

# Synchronous Belt ▶ Disconnectable Type



Please order according to the diagram

①~④ Select the type and parameters in the order of for ordering

Model(①Code) — Belt Type — Nominal Belt Width — Number Teeth

VCDABO

XL

025

50



Discounted Price  
Quantity 1~9 10~  
Price 100% Separate Quotation

Price Excluding Tax(Tax)

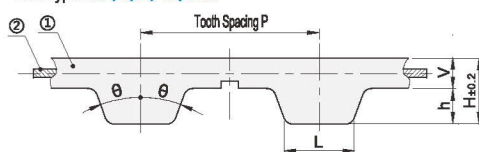


CAD 2D/3D

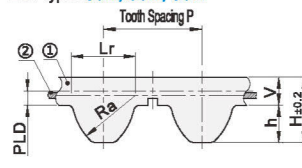
| Code   | Type     | Material           |              | Color        | Operating Temperature |  Nominal Belt Width                  |           |
|--------|----------|--------------------|--------------|--------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------|-----------|
|        |          | ① Body             | ② Core Yam   | ① Body       |                       |                                                                                                                         |           |
| VCDABO | Domestic | Chloroprene Rubber | Glazing line | Black        | -20~75°C              | Belt Width(mm)                                                                                                          | Tolerance |
| VCDABP |          |                    |              |              |                       | 3~30                                                                                                                    | ±0.5      |
| VCDABQ | Imported | Organosilicon      | Steel wire   | Milky White  |                       | 31~50                                                                                                                   | ±0.8      |
| VCDAGR |          |                    |              |              |                       | Glazing line                                                                                                            |           |
| VCDAES | Domestic | Organosilicon      | Steel wire   | Glazing line |                       |  Belt Length Tolerance: 0 to 2 Teeth |           |
| VCDFT  |          |                    |              |              |                       |                                                                                                                         |           |

- ① Joints without seams, core threads not connected, and both ends thermally joined.
- ② Steel cord belts should not be tensioned from the back, as it may cause the core threads to break.
- ③ Polyurethane open belts are made of thermoplastic polyurethane and exhibit high wear resistance.
- ④ Various types of reinforced cores ensure good motion capability, reliable transmission, and stable dimensions during rotation.

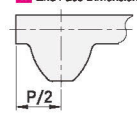
Belt Type : XL/L/H/T5/T10



Belt Type : S3M/S5M/S8M



End Face Dimension



| Code                                                    | Tooth Profile | Tooth Spacing | 2θ  | L(Lr) | h    | H         | V         | Ra   | PLD   |
|---------------------------------------------------------|---------------|---------------|-----|-------|------|-----------|-----------|------|-------|
| VCDABO<br>VCDABP<br>VCDABQ<br>VCDAGR<br>VCDAES<br>VCDFT | XL            | 5.08          | 50° | 1.35  | 1.27 | 2.3       | 1.03      |      |       |
|                                                         | L             | 9.525         |     | 3.2   | 1.9  | 3.6       | 1.7       |      |       |
|                                                         | H             | 12.7          | 40° | 4.4   | 2.3  | 4.3       | 2         |      |       |
|                                                         | T5            | 5             |     | 1.8   | 1.2  | 2.2       | 1         |      |       |
|                                                         | T10           | 10            |     | 3.5   | 2.5  | 4.5       | 2         |      |       |
|                                                         | S3M           | 3             |     | 1.95  | 1.14 | 1.94(2.2) | 0.8(1.06) | 1.95 | 0.381 |
|                                                         | S5M           | 5             |     | 3.25  | 1.85 | 3.35      | 1.5       | 3.25 | 0.48  |
|                                                         | S8M           | 8             |     | 5.2   | 3.05 | 5.3       | 2.25      | 5.2  | 0.686 |

① Dimensions for polyurethane products are indicated in parentheses.

| Code                                          | Tooth Profile | Tooth Spacing | 2θ  | L(Lr) | h    | H    | V    | Ra   | PLD   |
|-----------------------------------------------|---------------|---------------|-----|-------|------|------|------|------|-------|
| VCDABP<br>VCDABQ<br>VCDAGR<br>VCDAES<br>VCDFT | XL            | 5.08          | 50° | 1.37  | 1.27 | 2.27 | 1.0  |      |       |
|                                               | L             | 9.525         |     | 3.25  | 1.91 | 3.61 | 1.7  |      |       |
|                                               | H             | 12.7          | 40° | 4.45  | 2.29 | 4.59 | 2.3  |      |       |
|                                               | S3M           | 3             |     | 1.95  | 1.14 | 1.94 | 0.8  | 1.95 | 0.381 |
|                                               | S5M           | 5             |     | 3.25  | 1.91 | 3.41 | 1.5  | 3.25 | 0.480 |
|                                               | S8M           | 8             |     | 5.20  | 3.05 | 5.30 | 2.25 | 5.20 | 0.686 |

