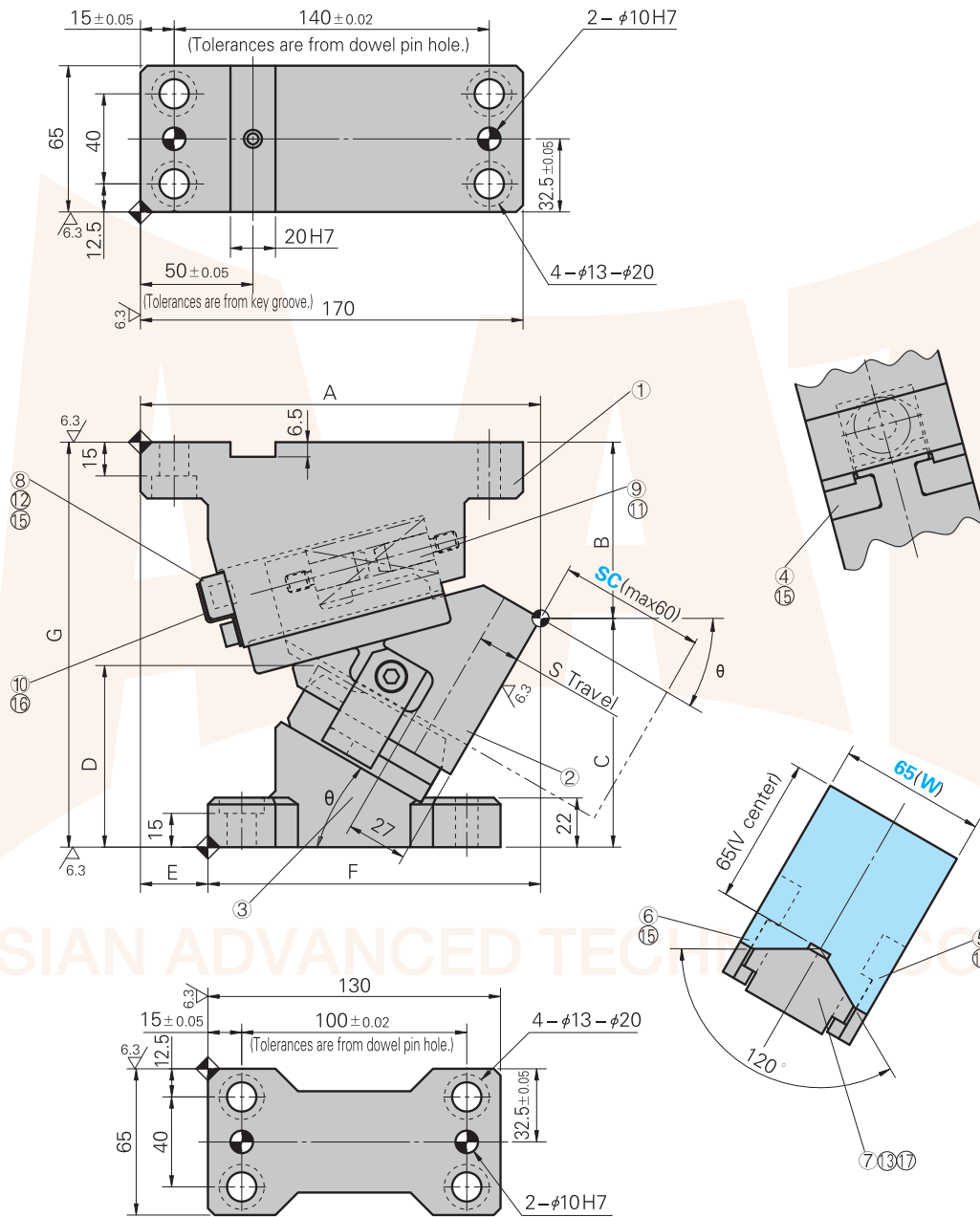


# Aerial Cam Unit

## - B-UCMSC/ B-UCMSF -

### B - UCMSC65 ( 00° ~ 70° )



Aerial Cam Unit

# Aerial Cam Unit

## - B-UCMSC/ B-UCMSF -

| W         | $\theta$ | S     | A      | B      | C      | D      | E    | F      | G   |
|-----------|----------|-------|--------|--------|--------|--------|------|--------|-----|
| B-UCMSC65 | 0        | 15.00 | 170.00 | 53.00  | 127.00 | 59.50  | -60  | 110.00 | 180 |
|           | 5        | 15.10 | 171.41 | 60.27  | 119.73 | 59.00  | -55  | 116.41 |     |
|           | 10       | 15.20 | 177.16 | 63.03  | 116.94 | 63.50  |      | 122.16 |     |
|           | 15       | 15.50 | 177.20 | 66.33  | 113.67 | 67.90  | -50  | 127.20 |     |
|           | 20       | 16.50 | 176.51 | 70.01  | 109.99 | 72.20  | -40  | 136.51 |     |
|           | 25       | 17.10 | 172.94 | 75.64  | 104.36 | 74.90  | -35  | 137.94 |     |
|           | 30       | 18.50 | 177.78 | 78.32  | 101.68 | 80.70  | -30  | 147.78 |     |
|           | 35       | 19.60 | 173.29 | 83.25  | 96.75  | 84.50  | -20  | 153.29 |     |
|           | 40       | 21.50 | 170.78 | 82.44  | 97.56  | 96.00  | -10  | 160.78 |     |
|           | 45       | 23.30 | 165.50 | 86.51  | 93.49  | 100.90 | -2.5 | 163.00 |     |
|           | 50       | 26.50 | 165.41 | 96.79  | 93.21  | 111.10 | 5    | 170.41 | 190 |
|           | 55       | 29.70 | 159.51 | 99.89  | 90.11  | 115.30 | 10   | 169.51 |     |
|           | 60       | 35.00 | 156.68 | 120.78 | 89.22  | 129.10 | 20   | 176.68 | 210 |
|           | 65       | 41.40 | 150.33 | 122.80 | 87.20  | 129.40 | 25   | 175.33 |     |
|           | 70       | 51.10 | 146.45 | 131.68 | 78.32  | 128.50 | 32   | 178.45 |     |

