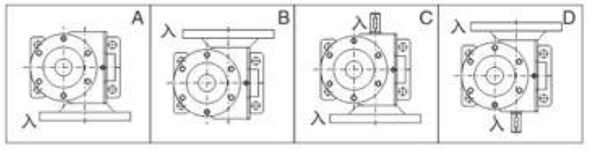


型号 规格 Model size	A B HS	E F Z	BC G H	CC K	Tr	L M N	U T×V	丝杆头部型式 Type of screw head						
								R型	H型		S型		T型	
								RA RB RC	HA HB HC	HD HE	SA	SB SC SD	TA TB TC	n-TD TE TF
HRSS35	170 110 30	66 111 12	40 15 110	35 38	Tr26×5	50 90 135	15 5×3	26 165 55	16 20 12	165 55	M16×1.5	28 150 40	88 70 10	4-φ10 135 25
HRSS40	220 140 40	80 125 12	50 18 130	40 42	Tr32×6	57 110 155	18 6×3.5	32 195 65	20 25 14	195 65	M22×1.5	32 180 50	98 80 13	4-φ10 160 30
HRSS50	220 140 40	90 140 14	50 18 130	50 45	Tr38×6	60 120 170	18 6×3.5	38 195 65	25 25 16	195 65	M30×1.5	35 180 50	114 90 13	4-φ12 160 30
HRSS60	256 176 40	100 190 18	60 20 160	60 70	Tr46×8	90 140 230	25 8×4	46 225 65	32 32 20	255 95	M33×1.5	40 220 60	138 100 16	4-φ14 200 40
HRSS60B	264 184 40	110 190 18	60 20 160	60 70	Tr52×8	90 150 230	25 8×4	52 225 65	36 32 24	255 95	M39×1.5	45 220 60	148 110 20	4-φ18 210 50
HRSS70	316 216 50	140 210 18	70 25 180	70 75	Tr65×10	95 180 250	28 8×4	65 250 70	44 35 26	295 115	M45×1.5	55 260 80	178 125 25	4-φ21 235 55
HRSS100	390 260 65	190 260 22	85 30 220	100 85	Tr75×12	110 230 310	32 10×5	75 295 75	56 44 35	355 135	M60×2	65 300 80	188 140 28	4-φ21 285 65
HRSS120	420 290 65	210 305 22	100 30 260	120 105	Tr80×12	130 260 355	35 10×5	80 355 95	60 54 38	410 150	M64×2	70 360 100	218 170 30	4-φ25 330 70
HRSS130	480 340 70	240 355 22	120 30 315	130 130	Tr90×14	160 300 415	45 14×5.5	90 430 115	70 64 45	480 165	M76×2	75 435 120	248 200 32	4-φ27 390 75
HRSS150	550 360 95	250 385 27	125 35 345	150 135	Tr100×16	170 320 455	50 14×5.5	100 485 140	80 70 55	545 200	M90×2	100 495 150	358 280 35	6-φ27 445 100

HRSS安装尺寸
Installation Dimensions of HRSS

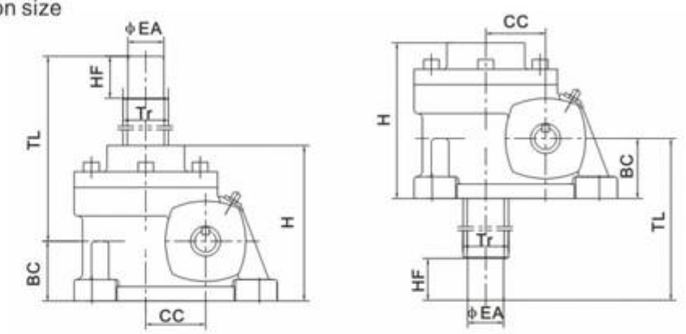


轴指向表示 SHAFT DIRECTION



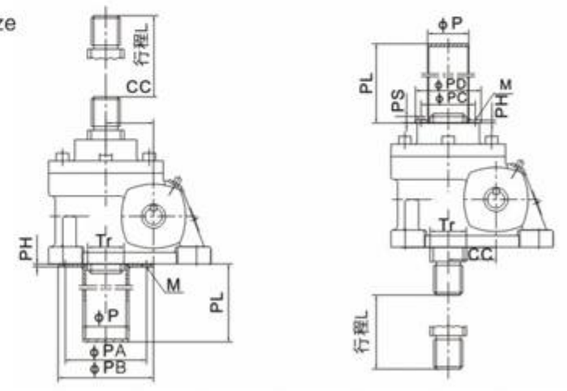
型号规格 Model size	法兰规格	AB	AH	LA	LB	LC	LE	LZ	D	Q	T×V
HRSS40	71B5	110	72	130	110	160	4	M8	ϕ14	34	5×16.3
HRSS50	71B5	110	80	130	110	160	4	M8	ϕ14	34	5×16.3
HRSS60	80B5	128	100	165	130	200	4.5	M10	ϕ19	43	6×21.8
HRSS60B	80B5	132	100	165	130	200	4.5	M10	ϕ19	43	6×21.8
HRSS70	90B5	158	118	165	130	200	1.5	M10	ϕ24	52	8×27.3
HRSS100	100/112B5	195	150	215	180	250	5	M12	ϕ28	63	8×31.3
HRSS120	100/112B5	210	165	215	180	250	5	M12	ϕ28	63	8×31.3
HRSS130	132B5	240	194	265	230	300	5	M12	ϕ38	83	10×41.3
HRSS150	132B5	275	218	265	230	300	5	M12	ϕ38	83	10×41.3

