

## 12. 尺寸信息 Dimension information

中心高公差  
Shaft heights tolerances

$h \leq 250\text{mm} \rightarrow -0.5\text{mm}$   
 $h > 250 \rightarrow -1\text{mm}$

地脚安装减速机: 当配有电机时, 电机可能已凸出到安装平面以下, 请注意检查。  
Foot-mounted gear units: The motor may project below the mounting surface when fitted, please check.

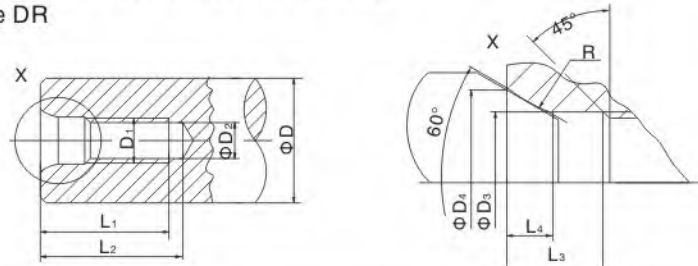
轴公差  
Shaft tolerance

直径公差 Diameter tolerance

$\Phi \leq 50\text{mm} \rightarrow \text{ISO}k6$   
 $\Phi > 50 \rightarrow \text{ISO}m6$

按照DIN332标准有DR型中心孔:

Center hole in accordance with DIN332.  
shape DR



输出轴直径 $\Phi D$ Diameter of Output shaft	D1	D2	D3	D4	R	L1 +2	L2 min	L1	L4 ≈
$\Phi D=7-10\text{mm}$	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
$\Phi D>10-13\text{mm}$	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
$\Phi D>13-16\text{mm}$	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
$\Phi D>16-21\text{mm}$	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
$\Phi D>21-24\text{mm}$	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
$\Phi D>24-30\text{mm}$	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
$\Phi D>30-38\text{mm}$	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
$\Phi D>38-50\text{mm}$	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
$\Phi D>50-85\text{mm}$	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
$\Phi D>85-130\text{mm}$	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
$\Phi D>130\text{mm}$	M30	26.5	31.0	42.6	50.0	63.0	85.0	20.0	10.0

空心轴  
Hollow shaft

键: 根据DIN6885确定 (圆头平键)

Keys: In accordance with DIN6885 (domed type)

直径公差  
Diameter tolerance

$\Phi \rightarrow \text{ISO}H7$  塞规测量  
ISOH7 measured with plug gauge

花键轴  
Multiple-spine shafts

$D_m$  = 测量棒直径 Measuring roller diameter  
 $M_e$  = 检测尺寸 Inspection size

法兰  
Flange

止口公差 Centering shoulder tolerance

$\Phi \leq 230\text{mm}$  ( flange size A 120-A300 )  $\rightarrow \text{ISO}j6$   
 $\Phi > 230\text{mm}$  ( flange size A 350-A660 )  $\rightarrow \text{ISO}h6$

对于每个规格的斜齿轮减速机、交流(制动)电机和防爆(制动)电机最多可提供三种不同尺寸的法兰, 每种法兰的尺寸见相关尺寸表。

Up to three different flange dimensions are available for each size of helical gear units AC (brake) motor and explosion-proof AC (brake) motor. The possible flanges per size are indicted in the relevant dimension sheets.

起吊螺栓及吊耳  
Lifting eyebolts,  
suspension eye lugs

BR17和BR27减速机, 电机机座号小于100的减速电机没有配备专门的运输吊装工具、其它的减速机和电机配有铸造的吊装孔, 用螺栓固定在机体上的吊耳或吊环。  
BR17..BR27 helical gear units, motors up to DV100 and Spiroplan geared motoes are delivered without special reansport fixtures. Otherwise, the gear units and motors are equipped with cast-on suspension eye lugs, screw-on suspension eye lugs or sceew-on lifting eyebolts.

减速机/电机型号规格 Gear unit/motor type	吊环/吊耳 Screw-on lifting eyebolts /suspension eye lugs	铸造吊装孔 Cast-on suspension eye lugs
BR/RF37-57, BRX/RXF57-67	●	—
$\geq \text{BR}67$	●	—
BF37-157	—	●
BK37-157	—	●
BK167-187	●	—
BS37-47	●	—
BS57-97	—	●
$\geq \text{D}112$	●	—

通气阀  
Breather valves

减速机尺寸图总是显示为螺塞, 相应地螺塞在出厂前按照其定货要求的安装位置更换为通气阀。这意味着减速机的外形尺寸图稍有不同。

The gear unit dimension drawings are always shown with screw plugs. The corresponding screw plug is replaced by a breather valve at the factory depending on with mounting position M1-M6 is ordered. Theis means the contour dimensions may be slightly different.

锁紧盘连接  
Shrink disk connervation

对于锁紧盘连接的空心轴减速机: 若需要可向我公司索要关于锁紧盘的详细数据表。

Hollow shaft gear unit with shrink disk connection: If required, please request a detailed data sheet on shrink disks form company, data sheet no.33 753..95.

花键空心轴  
Splined hollow shaft

BFV..和 BKV..减速机从37到107可提供按DIN5480制作的花键空心轴。

Hollow shaft gear units BFV.. in sizes 37-107 and BFV.. In sizes 37-107 are supplied with a splined hollow shaft to ISO4762.

BFA/BFH/BFV的橡胶缓冲垫  
Rubber buffer for BFA/BFH/BFV

f为在力矩Mamax作用下橡胶缓冲垫被压缩的距离尺寸

f stands for the compressed dimension of Rubber buffer in the Manax torque.

制动电机  
brake motors

配制动电机时, G1B的尺寸代替G1; KB代K

In brake motors, dimensions G1B apply instead of G1 and KB instead of K

电机附件  
Motor accessory

电机的尺寸因不同的电机附件而不同, 请参考电机选择的尺寸图。

The motor dimensions may different as a result of motor accessory. Please refer to the dimensions of the motor accessory.

特殊应用  
Special versions

接线盒的尺寸, 在特殊应用如KS或CSA时与标准形式的尺寸不同。

The dimensions of the terminal box on special versions such as KS or CSA may different form the standard dimensions.