### Table of Components

| No. | Description                      | Qty | Material and Remark |
|-----|----------------------------------|-----|---------------------|
| ①   | Cam Holder                       | 1   | QT500               |
| ②   | Cam Slider                       | 1   | QT500               |
| ③   | Cam Driver                       | 1   | QT500               |
| ④   | Slide Plate                      | 2   | Bronze              |
| ⑤   | Positive Return A                | 1   | 45                  |
| ⑥   | Positive Return B                | 1   | 45                  |
| ⑦   | Cam Slide Guide                  | 1   | Bronze              |
| ⑧   | Stopper Plate                    | 1   | Q235                |
| ⑨   | Spring Guide Pin                 | 2   | Q235                |
| ⑩   | Safety Plate                     | 1   | Q235                |
| ⑪   | Coil Spring                      | 1   |                     |
| ⑫   | Urethane Stopper                 | 2   | $\phi$ 10 x 5       |
| ⑬   | Dowel Pin with Female Thread     | 2   | $\phi$ 8 x 30       |
| ⑮   | Hexagon Socket Brazier Head Bolt | 8   | LCS-8-18            |
| ⑯   | Hexagon Socket Head Bolt         | 2   | M 6 x 10            |
| ⑰   | Hexagon Socket Head Bolt         | 2   | M 10 x 30           |

| Option Code | Specification                                                                               |
|-------------|---------------------------------------------------------------------------------------------|
| SC          | The mount surface is extended forward in the range of 10 to 60 mm (at increments of 10 mm). |

### Order No :

|             |     |   |              |
|-------------|-----|---|--------------|
| Catalog No. | (W) | - | ( $\theta$ ) |
| B - UCMSC   | 65  | - | 70           |

