

# HEXAGON SOCKET HEAD CAP SCREWS

# BOX SETS OF HEXAGON SOCKET HEAD CAP SCREWS

Box sets are money-savers for company stock and when the number of screws used is large.

**RoHS** **CB**

Detailed dimensions of each part **Page at right**

- SCM435 (M3 ~ M20)
- SCM440 (M24)
- 38 ~ 43HRC (M3 ~ M20)
- 32 ~ 37HRC (M24)
- Threads: JIS B 0205 Grade 2
- Black oxide (Fe<sub>3</sub>O<sub>4</sub>)
- Bolt precision JIS B 1176
- Strength class 12.9 (M3 ~ M20)
- 10.9 (M24)

| ℓ           | Catalog No. |     | Base unit price  |                  | * Qty. |
|-------------|-------------|-----|------------------|------------------|--------|
|             | Type        | M—L | ※ Less than Qty. | ※ More than Qty. |        |
| Full thread | CB 3—       | 5   |                  |                  | 50     |
|             |             | 6   |                  |                  |        |
|             |             | 8   |                  |                  |        |
|             |             | 10  |                  |                  |        |
|             |             | 12  |                  |                  |        |
|             |             | 14  |                  |                  |        |
|             |             | 15  |                  |                  |        |
|             |             | 16  |                  |                  |        |
|             |             | 18  |                  |                  |        |
|             |             | 20  |                  |                  |        |
|             |             | 22  |                  |                  |        |
|             |             | 25  |                  |                  |        |
|             |             | 30  |                  |                  |        |
|             |             | 35  |                  |                  |        |
| 18          | CB 4—       | 5   |                  |                  | 30     |
|             |             | 6   |                  |                  |        |
|             |             | 8   |                  |                  |        |
|             |             | 10  |                  |                  |        |
|             |             | 12  |                  |                  |        |
|             |             | 14  |                  |                  |        |
|             |             | 15  |                  |                  |        |
|             |             | 16  |                  |                  |        |
|             |             | 18  |                  |                  |        |
|             |             | 20  |                  |                  |        |
|             |             | 22  |                  |                  |        |
|             |             | 25  |                  |                  |        |
|             |             | 30  |                  |                  |        |
|             |             | 35  |                  |                  |        |
| Full thread | CB 4—       | 5   |                  |                  | 50     |
|             |             | 6   |                  |                  |        |
|             |             | 8   |                  |                  |        |
|             |             | 10  |                  |                  |        |
|             |             | 12  |                  |                  |        |
|             |             | 14  |                  |                  |        |
|             |             | 15  |                  |                  |        |
|             |             | 16  |                  |                  |        |
|             |             | 18  |                  |                  |        |
|             |             | 20  |                  |                  |        |
|             |             | 22  |                  |                  |        |
|             |             | 25  |                  |                  |        |
|             |             | 30  |                  |                  |        |
|             |             | 35  |                  |                  |        |
| 20          | CB 4—       | 5   |                  |                  | 30     |
|             |             | 6   |                  |                  |        |
|             |             | 8   |                  |                  |        |
|             |             | 10  |                  |                  |        |
|             |             | 12  |                  |                  |        |
|             |             | 14  |                  |                  |        |
|             |             | 15  |                  |                  |        |
|             |             | 16  |                  |                  |        |
|             |             | 18  |                  |                  |        |
|             |             | 20  |                  |                  |        |
|             |             | 22  |                  |                  |        |
|             |             | 25  |                  |                  |        |
|             |             | 30  |                  |                  |        |
|             |             | 35  |                  |                  |        |
| Full thread | CB 5—       | 5   |                  |                  | 50     |
|             |             | 6   |                  |                  |        |
|             |             | 8   |                  |                  |        |
|             |             | 10  |                  |                  |        |
|             |             | 12  |                  |                  |        |
|             |             | 14  |                  |                  |        |
|             |             | 15  |                  |                  |        |
|             |             | 16  |                  |                  |        |
|             |             | 18  |                  |                  |        |
|             |             | 20  |                  |                  |        |
|             |             | 22  |                  |                  |        |
|             |             | 25  |                  |                  |        |
|             |             | 30  |                  |                  |        |
|             |             | 35  |                  |                  |        |
| 22          | CB 5—       | 5   |                  |                  | 50     |
|             |             | 6   |                  |                  |        |
|             |             | 8   |                  |                  |        |
|             |             | 10  |                  |                  |        |
|             |             | 12  |                  |                  |        |
|             |             | 14  |                  |                  |        |
|             |             | 15  |                  |                  |        |
|             |             | 16  |                  |                  |        |
|             |             | 18  |                  |                  |        |
|             |             | 20  |                  |                  |        |
|             |             | 22  |                  |                  |        |
|             |             | 25  |                  |                  |        |
|             |             | 30  |                  |                  |        |
|             |             | 35  |                  |                  |        |

