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**SPECIFICATIONS**  
**for**  
**Large Diameter Optical Fiber Cleaver**  
**CT-104**

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# **SPECIFICATIONS**

## **for**

# **Large Diameter Optical Fiber Cleaver**

# **CT-104**

### 1. General

These specifications cover the large diameter optical fiber cleaver CT-104. They are used for cleaving optical fibers up to 600 $\mu$ m in diameter.

CT-104 has a manual fiber clamping system.

### 2. Features

- Applicable from 80 $\mu$ m to 600 $\mu$ m diameter fibers
- Manual fiber clamp system can be used with a torque driver if required
- The Cleavers can store up to 100 program modes.
- Fiber holder adapter for FH-100 series is (optional)
- Communication to a PC via USB

### 3. Specifications

	CT-104
Applicable optical fibers	Glass optical fibers, capillary
Number of fiber	Single
Cladding diameter	80 to 600 $\mu$ m
Coating diameter	160 to 3,000 $\mu$ m
Fiber clamping	Manual clamping with torque driver when required
Angled cleaving	NA
Blade life	20,000 fibers (cladding diameter 125 $\mu$ m)
Number of cleaving mode	Maximum 100
Monitor	4.7 inches color LCD
Language	English/Japanese
Dimensions	240(W)x134(D)x155(H) mm
Weight	3.4kg
Power supply	AC adaptor: ADC-19 Input:AC100-240V(50/60Hz) max.20W
Operation condition	0 to 95%RH and 0 to 40 degreesC (non-dew)
Storage condition	0 to 95%RH and -40 to 80 degreesC (non-dew)
Terminal	USB2.0 (Mini-B type) for PC communication

#### 4. List of items

##### 4.1 Standard Items

	CT-104
Main body	CT-104 ×1
AC adaptor	ADC-19×1pc
AC power cord	1pc, selectable ACC -08: Japan type -09: USA type-10: EU type -11: UK type -12: Australia type
USB cable	USB-01 (mini type) ×1pc
Instruction manual	M-CT104×1pc
Height adjustment spacer	SPA-CT105-30 (30μm thickness) ×3pc SPA-CT105-50 (50μm thickness) ×3pc SPA-CT105-100 (100μm thickness) ×3pc
Test report	1pc (written in both English and Japanese)
Hexagon wrench	HEX-01 ×1

##### 4.2 Optional Items

	CT-104
Blade for replacement	CB-06
Upper Insert	INSERT-U-xxx-xxx (refer to NOTE 2 below)
Downer Insert	INSERT-L-xxx-xxx (refer to NOTE 2 below)
Insert set 80-1750μm (all pairs of insert up to 1750μm)	INSERT-SET-80-1750
Height adjust spacer	SPA-CT105-30 (30μm thickness) ×10pc
	SPA-CT105-50 (50μm thickness) ×10pc
	SPA-CT105-100 (100μm thickness) ×10pc
Fiber holder adapter	AD-CT105-FH100
Torque Driver	TD-01

#### NOTE 1: Height adjust spacer SPA-CT105-xxx

Depending on the fiber size and/or materials, clamp mechanism may not hold the fiber well.  
 In such a case, adding the spacer” will help to clamp the fiber.

NOTE 2: How to select the type of INSERT-U-xxx-xxx, INSERT-L-xxx-xxx

Standard item DOES NOT include upper and lower insert.

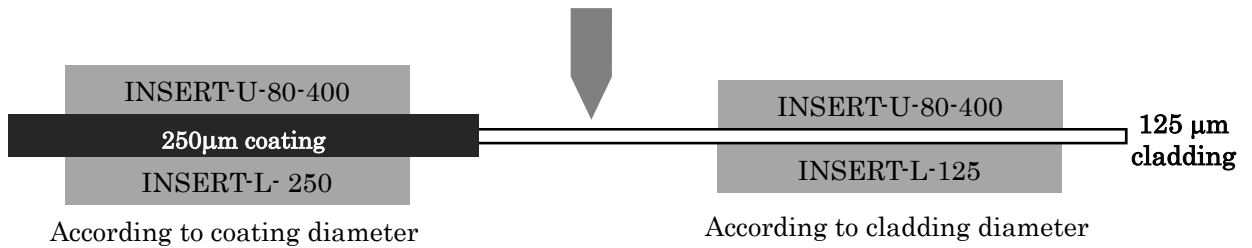
Referring the size table, please order both upper and lower insert.

	INSERT-U-80-400	INSERT-U-500-750		INSERT-U-1000-1250		INSERT-U-1500-1750		INSERT-U-2000-2250		INSERT-U-2500-3000	
		500	750	1000	1250	1500	1750	2000	2250	2500	3000
INSERT-L-80	60-100										
INSERT-L-125	90-160										
INSERT-L-160	115-200										
INSERT-L-250	180-300										
INSERT-L-400	280-500										
INSERT-L-500-750	500	475-700									
	750		675-900								
INSERT-L-1000-1250	1000			925-1150							
	1250				1125-1400						
INSERT-L-1500-1750	1500					1375-1700					
	1750						1675-1900				
INSERT-L-2000-2250	2000							1875-2200			
	2250								2175-2450		
INSERT-L-2500-3000	2500									2425-2750	
	3000										2725-3175

The number in the table shows the applicable diameter [ $\mu\text{m}$ ].  
 It is necessary to move up or down in size based on specific fibers

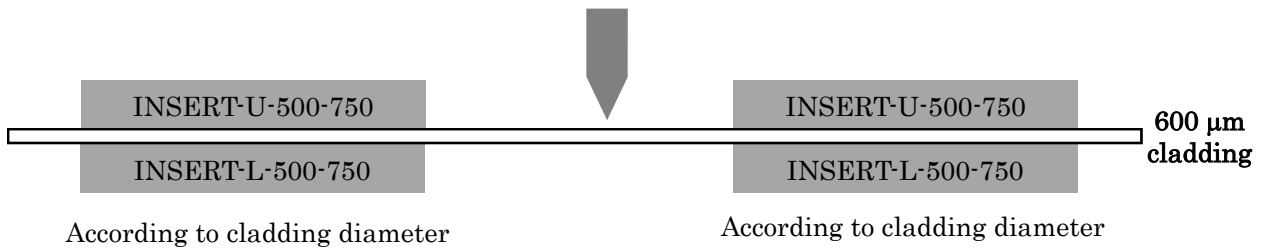
Case 1: Cleaving coating stripped fiber

Inserts for each side are selected according to the coating and cladding diameter.



Case 2: Cleaving fiber rod and capillary

Two unit inserts according to rod diameter are necessary.



Specifications subject to change without prior notice

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