


Driving Shafts

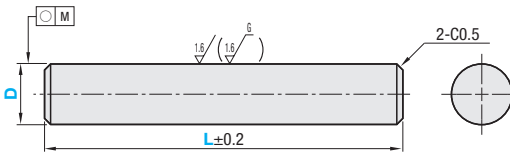
Straight

■ **Features:** Rotary Shafts suitable for driving motion. Accuracies and shapes needed for rotary driving applications are selectable.



Type	D Tolerance	Material	Hardness	Surface Treatment
KZAN	h7	S45C	-	-
KZAC				Black Oxide
KZAP				Electroless Nickel Plating
KZAF	h6	S45C	Induction Hardened Surface Hardness 50HRC-	-

D	Tolerance		D	Circularity M
	h7	h6		
10	0	0	10	0.004
12	-0.015	-0.009	12	
15	0	0	15	
17	-0.018	-0.011	17	0.005
20	0	0	20	
25	-0.021	-0.013	25	0.006
30	0	0	30	
35	0	0	35	
40	-0.025	-0.016	40	0.005
45	0	0	45	
50	0	0	50	0.007



*For KZAF, 1.6/1.6 will be 1.6/6
*KZAF may have centering holes on shaft ends.

RoHS10

ⓘ Please note that D dimension tolerance of KZAF is different from that of KZAN, KZAC and KZAP.

Part Number		L 0.5mm Increment
Type	D	
KZAN KZAC KZAP KZAF	10	50.0~300.0
	12	
	15	
	17	
	20	
KZAF	25	100.0~500.0
	30	
	35	
	40	
	45	
	50	200.0~500.0



Ordering Example **Part Number** - **L**
KZAN30 - **500**

• About KZAF (Induction Hardened)

When alterations on the right-hand page are specified, the shafts are induction hardened (except the threaded sections) after machining.
 As a result, these may occur:

- ①: Due to thermal conduction to the thread, the threads may be hardened by 2 ~ 3mm.
- ②: Induction Hardened may shrink the keyway width (around -0.01 ~ -0.02). If the key becomes hard to fit, adjust it by gauging.

Type	KZAN					KZAC					KZAP				
	Min. L	L100.5	L200.5	L300.5	L400.5	Min. L	L100.5	L200.5	L300.5	L400.5	Min. L	L100.5	L200.5	L300.5	L400.5
D	~100.0	~200.0	~300.0	~400.0	~500.0	~100.0	~200.0	~300.0	~400.0	~500.0	~100.0	~200.0	~300.0	~400.0	~500.0
10															
12				-	-				-	-				-	-
15				-	-				-	-				-	-
17				-	-				-	-				-	-
20				-	-				-	-				-	-
25															
30															

Type	KZAF				
D	Min. L	L100.5	L200.5	L300.5	L400.5
D	~100.0	~200.0	~300.0	~400.0	~500.0
10					
12				-	-
15				-	-
17				-	-
20				-	-
25					
30					
35					
40					
45	-				
50	-				