| ℓ           | Catalog No. |             | Base unit price  |                  | * Qty. |  |    |    |
|-------------|-------------|-------------|------------------|------------------|--------|--|----|----|
|             | Type        | M—L         | ※ Less than Qty. | ※ More than Qty. |        |  |    |    |
| 28          | CB 8—       | 95          |                  |                  | 30     |  |    |    |
|             |             | 100         |                  |                  |        |  |    |    |
|             |             | 110         |                  |                  |        |  |    |    |
|             |             | 120         |                  |                  |        |  |    |    |
|             |             | 130         |                  |                  |        |  |    |    |
|             |             | 140         |                  |                  |        |  |    |    |
|             |             | 150         |                  |                  |        |  |    |    |
|             |             | 160         |                  |                  |        |  |    |    |
|             |             | 200         |                  |                  |        |  |    |    |
|             |             | Full thread | CB 10—           | 10               |        |  |    | 50 |
|             |             |             |                  | 12               |        |  |    |    |
|             |             |             |                  | 15               |        |  |    |    |
|             |             |             |                  | 18               |        |  |    |    |
|             |             |             |                  | 20               |        |  |    |    |
| 25          |             |             |                  |                  |        |  |    |    |
| 30          |             |             |                  |                  |        |  |    |    |
| 35          |             |             |                  |                  |        |  |    |    |
| 40          |             |             |                  |                  |        |  |    |    |
| 45          |             |             |                  |                  |        |  |    |    |
| 50          |             |             |                  |                  |        |  |    |    |
| 55          |             |             |                  |                  |        |  |    |    |
| 60          |             |             |                  |                  |        |  |    |    |
| Full thread | CB 16—      |             |                  | 20               |        |  | 30 |    |
|             |             | 25          |                  |                  |        |  |    |    |
|             |             | 30          |                  |                  |        |  |    |    |
|             |             | 35          |                  |                  |        |  |    |    |
|             |             | 40          |                  |                  |        |  |    |    |
|             |             | 45          |                  |                  |        |  |    |    |
|             |             | 50          |                  |                  |        |  |    |    |
|             |             | 55          |                  |                  |        |  |    |    |
|             |             | 60          |                  |                  |        |  |    |    |
|             |             | 65          |                  |                  |        |  |    |    |
|             |             | 70          |                  |                  |        |  |    |    |
|             |             | 75          |                  |                  |        |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
|             |             | 85          |                  |                  |        |  |    |    |
| Full thread | CB 5—       | 75          |                  |                  | 50     |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
|             |             | 85          |                  |                  |        |  |    |    |
|             |             | 90          |                  |                  |        |  |    |    |
|             |             | 95          |                  |                  |        |  |    |    |
|             |             | 100         |                  |                  |        |  |    |    |
|             |             | 110         |                  |                  |        |  |    |    |
|             |             | 120         |                  |                  |        |  |    |    |
|             |             | 130         |                  |                  |        |  |    |    |
|             |             | 140         |                  |                  |        |  |    |    |
|             |             | 150         |                  |                  |        |  |    |    |
|             |             | 160         |                  |                  |        |  |    |    |
|             |             | 170         |                  |                  |        |  |    |    |
|             |             | 180         |                  |                  |        |  |    |    |
| Full thread | CB 6—       | 6           |                  |                  | 30     |  |    |    |
|             |             | 8           |                  |                  |        |  |    |    |
|             |             | 10          |                  |                  |        |  |    |    |
|             |             | 12          |                  |                  |        |  |    |    |
|             |             | 14          |                  |                  |        |  |    |    |
|             |             | 15          |                  |                  |        |  |    |    |
|             |             | 16          |                  |                  |        |  |    |    |
|             |             | 18          |                  |                  |        |  |    |    |
|             |             | 20          |                  |                  |        |  |    |    |
|             |             | 22          |                  |                  |        |  |    |    |
|             |             | 25          |                  |                  |        |  |    |    |
|             |             | 30          |                  |                  |        |  |    |    |
|             |             | 35          |                  |                  |        |  |    |    |
|             |             | Full thread | CB 6—            | 6                |        |  |    | 50 |
| 8           |             |             |                  |                  |        |  |    |    |
| 10          |             |             |                  |                  |        |  |    |    |
| 12          |             |             |                  |                  |        |  |    |    |
| 14          |             |             |                  |                  |        |  |    |    |
| 15          |             |             |                  |                  |        |  |    |    |
| 16          |             |             |                  |                  |        |  |    |    |
| 18          |             |             |                  |                  |        |  |    |    |
| 20          |             |             |                  |                  |        |  |    |    |
| 22          |             |             |                  |                  |        |  |    |    |
| 25          |             |             |                  |                  |        |  |    |    |
| 30          |             |             |                  |                  |        |  |    |    |
