

# Leaf Chain

## Special design features

- High fatigue strength
- Long service life
- Maximum resistance to wear
- Compact design

### Benefits

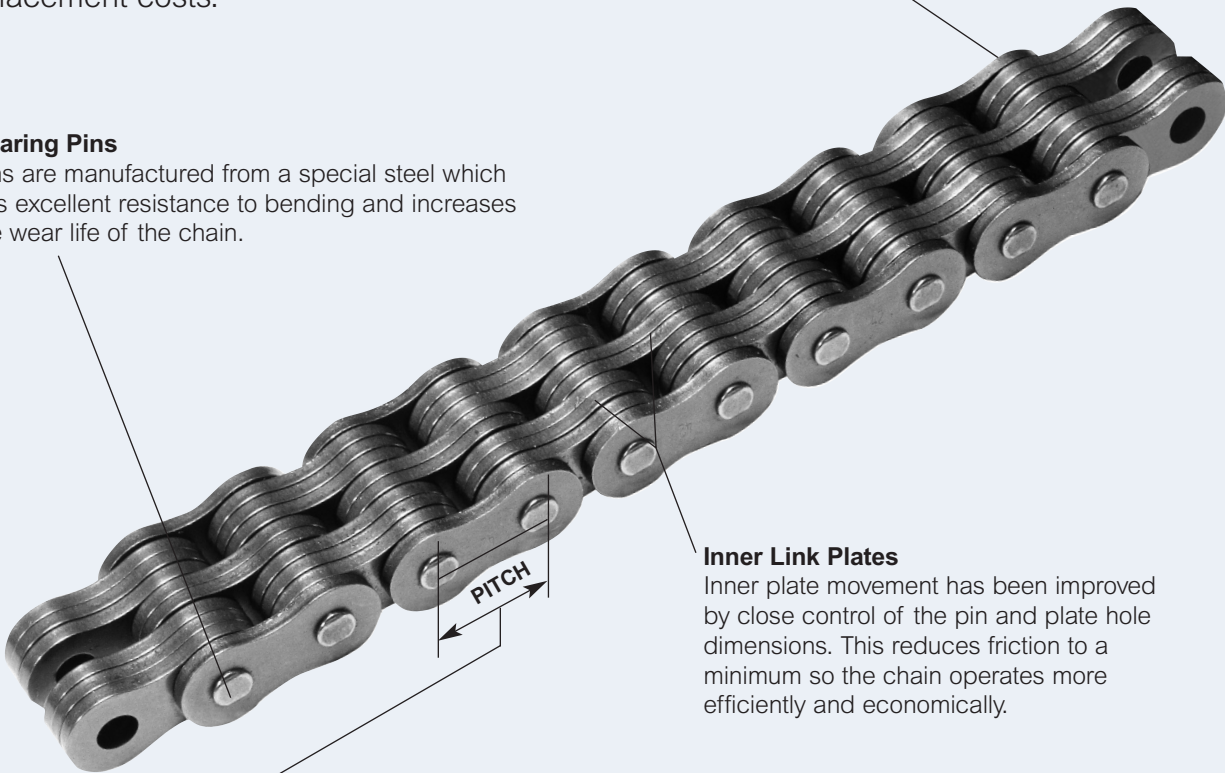
- Increased wear resistance for longer life and maintenance savings
- Higher breaking loads, giving greater safety factors and more reliability
- Improved fatigue resistance, which means increased durability and lower replacement costs.

#### Bearing Pins

Pins are manufactured from a special steel which has excellent resistance to bending and increases the wear life of the chain.

#### Link Plates

Plates are made from a special steel which can withstand sudden loads and provides maximum resistance to breakage.



