

# Double Speed Sprockets / Chains / Joint Links

## Sprockets

| Code  | Material |        | Heat Treatment | Surface Treatment |
|-------|----------|--------|----------------|-------------------|
|       | GB       | Equiv. |                |                   |
| VLW02 | 45       | S45C   | —              | Black Oxide       |

## Chains

| Code  | Material |        | Operating Temperature(°C) |
|-------|----------|--------|---------------------------|
|       | Chain    | Roller |                           |
| VMW01 | Steel    | Nylon  | -10~80                    |
| VMW02 | Steel    | Steel  |                           |

## Joint Links

| Code  | Material |        |
|-------|----------|--------|
|       | Chain    | Roller |
| VMV81 | Steel    | Nylon  |
| VMV91 | Steel    | Steel  |

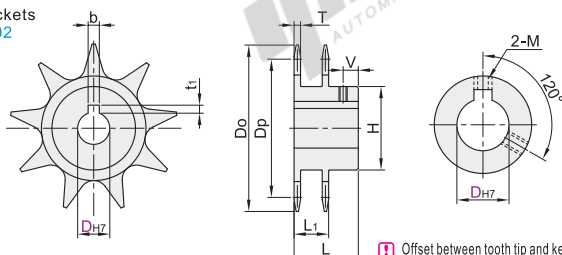
## Keyway/Tapped Hole Dimension

| Shaft Bore Dia. $D_{H7}$ | Keyway $b \times t_1$ | Set Screw M |
|--------------------------|-----------------------|-------------|
| 15                       | 5×2.3                 | 5           |
| 20                       | 6×2.8                 | 6           |
| 25/30                    | 8×3.3                 | 8           |
| 35                       | 10×3.3                | 8           |
| 40                       | 12×3.3                | 8           |
| 45/50                    | 14×3.8                | 10          |

① When the sprocket specification BS25-C206B has 9 teeth, the Set Screw is M5.

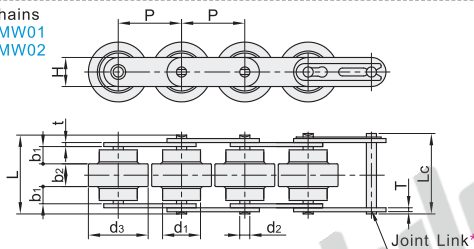


Sprockets  
VLW02

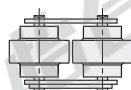


- ① Offset between tooth tip and keyway is  $\pm 0.5\text{mm}$ .
- ② Due to process problems, it is impossible to ensure that the keyways of multiple products coincide with the tooth top.

Chains  
VMW01  
VMW02



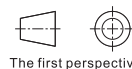
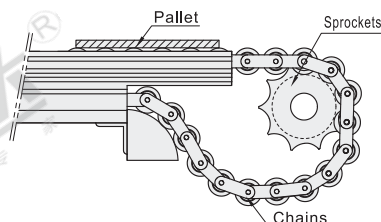
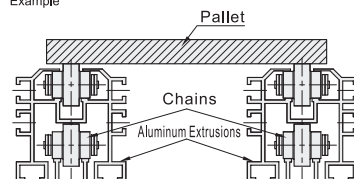
Joint Links  
VMV81  
VMV91



\*joint links, you need to install it yourself.

EX

Example



## Sprockets

| Part Number |                    | No.               | Number of Teeth | Shaft Bore Dia. | Do    | Dp     | T   | H  | L    | V   | L <sub>1</sub> |
|-------------|--------------------|-------------------|-----------------|-----------------|-------|--------|-----|----|------|-----|----------------|
| Code        | Double Speed       |                   |                 | D <sub>H7</sub> |       |        |     |    |      |     |                |
| VLW02       | (2.5 Double Speed) | BS25              | C206B           | 9               | 63    | 55.7   | 3   | 33 | 22   | 3.5 | 15.3           |
|             |                    |                   | 10              | 15 20           | 68    | 61.65  | 3   | 37 | 25   | 5   | 15.3           |
|             |                    | C208A             | 10              | 20 25           | 93    | 82.2   | 4   | 52 | 40   | 8   | 21.5           |
|             |                    | C210A             |                 | 25 30           | 117   | 102.75 | 5   | 66 | 45   | 9   | 27             |
|             |                    | C212A             |                 | 25 30 35 40 45  | 137   | 123.3  | 6   | 81 | 50   | 9   | 31             |
|             | C216A              | 25 30 35 40 45 50 | 187             | 164.39          | 8     | 110    | 67  | 10 | 40.5 |     |                |
|             | (3.0 Double Speed) | BS30              | C206B           | 9               | 63    | 55.7   | 3.4 | 33 | 25   | 4   | 17             |
|             |                    |                   | 10              | 15 20           | 68    | 61.65  | 3.4 | 37 | 25   | 4   | 17             |
|             |                    | C208A             | 10              | 20 25           | 93    | 82.2   | 4.4 | 52 | 40   | 8   | 23             |
|             |                    | C210A             |                 | 25 30           | 117   | 102.75 | 5.5 | 66 | 45   | 9   | 28             |
| C212A       |                    | 25 30 35 40 45    |                 | 137             | 123.3 | 7.25   | 81  | 50 | 6.5  | 37  |                |
| C216A       | 25 30 35 40 45 50  | 187               | 164.39          | 8.8             | 110   | 67     | 10  | 46 |      |     |                |