| 35          |             |             |                  |                  |        |  |    |    |
| Full thread | CB 12—      |             |                  | 15               |        |  | 50 |    |
|             |             | 20          |                  |                  |        |  |    |    |
|             |             | 25          |                  |                  |        |  |    |    |
|             |             | 30          |                  |                  |        |  |    |    |
|             |             | 35          |                  |                  |        |  |    |    |
|             |             | 40          |                  |                  |        |  |    |    |
|             |             | 45          |                  |                  |        |  |    |    |
|             |             | 50          |                  |                  |        |  |    |    |
|             |             | 55          |                  |                  |        |  |    |    |
|             |             | 60          |                  |                  |        |  |    |    |
|             |             | 65          |                  |                  |        |  |    |    |
|             |             | 70          |                  |                  |        |  |    |    |
|             |             | 75          |                  |                  |        |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
| Full thread | CB 20—      | 40          |                  |                  | 30     |  |    |    |
|             |             | 45          |                  |                  |        |  |    |    |
|             |             | 50          |                  |                  |        |  |    |    |
|             |             | 55          |                  |                  |        |  |    |    |
|             |             | 60          |                  |                  |        |  |    |    |
|             |             | 65          |                  |                  |        |  |    |    |
|             |             | 70          |                  |                  |        |  |    |    |
|             |             | 75          |                  |                  |        |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
|             |             | 85          |                  |                  |        |  |    |    |
|             |             | 90          |                  |                  |        |  |    |    |
|             |             | 95          |                  |                  |        |  |    |    |
|             |             | 100         |                  |                  |        |  |    |    |
|             |             | 110         |                  |                  |        |  |    |    |
| Full thread | CB 20—      | 40          |                  |                  | 10     |  |    |    |
|             |             | 45          |                  |                  |        |  |    |    |
|             |             | 50          |                  |                  |        |  |    |    |
|             |             | 55          |                  |                  |        |  |    |    |
|             |             | 60          |                  |                  |        |  |    |    |
|             |             | 65          |                  |                  |        |  |    |    |
|             |             | 70          |                  |                  |        |  |    |    |
|             |             | 75          |                  |                  |        |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
|             |             | 85          |                  |                  |        |  |    |    |
|             |             | 90          |                  |                  |        |  |    |    |
|             |             | 95          |                  |                  |        |  |    |    |
|             |             | 100         |                  |                  |        |  |    |    |
|             |             | 110         |                  |                  |        |  |    |    |
| Full thread | CB 24—      | 50          |                  |                  | 5      |  |    |    |
|             |             | 60          |                  |                  |        |  |    |    |
|             |             | 70          |                  |                  |        |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
|             |             | 90          |                  |                  |        |  |    |    |
|             |             | 100         |                  |                  |        |  |    |    |
|             |             | 110         |                  |                  |        |  |    |    |
|             |             | 120         |                  |                  |        |  |    |    |
|             |             | 130         |                  |                  |        |  |    |    |
|             |             | 140         |                  |                  |        |  |    |    |
|             |             | 150         |                  |                  |        |  |    |    |
|             |             | Full thread | CB 24—           | 50               |        |  |    | 10 |
|             |             |             |                  | 60               |        |  |    |    |
|             |             |             |                  | 70               |        |  |    |    |
| 80          |             |             |                  |                  |        |  |    |    |
| 90          |             |             |                  |                  |        |  |    |    |
| 100         |             |             |                  |                  |        |  |    |    |
| 110         |             |             |                  |                  |        |  |    |    |
| 120         |             |             |                  |                  |        |  |    |    |
| 130         |             |             |                  |                  |        |  |    |    |
| 140         |             |             |                  |                  |        |  |    |    |
| 150         |             |             |                  |                  |        |  |    |    |
| Full thread | CB 24—      |             |                  | 50               |        |  | 5  |    |
|             |             |             |                  | 60               |        |  |    |    |
|             |             |             |                  | 70               |        |  |    |    |
|             |             | 80          |                  |                  |        |  |    |    |
|             |             | 90          |                  |                  |        |  |    |    |
|             |             | 100         |                  |                  |        |  |    |    |
|             |             | 110         |                  |                  |        |  |    |    |
|             |             | 120         |                  |                  |        |  |    |    |
|             |             | 130         |                  |                  |        |  |    |    |
|             |             | 140         |                  |                  |        |  |    |    |
|             |             | 150         |                  |                  |        |  |    |    |
|             |             | Full thread | CB 14—           | 30               |        |  |    | 50 |
|             |             |             |                  | 35               |        |  |    |    |
|             |             |             |                  | 40               |        |  |    |    |

