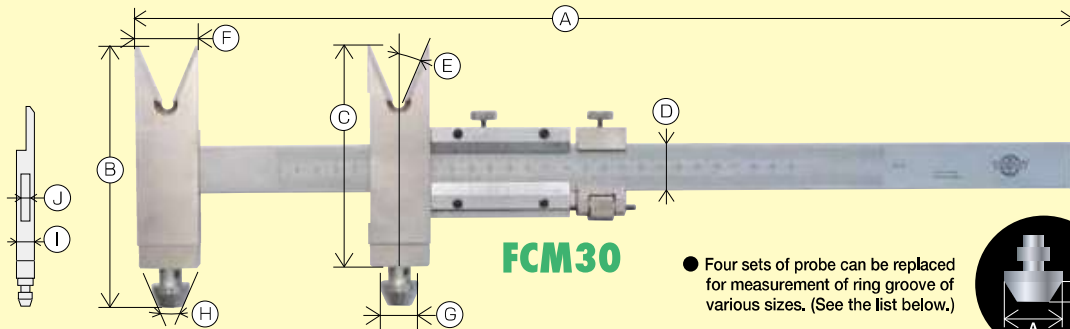


FCM For inspection

Adequate for measurement of flange ring groove



Kanon original flange caliper adequate for measurement of dimensions "within JPI standard"

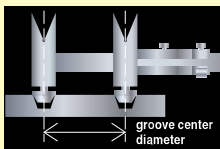


FCM30

● Four sets of probe can be replaced for measurement of ring groove of various sizes. (See the list below.)

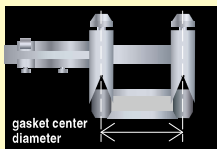
● The dimensions of flange ring groove and gasket can be securely measured.

Method of measurement of groove center diameter



Select a probe (No. 1 to 4) from the list according to the ring No. of groove to be measured.

Method of measurement of gasket center diameter



Carry out adjustment by jogging so that the V-shape measurement section is completely in contact with the gasket.

■ FCM : List of probes

| Probe | Dimensions of groove | | Ring No. |
|----------------------|----------------------|-------|---|
| | Width | Depth | |
| No.1 8(A)×4(B) | 7.14 | 5.56 | R11 |
| | 8.74 | 6.35 | R12~20, 22, 25, 29, 33, 36, 40, 43, 48, 52, 56, 59, 64, 68, 72, 76, 80 |
| No.2 14(A)×6(B) | 11.91 | 7.92 | R21, 23, 24, 26, 27, 30, 31, 34, 35, 37, 39, 41, 44, 45, 49, 53, 57, 61, 65, 69, 82, 84, 92, 99 |
| | 13.49 | 9.52 | R28, 32, 46, 73, 85 |
| | 15.09 | 11.13 | R81 |
| | 16.69 | 11.13 | R38, 50, 54, 62, 66, 77, 86, 87 |
| No.3 20(A)×7.5(B) | 19.84 | 12.70 | R42, 47, 70, 74, 88, 89, 93, 94, 95 |
| | 23.01 | 14.27 | R51, 58, 90, 96, 97, 98 |
| | 26.97 | 15.88 | R63, 78 |
| No.4 30(A)×7.5(B) | 30.18 | 17.48 | R55, 67, 71, 100 |
| | 33.32 | 17.48 | R60, 75, 91, 101, 102, 103 |
| | 36.54 | 20.62 | R79, 104, 105 |

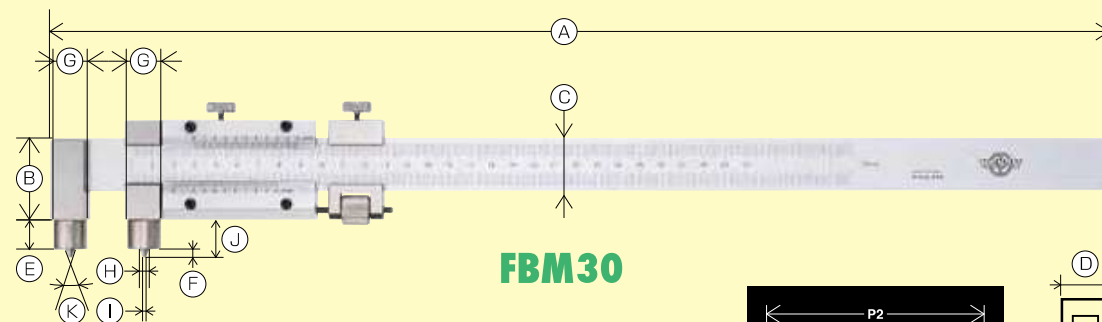
■ FCM : Specifications

(Unit : mm)

| Model | Measuring length | Minimum reading | Instrumental error | Weight | A | B | C | D | E | F | G | H | I | J |
|-------|------------------|---|--------------------|---------------------|-----|-------|-----|----|-----|----|----------|-----|----|---|
| FCM30 | 33~300 | 0.02 | ±0.04 | Approximately 1.2kg | 500 | 135.5 | 115 | 25 | 23° | 32 | φ8, φ14 | 46° | 12 | 6 |
| FCM70 | 33~700 | (Division of 49 mm into 50 equal parts) | ±0.06 | Approximately 1.6kg | 900 | 135.5 | 115 | 25 | 23° | 32 | φ20, φ30 | 46° | 12 | 6 |

FBM For working

Developed for measuring dimensions of groove used for flange during processing



FBM30

P1 The dimensions of inner edge of groove can be measured with the lower scale of FBM (for working).

P2 The dimensions of outer edge of groove can be measured with the upper scale of FBM (for working).

P The center diameter of groove (R11 to R105 of JPI standard) can be measured with FCM (for inspection).

F Width of groove (JPI standard)

The figure on the right shows measurement locations.

■ FBM : Specifications

(Unit : mm)

| Model | Measuring length | | Minimum reading | Instrumental error | Weight | A | B | C | D | E | F | G | H | I | J | K | L |
|-------|------------------|------------------|---|--------------------|--------|-----|------|----|----|----|---|-----|------|----|----|-----|---|
| | P1 (Lower scale) | P2 (Upper scale) | | | | | | | | | | | | | | | |
| FBM30 | 12~300 | 23~300 | 0.02 | ±0.04 | 1.0kg | 500 | 37.5 | 25 | 11 | 14 | 4 | φ16 | φ5.5 | φ2 | 18 | 46° | 6 |
| FBM70 | 12~700 | 23~700 | (Division of 49 mm into 50 equal parts) | ±0.06 | 1.4kg | 900 | 37.5 | 25 | 11 | 14 | 4 | φ16 | φ5.5 | φ2 | 18 | 46° | 6 |