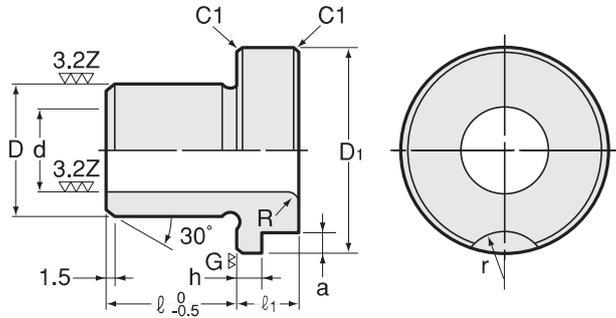


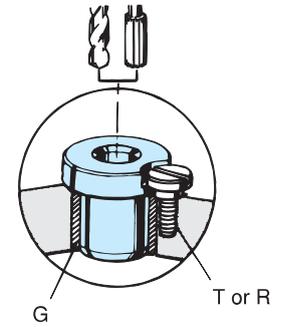
# Type F

## Fixed Renewable Bushing Type F



※ 1. Bushing with I.D. size smaller than 3.0mm uses 30 degree chamfered radius (R).

### Example



### Application

Fixed renewable bushing can be used continuously when products are made in high volume.

### Tolerance of I.D.

d	1.6 ~ 3.0	3.1 ~ 6.0	6.1 ~ 10.0	10.1 ~ 18.0	18.1 ~ 30.0	30.1 ~ 42.0
SF (G6)	+0.008 +0.002	+0.012 +0.004	+0.014 +0.005	+0.017 +0.006	+0.020 +0.007	+0.025 +0.009
F	+0.025 +0.002	+0.030 +0.004	+0.036 +0.005	+0.043 +0.006	+0.052 +0.007	+0.062 +0.009

### Concentric runout (T.I.R.) of O.D.to I.D.

d	1.6 ~ 18.0	18.1 ~ 42.0
SF.	0.005 or less	0.008 or less
F	0.012 or less	0.020 or less

- 1.Fixed renewable bushing must be used in combination with headless liner bushing (Type G).
- 2.O.D.(D) of fixed renewable bushing must coincide with I.D.(d) of headless liner bushing.

SF..... For higher accuracy  
 F..... For standard accuracy

d	D (m5)		D1	ℓ 1	h	a	R	r	Lock screw Round clamp	Grade	ℓ						
											12	16	20	25	30	35	45
1.6 ~ 2.0	8	+0.012 +0.006	16	8	3.5	3	※ 1	7	T-5 R-5	SF	○						
										F	○						
2.1 ~ 3.0	8	+0.012 +0.006	16	8	3.5	3	※ 1	7	T-5 R-5	SF	○						
										F	○						
3.1 ~ 4.0	8	+0.012 +0.006	16	8	3.5	3	1	7	T-5 R-5	SF	○	○					
										F	○	○					
4.1 ~ 6.0	10	+0.012 +0.006	19	8	3.5	3	1	7	T-5 R-5	SF	○	○					
										F	○	○					
6.1 ~ 8.0	12	+0.015 +0.007	22	8	3.5	3	2	7	T-5 R-5	SF		○	○				
										F		○	○				
8.1 ~ 10.0	15	+0.015 +0.007	26	9	3.5	3	2	7	T-5 R-5	SF		○	○				
										F		○	○				
10.1 ~ 12.0	18	+0.015 +0.007	30	9	3.5	3	2	7	T-5 R-5	SF			○	○			
										F			○	○			
12.1 ~ 15.0	22	+0.017 +0.008	35	12	5	4	2	9	T-6 R-6	SF			○	○			
										F			○	○			
15.1 ~ 18.0	26	+0.017 +0.008	40	12	5	4	2	9	T-6 R-6	SF				○	○		
										F				○	○		
18.1 ~ 22.0	30	+0.017 +0.008	47	12	5	4	3	9	T-6 R-6	SF				○	○		
										F				○	○		
22.1 ~ 26.0	35	+0.020 +0.009	55	15	6	5	3	10	T-8 R-8	SF					○	○	
										F					○	○	
26.1 ~ 30.0	42	+0.020 +0.009	62	15	6	5	3	10	T-8 R-8	SF					○	○	
										F					○	○	
30.1 ~ 35.0	48	+0.020 +0.009	69	15	6	5	4	10	T-8 R-8	SF						○	○
										F						○	○
35.1 ~ 42.0	55	+0.024 +0.011	77	15	6	5	4	10	T-8 R-8	SF						○	○
										F						○	○

## Ordering Example

SF - 6.0 × 12  
           d       ℓ

## Code

0000 062 060 12  
           Code       d       ℓ  
           F:061  
           SF:062  
           FR:063