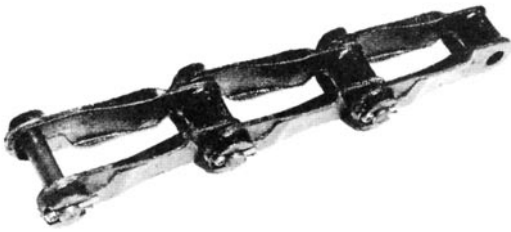
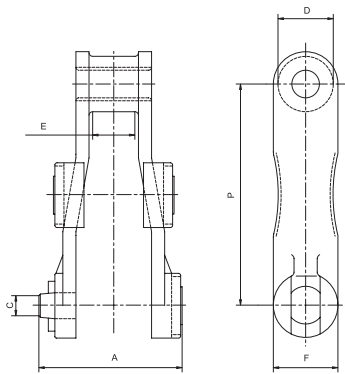


## Chain for water Industry / Sewage Treatment

### 700 Class Pintle chain



The 700-class Pintle Chain can withstand corrosion and rust, thereby making it possible for usages in salt water and under polluted waters. It is a conveyor chain for environment purposes such as collectors at sewage treatment facilities. Its long and strong pitches, along with wide bottom surface are designed to withstand abrasion and corrosion. In addition, in order to attach large scrapers or buckets, strong attachments are provided. The 710 series chains are adequate for Batchers Plants on the ground for conveying sand, gravel with capabilities to withstand harsh abrasion.



unit : mm

| DONG BO CHAIN No. | Pitch |      | Dimensions |      |      |    |    | Avg. Breaking Load(kgf) | max. allowable Load(kgf) | Weight (kg/m) |
|-------------------|-------|------|------------|------|------|----|----|-------------------------|--------------------------|---------------|
|                   | mm    | in   | A          | C    | D    | E  | F  |                         |                          |               |
| <b>DBC 710</b>    | 119.6 | 4.71 | 143        | 17.5 | 28.6 | 60 | 35 | 12,500                  | 1,900                    | 9.4           |
| <b>DBC 720</b>    | 152.4 | 6.00 | 90         | 17.5 | 35   | 27 | 38 | 12,500                  | 1,610                    | 7.4           |
| <b>DBC 720S</b>   | 152.4 | 6.00 | 98         | 19.1 | 36.5 | 27 | 40 | 17,000                  | 1,840                    | 7.8           |
| <b>DBC 730</b>    | 152.4 | 6.00 | 97         | 19.1 | 38.1 | 27 | 45 | 19,000                  | 1,950                    | 9             |

### Available Attachment

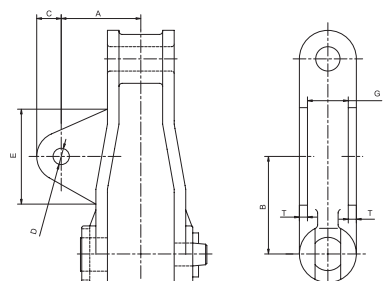
| CHAIN No.       | A-21 | A-42 | A-53 | AD-474 | AM-116 | F-2 | F-3(SF-4) | F-226 | F-228 | K-2 | M-1 |
|-----------------|------|------|------|--------|--------|-----|-----------|-------|-------|-----|-----|
| <b>DBC 710</b>  |      |      |      |        |        |     |           |       |       | ○   |     |
| <b>DBC 720</b>  |      |      |      | ○      |        | ○   | ○         | ○     | ○     |     | ○   |
| <b>DBC 720S</b> | ○    |      | ○    | ○      | ○      | ○   | ○         | ○     | ○     |     | ○   |
| <b>DBC 730</b>  |      | ○    | ○    |        | ○      | ○   | ○         | ○     | ○     | ○   | ○   |