HRSS-EF安装尺寸
HRSS-EF Installation size



规格型号 Model size \ 尺寸size	CC	Tr	H	BC	HF	EA	丝杆总长 screw length	螺纹有效长度 effective thread length
HRSS35	35	Tr26x5	110	40	28	20	TL+21	TL-98
HRSS40	40	Tr32x6	130	50	32	25	TL+30	TL-112
HRSS50	50	Tr38x6	130	50	35	30	TL+26	TL-115
HRSS60	60	Tr46x8	160	60	40	35	TL+30	TL-140
HRSS60B	60	Tr52x8	160	60	45	40	TL+30	TL-145
HRSS70	70	Tr65x10	180	70	55	50	TL+33	TL-165
HRSS100	100	Tr75x12	220	85	65	60	TL+45	TL-200
HRSS120	120	Tr80x12	260	100	70	65	TL+49	TL-230
HRSS130	130	Tr90x14	315	120	75	70	TL+63.5	TL-270
HRSS150	150	Tr100x16	345	125	100	80	TL+61	TL-320

护管安装尺寸
Protect pipe installation size



规格型号 Model size \ 尺寸size	CC	Tr	ϕP	ϕPA	ϕPB	ϕPC	ϕPD	PH	PS	PL	M
HRSS35	35	Tr26x5	30	62	74	38.5	48	3	7	L+55	M4
HRSS40	40	Tr32x6	36	80	92	47	58	3	8	L+60	M5
HRSS50	50	Tr38x6	48	85	100	55	67	3	8	L+60	M5
HRSS60	60	Tr46x8	52.5	104	120	63.5	77	3	9	L+65	M6
HRSS60B	60	Tr52x8	60	115	130	72	86	3	9	L+65	M6
HRSS70	70	Tr65x10	72.5	132	148	83	96	3	9	L+75	M6
HRSS100	100	Tr75x12	86	160	180	98	112	3	9	L+85	M6
HRSS120	120	Tr80x12	96	160	180	116	130	4	9	L+85	M6
HRSS130	130	Tr90x14	102	160	180	120	142	6	14	L+110	M8
HRSS150	150	Tr100x16	115	160	200	135	160	6	14	L+130	M8

选型方法
Methods for Model Chosen

选型要素

总当量载荷计算

Ws=Wmax×fs

Ws--当量载荷 Wmax--最大载荷 fs--使用系数(详见附表1)

表1 使用系数fs Table 1 using coefficient(fs)

使用工况 using situation	平稳载荷，负荷惯性小 Smooth load;light load inertia	轻微冲击载荷，负荷惯性中等 light shock load;mid load inertia	强冲击负荷，负荷惯性大 strong shock load;heavy load inertia
使用系数 using coefficient	1.0~1.3	1.3~1.5	1.5~3.0

4.1.2 单台升降机当量载荷的计算

W=Ws/(S×fd)

W--单台当量载荷 Ws--当量载荷 S--联动台数 fd--联动系数（详见附表2）

表2 联动系数fs Table 2 linkage coefficient(fd)

联动台数 Linkage quantity	1	2	3	4	5–8
使用系数 Using coefficient	1	0.9	0.9	0.8	0.7

暂定升降机型号

根据载重、升降速度、行程、驱动源后暂时选定升降机型号（详情可参考“5、选型参数”）。

丝杆行程选定

在充分考虑丝杆运动惯性、各种顶端输出部件等各种情况下，选择有充分余量的丝杆行程。

丝杆计算（详见表3，丝杆行程用L表示，单位(unit):mm)