## Joint Links

| Part Number<br>Code | Double Speed               | No.   |
|---------------------|----------------------------|-------|
|                     |                            |       |
| VMV81<br>VMV91      | BS25<br>(2.5 Double Speed) | C206B |
|                     |                            | C208A |
|                     |                            | C210A |
|                     |                            | C212A |
|                     |                            | C216A |
|                     | BS30<br>(3.0 Double Speed) | C206B |
|                     |                            | C208A |
|                     |                            | C210A |
|                     |                            | C212A |
|                     |                            | C216A |

## Chains

| Part Number<br>Code | Double Speed               | No.   | Number of Links | Pitch(P) | $d_1$ | $d_2$ | $d_3$ | $b_1$ | $b_2$ | L    | Lc   | H     | T   | t   | Number of Links per Unit *        | Adpted sprocket specifications |
|---------------------|----------------------------|-------|-----------------|----------|-------|-------|-------|-------|-------|------|------|-------|-----|-----|-----------------------------------|--------------------------------|
|                     |                            |       |                 |          |       |       |       |       |       |      |      |       |     |     |                                   |                                |
| VMW01<br>VMW02      | BS25<br>(2.5 Double Speed) | C206B | 4~690           | 19.05    | 11.91 | 3.28  | 18.3  | 4     | 8     | 24.5 | 26   | 9     | 1.5 | 1.5 | 160(Circumference Length 3,048mm) | VLW02-BS25-C206B               |
|                     |                            | C208A | 4~560           | 25.4     | 15.88 | 3.96  | 24.6  | 5     | 10.3  | 31   | 32.8 | 11.7  | 1.5 | 2   | 120(Circumference Length 3,048mm) | VLW02-BS25-C208A               |
|                     |                            | C210A | 4~630           | 31.75    | 19.05 | 5.08  | 30.6  | 7.1   | 13    | 39.5 | 41.2 | 15    | 2   | 2.4 | 96(Circumference Length 3,048mm)  | VLW02-BS25-C210A               |
|                     |                            | C212A | 4~530           | 38.1     | 22.23 | 5.94  | 36.6  | 8.5   | 14.5  | 48.8 | 50.5 | 18    | 3.2 | 4   | 80(Circumference Length 3,048mm)  | VLW02-BS25-C212A               |
|                     |                            | C216A | 4~400           | 50.8     | 28.58 | 7.92  | 48    | 15    | 20    | 71   | 74   | 24.13 | 4   | 4   | 60(Circumference Length 3,048mm)  | VLW02-BS25-C216A               |
|                     | BS30<br>(3.0 Double Speed) | C206B | 4~690           | 19.05    | 9     | 3.28  | 18.3  | 4.5   | 9.1   | 26.3 | 29.6 | 7.28  | 1.3 | 1.5 | 160(Circumference Length 3,048mm) | VLW02-BS30-C206B               |
|                     |                            | C208A | 4~560           | 25.4     | 11.91 | 3.96  | 24.6  | 6.1   | 12.5  | 35.6 | 39.5 | 9.6   | 1.5 | 2   | 120(Circumference Length 3,048mm) | VLW02-BS30-C208A               |
|                     |                            | C210A | 4~630           | 31.75    | 14.8  | 5.08  | 30.6  | 7.54  | 15    | 43   | 47.1 | 12.2  | 2   | 2.4 | 96(Circumference Length 3,048mm)  | VLW02-BS30-C210A               |
|                     |                            | C212A | 4~530           | 38.1     | 18    | 5.94  | 38    | 9.57  | 20    | 58.1 | 62.7 | 15    | 3.2 | 4   | 80(Circumference Length 3,048mm)  | VLW02-BS30-C212A               |
|                     |                            | C216A | 4~400           | 50.8     | 22.23 | 7.92  | 49    | 12    | 25.2  | 71.9 | 77.3 | 18.6  | 4   | 5   | 60(Circumference Length 3,048mm)  | VLW02-BS30-C216A               |

① \*When the ordered number of links exceeds the given number of links per unit, the qty. of links per unit and the extra qty. of links are packaged separately.  
Ex.: For VMW01-BS25-C206B-200, 2 separate packages: 160 links  $\times$  1 unit + 40 links.

## Sprockets

| Part Number            | No. | Number of Teeth | $D_{H7}$ |
|------------------------|-----|-----------------|----------|
| VLW02-BS25-C206B-9-D15 | 9   | 15              | 20       |

## Chains

| Part Number         | No. | Number of Links |
|---------------------|-----|-----------------|
| VMW01-BS25-C206B-10 | 10  | 10              |

## Joint Links

| Part Number      | No. |
|------------------|-----|
| VMV81-BS25-C206B | 10  |



Please order as shown



| Discount price        |
|-----------------------|
| Per 1~4 5~            |
| Price 100% Additional |

① Sprockets/Chains



| Discount price        |
|-----------------------|
| Per 1~9 10~           |
| Price 100% Additional |

① Joint Links



| Delivery |
|----------|
| 12       |