**RoHS**

| Type   | M       | S   | H        |
|--------|---------|---|----------|
| BOX—CB | SCM—435 | Black oxide (Fe <sub>3</sub> O <sub>4</sub> ) | 38~43HRC |

Strength class 12.9

Select the number of boxes when ordering. For an order quantity of 1, one box will be delivered.

| ℓ           | Catalog No. |             | Base unit price     |         | Qty. per box    |  |                 |                |
|-------------|-------------|-------------|---------------------|---------|-----------------|--|-----------------|----------------|
|             | Type        | M—L         | Apx price per piece | Per box |                 |  |                 |                |
| Full thread | BOX—CB      | 3—5         |                     |         | 1000 pieces/box |  |                 |                |
|             |             | 3—6         |                     |         |                 |  |                 |                |
|             |             | 3—8         |                     |         |                 |  |                 |                |
|             |             | 3—10        |                     |         |                 |  |                 |                |
|             |             | 3—12        |                     |         |                 |  |                 |                |
|             |             | 3—15        |                     |         |                 |  |                 |                |
|             |             | 3—16        |                     |         |                 |  |                 |                |
|             |             | 3—18        |                     |         |                 |  |                 |                |
|             |             | 3—20        |                     |         |                 |  |                 |                |
|             |             | 3—25        |                     |         |                 |  |                 |                |
|             |             | 3—30        |                     |         |                 |  |                 |                |
|             |             | 18          | BOX—CB              | 4—5     |                 |  |                 | 800 pieces/box |
|             |             |             |                     | 4—6     |                 |  |                 |                |
|             |             |             |                     | 4—8     |                 |  |                 |                |
| 4—10        |             |             |                     |         |                 |  |                 |                |
| 4—12        |             |             |                     |         |                 |  |                 |                |
| 4—15        |             |             |                     |         |                 |  |                 |                |
| 4—16        |             |             |                     |         |                 |  |                 |                |
| 4—20        |             |             |                     |         |                 |  |                 |                |
| 4—25        |             |             |                     |         |                 |  |                 |                |
| 4—30        |             |             |                     |         |                 |  |                 |                |
| 4—35        |             |             |                     |         |                 |  |                 |                |
| 4—40        |             |             |                     |         |                 |  |                 |                |
| Full thread | BOX—CB      |             |                     | 5—6     |                 |  | 1000 pieces/box |                |
|             |             |             |                     | 5—8     |                 |  |                 |                |
|             |             | 5—10        |                     |         |                 |  |                 |                |
|             |             | 5—12        |                     |         |                 |  |                 |                |
|             |             | 5—15        |                     |         |                 |  |                 |                |
|             |             | 5—16        |                     |         |                 |  |                 |                |
|             |             | 5—18        |                     |         |                 |  |                 |                |
|             |             | 5—20        |                     |         |                 |  |                 |                |
|             |             | 5—25        |                     |         |                 |  |                 |                |