表3 丝杆计算 Table 3 screw calculate

型号	丝杆直径	护管长	丝杆头部S型 "S"type screw end		丝杆头部H型 "H"type screw end		丝杆头部R型 "R"type screw end		丝杆头部T型 "T"type screw end	
Model	Screw dia	length of protect pipe	总长=L+SC	牙长=总长-SD	总长=L+HB+HD	牙长=总长+HB+HE	总长=L+RB	牙长=总长-RC	总长=L+TE	牙长=总长-TF
HRSS35	Tr26×5	L+55	L+150	总长-40	L+20+165	总长-20-55	L+165	总长-55	L+135	总长-25
HRSS40	Tr32×6	L+60	L+180	总长-50	L+25+195	总长-25-65	L+195	总长-65	L+160	总长-30
HRSS50	Tr38×6	L+60	L+180	总长-50	L+25+195	总长-25-65	L+195	总长-65	L+160	总长-30
HRSS60	Tr46×8	L+65	L+220	总长-60	L+32+255	总长-32-95	L+225	总长-65	L+200	总长-40
HRSS60B	Tr52×8	L+65	L+220	总长-60	L+32+255	总长-32-95	L+225	总长-65	L+210	总长-50
HRSS70	Tr65×10	L+75	L+260	总长-80	L+35+295	总长-35-115	L+250	总长-70	L+235	总长-55
HRSS100	Tr75×12	L+85	L+300	总长-80	L+44+355	总长-44-135	L+295	总长-75	L+285	总长-65
HRSS120	Tr80×12		L+360	总长-100	L+54+410	总长-54-150	L+355	总长-95	L+330	总长-70
HRSS130	Tr90×14		L+435	总长-120	L+64+480	总长-64-165	L+430	总长-115	L+390	总长-75
HRSS150	Tr100×16		L+495	总长-150	L+70+545	总长-70-200	L+485	总长-140	L+445	总长-100

丝杆稳定性校核

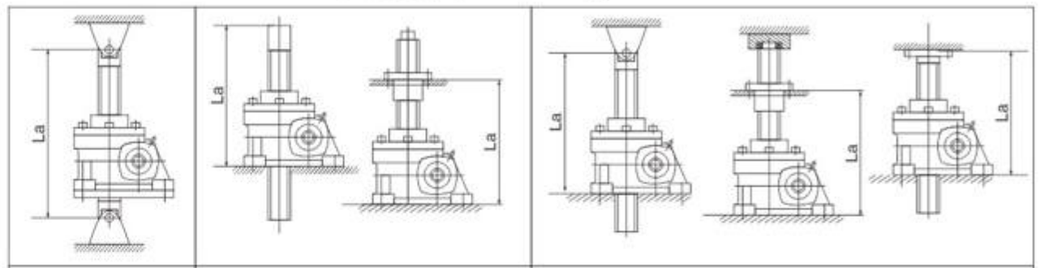
$Pcr=fm\times(d^3/La)^2$

应确保Pcr＞W×Sf(一般Sf=4)

Pcr--丝杆临界载荷(N) fm--长度系数(详见附表4) d--丝杆底径(mm)(详见附表5)

La--作用点间距离(mm) W--单台升降机当量载荷(N) Sf--安全系数(一般取4)

表4长度系数(fm) Table 4 Length coefficient



两端支撑fm=10×10⁷ Two ends sustained	底座固定，轴端自由fm=2.5×10⁷ Baseplate fixed, shaft end free	底座固定，轴端支撑或固定fm=20×10⁷ Baseplate fixed, shaft end sustained or fixed

丝杆转速校核

$nc=96\times10^6\times fn\times6/Lb^2$

应确保nc＞n1/i

nc--丝杆临界转速(r/min) fn--支撑系数(详见附表6) d--丝杆底径(mm)(详见附表5)

Lb--支撑间距离(mm) n1--输入转速(r/min) i--减速比

输入功率校核

$p=n_1\times p_1\times w/(9549\times2\pi\times i\times\eta)$

应确保P＜P额

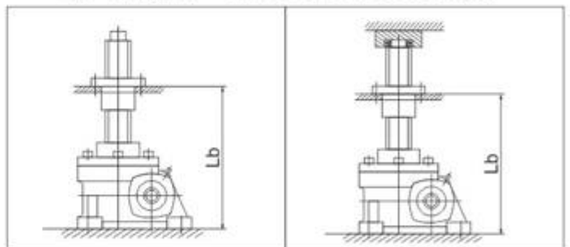
p--所需输入功率(kW) n_1--输入转速(r/min) p_1--丝杆螺距(mm)

w--单台升降机当量载荷(kN) π--圆周率 i--减速比 η--综合效率

表5 丝杆底径d Table 5 Diameter of screw bottom

型号 Model	HRSS35	HRSS40	HRSS50	HRSS60	HRSS60B	HRSS70	HRSS100	HRSS120	HRSS130	HRSS150
丝杆底径 Diameter of screwing bottom	20.5	25	31	37	43	54	62	67	74	82

表6 丝杆系数fn Table 6 Sustain coefficient(fn)



轴端自由fn=0.36 Shaft end free	轴端支撑fn=1.56 Shaft end fixed

Methods for model chosen

Selection points

Calculate total current load

$W_s=W_{max} \times f_s$

W_s--current load W_{max}--max load f_s--using coefficient (more information from table1)

Calculate current load of unit screw lifter

$W=W_s/(S \times f_d)$

W--unit current load Ws--current load S --linkage quantity

f_d--linkage coefficient(more information from table 2)

Choose screw model

Choose screw model according to capacity, lifting speed, stroke and drive fountainhead.

Option stroke of screw

Choose adequate stroke of screw with concerning enough screw movement inertia.

