

# Optional Parts Applicable to BC and BF Types

● Dust seals are the standard accessories of the shift tables.

## Dimension Table of Applicable Optional Parts

### Product Identification for Ordering

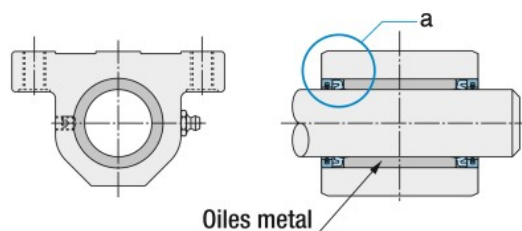
Specify by **BTC** **BTF** **I.D.** - **MS**  
**Part No.**

└ Metal scraper (MS)  
 No symbol: None  
 MS: both ends

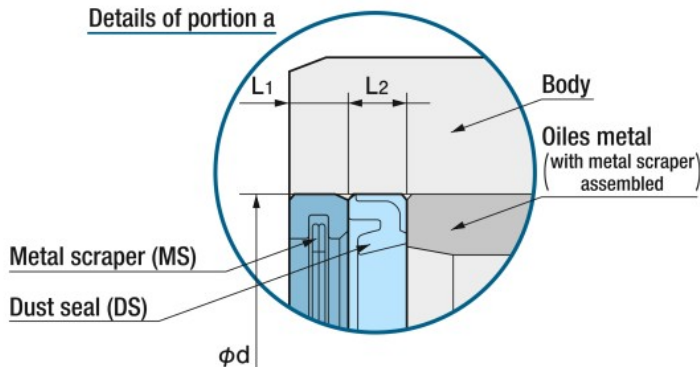
(e.g.) When BC type is used and 16-mm I.D. metal scraper is used  
**BTC16-MS**

#### ■ Metal scraper (MS)

- Use the metal scraper (MS standard) to remove welding splutters adhered to the guide shaft, stuck grease, etc.
- The metal scraper causes no damages to the guide shaft, since it is a coil scraper made of phosphor bronze.
- No dust seal (DS) is assembled when the metal scraper (MS) is attached to the BC type.



Details of portion a



### When Using Alone

#### ■ Metal Scraper (MS)

No dust seal (DS) is assembled when the metal scraper (MS) is attached to the BC type.

Specify by **MS** **I.D.**  
**Part No.**

#### ■ Dust Seal (DS)

Specify by **DS** **I.D.**  
**Part No.**

Applicable shaft dia. (φd)	Metal scraper (MS)			Dust seal (DS)		
	Part No.	Outer dia. D	Length L1	Part No.	Outer dia. D	Length L2
16	<b>MS16</b>	22	4.4	<b>DS16</b>	22	3
20	<b>MS20</b>	28	4.9	<b>DS20</b>	28	5
25	<b>MS25</b>	33	4.9	<b>DS25</b>	33	5
30	<b>MS30</b>	40	3.9	<b>DS30</b>	40	6
35	<b>MS35</b>	45	4.9	<b>DS35</b>	45	6
40	<b>MS40</b>	50	5.3	<b>DS40</b>	50	6
50	<b>MS50</b>	62	5.3	<b>DS50</b>	62	7

※ Press-fit hole tolerance, BC type: φD Js7 BF type: φD H8, applicable shaft diameter tolerance should be φde7 to h7.