# Aerial Cam Unit

## - B-UCMSC/ B-UCMSF -

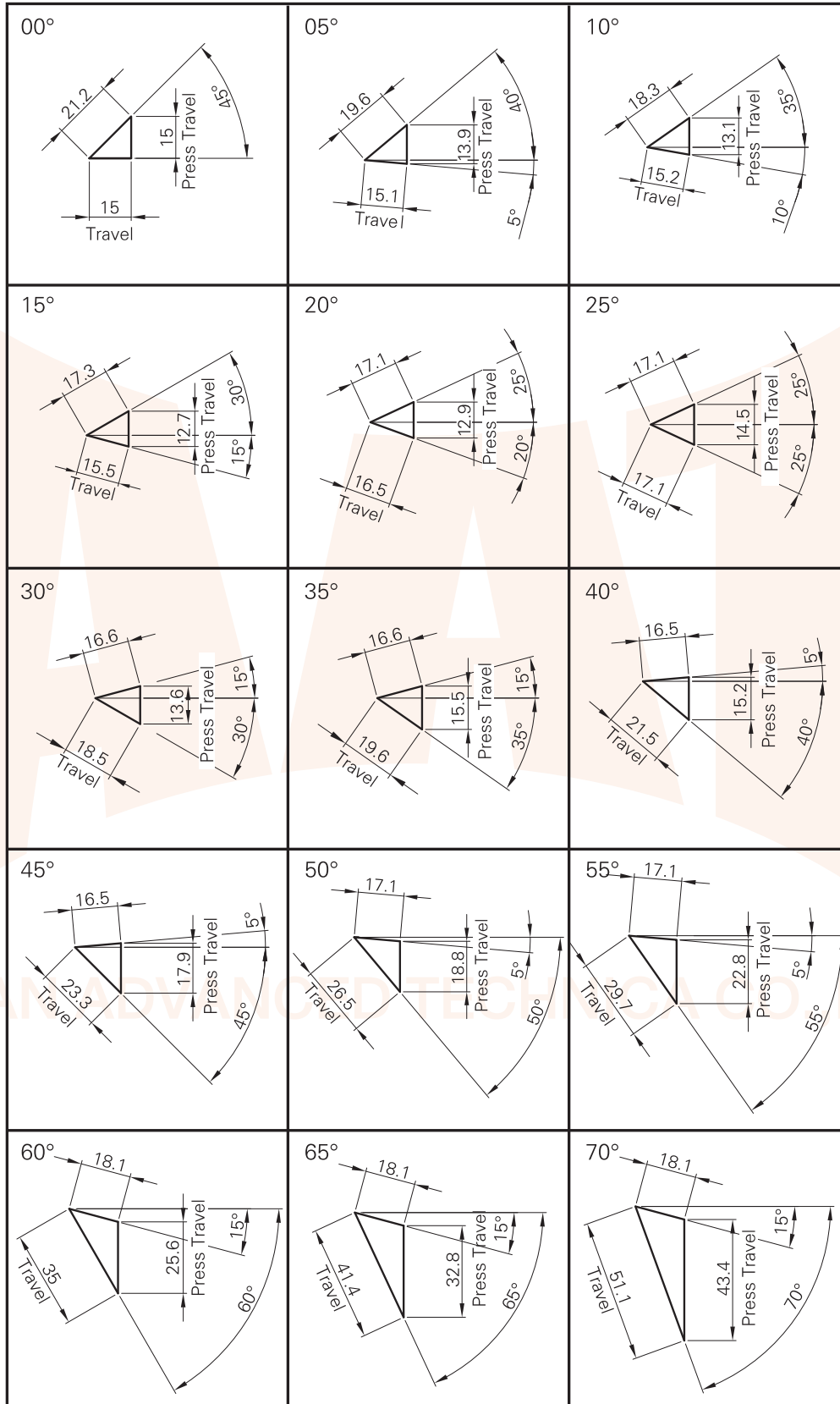
| Catalog No. | (W)  | (θ) | Travel S | Working Force kN(tonf)                          |                                              | Spring Force N (kgf) |                   | Total Weight kg |
|-------------|------|-----|----------|-------------------------------------------------|----------------------------------------------|----------------------|-------------------|-----------------|
|             |      |     |          | Standard Working Force<br>(one million strokes) | Allowable Working Force<br>(300,000 strokes) | Initial Load         | Final Load        |                 |
| B-UCMSC     | 65   | 00  | 15.0     | 19.6<br>(2.0)                                   | 39.2<br>(4.0)                                | 288.3<br>(29.4)      | 1187.2<br>(121.0) | 9.5             |
|             |      | 05  | 15.1     |                                                 |                                              | 356.2<br>(36.3)      |                   | 9.3             |
|             |      | 10  | 15.2     |                                                 |                                              | 348.2<br>(35.5)      | 1221.1<br>(124.4) | 9.0             |
|             |      | 15  | 15.5     |                                                 |                                              | 395.5<br>(40.3)      |                   | 8.8             |
|             |      | 20  | 16.5     |                                                 |                                              | 405.5<br>(41.3)      |                   | 8.6             |
|             |      | 25  | 17.1     |                                                 |                                              |                      |                   | 8.5             |
|             |      | 30  | 18.5     |                                                 |                                              | 429.3<br>(43.7)      |                   | 8.3             |
|             |      | 35  | 19.6     |                                                 |                                              |                      |                   |                 |
|             |      | 40  | 21.5     |                                                 |                                              | 434.1<br>(44.2)      |                   | 8.1             |
|             |      | 45  | 23.3     |                                                 |                                              |                      |                   |                 |
|             |      | 50  | 26.5     |                                                 |                                              | 405.5<br>(41.3)      |                   | 8.4             |
|             |      | 55  | 29.7     |                                                 |                                              |                      |                   |                 |
|             |      | 60  | 35.0     |                                                 |                                              | 357.8<br>(36.5)      | 9.3               |                 |
|             |      | 65  | 41.4     |                                                 |                                              |                      |                   |                 |
| 70          | 51.1 | 9.5 |          |                                                 |                                              |                      |                   |                 |

Aerial Cam Unit

# Aerial Cam Unit

- B-UCMSC/ B-UCMSF -

## Cam Diagram



# Aerial Cam Unit

## - B-UCMSC/ B-UCMSF -

### Spring Diagram