Calculate screw (more information from table 3)

Check screw stability

$P_{cr}=f_m \times (d^2/La)^2$ Should insure Pcr >W x S_t(usual S_t=4)

P_{cr}--Screw critical loading(N) f_m-- Length coefficient(more information from table 4)

d--diameter of screw bottom(mm)(more information from table 5) L_a--working length(mm)

W--Current load of unit screw lifter(N) S_t--security coefficient(usual S_t=4)

Check screw speed

$n_c=96 \times 10^6 \times f_n \times d/L_b^2$

should insure nc>n_1/i

n_c--Permissible rotation speed of screw (r/min); fn--Sustain coefficient (more information from table 6);

d--diameter of screw bottom(mm)(more information from table 5);

L_b--the distance between sustain(mm). n_1--input speed(r/min); i--ratio;

Check input power

$p=n_1 x p_t x w/(9549 x 2 \pi x i x \eta)$

should insure $P< P_{rated}$

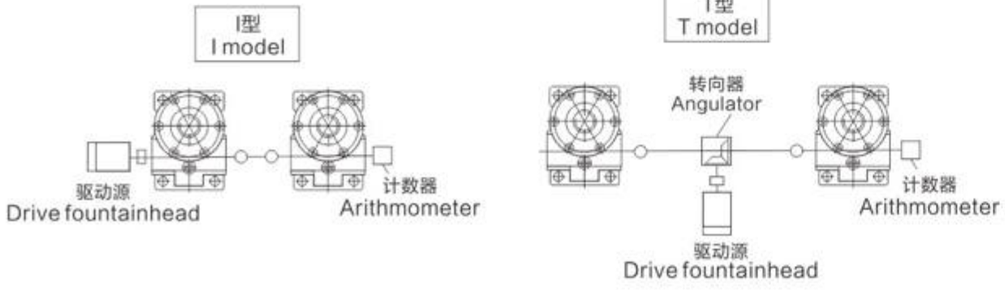
P--needed input power(kW); n_1--input shaft screwing speed(r/min); p_t--axial pitch distance(mm)

