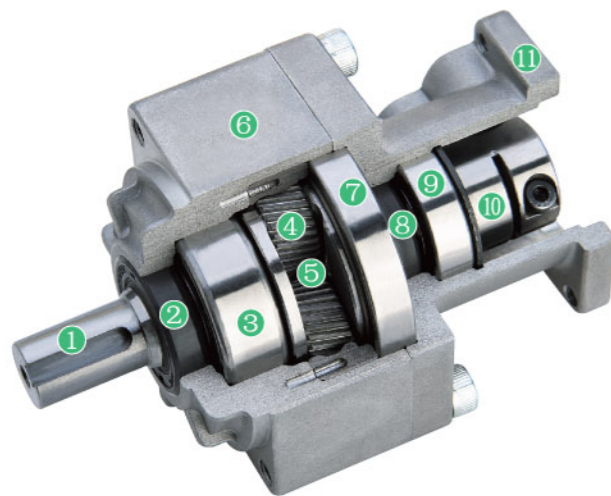


# VR系列减速机机种、机型标识说明 TYPE AND MODEL NUMBER

## 剖视图 SECTIONAL DRAWING



- ① 输出轴 Output shaft
- ② 油封 Seal for the output shaft
- ③ 输出轴前轴承 Bearing for the output shaft
- ④ 行星轮 Planetary gear
- ⑤ 太阳轮 Sunwheel
- ⑥ 前盖 Front cover
- ⑦ 输出轴后轴承 Bearing for the output shaft
- ⑧ 油封 Seal for the input shaft
- ⑨ 输入轴轴承 Bearing for the input shaft
- ⑩ 精密装夹系统 Precision clamping system
- ⑪ 后盖 rear cover

## 机种、机型标识说明 Type and model number



- ① VR系列减速机的称呼 VR Reducer Model
- ② 输入部型式:  
S: 夹具紧固方式 (不论马达轴有键槽还是无键槽(请参照P.46)均可使用<D形轴不适用>)\*<sup>1</sup>  
也可采用以下安装方式:  
K: 偶合(直轴、带键槽)\*<sup>2</sup>。  
A: 适配器方式(欲知详情请与本公司联系。  
\*<sup>1</sup> 只有K型可与D形轴连接。  
\*<sup>2</sup> 采用特别订购方式。欲知详情请与本公司联系。

- Input part type:  
S: clamp fastening mode (Use ful whatever motor shaft with keyway or without keyway (See 46 page.) / (<D cut unavailable>)\*<sup>1</sup>  
Can adopt followiing assembly way:  
K: Coupling(straight shaft, key slot)\*<sup>2</sup>  
A: Adaptor mode(For details, contact us.)  
\*<sup>1</sup> D cut is only compatible with K type.  
\*<sup>2</sup> Response only to a special order. For more details, contact us.

- ③ 安装方式和输出轴方向 F: 法兰型(安装方向自由) D: 带D法兰型(安装方向自由)  
Assembly mode and output shaft direction / F: flange type, free assembly direction D: D flange type, free assembly direction

- ④ 减速机规格: 无标记: 标准 PB: 高精度型 LB: 精密型  
Reducer spec. / no symbol: Standard PB: High precision type LB: Low-backlash type

### 精度Amount of backlash

减速机段位号 Reducer type no.	VR-□(标准型) Standard type	VR-LB(精密型) Low-backlash type	VR-PB(高精度型) High precision type
B段Type	0.25°(15分arc-min)	0.166°(10分arc-min)	0.05°(3分arc-min)
C段Type	0.25°(15分arc-min)	0.08°(5分arc-min)	0.05°(3分arc-min)
D段Type	0.25°(15分arc-min)	0.08°(5分arc-min)	0.05°(3分arc-min)
E段Type	0.25°(15分arc-min)	0.08°(5分arc-min)	0.05°(3分arc-min)

\*输出轴负荷量为容许输出扭矩的±5%时的值。

- ⑤ 减速比: 单级型: 3, 4, 5, 6, 7, 8, 9, 10 两级型: 15, 20, 25, 35, 45, 81  
Reduction ratio / 1 stage types 3, 4, 5, 6, 7, 8, 9, 10 2 stage types 15, 20, 25, 35, 45, 81

- ⑥ 减速机段位号 Reducer type no.
- ⑦ 适用伺服马达功率(W) Applicable servo motor power(W)
- ⑧ 生产厂家名称 Manufacturer name
- ⑨ 型号(请务必告知我们马达的生产厂家和产品型号)  
Type (Inform us manufacturer name and motor type.)