| Code                                          | Tooth Profile | Tooth Spacing | 2θ  | L(Lr) | h    | H   | V    | Ra   | PLD   |
|-----------------------------------------------|---------------|---------------|-----|-------|------|-----|------|------|-------|
| VCDABP<br>VCDABQ<br>VCDAGR<br>VCDAES<br>VCDFT | XL            | 5.08          | 50° | 1.35  | 1.27 | 2.3 | 1.03 |      |       |
|                                               | L             | 9.525         |     | 3.2   | 1.9  | 3.7 | 1.8  |      |       |
|                                               | H             | 12.7          | 40° | 4.4   | 2.29 | 4.5 | 2.21 |      |       |
|                                               | T5            | 5             |     | 1.8   | 1.2  | 2.3 | 1.1  |      |       |
|                                               | T10           | 10            |     | 3.5   | 2.5  | 4.7 | 2.2  |      |       |
|                                               | S3M           | 3             |     | 1.95  | 1.14 | 2.4 | 1.26 | 1.95 | 0.381 |
|                                               | S5M           | 5             |     | 3.25  | 1.91 | 3.6 | 1.69 | 3.25 | 0.48  |
|                                               | S8M           | 8             |     | 5.2   | 3.05 | 5.3 | 2.25 | 5.2  | 0.686 |

| Code                                  | Model<br>Belt Type | Nominal Belt Width | Number Teeth | Belt Width<br>(mm) | Allowable Tension(N) |               | Suitable for connecting metal parts |
|---------------------------------------|--------------------|--------------------|--------------|--------------------|----------------------|---------------|-------------------------------------|
|                                       |                    |                    |              |                    | Chloroprene Rubber   | Organosilicon |                                     |
| VCDABO<br>Domestic Chloroprene Rubber | XL                 | 025*               |              | 6.4                | 30                   | 65            | VDAEH-XL-025                        |
|                                       |                    | 037*               |              | 9.5                | 45                   | 100           | VDAEH-XL-037                        |
|                                       |                    | 050*               |              | 12.7               | 70                   | 140           | VDAEH-XL-050                        |
|                                       |                    | 050*               |              | 12.7               | 95                   | 260           | VDAEH-XL-050                        |
|                                       | L                  | 075*               |              | 19.1               | 165                  | 390           | VDAEH-L-075                         |
|                                       |                    | 100*               |              | 25.4               | 225                  | 520           | VDAEH-L-100                         |
|                                       |                    | 075*               |              | 19.1               | 175                  | 400           | VDAEH-L-075                         |
|                                       |                    | 100*               |              | 25.4               | 235                  | 530           | VDAEH-L-100                         |
| VCDABP<br>Imported Chloroprene Rubber | H                  | 150*               |              | 38.1               | 345                  | 800           | VDAEH-H-150                         |
|                                       |                    | 200*               |              | 50.8               | 465                  | 1095          | VDAEH-H-200                         |
|                                       | S3M                | 060*               |              | 6                  | 65                   | 130           | VDAEH-S3M-060                       |
|                                       |                    | 100*               |              | 10                 | 70                   | 105           | VDBFJ-S3M-100                       |
|                                       |                    | 150*               |              | 15                 | 90                   | 160           | VDBFJ-S3M-150                       |
|                                       |                    | 100*               |              | 10                 | 213                  | 305           | VDAEH-S5M-100                       |
|                                       | S5M                | 150*               |              | 15                 | 322                  | 488           | VDAEH-S5M-150                       |
|                                       |                    | 250*               |              | 25                 | 340                  | 540           | VDAEH-S5M-250                       |
| VCDABQ<br>Imported Polyurethane       | S8M                | 150*               |              | 15                 | 485                  | 650           | VDAEH-S8M-150                       |
|                                       |                    | 250*               |              | 25                 | 950                  | 1175          | VDAEH-S8M-250                       |
|                                       |                    | 300*               |              | 30                 | 1065                 | 1410          | VDAEH-S8M-300                       |
|                                       |                    | 400*               |              | 40                 | 1325                 | 1880          | VDAEH-S8M-400                       |
|                                       | T5                 | 100                |              | 10                 |                      | 110           | VDAEH-T5-100                        |
|                                       |                    | 150                |              | 15                 |                      | 165           | VDAEH-T5-150                        |
|                                       |                    | 200                |              | 20                 |                      | 225           | VDAEH-T5-200                        |
|                                       |                    | 250                |              | 25                 |                      | 285           | VDAEH-T5-250                        |
| VCDAGR<br>Imported Polyurethane       | T10                | 150                |              | 15                 |                      | 300           | VDAEH-T10-150                       |
|                                       |                    | 200                |              | 20                 |                      | 400           | VDAEH-T10-200                       |
|                                       |                    | 250                |              | 25                 |                      | 530           | VDAEH-T10-250                       |
|                                       |                    | 300                |              | 30                 |                      | 625           | VDAEH-T10-300                       |
|                                       | T10                | 400                |              | 40                 |                      | 860           | VDAEH-T10-400                       |
|                                       |                    | 500                |              | 50                 |                      | 1065          | VDAEH-T10-500                       |

① VCDABP Applicable only to belts with nominal widths as indicated by the asterisk.

② The formula for calculating the overall length is: Number of Teeth x Tooth Spacing.