\* ○ = available

### A-53 Attachment

unit : mm

| DONG BO Basic Chain No. | Dimensions |    |      |      |    |    |     | Approx Weight (kg/m) |
|-------------------------|------------|----|------|------|----|----|-----|----------------------|
|                         | A          | B  | C    | D    | E  | G  | T   |                      |
| <b>DBC 720S</b>         | 62         | 76 | 19.1 | 12.7 | 76 | 24 | 6.3 | 7.74                 |
| <b>DBC 730</b>          | 49         | 76 | 19.1 | 12.7 | 76 | 28 | 6.3 | 9.38                 |



A-53 Attachment



## Chain for water Industry / Sewage Treatment

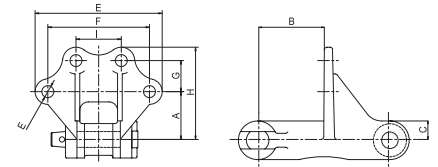


### 700 Class pintle chain

#### F-2 Attachment

unit : mm

| DONG BO         |             | Dimensions |    |      |      |     |    |    |    |    | Weight<br>(kg/m) |
|-----------------|-------------|------------|----|------|------|-----|----|----|----|----|------------------|
| Basic Chain No. |             | A          | B  | C    | D    | E   | F  | G  | H  | I  |                  |
|                 | <b>720</b>  | 50.8       | 76 | 19.1 | 12.7 | 135 | 54 | 33 | 98 | 33 | 9.7              |
| <b>DBC</b>      | <b>720S</b> | 50.8       | 76 | 19.8 | 12.7 | 135 | 54 | 33 | 98 | 33 | 11.5             |
|                 | <b>730</b>  | 50.8       | 76 | 22.2 | 12.7 | 135 | 54 | 33 | 98 | 33 | 12.9             |

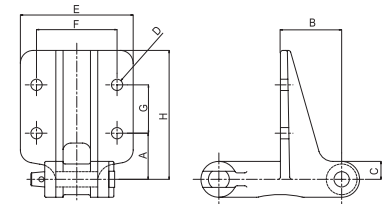


F-2

#### F-3 Attachment

unit : mm

| DONG BO         |             | Dimensions |    |      |      |     |     |    |     | Weight<br>(kg/m) |
|-----------------|-------------|------------|----|------|------|-----|-----|----|-----|------------------|
| Basic Chain No. |             | A          | B  | C    | D    | E   | F   | G  | H   |                  |
|                 | <b>720</b>  | 60         | 76 | 19.1 | 12.7 | 138 | 100 | 60 | 140 | 15.7             |
| <b>DBC</b>      | <b>720S</b> | 60         | 76 | 19.8 | 12.7 | 125 | 95  | 64 | 139 | 16               |
|                 | <b>730</b>  | 60         | 76 | 22.2 | 12.7 | 130 | 95  | 64 | 152 | 20               |



F-3, F-226, F-228

#### F-226 Attachment

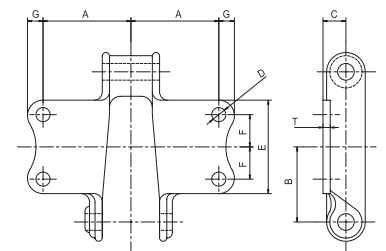
unit : mm

| DONG BO         |             | Dimensions |    |      |      |     |    |    |     | Weight<br>(kg/m) |
|-----------------|-------------|------------|----|------|------|-----|----|----|-----|------------------|
| Basic Chain No. |             | A          | B  | C    | D    | E   | F  | G  | H   |                  |
|                 | <b>720</b>  | 60         | 76 | 19.1 | 12.7 | 130 | 95 | 67 | 152 | 16.7             |
| <b>DBC</b>      | <b>720S</b> | 60         | 76 | 19.8 | 12.7 | 130 | 95 | 67 | 152 | 17.1             |
|                 | <b>730</b>  | 60         | 76 | 22.2 | 12.7 | 130 | 95 | 67 | 152 | 20.5             |

#### F-228 Attachment

unit : mm

| DONG BO         |             | Dimensions |    |      |      |     |    |     |     | Weight<br>(kg/m) |
|-----------------|-------------|------------|----|------|------|-----|----|-----|-----|------------------|
| Basic Chain No. |             | A          | B  | C    | D    | E   | F  | G   | H   |                  |
|                 | <b>720</b>  | 60         | 76 | 19.1 | 12.7 | 127 | 95 | 114 | 197 | 19.4             |
| <b>DBC</b>      | <b>720S</b> | 60         | 76 | 19.8 | 12.7 | 127 | 95 | 114 | 203 | 20.1             |
|                 | <b>730</b>  | 60         | 76 | 22.2 | 12.7 | 127 | 95 | 114 | 203 | 23.1             |



K-2

#### K-2 Attachment

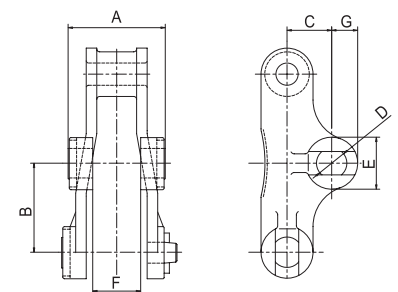
unit : mm

| DONG BO         |            | Dimensions |    |      |      |     |    |    |     | Weight<br>(kg/m) |
|-----------------|------------|------------|----|------|------|-----|----|----|-----|------------------|
| Basic Chain No. |            | A          | B  | C    | D    | E   | F  | G  | H   |                  |
|                 | <b>710</b> | 79         | 60 | 20.6 | 19.1 | 84  | 29 | 14 | 6.3 | 12.1             |
| <b>DBC</b>      | <b>730</b> | 76         | 76 | 25.4 | 12.7 | 102 | 33 | 18 | 7.9 | 12.8             |

#### M-1 Attachment

unit : mm

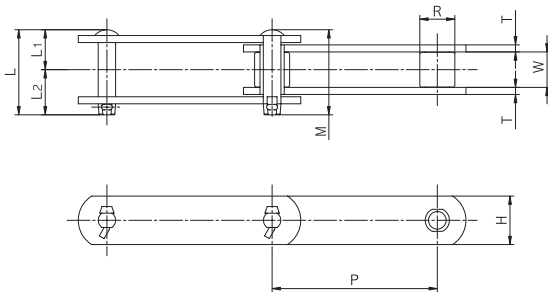
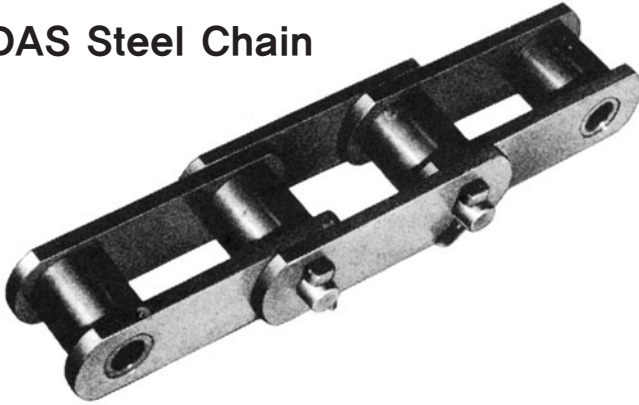
| DONG BO         |             | Dimensions |    |      |      |      |      |      | Weight<br>(kg/m) |
|-----------------|-------------|------------|----|------|------|------|------|------|------------------|
| Basic Chain No. |             | A          | B  | C    | D    | E    | F    | G    |                  |
|                 | <b>720</b>  | 76         | 76 | 38.1 | 19.1 | 38.1 | 38.1 | 19.1 | 9                |
| <b>DBC</b>      | <b>720S</b> | 76         | 76 | 38.1 | 19.1 | 38.1 | 38.1 | 19.1 | 10               |
|                 | <b>730</b>  | 76         | 76 | 41.3 | 19.1 | 38.1 | 38.1 | 19.1 | 11.6             |



M-1

## Chain for water Industry / Sewage Treatment

### DAS Steel Chain



This chain is designed specially for water treatment facilities.

Unlike standard type chains, they are manufactured with special alloy steel to sustain strength and withstand from corrosion and abrasion.

The pin and bush for the DAS chain used in automatic dust remover are manufactured with 400-class stainless steel to increase its ability to withstand from corrosion and abrasion.

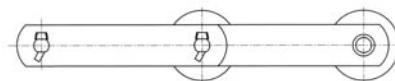
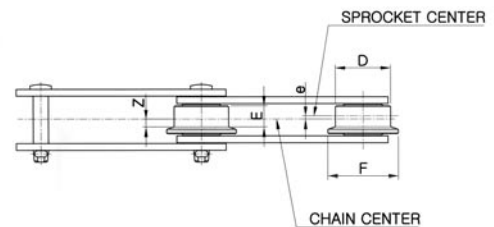
unit : mm

| DONG BO CHAIN NO.       |           | Pitch<br>P | Roller<br>R |       |       | Inner<br>Width<br>W | Plate |     | Pin  |                |                |      | Avg.<br>Breaking<br>Load(kgf) | guaranted<br>Breaking<br>Load(kgf) | Weight of<br>Roller(kg/m) |       |       |      |
|-------------------------|-----------|------------|-------------|-------|-------|---------------------|-------|-----|------|----------------|----------------|------|-------------------------------|------------------------------------|---------------------------|-------|-------|------|
| Standard<br>Designation | Chain No. |            | S-R/O       | F-R/O | R-R/O |                     | T     | H   | D    | L <sub>1</sub> | L <sub>2</sub> | L    |                               |                                    | S-R/O                     | R-R/O | F-R/O |      |
| DBC                     | DAS 15215 | S-F-R      | 152.4       | 25.4  | 50.8  | 50.8                | 30.2  | 6.3 | 38.1 | 11.05          | 31.0           | 38.0 | 69.0                          | 15,000                             | 13,500                    | 6.0   | 7.8   | 8.0  |
|                         | DAS 15219 | S-F-R      | 152.4       | 29.0  | 50.8  | 50.8                | 30.2  | 6.3 | 38.1 | 14.18          | 32.8           | 40.5 | 73.3                          | 19,000                             | 17,100                    | 6.6   | 7.8   | 8.0  |
|                         | DAS 15228 | S-F-R      | 152.4       | 34.9  | 65.0  | 65.0                | 37.1  | 7.9 | 44.5 | 15.80          | 40.0           | 47.5 | 87.5                          | 28,000                             | 25,500                    | 9.3   | 12.0  | 13.0 |
|                         | DAS 15235 | S-F-R      | 152.4       | 39.7  | 70.0  | 70.0                | 37.1  | 9.5 | 50.8 | 18.94          | 44.5           | 53.0 | 97.5                          | 38,000                             | 35,000                    | 12.6  | 17.1  | 18.1 |
|                         | DAS 15248 | S          | 152.4       | 44.5  | -     | -                   | 57.2  | 9.5 | 63.5 | 22.11          | 55.3           | 64.3 | 119.6                         | 52,000                             | 47,000                    | 17.8  | -     | -    |

\* R/o=Roller

unit : mm

| DONG BO<br>BasicChain No. | D    | F  | e   | Z | E  |
|---------------------------|------|----|-----|---|----|
| DBC DAS 15215             | 50.8 | 65 | 3   | 7 | 20 |
| DBC DAS 15219             | 50.8 | 65 | 3   | 7 | 20 |
| DBC DAS 15228             | 65.0 | 85 | 4   | 8 | 24 |
| DBC DAS 15235             | 70.0 | 85 | 3.5 | 9 | 25 |



### Available Attachment

| Basic Chain No. | D-22 | T-1 | A-2 |
|-----------------|------|-----|-----|
| DBC DAS 15215   |      | ○   | ○   |
| DBC DAS 15219   | ○    | ○   | ○   |
| DBC DAS 15228   | ○    | ○   | ○   |
| DBC DAS 15235   | ○    | ○   | ○   |
| DBC DAS 15248   |      | ○   |     |



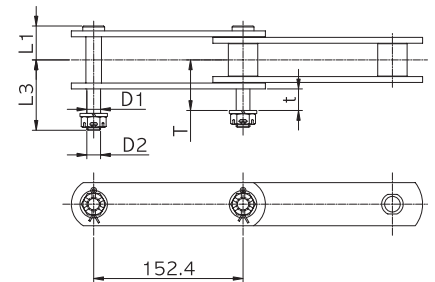
## Chain for water Industry / Sewage Treatment

### DAS Steel Chain

#### D-22 Attachment

unit : mm

| DONG BO         |                  | Dimensions     |                |                |                |      |    | Weight<br>(kg/each) |
|-----------------|------------------|----------------|----------------|----------------|----------------|------|----|---------------------|
| Basic Chain No. |                  | L <sub>1</sub> | L <sub>3</sub> | D <sub>1</sub> | D <sub>2</sub> | l    | t  |                     |
|                 | <b>DAS 15219</b> | 32.8           | 59.0           | 13.5           | M12            | 44.3 | 16 | 0.12                |
| <b>DBC</b>      | <b>DAS 15228</b> | 40.0           | 68.0           | 15.5           | M14            | 51.1 | 16 | 0.13                |
|                 | <b>DAS 15235</b> | 44.5           | 74.0           | 18.0           | M16            | 54.4 | 16 | 0.19                |

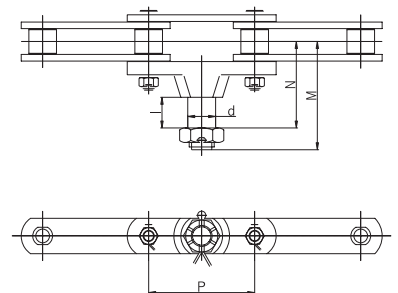


D-22 Attachment

#### T-1 Attachment

unit : mm

| DONG BO         |                  | Pitch<br>P | Dimension |     |    |    | Weight<br>(kg/each) |
|-----------------|------------------|------------|-----------|-----|----|----|---------------------|
| Basic Chain No. |                  |            | M         | N   | d  | l  |                     |
|                 | <b>DAS 15215</b> | 152.4      | 108       | 80  | 25 | 30 | 1.2                 |
|                 | <b>DAS 15219</b> | 152.4      | 108       | 85  | 30 | 35 | 1.4                 |
| <b>DBC</b>      | <b>DAS 15228</b> | 152.4      | 149       | 122 | 40 | 44 | 2.8                 |
|                 | <b>DAS 15235</b> | 152.4      | 151       | 124 | 40 | 44 | 3.4                 |
|                 | <b>DAS 15248</b> | 152.4      | 184       | 145 | 50 | 50 | 5.1                 |

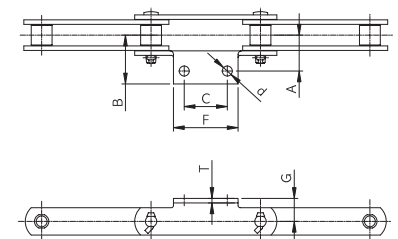


T-1 Attachment

#### A-2 Attachment

unit : mm

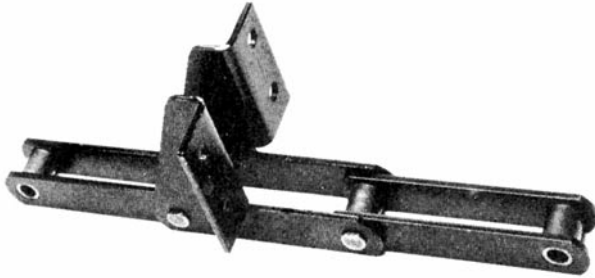
| DONG BO         |                  | Pitch<br>P | Dimension |    |    |     |    |    | Weight<br>(kg/each) |      |
|-----------------|------------------|------------|-----------|----|----|-----|----|----|---------------------|------|
| Basic Chain No. |                  |            | A         | B  | C  | F   | G  | d  |                     | T    |
|                 | <b>DAS 15215</b> | 152.4      | 50        | 66 | 60 | 90  | 32 | 14 | 6.3                 | 0.25 |
|                 | <b>DAS 15219</b> | 152.4      | 50        | 66 | 60 | 90  | 32 | 14 | 6.3                 | 0.25 |
| <b>DBC</b>      | <b>DAS 15228</b> | 152.4      | 60        | 81 | 60 | 100 | 38 | 18 | 7.9                 | 0.40 |
|                 | <b>DAS 15235</b> | 152.4      | 65        | 86 | 60 | 100 | 45 | 18 | 9.5                 | 0.55 |



A-2 Attachment

## Chain for water Industry / Sewage Treatment

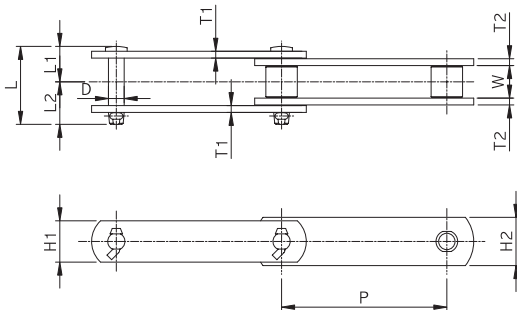
### DSSStainless Steel Chain



All components are manufactured with carefully selected stainless steel through the precision press procedure.

This chain is designed with high precision and has light weight. It maintains sufficient ultimate tensile strength and has excellent capabilities to withstand from corrosion and abrasion.

SF-4 attachments are placed on Sludge Collector Flights, D-22 attachments on Grit Collector Bucket Elevators, and A-2 attachments on Dust Collector Rakes.

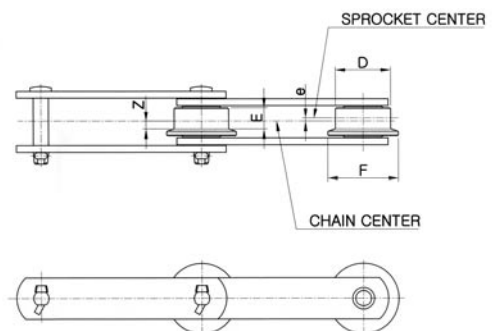


unit : mm

| DONG BO CHAIN NO.       |           |                | Pitch<br>P | Roller Dimensions<br>R |                  |                  | Inner<br>Width<br>W | Pin<br>Link<br>Plate |                | Bushing<br>Link<br>Plate |                | pin  |                |                |    | Avg.<br>Breaking<br>load<br>(kgf) | Guarnted<br>Breaking<br>load<br>(kgf) | Weight of roller<br>(kgf) |                  |                  |
|-------------------------|-----------|----------------|------------|------------------------|------------------|------------------|---------------------|----------------------|----------------|--------------------------|----------------|------|----------------|----------------|----|-----------------------------------|---------------------------------------|---------------------------|------------------|------------------|
| Standard<br>Designation | Chain No. | Roller<br>Type |            | Bushed<br>Type         | S-Roller<br>Type | F-Roller<br>Type |                     | T <sub>1</sub>       | H <sub>1</sub> | T <sub>2</sub>           | H <sub>2</sub> | D    | L <sub>1</sub> | L <sub>2</sub> | L  |                                   |                                       | Bushed<br>Type            | S-Roller<br>Type | F-Roller<br>Type |
| DBC                     | DSS 15215 | B-S-F          | 152.4      | 24                     | 29               | 48               | 26                  | 5                    | 36             | 6                        | 38             | 13.5 | 29             | 33             | 62 | 15,000                            | 13,500                                | 4.2                       | 4.6              | 7.3              |
|                         | DSS 15219 | B-S-F          | 152.4      | 26                     | 32               | 50               | 30                  | 6                    | 38             | 6                        | 44             | 14.5 | 32             | 40             | 72 | 19,000                            | 17,500                                | 5.8                       | 6.7              | 8.5              |
|                         | DSS 15225 | B-S-F          | 152.4      | 30                     | 36               | 58               | 34                  | 6                    | 44             | 7                        | 54             | 15.3 | 36             | 44             | 80 | 25,000                            | 23,000                                | 6.9                       | 7.7              | 11.5             |
|                         | DSS 15235 | B-S-F          | 152.4      | 36                     | 32               | 70               | 38                  | 7                    | 54             | 7                        | 60             | 18.9 | 40             | 48             | 88 | 35,000                            | 32,000                                | 10.3                      | 11.7             | 16.4             |

unit : mm

| DONG BO<br>BasicChain No. |           | D  | F  | e    | Z    | E  |
|---------------------------|-----------|----|----|------|------|----|
| DBC                       | DSS 15215 | 48 | 60 | 2.25 | 5.75 | 16 |
|                           | DSS 15219 | 50 | 65 | 3.00 | 7.00 | 20 |
|                           | DSS 15228 | 58 | 75 | 3.00 | 9.00 | 24 |
|                           | DSS 15235 | 70 | 90 | 4.00 | 8.50 | 25 |



### Available Attachment

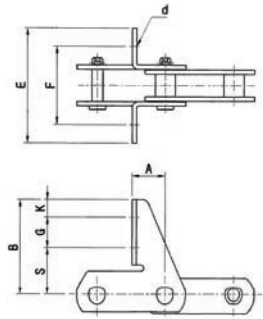
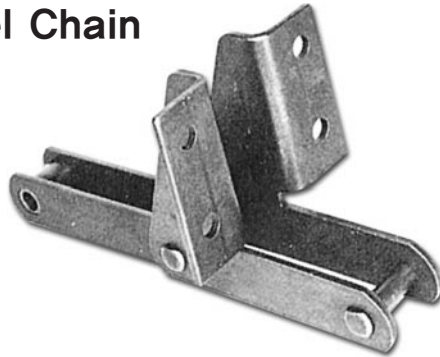
| Basic Chain No. | SF-4      | A-2 | D-22 |   |
|-----------------|-----------|-----|------|---|
| DBC             | DSS 15215 | ○   | ○    | ○ |
|                 | DSS 15219 | ○   | ○    | ○ |
|                 | DSS 15225 | ○   | ○    | ○ |
|                 | DSS 15235 | ○   | ○    | ○ |



## Chain for water Industry / Sewage Treatment

### DSSStainless Steel Chain

#### SF-4 Attachment

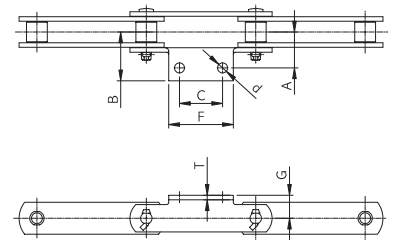
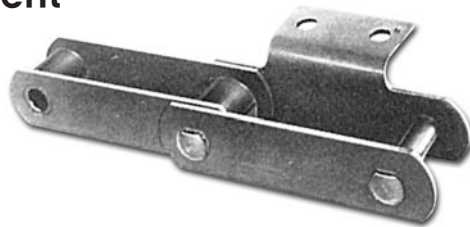


SF-4 Attachment

unit : mm

| DONG BO        |                  | Dimensions |       |    |     |     |    |    |      |   |    | add.weight per Attachment (kg/each) |
|----------------|------------------|------------|-------|----|-----|-----|----|----|------|---|----|-------------------------------------|
| BasicChain No. |                  | A          | B     | C  | E   | F   | G  | K  | S    | T | d  |                                     |
| DBC            | <b>DSS 15215</b> | 76         | 140   | 38 | 140 | 100 | 60 | 20 | 22   | 5 | 14 | 1.0                                 |
|                | <b>DSS 15219</b> | 76         | 157.5 | 40 | 140 | 100 | 75 | 20 | 22.5 | 6 | 14 | 1.3                                 |
|                | <b>DSS 15219</b> | 76         | 142.5 | 40 | 150 | 112 | 60 | 20 | 22.5 | 6 | 14 | 1.4                                 |
|                | <b>DSS 15219</b> | 76         | 155   | 32 | 140 | 100 | 65 | 20 | 38.0 | 6 | 14 | 1.45                                |
|                | <b>DSS 15225</b> | 76         | 162   | 40 | 140 | 100 | 75 | 20 | 27   | 6 | 18 | 1.6                                 |
|                | <b>DSS 15235</b> | 76         | 175   | 40 | 150 | 110 | 76 | 25 | 35   | 7 | 18 | 1.9                                 |

#### A-2 Attachment

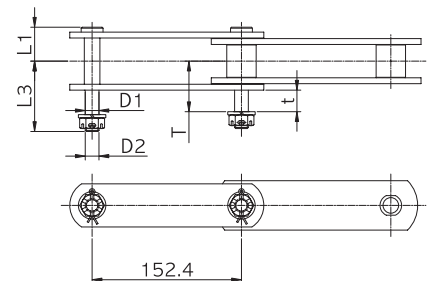
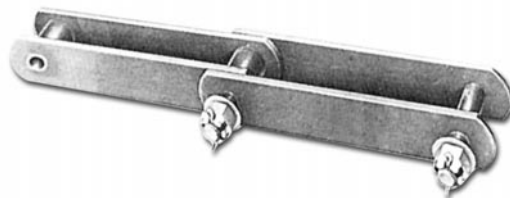


A-2 Attachment

unit : mm

| DONG BO        |                  | Dimensions |    |    |     |    |    |   | add.weight per Attachment (kg/each) |
|----------------|------------------|------------|----|----|-----|----|----|---|-------------------------------------|
| BasicChain No. |                  | A          | B  | C  | F   | G  | d  | T |                                     |
| DBC            | <b>DSS 15215</b> | 45         | 60 | 60 | 90  | 30 | 14 | 5 | 0.16                                |
|                | <b>DSS 15219</b> | 50         | 65 | 60 | 90  | 32 | 14 | 6 | 0.21                                |
|                | <b>DSS 15225</b> | 55         | 75 | 60 | 100 | 35 | 18 | 6 | 0.27                                |
|                | <b>DSS 15235</b> | 65         | 90 | 60 | 100 | 42 | 18 | 7 | 0.39                                |

#### D-22 Attachment



D-22 Attachment

unit : mm

| DONG BO        |                  | Dimensions     |                |                |                |    |    | add.weight per Attachment (kg/each) |
|----------------|------------------|----------------|----------------|----------------|----------------|----|----|-------------------------------------|
| BasicChain No. |                  | L <sub>1</sub> | L <sub>3</sub> | D <sub>1</sub> | D <sub>2</sub> | l  | t  |                                     |
| DBC            | <b>DSS 15215</b> | 29             | 51             | 13             | M12            | 37 | 12 | 0.11                                |
|                | <b>DSS 15219</b> | 32             | 58             | 14             | M12            | 44 | 16 | 0.12                                |
|                | <b>DSS 15225</b> | 36             | 64             | 15             | M14            | 47 | 16 | 0.13                                |
|                | <b>DSS 15235</b> | 40             | 72             | 18             | M16            | 53 | 19 | 0.19                                |