w--current load(kN); π--pi i--ratio η--general efficiency

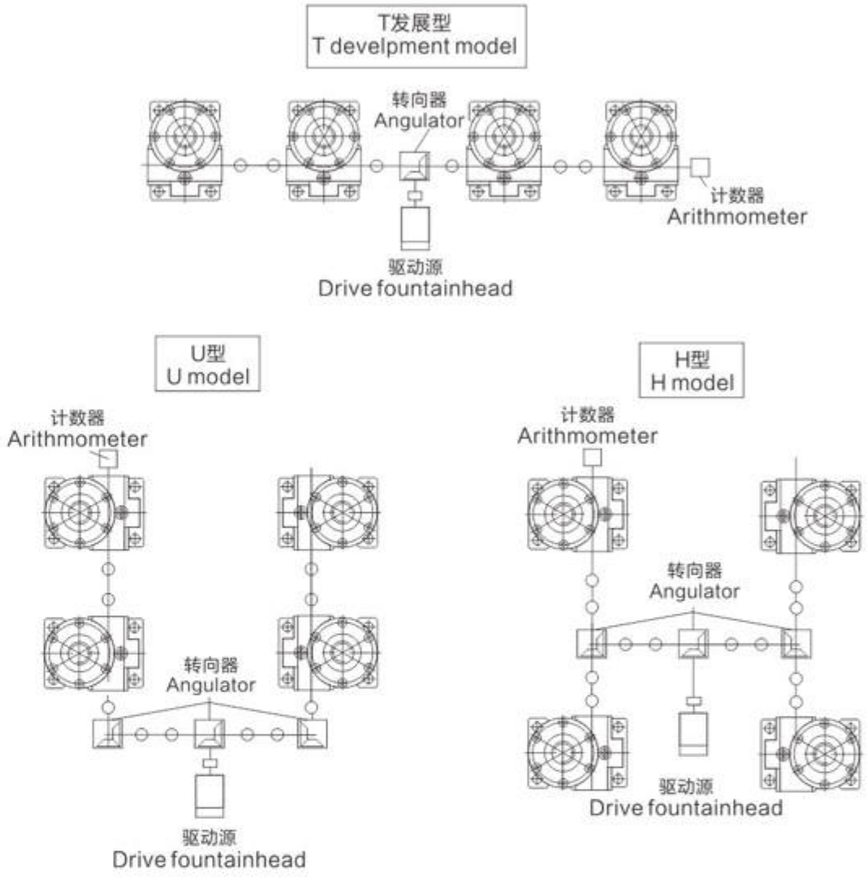
选型示例

Selection example

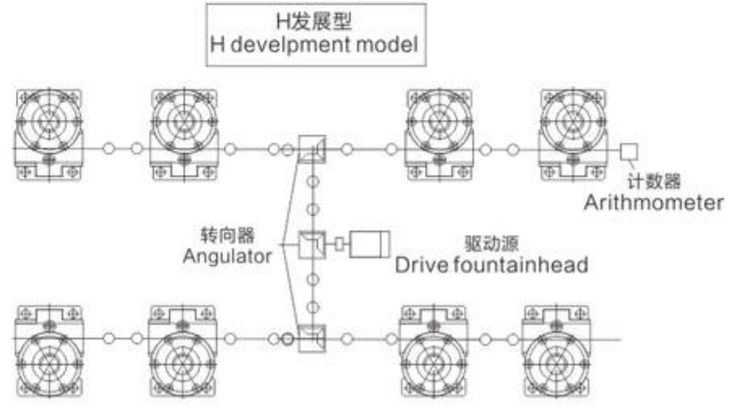
两台联动 Two sets linkage

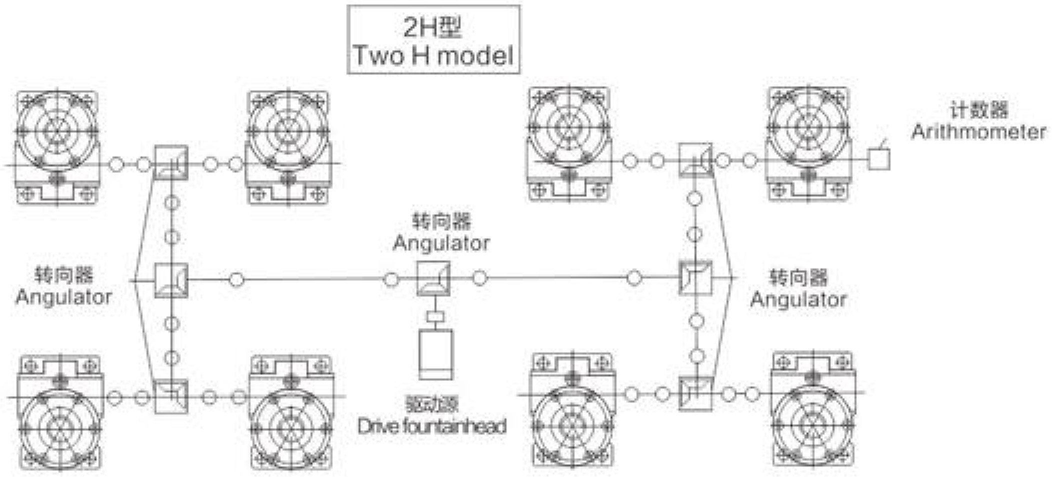


四台联four sets linkage

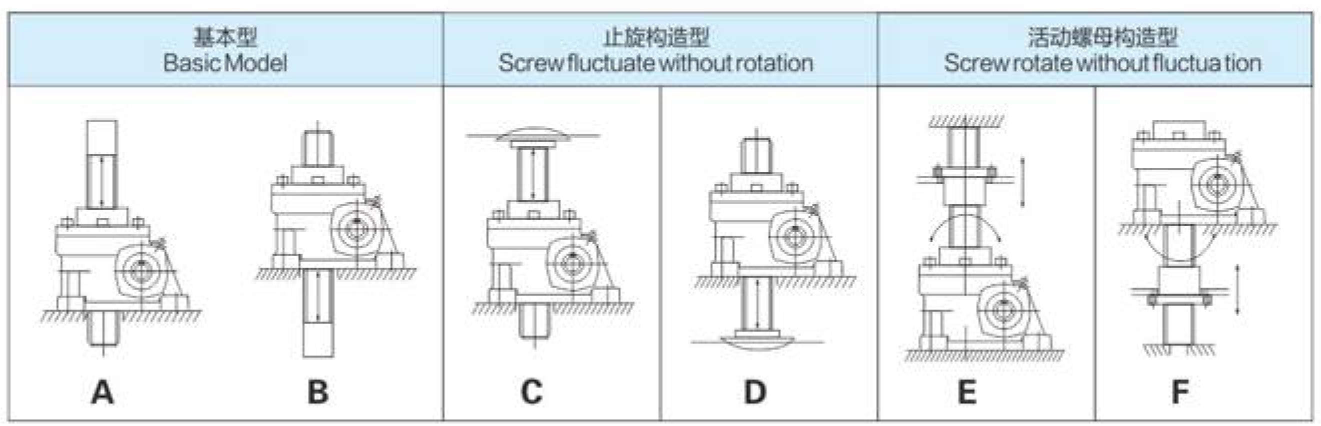


八台联动 Eight sets linkage





安装方式
Mounting Option



说明：

1、基本形式：螺母(蜗轮)转动丝杆上下移动，此为普通型升降机安装方式；

※注意：丝杆在升降时，会产生旋转力，所以必须做好防止旋转的措施。

2、止旋构造型：适用于顶端无连接下运转等各种不能实现防止旋转的场合。

3、若想在有限的空间增长行程， 可选用活动螺母(由用户自行设计制造配丝杆)构造型。 此构造为丝杆旋转，活动螺母移动。若行程较长时，轴端应采用支撑方式，可得到很好的传动效果。

Explanation:

1、Basic Model: Screw fluctuate with rotation. This is the installation for basic screw lifter.

