


Rotary Shafts - D Tolerance h9 (Cold-drawn) / h7 (Ground) / g6 (Ground) Straight

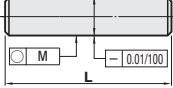
Select from h9 (Cold-drawn), h7 (Ground) and g6 (Ground) for your applications.



RoHS 10

Type	D Tolerance	Material	Surface Treatment
(1)	h9 (Cold-drawn)	S45C	Black Oxide
		Equivalent	Electroless Nickel Plating
		SUS304	-
(2)	h7 (Ground)	S45C	Black Oxide
		Equivalent	Electroless Nickel Plating
		SUS304	-
(3)	g6 (Ground)	S45C	Black Oxide
		Equivalent	Electroless Nickel Plating
		SUS304	-
		SCM435	Black Oxide
		SCM435 - SSFRZ	Electroless Nickel Plating
		Electroless Nickel Plating	-

■ Circularity and Straightness



Ⓜ Straightness of size D2, D2.5 is 0.1/100.
Ⓜ Not applicable to h9 (Cold-drawn).

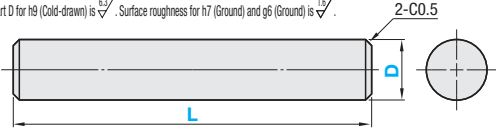
■ Circularity of Part D

D	over	or Less	Circularity M
1	1	2.5	0.006
3	3	13	0.004
13	20	20	0.005
20	40	40	0.006
40	50	50	0.007

Ⓜ Not applicable to h9 (Cold-drawn).

■ L Dimension Tolerance

Dimension	over	or Less	Tolerance
14	30	30	±0.2
30	120	120	±0.3
120	400	400	±0.5
400	1000	1000	±0.8



Ⓜ Surface roughness of Part D for h9 (Cold-drawn) is $\sqrt{0.3}$. Surface roughness for h7 (Ground) and g6 (Ground) is $\sqrt{0.15}$.

(1)h9 (Cold-drawn)

Type	Part Number	D _{h9}	L=0.1mm Increment
SFMR	3	0	15.0-150.0
	4	-0.025	15.0-200.0
	5	0	15.0-250.0
	6	-0.030	15.0-400.0
	8	0	15.0-500.0
	10	-0.036	15.0-600.0
	12	0	15.0-700.0
	15	-0.043	15.0-800.0
	20	0	30.0-1000.0
	25	-0.052	50.0-1000.0
	30	0	60.0-1000.0
	35	-0.062	70.0-1000.0
	40	0	80.0-1000.0
	50	-0.062	100.0-1000.0

PSFMR
SSFMR (D6 is not available for SSFMR.)

(2)h7 (Ground)

Type	Part Number	D _{h7}	L=0.1mm Increment
SFHR	3	0	15.0-150.0
	4	0	15.0-200.0
	5	-0.012	15.0-250.0
	6	0	15.0-400.0
	8	0	15.0-500.0
	10	-0.015	15.0-600.0
	12	0	15.0-700.0
	15	-0.018	15.0-800.0
	17	0	30.0-900.0
	20	-0.021	30.0-1000.0
	25	0	50.0-1000.0
	30	-0.025	60.0-1000.0
	35	0	70.0-1000.0
	40	-0.025	80.0-1000.0
	50	-0.025	100.0-1000.0

PSFHR
SSFHR

(3)g6 (Ground)

Type	Part Number	D _{g6}	L=0.1mm Increment
SFR	2	-0.002	15.0-50.0
	2.5	-0.008	15.0-50.0
	3	-0.008	15.0-150.0
	4	-0.004	15.0-200.0
	5	-0.012	15.0-250.0
	6	-0.005	15.0-400.0
	8	-0.014	15.0-500.0
	10	-0.014	15.0-600.0
	12	-0.006	15.0-700.0
	13	-0.017	15.0-700.0
	*15	-0.006	15.0-800.0
	16	-0.017	15.0-900.0
	17	-0.007	30.0-900.0
	18	-0.020	30.0-900.0
	*20	-0.007	30.0-1000.0
22	-0.007	40.0-1000.0	
*25	-0.020	50.0-1000.0	
*30	-0.009	60.0-1000.0	
*35	-0.025	70.0-1000.0	
*40	-0.009	80.0-1000.0	
*50	-0.025	100.0-1000.0	

PSFHR
SSFHR
(D13, D16, D18 or D22 is not available for SSFR.)
*HFR (Only * marked sizes are available.)
*PHFR (Only * marked sizes are available.)

Ⓜ For HFR, PHFR, the upper limit for L dim. is 800.

Ordering Example

Part Number	-	L
SFMR15	-	150
PSFHR20	-	300