

导向轴



来图定制

Technical drawing of a shaft with a keyway. The drawing includes a side view and a cross-sectional view. The side view shows the shaft with a keyway of width $M \times 2$ and a depth V . The total length is L . The shaft has a diameter D_{g6} and a keyway of width $N \times 2$. The cross-sectional view shows the shaft with a diameter D_{g6} and a keyway of width W . The drawing includes various tolerances and surface finish requirements.

Dimensions and Tolerances:

- Keyway width: $M \times 2$
- Keyway depth: V
- Keyway width (cross-section): $N \times 2$
- Keyway width (cross-section): W
- Shaft diameter: D_{g6}
- Keyway width (cross-section): W
- Keyway depth: V
- Keyway width (cross-section): $N \times 2$
- Keyway width (cross-section): W

Tolerances and Surface Finish:

- Keyway width: 0.05 A 精密级
- Keyway width: 0.2 A 普通级
- Keyway depth: 0.05 A 精密级
- Keyway depth: 0.2 A 普通级
- Keyway width (cross-section): 0.05 A 精密级
- Keyway width (cross-section): 0.2 A 普通级
- Keyway depth (cross-section): 0.05 A 精密级
- Keyway depth (cross-section): 0.2 A 普通级

Surface Finish:

- Keyway width: 0.05 A 精密级
- Keyway width: 0.2 A 普通级
- Keyway depth: 0.05 A 精密级
- Keyway depth: 0.2 A 普通级
- Keyway width (cross-section): 0.05 A 精密级
- Keyway width (cross-section): 0.2 A 普通级
- Keyway depth (cross-section): 0.05 A 精密级
- Keyway depth (cross-section): 0.2 A 普通级

型号		最小单位1			M 选择		N 选择		扳手槽尺寸			R	C
代码	D _{g6}	L	E	P					S	W	V		
Y-FCS02 Y-FCS06 Y-FCS07	8	-0.005 -0.014	20~800	E=2~Px4	6	3	3 4 5			7			
	10				6~8	3 4 5	3 4 5 6	8					
	12				6~10	3 4 5 6	4 5 6 8	10					
	13	-0.006 -0.017	20~1000		6~11	3 4 5 6 8	4 5 6 8		11			0.5	
	15				6~13	3 4 5 6 8 10	4 5 6 8 10		13				
	16				6~14	3 4 5 6 8 10	4 5 6 8 10		14	10	0.3		
	18	-0.007 -0.020	20~1200		8~16	4 5 6 8 10 12	4 5 6 8 10 12		16				
	20				8~17	4 5 6 8 10 12	4 5 6 8 10 12		17				
	25				8~22	4 5 6 8 10 12 16	4 5 6 8 10 12 16		22				
	30	-0.008 -0.025	20~1500		9~27	5 6 8 10 12 16 20 24	6 8 10 12 16 20		27	15		1.0	
	35				9~32	5 6 8 10 12 16 20 24	8 10 12 16 20 24		30				
	40				11~37	6 8 10 12 16 20 24 30	10 12 16 20 24 30		36		0.5		
	50				11~47	6 8 10 12 16 20 24 30	12 16 20 24 30		41				

型号		最小单位1			M 选择		N 选择		扳手槽尺寸			R	C								
代码	D _{g6}	L	E	P					S	W	V										
Y-FCS32 Y-FCS36 Y-FCS37	8	-0.005 -0.014	20~300	E=2~P×4	6	3	3	4	5	① 根据使用要求指定S尺寸 ② 最小单位1 ③ 扳手槽尺寸参照导向轴产品简介	7	8	0.5								
	10				6~8	3	4	5	3		4	5		6	8						
	12				6~10	3	4	5	6		4	5		6	8						
	13				6~11	3	4	5	6		8	4		5	6	8					
	15	-0.006 -0.017	20~350		6~13	3	4	5	6		8	10		4	5	6	8	10			
	16				6~14	3	4	5	6		8	10		4	5	6	8	10			
	18				8~16	4	5	6	8		10	12		4	5	6	8	10	12		
	20				8~17	4	5	6	8		10	12		4	5	6	8	10	12		
	25	-0.007 -0.020	20~450		8~22	4	5	6	8		10	12		16	4	5	6	8	10	12	16
	30				8~27	5	6	8	10		12	16		20	24	6	8	10	12	16	20



代码

变更L尺寸公差

LC



技术说明

选型方法

LC

① 最小单位0.1

② $L < 300$ 变更为 $L \pm 0.03$;
 $300 \leq L < 600$ 变更为 $L \pm 0.05$;
 $L \geq 600$ 变更为 $L \pm 0.1$

③ $L > 300$ 的精密级不适用

代码

变更内螺纹为细牙螺纹

NC()



技术说明

选型方法

NC14

D	NC				
12-13	8				
15-16	8	10			
18	8	10	12		
20	8	10	12	14	
25-35	8	10	12	14	18
40	—	10	12	14	18
50	—	—	12	14	18
螺距	1.0	1.25	1.5		

① 选型时，须将N变更为NC

② 选型时，N与NC须变为相同尺寸



请按图示

型号		L	E	P	M	N	S
代码	D						
Y-FCS06	8	20~300	E=2~P×4	6	3	3 4 5	①根据使用要求 指定S尺寸
Y-FCS07	10			6~8	3 4 5	3 4 5 6	

Y-FCS06—D8—L30—E15—P6—M3—N4—S15

型号		L	E	P	M	N	S	可选加工代码
代码	D							
Y-FCSD6	8	20~300	E=2~P×4	6	3 4 5	3 4 5	根据使用要求 指定尺寸	NC()
Y-FCSD7	10			6~8	3 4 5	3 4 5 6		

Y-FCS06-D8-L30-E15-P6-M3-N4-S15-LC



数量	1~9	10~
价格	95%	另行报价