※Notice: There will be rotation force when screw is ascending and decending. So it's need to prevent rotation.

2、 Screw fluctuate without rotation: work under the situation (without connection on the top, etc.) Which can't prevent from rotating.

3、 Screw rotate with travelling nut: This type is suitable for narrow space. If it has long stroke, shaft end should be supported for better transmission.

动力无极限 传动更精彩 Power has no limits drive more wonderful
HRSS蜗轮丝杆升降机系列
HRSS Series Screw Lifting

选型参数
Capacity and Model Selection

型号规格 Model size	传动比 Ratio	入力轴转速 1800r/min Input shaft revolution speed 1800r/min			入力轴转速 1500r/min Input shaft revolution speed 1500r/min			入力轴转速 1200r/min Input shaft revolution speed 1200r/min			入力轴转速 900r/min Input shaft revolution speed 900r/min			入力轴转速 600r/min Input shaft revolution speed 600r/min			入力轴转速 300r/min Input shaft revolution speed 300r/min		
		入功率 (kW) Input power (kW)	起升力 (kg) Lifter force (kg)	起升数度 (m/min) Hoist speed (m/min)	入功率 (kW) Input power (kW)	起升力 (kg) Lifter force (kg)	起升数度 (m/min) Hoist speed (m/min)	入功率 (kW) Input power (kW)	起升力 (kg) Lifter force (kg)	起升数度 (m/min) Hoist speed (m/min)	入功率 (kW) Input power (kW)	起升力 (kg) Lifter force (kg)	起升数度 (m/min) Hoist speed (m/min)	入功率 (kW) Input power (kW)	起升力 (kg) Lifter force (kg)	起升数度 (m/min) Hoist speed (m/min)	入功率 (kW) Input power (kW)	起升力 (kg) Lifter force (kg)	起升数度 (m/min) Hoist speed (m/min)
HRSS35	1/5	0.69	500	1.80	0.64	550	1.50	0.65	700	1.20	0.63	900	0.90	0.46	1000	0.60	0.37	1000	0.30
	1/10	0.37	500	0.90	0.37	550	0.75	0.37	700	0.60	0.37	950	0.45	0.37	1000	0.30	0.19	1350	0.15
	1/20	0.37	600	0.45	0.37	700	0.38	0.37	900	0.30	0.37	1200	0.23	0.19	1350	0.15	0.19	1350	0.08
HRSS40	1/6	0.98	700	1.80	0.93	800	1.50	0.88	950	1.20	0.91	1300	0.90	0.84	1800	0.60	0.42	1800	0.30
	1/12	0.66	950	0.90	0.64	1100	0.75	0.61	1300	0.60	0.57	1650	0.45	0.46	2000	0.30	0.37	2000	0.15
	1/24	0.37	950	0.45	0.37	1100	0.38	0.37	1300	0.30	0.37	1650	0.23	0.37	2000	0.15	0.19	2000	0.08
HRSS50	1/6	1.39	900	1.80	1.28	1000	1.50	1.24	1200	1.20	1.16	1500	0.90	0.87	1700	0.60	0.54	2100	0.30
	1/12	1.10	1350	0.90	1.01	1500	0.75	0.98	1800	0.60	0.87	2150	0.45	0.58	2150	0.30	0.37	2500	0.15
	1/24	0.78	1800	0.45	0.72	2000	0.38	0.69	2400	0.30	0.55	2550	0.23	0.42	2900	0.15	0.37	2850	0.08
HRSS60	1/8	2.12	1300	1.80	1.97	1450	1.50	1.85	1700	1.20	1.72	2100	0.90	1.66	3050	0.60	1.31	4800	0.30
	1/16	1.12	1300	0.90	1.04	1450	0.75	0.98	1700	0.60	0.95	2200	0.45	0.87	3050	0.30	0.69	4800	0.15
	1/32	0.80	1750	0.45	0.75	1950	0.38	0.69	2250	0.30	0.64	2800	0.23	0.63	4100	0.15	0.48	6400	0.08
HRSS60B	1/8	2.00	1300	1.80	1.86	1450	1.50	1.75	1700	1.20	1.62	2100	0.90	1.57	3050	0.60	1.24	4800	0.30
	1/16	1.06	1300	0.90	0.98	1450	0.75	0.93	1700	0.60	0.89	2200	0.45	0.83	3050	0.30	0.65	4800	0.15
	1/32	0.75	1750	0.45	0.70	1950	0.38	0.65	2250	0.30	0.61	2800	0.23	0.59	4100	0.15	0.46	6400	0.08
HRSS70	1/10	2.66	1400	1.80	2.42	1850	1.50	2.25	1950	1.20	2.12	2450	0.90	1.93	3350	0.60	1.41	4900	0.30
	1/20	1.42	1600	0.90	1.47	1850	0.75	1.37	2250	0.60	1.28	2800	0.45	1.18	3850	0.30	0.86	5600	0.15
	1/40	1.14	2400	0.45	1.17	2800	0.38	1.09	3350	0.30	1.07	4400	0.23	0.93	5750	0.15	0.69	8400	0.08
HRSS100	1/12	3.62	1850	1.80	3.51	2150	1.50	3.39	2600	1.20	3.18	3250	0.90	2.94	4500	0.60	2.09	6400	0.30
	1/18	2.65	1900	1.20	2.68	2300	1.00	2.57	2750	0.80	2.45	3500	0.60	2.19	4700	0.40	1.56	6700	0.20
	1/36	1.66	2200	0.60	1.63	2600	0.50	1.60	3200	0.40	1.47	3900	0.30	1.36	5400	0.20	1.20	9600	0.10
HRSS120	1/12	4.15	1975	1.80	4.02	2300	1.50	3.81	2725	1.20	3.80	3625	0.90	3.48	4975	0.60	2.48	7050	0.30
	1/18	3.20	2125	1.20	3.20	2550	1.00	3.04	3025	0.80	3.03	4025	0.60	2.74	5450	0.40	1.94	7725	0.20
	1/36	2.14	2625	0.60	2.07	3050	0.50	1.98	3650	0.40	1.99	4875	0.30	1.80	6600	0.20	1.40	10300	0.10
HRSS130	1/7	9.47	2100	3.60	9.17	2450	3.00	9.02	2850	2.40	8.58	4000	1.80	8.20	5450	1.20	5.84	7750	0.60
	1/14	5.76	2350	1.80	5.71	2800	1.50	5.57	3300	1.20	5.39	4550	0.90	5.06	6200	0.60	3.57	8750	0.30
	1/28	4.07	3050	0.90	3.89	3500	0.75	3.91	4100	0.60	3.65	5850	0.45	3.48	7800	0.30	2.45	11000	0.15
HRSS150	1/8	16.3	3500	3.60	16.1	4000	3.00	15.8	5400	2.40	15.1	7100	1.80	14.8	9850	1.20	9.70	12950	0.60
	1/16	11.7	4300	1.80	11.6	5400	1.50	10.5	7200	1.20	11.00	9450	0.90	9.62	11800	0.60	7.08	17350	0.30
	1/32	8.65	5500	0.90	9.55	6800	0.75	7.35	10000	0.60	7.53	14300	0.45	7.02	15750	0.30	5.80	26050	0.15