|             |             | 5—30        |                     |         |                 |  |                 |                |
|             |             | 5—35        |                     |         |                 |  |                 |                |
|             |             | 5—40        |                     |         |                 |  |                 |                |
|             |             | Full thread | BOX—CB              | 6—8     |                 |  |                 | 800 pieces/box |
|             |             |             |                     | 6—10    |                 |  |                 |                |
| 6—12        |             |             |                     |         |                 |  |                 |                |
| 6—15        |             |             |                     |         |                 |  |                 |                |
| 6—20        |             |             |                     |         |                 |  |                 |                |
| 6—25        |             |             |                     |         |                 |  |                 |                |
| 6—30        |             |             |                     |         |                 |  |                 |                |
| 6—35        |             |             |                     |         |                 |  |                 |                |
| 6—40        |             |             |                     |         |                 |  |                 |                |
| 24          | BOX—CB      |             |                     | 8—12    |                 |  | 500 pieces/box  |                |
|             |             |             |                     | 8—15    |                 |  |                 |                |
|             |             |             |                     | 8—20    |                 |  |                 |                |
|             |             |             |                     | 8—25    |                 |  |                 |                |
|             |             |             |                     | 8—30    |                 |  |                 |                |
|             |             | 8—35        |                     |         |                 |  |                 |                |
|             |             | 8—40        |                     |         |                 |  |                 |                |
|             |             | Full thread | BOX—CB              | 8—12    |                 |  |                 | 400 pieces/box |
|             |             |             |                     | 8—15    |                 |  |                 |                |
|             |             |             |                     | 8—20    |                 |  |                 |                |
|             |             |             |                     | 8—25    |                 |  |                 |                |
|             |             |             |                     | 8—30    |                 |  |                 |                |
|             |             |             |                     | 8—35    |                 |  |                 |                |
|             |             |             |                     | 8—40    |                 |  |                 |                |
| 28          | BOX—CB      |             |                     | 8—12    |                 |  | 300 pieces/box  |                |
|             |             |             |                     | 8—15    |                 |  |                 |                |
|             |             |             |                     | 8—20    |                 |  |                 |                |
|             |             |             |                     | 8—25    |                 |  |                 |                |
|             |             |             |                     | 8—30    |                 |  |                 |                |
|             |             |             |                     | 8—35    |                 |  |                 |                |
|             |             |             |                     | 8—40    |                 |  |                 |                |

| CB     |     |    |     | CB      |    |    |    |
|--------|-----|----|-----|---------|----|----|----|
| M×P    | A   | E  | B   | M×P     | A  | E  | B  |
| 3×0.5  | 5.5 | 3  | 2.5 | 12×1.75 | 18 | 12 | 10 |
| 4×0.7  | 7   | 4  | 3   | 14×2.0  | 21 | 14 | 12 |
| 5×0.8  | 8.5 | 5  | 4   | 16×2.0  | 24 | 16 | 14 |
| 6×1.0  | 10  | 6  | 5   | 20×2.5  | 30 | 20 | 17 |
| 8×1.25 | 13  | 8  | 6   | 24×3.0  | 36 | 24 | 19 |
| 10×1.5 | 16  | 10 | 8   |         |    |    |    |

Reference: Dimensions of counterbore and bolt hole for hexagon socket head cap screws **P.1641**

Order **Catalog No.** **BOX—CB 6—25** Days to Ship **Quotation**