#### Inner Link Plates

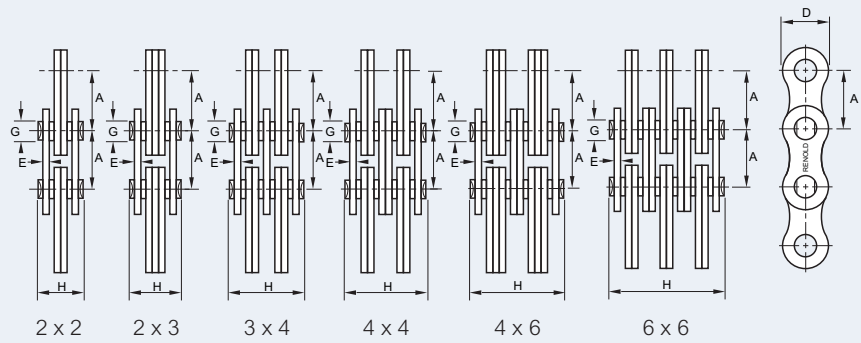
Inner plate movement has been improved by close control of the pin and plate hole dimensions. This reduces friction to a minimum so the chain operates more efficiently and economically.

#### Chain Pitch

Pitch accuracy and pin hole diameters are carefully maintained on every chain component during manufacture. This ensures consistent, precision performance and smooth movement of the chain joints.

AL Series Leaf Chain is made for light-duty applications.

NOTE: The ANSI standard organization discontinued the AL series and thus these chains may become more difficult to obtain in the future. Specify BL Series when designing new applications.



## AL Series Leaf Chain

Dimensions are in inches unless otherwise indicated.

| Chain No. | Pitch | Lacing | Plate Height Max | Plate Thickness Max | Pin Diameter Max | Pin Length Max | Renold Minimum Tensile Strength | Average Chain Weight |
|-----------|-------|--------|------------------|---------------------|------------------|----------------|---------------------------------|----------------------|
|           | A     |        | D                | E                   | G                | H              | Lbs                             | Lbs/Ft               |
| AL422     | 0.500 | 2x2    | 0.382            | 0.061               | 0.156            | 0.315          | 3,822                           | 0.269                |
| AL444     | 0.500 | 4x4    | 0.382            | 0.061               | 0.156            | 0.583          | 7,643                           | 0.470                |
| AL466     | 0.500 | 6x6    | 0.382            | 0.061               | 0.156            | 0.831          | 11,465                          | 0.739                |
| AL544     | 0.625 | 4x4    | 0.504            | 0.080               | 0.200            | 0.740          | 13,038                          | 0.739                |
| AL566     | 0.625 | 6x6    | 0.504            | 0.080               | 0.200            | 1.071          | 20,232                          | 1.142                |
| AL588     | 0.625 | 8x8    | 0.504            | 0.080               | 0.200            | 1.417          | 26,077                          | 1.478                |
| AL622     | 0.750 | 2x2    | 0.602            | 0.096               | 0.234            | 0.496          | 8,992                           | 0.504                |
| AL644     | 0.750 | 4x4    | 0.602            | 0.096               | 0.234            | 0.882          | 17,984                          | 1.115                |
| AL666     | 0.750 | 6x6    | 0.602            | 0.096               | 0.234            | 1.280          | 26,976                          | 1.666                |
| AL822     | 1.000 | 2x2    | 0.795            | 0.120               | 0.312            | 0.614          | 16,410                          | 0.974                |
| AL844     | 1.000 | 4x4    | 0.795            | 0.120               | 0.312            | 1.110          | 32,596                          | 2.009                |
| AL866     | 1.000 | 6x6    | 0.795            | 0.120               | 0.312            | 1.606          | 44,960                          | 2.936                |
| AL888     | 1.000 | 8x8    | 0.795            | 0.120               | 0.312            | 2.102          | 60,696                          | 3.964                |
| AL1044    | 1.250 | 4x4    | 0.996            | 0.158               | 0.375            | 1.441          | 44,960                          | 3.030                |
| AL1066    | 1.250 | 6x6    | 0.996            | 0.158               | 0.375            | 2.087          | 67,440                          | 4.522                |
| AL1244    | 1.500 | 4x4    | 1.209            | 0.191               | 0.437            | 1.709          | 82,726                          | 4.529                |
| AL1266    | 1.500 | 6x6    | 1.209            | 0.191               | 0.437            | 2.500          | 82,726                          | 6.786                |