

SPEC. INFO	FL-BC1618-9M	K66184-S001-B13
		Mar. 11. 2016

1. Model FL-BC1618-9M
2. Application For 1 Format Camera

3. Specification

3-1. Physical (As per the attached drawing)

- (1) Dimensions $\phi 42.0 \text{ mm} \times 64.0 \text{ mm}$
- (2) Weight 153 g
- (3) Mount C-Mount (1 – 32 UN – 2A)
- (4) Filter Screw Size M40.5 mm , P = 0. 5 mm

3-2. Optical

- (1) Focal Length 16 mm $\pm 5\%$
- (2) Max. Aperture Ratio 1: 1.8
- (3) Iris Range F / 1.8 to F / 16
- (4) Angle of View
 Diagonal 53.2°
 Horizontal 43.8°
 Vertical 33.5°
- (5) Picture format 12.8 mm $\times$ 9.6 mm
- (6) Focusing Range Inf. to 0.08 m
- (7) Back Focal Length 14.1 mm (in air)
- (8) Flange Back Length 17.526 mm $\pm 0.05 \text{ mm}$ (in air)

3-3. Mechanical

- (1) Focusing Mechanism
 Rotation Angle 77°
 Rotation Torque 0.2N·cm to 10.0 N·cm
 Focus Ring can be fixed at any positions by
 3 fixing screws (A) or 1 thumb screw (refer to external view)
- (2) Iris Mechanism
 Non-click
 Rotation Angle 84°
 Rotation Torque 0.01N·cm to 3.0 N·cm
 Iris Ring can be fixed at any positions by 3 fixing screws (B)
 or 1 thumb screw (refer to external view)

3-4. Vibration & Shock Test Standard

(1) Vibration Conditions

Wave	Sine Wave
Acceleration	1.96 m/s ² to 59.78 m/s ²
Cycle Range	10 Hz to 55 Hz
Cycle Period	3 Minutes
Duration of Vibration	120 Minutes Respectively in Three Dimensional Directions

(2) Shock Conditions

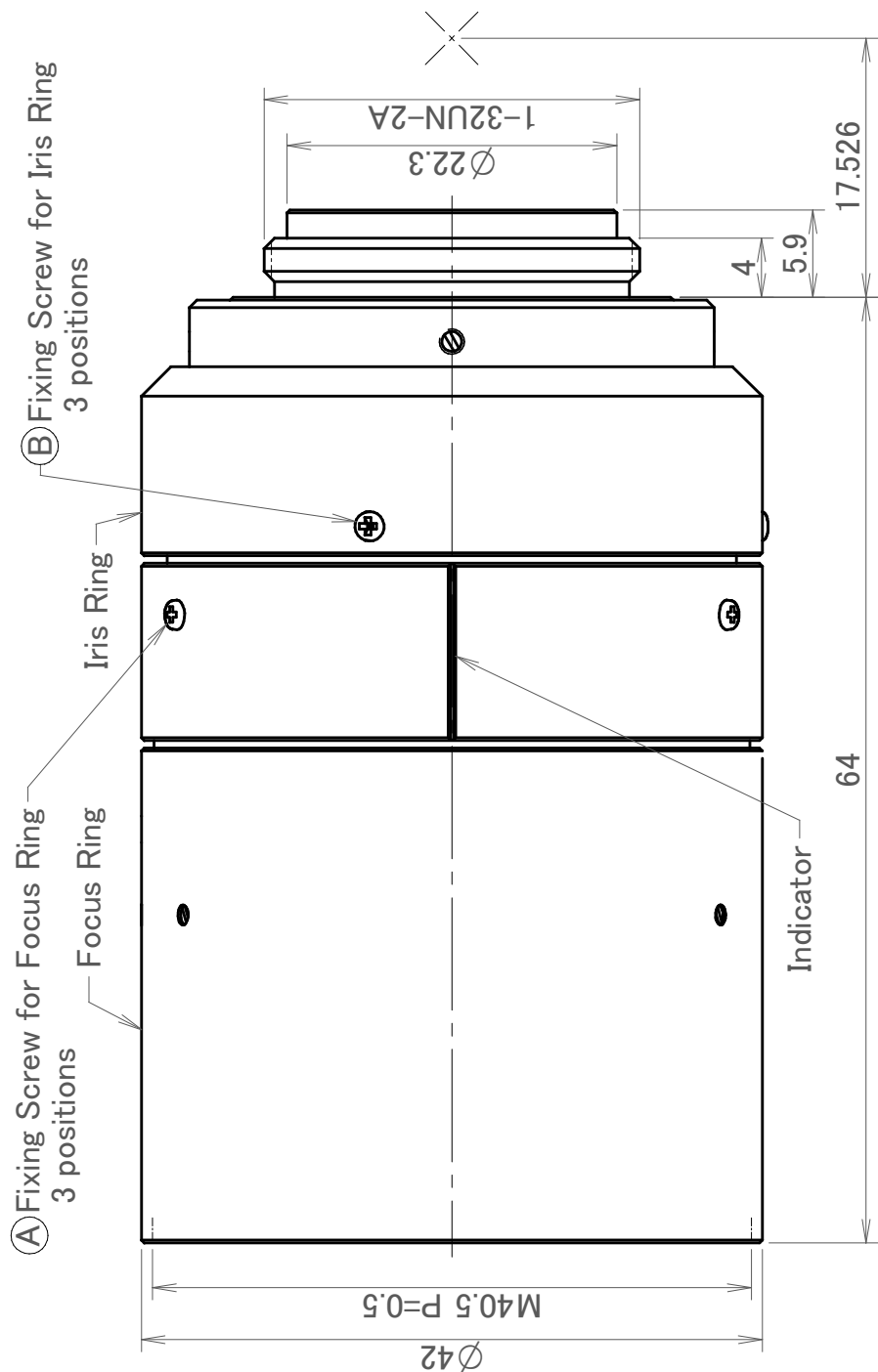
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s ²
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

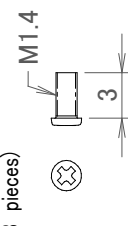
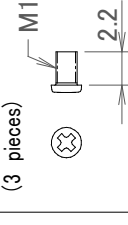
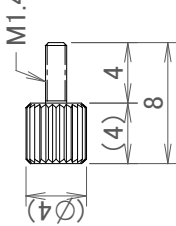
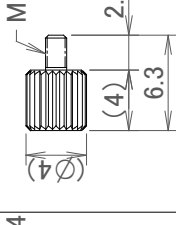
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3-5. Environmental Temperature Range -10°C to $+50^{\circ}\text{C}$

4. Accessories

(1) Front Lens Cap	1 piece	
(2) Rear Lens Cap	1 piece	
(3) Fixing Screw ① for Focus Ring	3 pieces	
(4) Fixing Screw ② for Iris Ring	3 pieces	
(5) Thumbscrew for Focus Ring	1 pieces	(for Optional Usage)
(6) Thumbscrew for Iris Ring	1 pieces	(for Optional Usage)
(7) Packing Box	1 piece	



① Fixing Screw for Focus Ring (3 pieces)  M1.4 3 2.2	② Fixing Screw for Iris Ring (3 pieces)  M1.4 2.2
Thumb Screw for Focus Ring Optimal Usage (1 piece)  M1.4 4 8 (4)	Thumb Screw for Iris Ring Optimal Usage (1 piece)  M1.4 2.3 6.3 (4)

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