# 减速比、段位号 REDUCTION RATIO & TYPE NUMBER

## 输入转速为3000rpm时 When input speed is 3000rpm

容量Motor power(W)	B段type		C段type		D段type		E段type		
	单级减速 1 step reduction		两级减速 2 step reduction		两级减速 2 step reduction		两级减速 2 step reduction		
减速比Reduction ratio	1/3	1/5	1/9	1/15	1/20	1/25	1/35	1/45	1/81
50W									
100W									
200W									
400W									
750W									
1000W									
1500W									
2000W									
2500W									
3000W									
3500W									
4000W									
4500W									
5000W									

注1) 全部为斜齿轮适用范围 Note 1) All corresponding to helical gear

## 输入转速为2000rpm时When input speed is 2000rpm

容量Motor power(W)	B段type		C段type		D段type		E段type		
	单级减速 1 step reduction		两级减速 2 step reduction		两级减速 2 step reduction		两级减速 2 step reduction		
减速比Reduction ratio	1/3	1/5	1/9	1/15	1/20	1/25	1/35	1/45	1/81
50W									
100W									
200W									
400W									
750W									
1000W									
1500W									
2000W									
2500W									
3000W									
3500W									

注1) 全部为斜齿轮适用范围  
Note 1) All corresponding to helical gear

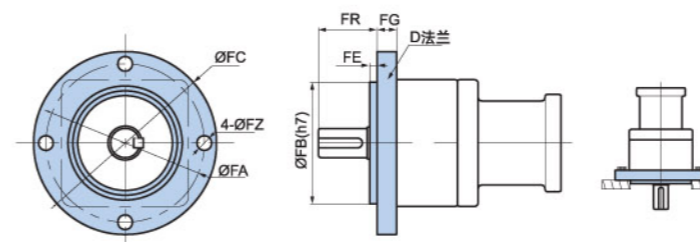
\*以下为限扭矩机种  
B段: 1/5减速(100W)  
C段: 1/81减速(50W)  
D段: 1/3减速(1500W)、1/45减速(200W)、1/81减速(100W)  
E段: 1/3减速(3500W)、1/25减速(750W)

\*Torque is limited to the following types:  
B type: 1/5 reduction (100W)  
C type: 1/81 reduction (50W)  
D type: 1/3 reduction (1500W), 1/45 reduction (200W), 1/81 reduction (100W)  
E type: 1/3 reduction (3500W), 1/25 reduction (250W)

## 关于润滑油About lubricant

- 润滑: 润滑油 ● 更换: 不可
- Lubrication: grease ● Replacement: Not available

## 带D法兰型的尺寸图 Dimensional drawing of D flange type



段号Type no.	FG	FR	FE	FB	FC	FA	FZ
B	8	24	3	50	75	65	6
C	12	33.5	3	72	110	95	7
D	13	48	5	90	134	115	8.8

\*向上图那样的安装, 请指定带D法兰(另卖)。另外, D法兰也可另外安装。  
\*In case of assembly as mentioned in the above figure, designate D flange(separate selling). Also, the D flange may be assembly separately.

## 输出轴端面丝锥孔加工(可选)Processing of output shaft tab (option)

- B段: M5X10 C段: M6X12 (或M8X16) D段: M8X16 (或M6X12) E段: M10X20
- B type: M5X10 C type: M6X12(or M8X16) D type: M8X16(or M6X12) E type: M10X20