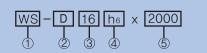
if) When both ends are fixed; According to condition  $P=11.5\times 10\text{-}3(\text{kgf}\cdot\text{mm}^2) \quad \text{\&}\$\text{=}1800(\text{mm})$   $C=3.44\times 10\text{-}12\ (1/\text{kgf}\cdot\text{mm}^2)$  from the table, Therefore

$$\delta \max = \frac{1}{4} P\ell^3 \quad C = 0.05 \text{ (mm)}$$

## 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 ( $\mu$ m), 5Length(mm)

DIA	Diameter	tolerance	e (μm)	Standard stroked length L (mm)						
(mm)	g6	h5	h6	300	500	1000	1200	1500	2000	3000
3	<b>-</b> 2 ~ <b>-</b> 8	0 ∼ <b>−</b> 4	0 ∼ <b>−</b> 6							
4	-4 ~-12	0~-5	0~-8							
5										
6										
8	<b>-</b> 5 ∼ <b>-</b> 14	0 ~ −6	0~-9							
10										
12	_6 ~-17	0 ~ −8	0 ~ −11							
13										
16										
20	_7 ~ <b>-</b> 20	0~-9	0∼−13							
25										
30										
35	<b>-</b> 9 ~ <b>-</b> 25	0 ∼ −11	0∼−16							
40										
50										
60	<b>-</b> 10 ∼ <b>-</b> 29	0 ∼ <b>−</b> 13	0∼−19							
80										

Note 1) Max. Length: 6000mm 2) Max. Diameter: 300mm