

## Freedom Series® Maintenance Free Chain



Freedom Series® Self Lubricating maintenance free chains offer premium performance and value. These chains feature the addition of a roller for reduced friction, smoother operation over sprockets and specially coated pins and link plates for improved wear life and rust prevention.

PT-Type series are made with slightly modified dimensions to achieve the same strength and working load values as standard ASME/ANSI chains. This allows direct replacement for many slow to moderate speed drive chains. The PT-Type is available in single strand construction only and will operate on standard sprocket tooth forms.

### Features

No Secondary lubrication required

Same strength as standard chain

Specially treated pin surface:

Solid Rollers

Fits existing sprockets.

Black Oxide Link plates

### