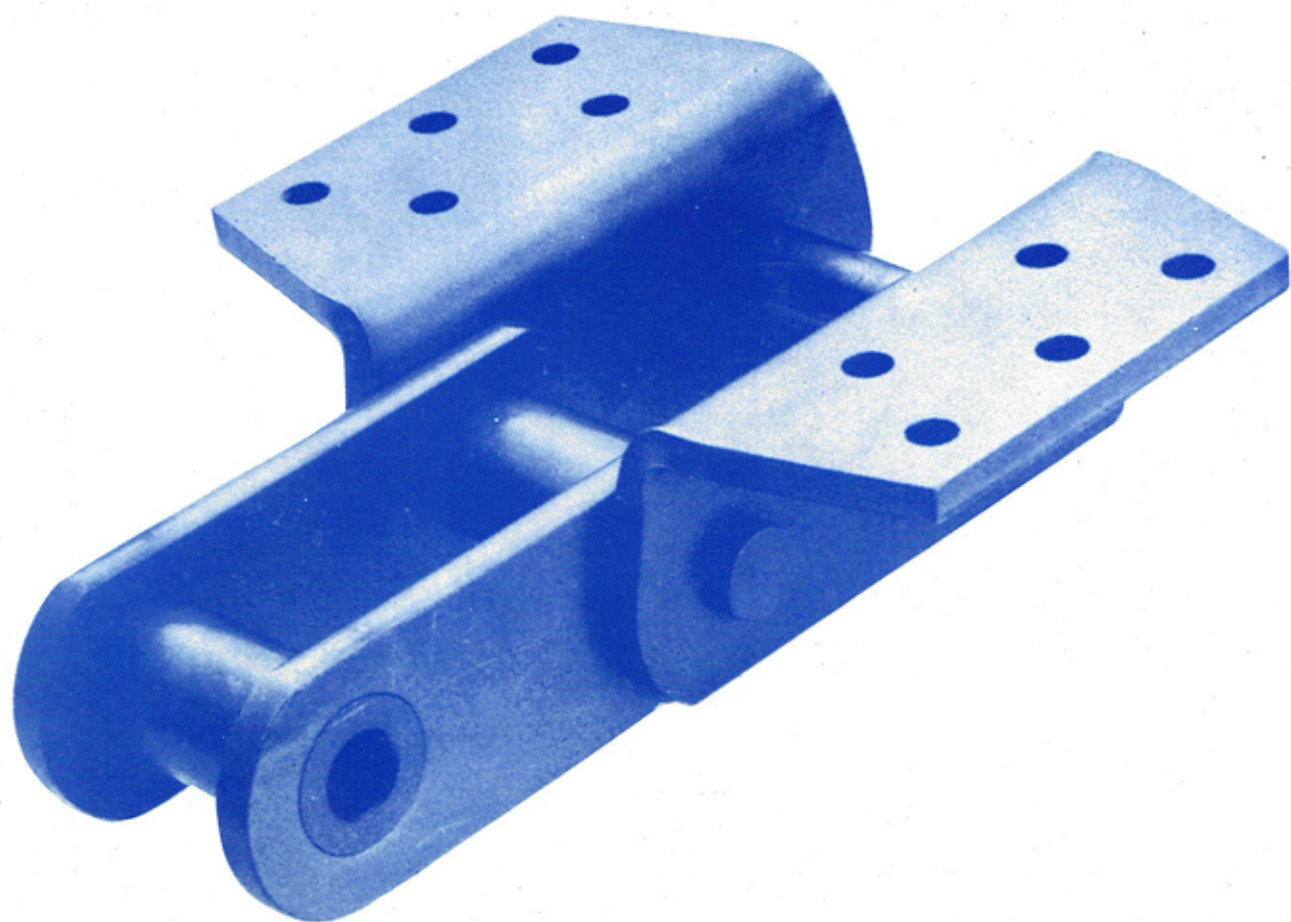




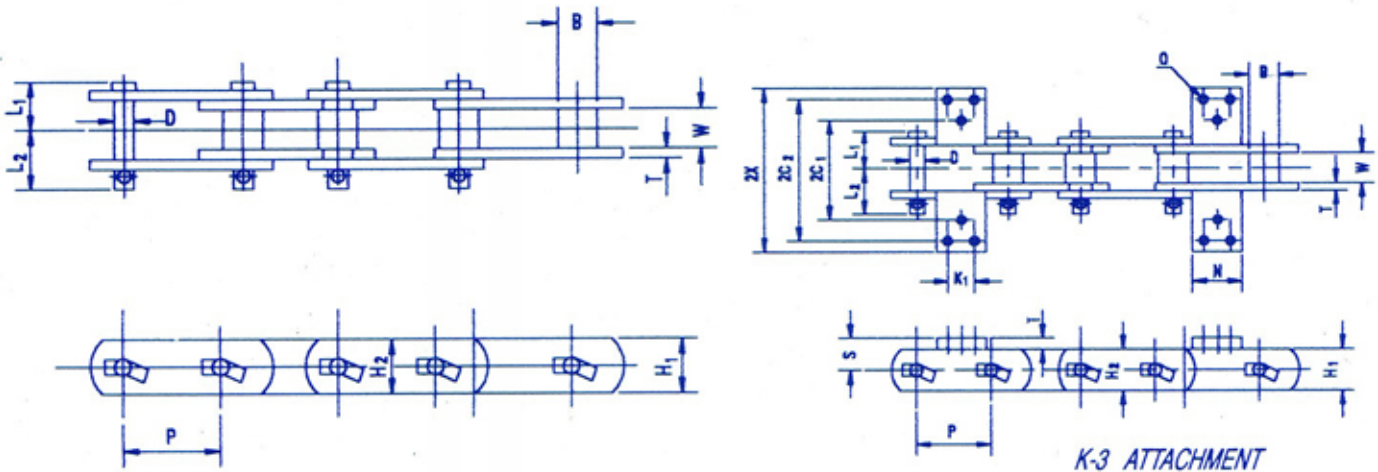
# **TOUGH DUTY ENGINEERED CHAINS FOR CEMENT & OTHER HEAVY INDUSTRIES**



**THE MOST COMPACT & ECONOMICAL ELEVATOR CHAINS AND  
SPROCKETS FOR DRIVES / CONVEYORS .**

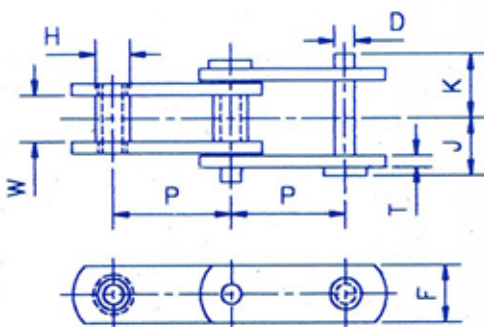
# BUCKET ELEVATOR CHAINS

We accept the challenging task by introducing the special design for centrifugal discharge type bucket elevators. Our new range of chains have become highly valued in Cement and other heavy industries in the world. Standardisation of our attachments makes easy for selection depending on requirements. Attachments are also available in special design on request. Chains required for greater tensile and fatigue strength plus higher wear resistance are also available. Our stringent quality control on selection of materials and workmanship ensures production of high grade quality chains. The chains are reliably tested under normal and extreme conditions.



| Chain No. | Pitch P | Average Tensile Strength Kgf | Bush Dia. B | Width Between Inner Plates W | Link Plate     |                |      | Pin   |                |                | Attachment Type | Appx. Weight kg/m |
|-----------|---------|------------------------------|-------------|------------------------------|----------------|----------------|------|-------|----------------|----------------|-----------------|-------------------|
|           |         |                              |             |                              | H <sub>1</sub> | H <sub>2</sub> | T    | D     | L <sub>1</sub> | L <sub>2</sub> |                 |                   |
| 856       | 152.40  | 45000                        | 44.5        | 76.2                         | 63.5           | 63.5           | 12.7 | 25.4  | 72.5           | 83.0           | K24,K-3,K-35    | 24.5              |
| 857       | 152.40  | 59000                        | 44.5        | 76.2                         | 82.6           | 63.5           | 12.7 | 25.4  | 72.5           | 83.0           | K-44            | 30.0              |
| 859       | 152.40  | 90000                        | 60.3        | 95.3                         | 101.6          | 76.2           | 16.0 | 31.75 | 91.5           | 99.5           | K-44            | 51.0              |
| 864       | 177.80  | 90000                        | 60.3        | 95.3                         | 101.6          | 90.0           | 16.0 | 31.75 | 91.5           | 99.5           | K-443           | 51.0              |
| 147       | 250.00  | 30000                        | 32.0        | 30.0                         | 50.0           | 50.0           | 8.0  | 20.0  | 34.0           | 43.5           | K-2             | 55.0              |

All Dimensions are in mm.



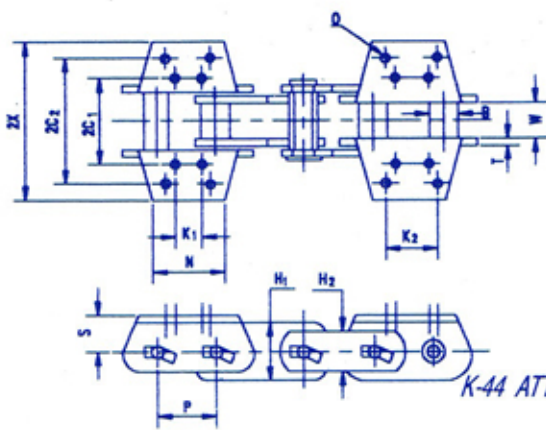
## ANSI BUCKET ELEVATOR CHAINS

All Dimensions are in mm.

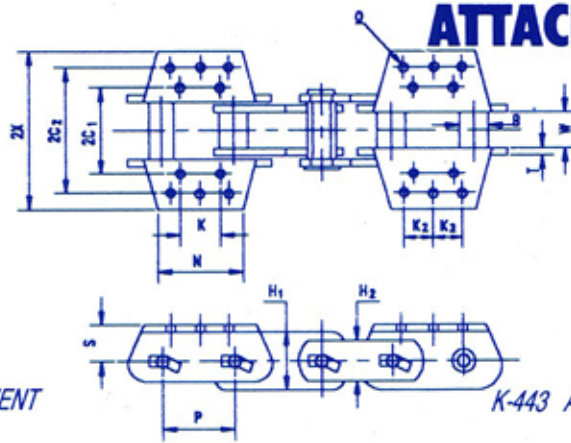
| Chain No. | Pitch P | Average Tensile Strength Kg. | Bushing Dia | Width between inner link Plates | Link Plate |           | Pin     |            |      | Attachment Type. | Appx. Weight. kg/m |
|-----------|---------|------------------------------|-------------|---------------------------------|------------|-----------|---------|------------|------|------------------|--------------------|
|           |         |                              |             |                                 | Height     | Thickness | Pin dia | Pin length |      |                  |                    |
|           |         |                              | H           | W                               | F          | T         | D       | J          | K    |                  |                    |
| S188      | 66.27   | 11400                        | 22.20       | 27.00                           | 28.6       | 6.3       | 12.70   | 34.00      | 31.0 | K1,K2            | 5.7                |
| S131      | 78.11   | 18200                        | 31.75       | 31.75                           | 40.0       | 10.0      | 15.88   | 46.00      | 41.3 | K2               | 12.0               |
| S102B     | 101.60  | 18200                        | 25.40       | 54.00                           | 40.0       | 10.0      | 15.88   | 55.60      | 52.4 | K2               | 10.5               |
| S111      | 120.90  | 22800                        | 36.50       | 66.70                           | 50.0       | 10.0      | 19.05   | 65.90      | 59.5 | K2               | 16.5               |
| S110      | 152.40  | 18200                        | 31.75       | 54.00                           | 40.0       | 10.0      | 15.88   | 55.60      | 52.4 | K2               | 9.7                |
| S150      | 153.67  | 45400                        | 44.50       | 85.70                           | 63.5       | 12.7      | 25.40   | 81.75      | 77.0 | K2               | 25.0               |



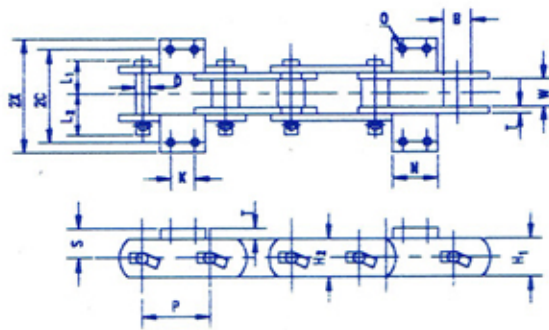
# ATTACHMENTS



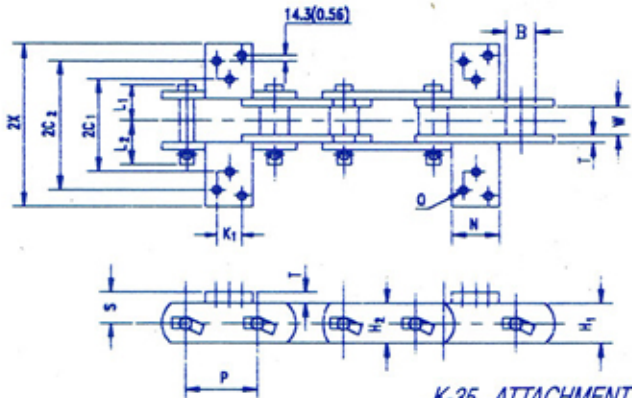
K-44 ATTACHMENT



K-443 ATTACHMENT



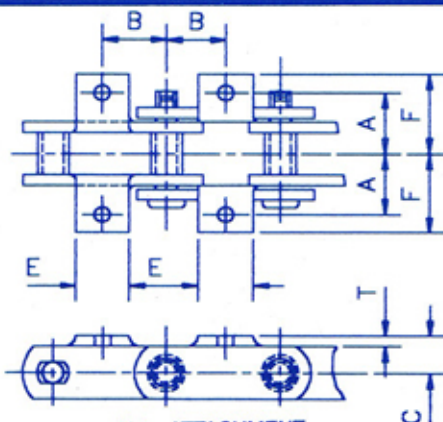
K-24 ATTACHMENT



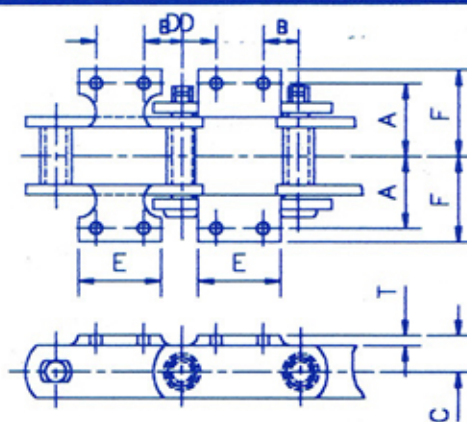
K-35 ATTACHMENT

| Attachment Style | Chain No. | Pitch P | ATTACHMENT |       |       |       |      |       |       |      |      | Appx. Add. Wt./Atch kg/m' |
|------------------|-----------|---------|------------|-------|-------|-------|------|-------|-------|------|------|---------------------------|
|                  |           |         | S          | 2C1   | 2C2   | 2X    | K1   | K2    | N     | T    | O    |                           |
| K-24             | 856       | 152.4   | 47.6       | 184.2 | -     | 241.0 | 63.5 | -     | 108.0 | 12.7 | 18.0 | 1.5                       |
| K-3              | 856       | 152.4   | 47.6       | 166.7 | 277.8 | 344.0 | 70.0 | -     | 108.0 | 12.7 | 15.0 | 2.8                       |
| K-35             | 856       | 152.4   | 47.6       | 184.2 | 298.5 | 344.0 | 63.5 | -     | 108.0 | 12.7 | 18.0 | 2.8                       |
| K-44             | 857       | 152.4   | 63.5       | 177.8 | 304.8 | 355.6 | 88.9 | 88.9  | 152.4 | 12.7 | 14.3 | 5.0                       |
| K-44             | 859       | 152.4   | 76.2       | 228.6 | 330.2 | 381.0 | 70.0 | 114.5 | 152.4 | 16.0 | 17.5 | 5.0                       |
| K-443            | 864       | 177.8   | 76.2       | 228.6 | 330.2 | 381.0 | 95.3 | 69.85 | 197.0 | 16.0 | 17.5 | 7.5                       |

All Dimensions are in mm.



K-1 ATTACHMENT

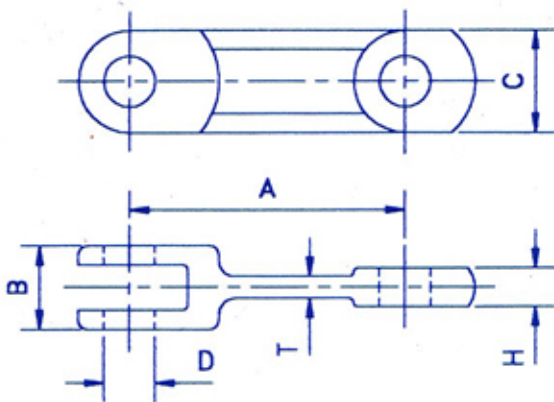


K-2 ATTACHMENT

| ATT. TYPE. | CHAIN NO. | ATTACHMENT |      |      |      |     |     |       |
|------------|-----------|------------|------|------|------|-----|-----|-------|
|            |           | A          | B    | C    | D    | E   | F   | T     |
| K1         | S 188     | 47.6       | 33.3 | 20.6 | -    | 54  | 65  | 6.35  |
| K2         | S 188     | 53.2       | 17.5 | 20.6 | 31.8 | 54  | 65  | 6.35  |
|            | S 131     | 52.4       | 19.8 | 27.0 | 38.1 | 64  | 75  | 10.00 |
|            | S 102B    | 67.5       | 28.6 | 27.0 | 44.5 | 70  | 86  | 10.00 |
|            | S 111     | 79.4       | 31.0 | 38.1 | 58.7 | 92  | 95  | 10.00 |
|            | S 110     | 67.5       | 54.0 | 28.6 | 44.5 | 76  | 86  | 10.00 |
|            | S 150     | 95.3       | 77.0 | 47.6 | 69.9 | 108 | 116 | 12.70 |



# SCRAPER CHAIN

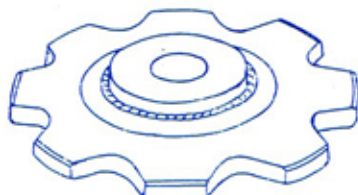


These Chains are manufactured from drop forged or cast steel link and heat treated to give increased wear performance and strength characteristics. Pins are made from carbon or alloy steel case hardened, centerless ground for added wear performance. Retention is normally by circlip at both end or as required.

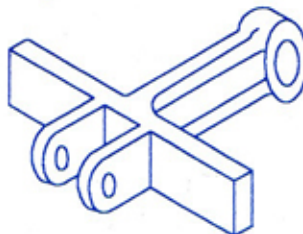
All Dimensions are in mm.

| CHAIN NO. | BREAKING LOAD. | PITCH A | WIDTH B | HEIGHT C | THICKNESS T | PIN D | THICKNESS H |
|-----------|----------------|---------|---------|----------|-------------|-------|-------------|
| 142 S     | 22000 KG       | 142     | 42      | 50       | 12          | 25    | 19          |
| 142 H     | 34000 KG       | 142     | 62      | 50       | 16          | 25    | 28          |

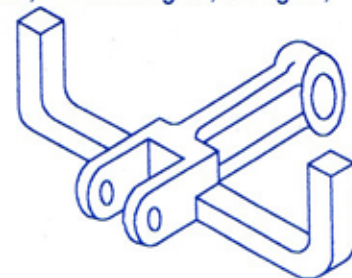
The Other Heavy Duty Chain Aren Available In Pitch 102 175, 260 mm center. This Chain Can Have T-Bar Flights, T-Plate Flights, U-Flights, O-Flights etc.



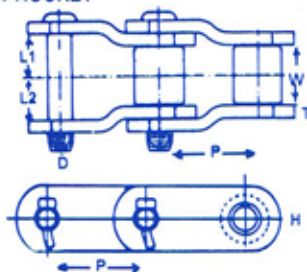
SPROCKET



T-CHAIN LINK ATTACHMENT



U-CHAIN LINK ATTACHMENT



## HEAVY DUTY OFFSET SIDEBAR CHAINS

This Chain is having greater shock resistance capacity. All parts are heat treated to endure heavy load and manufactured with high degree of accuracy. Heavy Duty Roller Chains are used in transmission of heavy plant, earth moving equipments like shovels, excavators, etc.

All Dimensions are in mm.

| Chain No. | Pitch    |        | Average Tensile Strength Kg. | Width between Roller Link Plates W | Roller R | Side Plate |      | Bearing Pin |       |                |                |
|-----------|----------|--------|------------------------------|------------------------------------|----------|------------|------|-------------|-------|----------------|----------------|
|           | (Inches) | (mm)   |                              |                                    |          | T          | H    | D           | L     | L <sub>1</sub> | L <sub>2</sub> |
| RO-1625   | 2.5      | 63.5   | 43.000                       | 38.9                               | 39.69    | 8.0        | 60.3 | 19.80       | 89.7  | 41.40          | 48.30          |
| RO-3H     | 3.075    | 78.11  | 39.700                       | 38.1                               | 31.75    | 9.5        | 41.5 | 15.88       | 92.5  | 43.05          | 49.45          |
| RO-4      | 4.063    | 103.20 | 63.500                       | 49.1                               | 44.45    | 12.7       | 54.0 | 22.23       | 127.2 | 56.85          | 65.35          |
| RO-5      | 4.063    | 103.20 | 63.500                       | 38.6                               | 44.45    | 12.7       | 54.0 | 22.23       | 111.7 | 51.60          | 60.10          |
| RO-635    | 4.5      | 114.30 | 113.000                      | 52.4                               | 57.15    | 14.5       | 76.0 | 27.90       | 135.5 | 64.25          | 71.25          |
| RO-1343   | 4.09     | 103.89 | 105.500                      | 49.2                               | 47.63    | 14.5       | 70.0 | 25.40       | 132.0 | 62.25          | 69.75          |
| RO-1345   | 4.09     | 103.89 | 105.000                      | 49.2                               | 50.80    | 14.5       | 70.0 | 25.40       | 132.0 | 62.25          | 69.75          |
| RO-1602   | 5.00     | 127.00 | 156.000                      | 70.0                               | 63.50    | 16.0       | 90.0 | 31.75       | 161.2 | 77.05          | 84.15          |

All Specifications in this Catalogue are subject to change without notice.

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**Meritt**

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