

## Double Pitch Roller Chains for Conveyor Use

These chains use straight link plates. They are divided into the large roller series and the small roller series, according to the outer diameter of the rollers used.

### Small Roller series

(S Roller type)

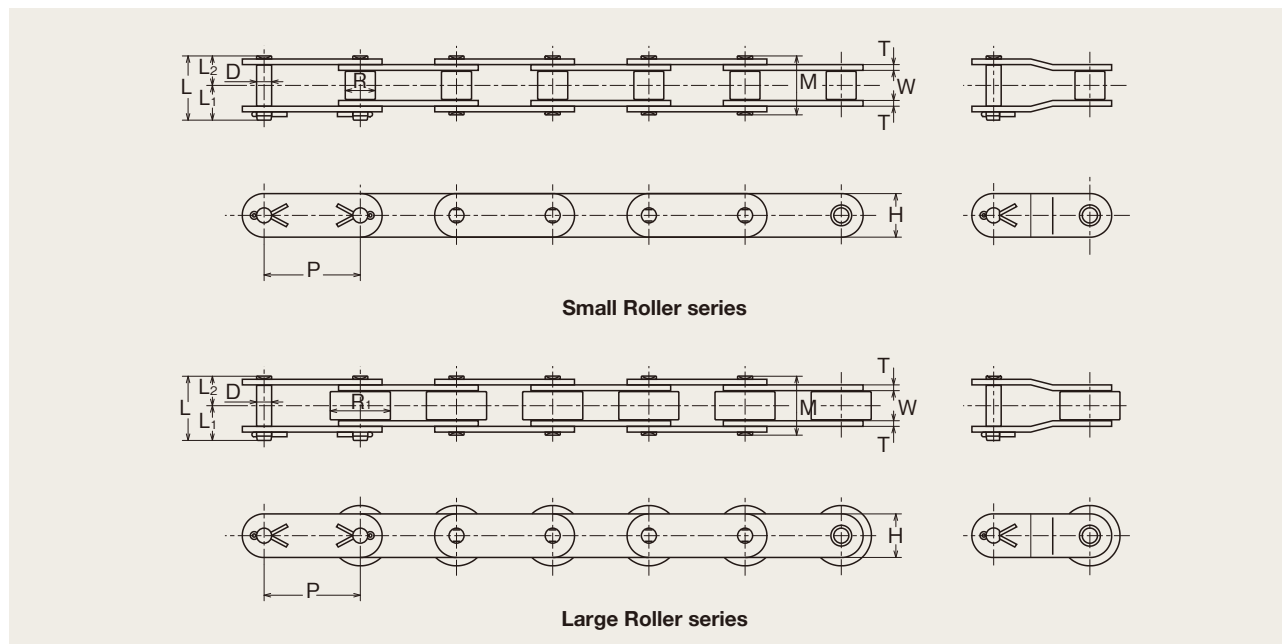
- Indicated by a "0" as the last digit of the chain number.
- The outer diameter of the roller is the same as for the standard roller chain on which it is based.  
Ex.: The outer roller diameter for the C2040 is the same as that of the No.40 standard roller chain.
- Standard sprockets can be used if they have at least 30 teeth.  
Ex.: The C2040 32-tooth sprocket (16 working teeth) can be used with the No.40 32-tooth standard sprocket.

### Large Roller series

(R Roller type)

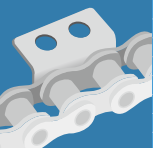
- Indicated by a "2" as the last digit of the chain number.
- The outer diameter of the roller is the same as for the standard roller chain which has the same pitch as the double pitch roller chain.  
Ex.: The roller outer diameter of the C2042 is the same as that of the N0.80 standard roller chain, because the chain pitch is 25.4mm (the roller outer diameter is 15.88mm).
- Use specialized sprockets.

## Dimensions of Double Pitch Roller Chains for Conveyor Use



| Chain No. | Pitch P (mm) | Roller         |                | Inner Width W (mm) | Pin         |             |      |                | Link Plate     |               | Average Tensile Strength |          | Maximum Allowable Load |                | Mass (kg/m) |       |
|-----------|--------------|----------------|----------------|--------------------|-------------|-------------|------|----------------|----------------|---------------|--------------------------|----------|------------------------|----------------|-------------|-------|
|           |              | Outer Dia.(mm) |                |                    | Dia. D (mm) | Length (mm) |      |                |                | Height H (mm) | Thickness T (mm)         | Strength |                        | Allowable Load |             |       |
|           |              | R              | R <sub>1</sub> |                    |             | M           | L    | L <sub>1</sub> | L <sub>2</sub> |               |                          | (kN)     | (kgf)                  | (kN)           |             | (kgf) |
| C2040     | 25.4         | 7.92           | —              | 7.95               | 3.96        | 16.5        | 18.5 | 10.3           | 8.2            | 11.4          | 1.5                      | 16.9     | 1700                   | 3.63           | 270         | 0.48  |
| C2042     |              | —              | 15.88          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 0.82  |
| C2050     | 31.75        | 10.16          | —              | 9.53               | 5.08        | 20.4        | 22.0 | 11.8           | 10.2           | 15.0          | 2.0                      | 27.5     | 2800                   | 6.28           | 440         | 0.82  |
| C2052     |              | —              | 19.05          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 1.26  |
| C2060H    | 38.1         | 11.91          | —              | 12.70              | 5.95        | 28.7        | 31.0 | 16.6           | 14.4           | 17.0          | 3.2                      | 40.2     | 4100                   | 8.63           | 640         | 1.38  |
| C2062H    |              | —              | 22.23          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 2.08  |
| C2080H    | 50.8         | 15.88          | —              | 15.88              | 7.93        | 35.5        | 38.8 | 21.0           | 17.8           | 22.6          | 4.0                      | 68.6     | 7000                   | 14.7           | 1090        | 2.32  |
| C2082H    |              | —              | 28.58          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 3.36  |
| C2100H    | 63.5         | 19.05          | —              | 19.05              | 9.53        | 42.2        | 45.7 | 24.6           | 21.1           | 28.6          | 4.8                      | 107.9    | 11000                  | 22.6           | 1740        | 3.46  |
| C2102H    |              | —              | 39.67          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 5.64  |
| C2120H    | 76.2         | 22.23          | —              | 25.40              | 11.10       | 52.6        | 57.0 | 30.7           | 26.3           | 34.9          | 5.6                      | 151      | 15400                  | 30.4           | 2440        | 4.92  |
| C2122H    |              | —              | 44.45          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 7.87  |
| C2160H    | 101.6        | 28.58          | —              | 31.75              | 14.28       | 67.7        | 72.9 | 39.0           | 33.9           | 47.6          | 7.2                      | 257.9    | 26300                  | 53.0           | 4170        | 8.02  |
| C2162H    |              | —              | 57.15          |                    |             |             |      |                |                |               |                          |          |                        |                |             | 12.77 |

Note: Rivet pins are standard, but cotter pins may also be used.

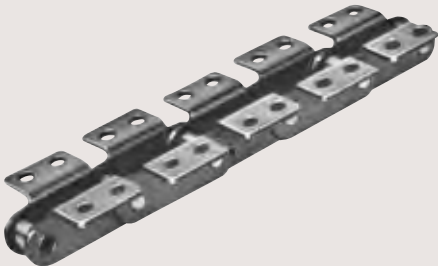
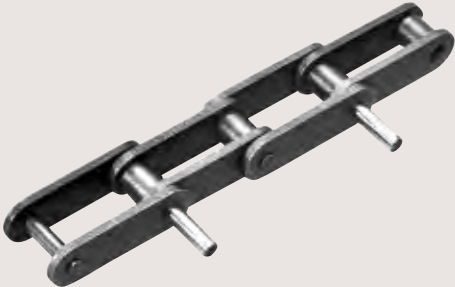
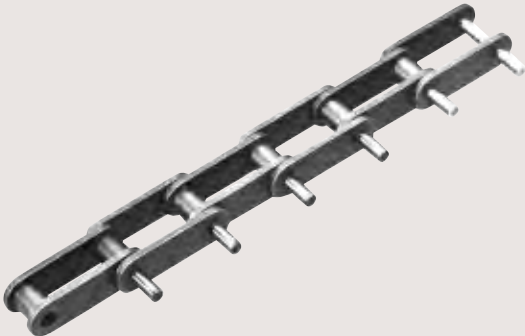


# Steel Conveyor Chains

## Double Pitch Roller Chains with Attachments

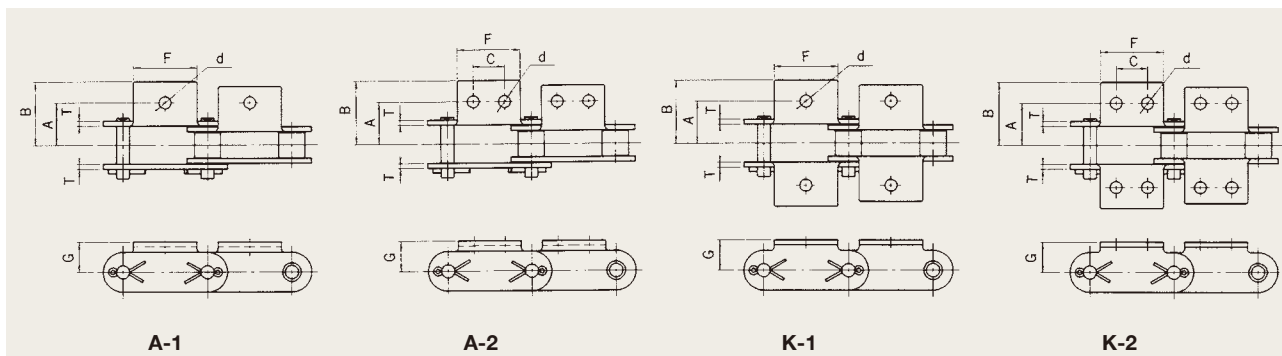
These chains are double pitch roller chains for conveyor use, with various attachments added as necessary.

### Main Attachment types

| Type | Form                                                                                | Type | Form                                                                                 |
|------|-------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|
| A-2  |    | GK-1 |    |
| K-2  |   | D-1  |   |
| SA-2 |  | D-3  |  |
| SK-2 |  |      |                                                                                      |

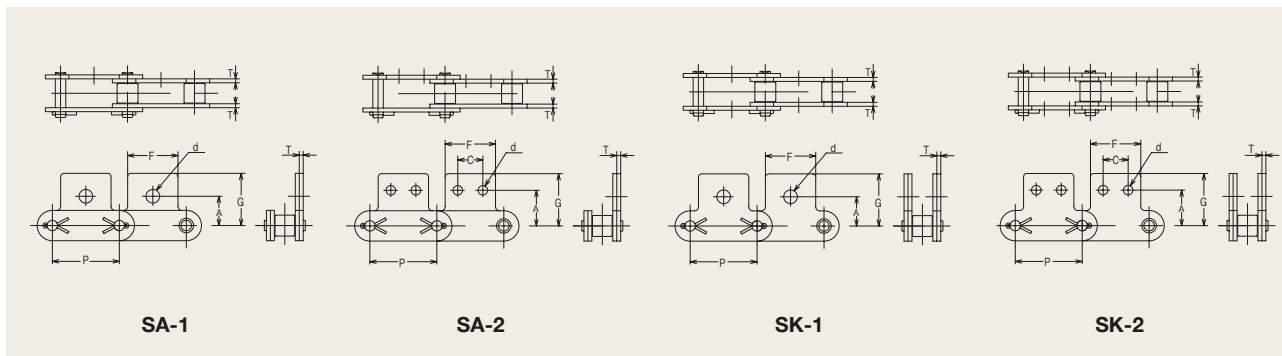
## Attachment types and Dimensions

### A-1, A-2, K-1, K-2 Attachments



| Chain No. | Dimensions (mm) |      |      |      |      |      |     | Added Mass per Attachment (g) |          |
|-----------|-----------------|------|------|------|------|------|-----|-------------------------------|----------|
|           | A               | B    | C    | d    | F    | G    | T   | A-1, A-2                      | K-1, K-2 |
| C2040     | 12.7            | 19.1 | 9.5  | 3.6  | 19.1 | 9.1  | 1.5 | 3.2                           | 6.4      |
| C2042     |                 |      |      |      |      |      |     |                               |          |
| C2050     | 15.9            | 24.2 | 11.9 | 5.2  | 23.8 | 11.1 | 2.0 | 6.3                           | 12.6     |
| C2052     |                 |      |      |      |      |      |     |                               |          |
| C2060H    | 21.4            | 31.2 | 14.3 | 5.2  | 28.6 | 14.7 | 3.2 | 14.9                          | 29.8     |
| C2062H    |                 |      |      |      |      |      |     |                               |          |
| C2080H    | 27.8            | 40.6 | 19.1 | 6.8  | 38.1 | 19.1 | 4.0 | 31.5                          | 63.0     |
| C2082H    |                 |      |      |      |      |      |     |                               |          |
| C2100H    | 33.3            | 50.0 | 23.8 | 8.8  | 47.6 | 23.4 | 4.8 | 64.0                          | 128.0    |
| C2102H    |                 |      |      |      |      |      |     |                               |          |
| C2120H    | 39.7            | 61.9 | 28.6 | 10.5 | 57.2 | 27.8 | 5.6 | 102.0                         | 204.0    |
| C2122H    |                 |      |      |      |      |      |     |                               |          |
| C2160H    | 52.4            | 76.1 | 38.1 | 14.0 | 76.2 | 36.5 | 7.2 | 262.0                         | 524.0    |
| C2162H    |                 |      |      |      |      |      |     |                               |          |

### SA-1, SA-2, SK-1, SK-2 Attachments

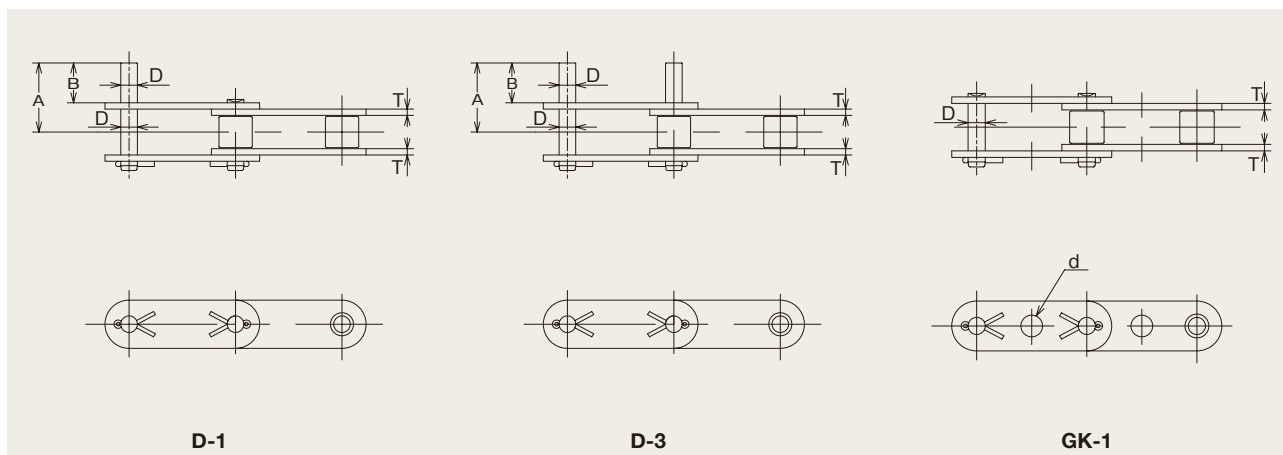


| Chain No. | Dimensions (mm) |            |      |            |            |      |      |     | Added Mass per Attachment |              |
|-----------|-----------------|------------|------|------------|------------|------|------|-----|---------------------------|--------------|
|           | A               |            | C    | d          |            | F    | G    | T   | SA-1<br>SA-2              | SK-1<br>SK-2 |
|           | SA-1, SK-1      | SA-2, SK-2 |      | SA-1, SK-1 | SA-2, SK-2 |      |      |     |                           |              |
| C2040     | 11.1            | 13.5       | 9.5  | 5.2        | 3.6        | 19.1 | 19.8 | 1.5 | 2.7                       | 5.4          |
| C2042     |                 |            |      |            |            |      |      |     |                           |              |
| C2050     | 14.3            | 15.9       | 11.9 | 6.8        | 5.2        | 23.8 | 24.6 | 2.0 | 5.9                       | 11.8         |
| C2052     |                 |            |      |            |            |      |      |     |                           |              |
| C2060H    | 17.5            | 19.1       | 14.3 | 8.8        | 5.2        | 28.6 | 30.6 | 3.2 | 14.4                      | 28.8         |
| C2062H    |                 |            |      |            |            |      |      |     |                           |              |
| C2080H    | 22.2            | 25.4       | 19.1 | 10.5       | 6.8        | 38.1 | 40.2 | 4.0 | 31.5                      | 63.0         |
| C2082H    |                 |            |      |            |            |      |      |     |                           |              |
| C2100H    | 28.6            | 31.8       | 23.8 | 14.0       | 8.8        | 47.6 | 50.3 | 4.8 | 66.0                      | 132.0        |
| C2102H    |                 |            |      |            |            |      |      |     |                           |              |
| C2120H    | 33.3            | 37.3       | 28.6 | 16.0       | 10.5       | 57.2 | 61.1 | 5.6 | 97.0                      | 194.0        |
| C2122H    |                 |            |      |            |            |      |      |     |                           |              |
| C2160H    | 44.5            | 50.8       | 38.1 | 21.0       | 14.0       | 76.2 | 76.2 | 7.2 | 233.0                     | 466.0        |
| C2162H    |                 |            |      |            |            |      |      |     |                           |              |



# Steel Conveyor Chains

## D-1, D-3, GK-1 Attachments



| Chain No. | Dimensions (mm) |      |          |      |     | Added Mass per Attachment (g) |      |
|-----------|-----------------|------|----------|------|-----|-------------------------------|------|
|           | A               | B    | D        | ※d   | T   | D-1                           | D-3  |
|           |                 |      | D-1, D-3 | GK-1 |     |                               |      |
| C2040     | 16.8            | 9.5  | 3.96     | 4.1  | 1.5 | 0.9                           | 1.8  |
| C2042     |                 |      |          |      |     |                               |      |
| C2050     | 21.1            | 11.9 | 5.08     | 6.4  | 2.0 | 1.8                           | 3.6  |
| C2052     |                 |      |          |      |     |                               |      |
| C2060H    | 27.5            | 14.3 | 5.95     | 6.4  | 3.2 | 3.0                           | 6.0  |
| C2062H    |                 |      |          |      |     |                               |      |
| C2080H    | 35.6            | 19.1 | 7.93     | 8.1  | 4.0 | 7.0                           | 14.0 |
| C2082H    |                 |      |          |      |     |                               |      |
| C2100H    | 43.2            | 23.8 | 9.53     | 10.1 | 4.8 | 12.0                          | 24.0 |
| C2102H    |                 |      |          |      |     |                               |      |
| C2120H    | 53.0            | 28.6 | 11.1     | 12.1 | 5.6 | 20.0                          | 40.0 |
| C2122H    |                 |      |          |      |     |                               |      |
| C2160H    | 69.0            | 38.1 | 14.28    | —    | 7.2 | 44.0                          | 88.0 |
| C2162H    |                 |      |          |      |     |                               |      |

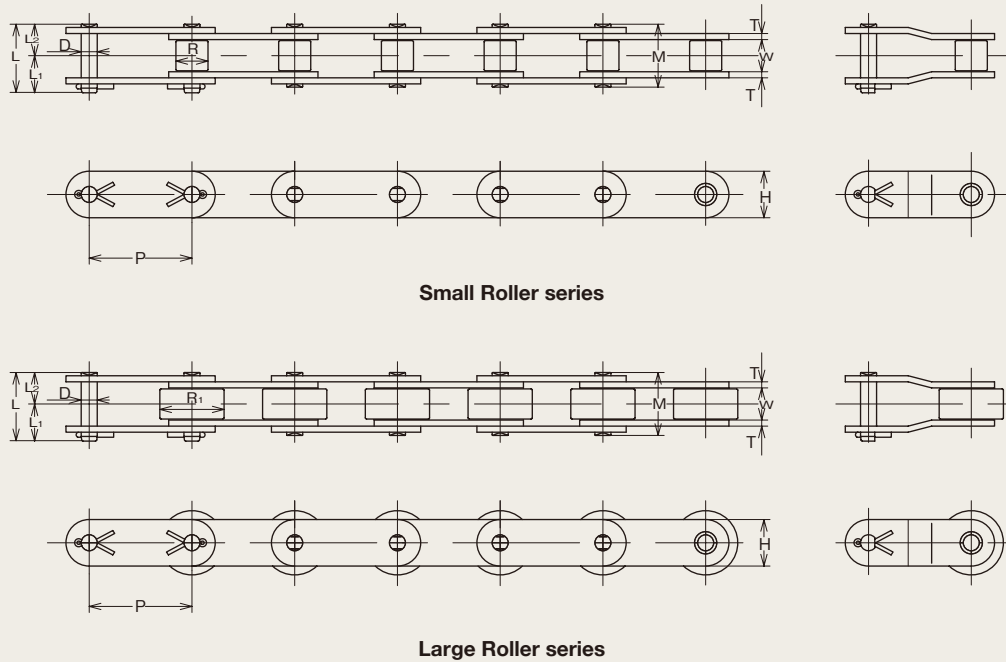
※We also manufacture to special dimensions.

## Double Pitch Stainless Steel Roller Chains for Conveyor Use

Double pitch stainless steel roller chains for conveyor use are made from 300-class stainless steel.

They can be used in acid, alkaline or wet conditions, hot and cold conditions, and in other special atmospheres which require temperature and corrosion resistance.

### Dimensions of Double Pitch Stainless Steel Roller Chains for Conveyor Use



| Chain No. | Pitch P (mm) | Roller         |                | Inner Width W (mm) | Pin         |             |      |                | Link Plate     |               | Average Tensile Strength |      | Maximum Allowable Load |      | Mass (kg/m) |      |
|-----------|--------------|----------------|----------------|--------------------|-------------|-------------|------|----------------|----------------|---------------|--------------------------|------|------------------------|------|-------------|------|
|           |              | Outer Dia.(mm) |                |                    | Dia. D (mm) | Length (mm) |      |                |                | Height H (mm) | Thickness T (mm)         |      |                        |      |             |      |
|           |              | R              | R <sub>1</sub> |                    |             | M           | L    | L <sub>1</sub> | L <sub>2</sub> |               |                          |      |                        |      |             |      |
| C2040SS   | 25.4         | 7.92           | —              | 7.95               | 3.96        | 16.9        | 18.5 | 10.0           | 8.5            | 11.4          | 1.5                      | 12.4 | 1260                   | 0.44 | 45          | 0.48 |
| C2042SS   |              | —              | 15.88          |                    |             |             |      |                |                |               |                          |      |                        |      |             | 0.82 |
| C2050SS   | 31.75        | 10.16          | —              | 9.53               | 5.08        | 20.8        | 22.3 | 11.9           | 10.4           | 15.0          | 2.0                      | 20.3 | 2070                   | 0.68 | 70          | 0.82 |
| C2052SS   |              | —              | 19.05          |                    |             |             |      |                |                |               |                          |      |                        |      |             | 1.26 |
| C2060HSS  | 38.1         | 11.91          | —              | 12.7               | 5.95        | 28.8        | 30.9 | 16.5           | 14.4           | 17.0          | 3.2                      | 27.4 | 2790                   | 1.03 | 105         | 1.38 |
| C2062HSS  |              | —              | 22.23          |                    |             |             |      |                |                |               |                          |      |                        |      |             | 2.08 |
| C2080HSS  | 50.8         | 15.88          | —              | 15.88              | 7.93        | 35.7        | 38.8 | 20.9           | 17.9           | 22.6          | 4.0                      | 47.1 | 4800                   | 1.77 | 180         | 2.32 |
| C2082HSS  |              | —              | 28.58          |                    |             |             |      |                |                |               |                          |      |                        |      |             | 3.36 |
| C2100HSS  | 63.5         | 19.05          | —              | 19.05              | 9.53        | 42.4        | 46.0 | 24.8           | 21.2           | 28.6          | 4.8                      | 56.9 | 5800                   | 2.55 | 265         | 3.46 |
| C2102HSS  |              | —              | 39.67          |                    |             |             |      |                |                |               |                          |      |                        |      |             | 5.64 |
| C2120HSS  | 76.2         | 22.23          | —              | 25.4               | 11.1        | 52.8        | 57.2 | 30.8           | 26.4           | 34.9          | 5.6                      | 76.5 | 7800                   | 3.92 | 395         | 4.92 |
| C2122HSS  |              | —              | 44.45          |                    |             |             |      |                |                |               |                          |      |                        |      |             | 7.87 |

Note: Rivet pins are standard, but cotter pins may also be used.

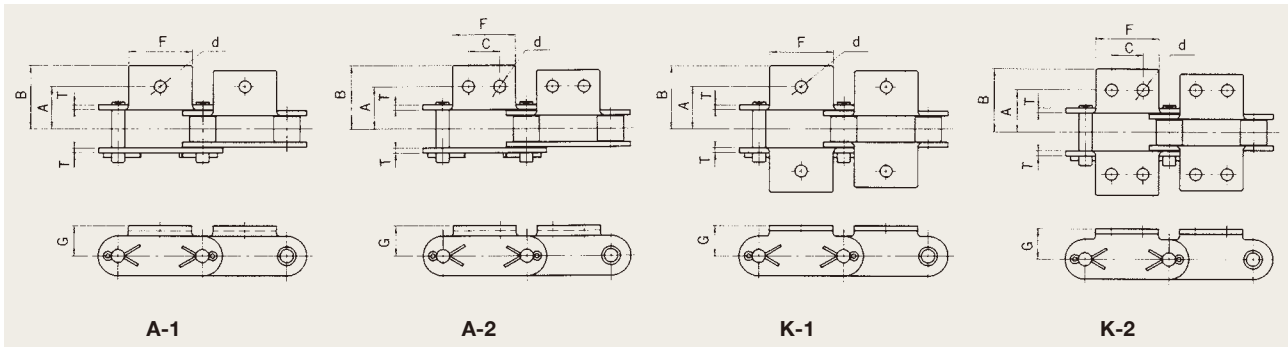


# Steel Conveyor Chains

## Double Pitch Stainless Steel Roller Chains with Attachments

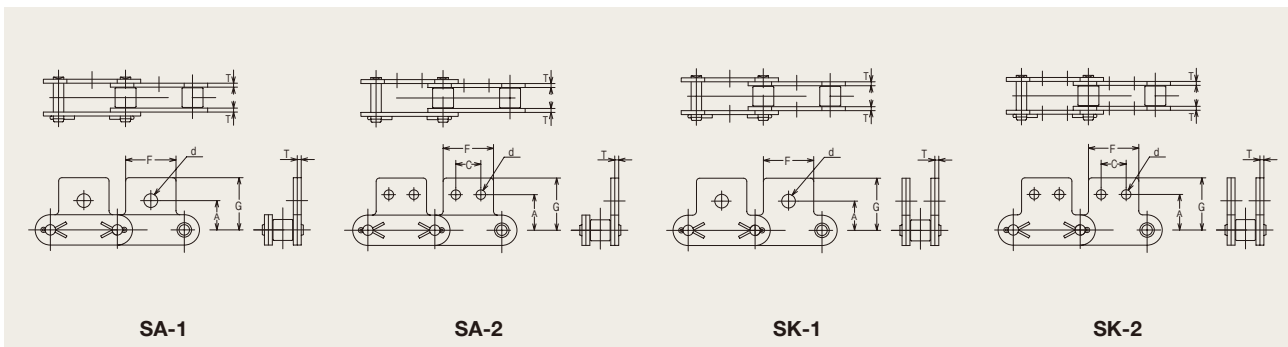
These chains are double pitch stainless steel roller chains for conveyor use, with attachments added as necessary.

### A-1, A-2, K-1, K-2 Attachments



| Chain No. | Dimensions (mm) |      |      |      |      |      |     | Added Mass per Attachment (g) |          |
|-----------|-----------------|------|------|------|------|------|-----|-------------------------------|----------|
|           | A               | B    | C    | d    | F    | G    | T   | A-1, A-2                      | K-1, K-2 |
| C2040SS   | 12.7            | 19.1 | 9.5  | 3.6  | 19.0 | 9.1  | 1.5 | 3.0                           | 6.0      |
| C2042SS   |                 |      |      |      |      |      |     |                               |          |
| C2050SS   | 15.9            | 24.2 | 11.9 | 5.2  | 23.8 | 11.1 | 2.0 | 7.0                           | 14.0     |
| C2052SS   |                 |      |      |      |      |      |     |                               |          |
| C2060HSS  | 21.4            | 31.2 | 14.3 | 5.2  | 28.6 | 14.7 | 3.2 | 17.0                          | 34.0     |
| C2062HSS  |                 |      |      |      |      |      |     |                               |          |
| C2080HSS  | 27.8            | 40.6 | 19.1 | 6.8  | 38.1 | 19.1 | 4.0 | 36.0                          | 72.0     |
| C2082HSS  |                 |      |      |      |      |      |     |                               |          |
| C2100HSS  | 33.3            | 50.0 | 23.8 | 8.8  | 47.6 | 23.4 | 4.8 | 64.0                          | 128.0    |
| C2102HSS  |                 |      |      |      |      |      |     |                               |          |
| C2120HSS  | 39.7            | 61.9 | 28.6 | 10.5 | 57.2 | 27.8 | 5.6 | 102.0                         | 204.0    |
| C2122HSS  |                 |      |      |      |      |      |     |                               |          |

### SA-1, SA-2, SK-1, SK-2 Attachments



| Chain No. | Dimensions (mm) |            |      |            |            |      |      |     | Added Mass per Attachment (g) |            |
|-----------|-----------------|------------|------|------------|------------|------|------|-----|-------------------------------|------------|
|           | A               |            | C    | d          |            | F    | G    | T   | SA-1, SA-2                    | SK-1, SK-2 |
|           | SA-1, SK-1      | SA-2, SK-2 |      | SA-1, SK-1 | SA-2, SK-2 |      |      |     |                               |            |
| C2040SS   | 11.1            | 13.5       | 9.5  | 5.2        | 3.6        | 19.0 | 19.8 | 1.5 | 3.0                           | 6.0        |
| C2042SS   |                 |            |      |            |            |      |      |     |                               |            |
| C2050SS   | 14.3            | 15.9       | 11.9 | 6.8        | 5.2        | 23.8 | 24.6 | 2.0 | 7.0                           | 14.0       |
| C2052SS   |                 |            |      |            |            |      |      |     |                               |            |
| C2060HSS  | 17.5            | 19.1       | 14.3 | 8.7        | 5.2        | 28.6 | 31.8 | 3.2 | 17.0                          | 34.0       |
| C2062HSS  |                 |            |      |            |            |      |      |     |                               |            |
| C2080HSS  | 22.2            | 25.4       | 19.1 | 10.3       | 6.8        | 38.1 | 41.7 | 4.0 | 36.0                          | 72.0       |
| C2082HSS  |                 |            |      |            |            |      |      |     |                               |            |
| C2100HSS  | 28.6            | 31.8       | 23.8 | 14.0       | 8.8        | 47.6 | 50.3 | 4.8 | 66.0                          | 132.0      |
| C2102HSS  |                 |            |      |            |            |      |      |     |                               |            |
| C2120HSS  | 33.3            | 37.3       | 28.6 | 16.0       | 10.5       | 57.2 | 61.1 | 5.6 | 97.0                          | 194.0      |
| C2122HSS  |                 |            |      |            |            |      |      |     |                               |            |