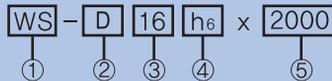


- if) When both ends are fixed;  
 According to condition  $P = 100\text{N}$   
 $l = 1800(\text{mm})$   
 $C = 3.44 \times 10^{-13} (1/\text{N} \cdot \text{mm}^2)$   
 from the table, Therefore  

$$\delta_{\max} = \frac{1}{4} P l^3 C = 0.05 (\text{mm})$$

## 5 Part Number of LM Shaft

### 1. Type number format I (Case hardened & ground shaft)



#### ① Type of LM Shaft

Case Hardened and Ground Shaft	WS	Conventional shaft to be used with Ball Bushing. - Material : High Carbon Steel (KS SM55C, JIS S55C) for LM Shaft, KS STB-2(JIS SUJ-2)
	WAS	The exclusive usage for Ball Bushing in use for high anti-corrosive applications under the oxidizing atmosphere such as water, vapor, chemical, food process machinery, semiconductor and medical equipments. - Material : KS STS440C(JIS SUS440C)
	WCS	Hard Chromium plated shaft providing a cost reduction in comparison to the stainless steel shaft with the same function as anti-corrosion. - Material : High Carbon Steel KS SM55C(JIS S55C) for LM Shaft, KS STB-2(JIS SUJ-2)

- ② Machining type and number (In case of standard shaft or simple cutting shaft, This is not necessary to be indicated)

D	Manufacture refer to drawing
---	------------------------------

③Diameter (mm), ④Diameter Tolerance ( $\mu\text{m}$ ), ⑤Length(mm)

DIA (mm)	Diameter tolerance ( $\mu\text{m}$ )			Standard stroked length L (mm)							
	g6	h5	h6	300	500	1000	1200	1500	2000	3000	
3	-2 ~ -8	0 ~ -4	0 ~ -6								
4											
5	-4 ~ -12	0 ~ -5	0 ~ -8								
6											
8	-5 ~ -14	0 ~ -6	0 ~ -9								
10											
12											
13	-6 ~ -17	0 ~ -8	0 ~ -11								
16											
20											
25											
30	-7 ~ -20	0 ~ -9	0 ~ -13								
35											
40											
50	-9 ~ -25	0 ~ -11	0 ~ -16								
60											
80											

Note 1) Max. Length : 6000mm

2) Max. Diameter :  $\varnothing$ 300mm