使用说明 Directions For Use

产品说明

HRSS系列蜗轮丝杆升降机（又名千斤顶）；
具有结构紧凑、体积小的特点；
安装方便、形式多；
可靠性高、寿命长；
具有起升、下降及借助辅件推进、翻转等多种功能；
可单台使用，也可多台组成使用；
动力源广泛，可用电动机或其它动力直接带动，也可以用手动；
通常用于低速重载的场合。广泛应用于冶金、机械、建筑、水利、医疗、化工等各个行业。

使用注意事项

请严格按承载能力表选择合适的速比和与之对应的具有充分裕度的载荷的升降机;
升降机工作时应控制减速机表面和升降螺母表面温度在-15℃-80℃;
升降机不得连续运转，单台升降机的负荷时 间率(T%)以30分钟为单位计算，不得超过20%;

$$\text{负荷时间率 } T\% = \frac{\text{1动作周期的工作时间}}{\text{1动作周期的工作时间+1动作周期的停歇时间}} \times 100\%$$

必须保证有充足的驱动源动力;
升降机理论上有自锁功能，但在振动冲击较大的场合会造成自锁功能失灵，请务必加制动装置;
升降机使用环境:

使用环境 Using situation	室内无雨水侵入的场所 No rain and water
周围空气 Ambient air	灰尘为一般工厂状况 Dust:usual condition for mill
环境湿度 Ambient temperature	-15℃~40℃
相对湿度 Comparative humidity	85%以下 Below 85%

升降机工作时一般不允许有横向载荷，若有横向载荷时，请加导向装置。

Operating instructions

Product Introduction

HRSS series worm gear screw lifter(other name is Jack);
Compact structure,small size;
Easy mounting,varied types;
High reliability.Long service life;
With the function of ascending,descending,thrusting,overturning;
Can be applied in one unit or multiple units;
Wide motivity.It can be drived by electrical motor and manual force;
It is usually used in low speed situation,widely used in the fields of metallurgy,mechanical, construction,chemical,irrigation works,medical treatment.

动力无极限 传动更精彩 Power has no limits drive more wonderful
HRSS蜗轮丝杆升降机系列
HRSS Series Screw Lifting

Notices of usage

Select the model with proper ratio and load.
The surface temperature of speed reducer and nut should be controlled in-15℃-80℃when the scr -ew lifter is working.
The screw lifter cannot work all the time .The unit is thirty mins for duty ratio of unit one and can not exceed 20%.

$$\text{Duty ratio (T\%)} = \frac{\text{Time under working/cycle}}{\text{Time under working/cycle+ interval/cycle}} \times 100\%$$

Insure adequate drive fountainhead.
Theoretically screw has self-lock function,but the self-lock function may no workin heavy shock condition;
Using situation for screw lifter.
Transverse load is not allowed when screw lifter is working .If transverse load occured，pleadse add direction setting.

油品润滑 Lubricant

润滑油（脂）选用表
Lubricants for reducer used in can be chosen as the table below

蜗杆转速(r/min) Worm shaft speed(r/min)	润滑油（脂）类型 Lubricant
1500~1800	ISO VG680
300~1500	ZNG-1或ZNG-2

注: 合成钙钠基润滑脂温度范围-20℃-100℃
Note:The temperature range of synthetic lime-sode basic lubricant grease ZNG-1or ZNG-2 is -20℃-100℃

润滑油（脂）注油量(1)
Lubricants capacity(1)

型号 Type / 规格 Size	HRSS35	HRSS40	HRSS50	HRSS60	HRSS60B	HRSS70B	HRSS100	HRSS120	HRSS130	HRSS150
注油量 Lubricant capacity	0.06	0.1	0.2	0.35	0.4	0.5	1.5	2.2	3.5	4.0

故障分析 Maifunctions Analysis

故障情况 Fault Description	故障原因 Reasons	解决办法 Solutions
振 动 Vibration	原动机与升降机连接不当 Improper connection among prime mover and lifter	调整至适当位置，重新正确固紧 Adjust to proper position
	蜗轮副齿部磨耗或损伤 Tooth surface of worm gear sets worn-out or damaged	更换蜗轮副 (需要时本公司配合) Replace worm gear sets(We will cooperate with you when necessary)
	轴承磨损 Bearing worn-out	更换轴承 Replace bearing
	螺栓松脱 Bolt loose	固紧螺栓 Tighten screw
杂 音 Noise	轴承损伤或间隙过大 Bearing damaged or too large clearance	更换轴承 Replace bearing
	蜗轮副啮合不良 Worm gear sets mesh badly	修整齿面或更换蜗轮副 (请与本公司联系) Mend tooth surface or replace worm gear sets (please contact to us)
	润滑油（脂）过少 Lubricant shortage	补加润滑油(脂) Fill in adequate oil as indication
漏 油 Oil leakage	油封唇口磨损 Oil seal lip worn-out	更换油封 Replace oil seal
	油封档轴颈磨损 Shaft of oil seal area worn-out	更换输入轴或蜗轮 Replace input or worm gear
蜗轮副齿面磨损过快 Tooth surface ofwormgear set abrade extea-quickly	超负荷运转 Over load	调整至适当负荷 Adjudt to proper loading
	润滑油（脂）不符合要求 Lubricant oil not according with requirement	按油品润滑更换润滑油（脂） Replace proper lubricant oil
	润滑油（脂）过少 Lubricant shortage	补加润滑油（脂） Fill adequate oil as indication
	未按规定适时换油，润滑油劣化 Not replacing lubricant oil in time accor-ding to requirement,oil deteriorates	按规定要求适时换油 Replacing oil in time according to requirement
	运转温度过高 Overheating while running	采取合适措施，降低环境温度 Adoptin proper measures to make environment tempeature fall
丝杆副齿面磨损过快 Screw surface ofworm gear sets abrade extra-quickly	超负荷运转 Over loading	调整至适当负荷 Adjust to proper loading
	润滑脂干枯或变质 Lubircant shortage or gone bad	去污擦净，重新加润滑脂 Washover dirty oil and refill proper lubricant
	有横向载荷 There is transverse load	加导向装置 Add direction stting

注：如果发生其他故障无法解决时，请随时与我们联系，以便提供咨询服务。
Note:Ifother faults not listed above occur,please contact to us at any moment.We will supply thorough consultation and service.


Helical Geared Motor R Series


Helical Geared Motor F Series


Helical-bevel Geared Motor K Series


Helical-worm Geared Motor S Series


New Type


NMRV Worm Gearbox


VF..


WPA


WPS


WPO


WPX


WPWEDKO


WPEA


MBW/UDW Stepless Speed Variator


MBL/UDL Stepless Speed Variator


BW


BWD


BWK


BWEK


BL

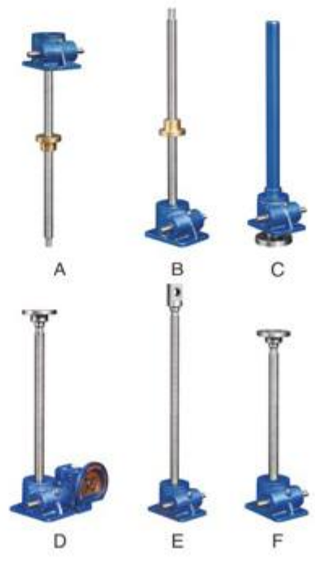

BLD


AC Gear Motor


AC Gear Motor


AC Gear Motor


AC Gear Motor


A B C D E F


Auto gate rack


Nylon Rack


Roller Chain


Sprocket


V Belt Pulley


T..-U-LR


T..-1-D


T..-1-R


H


B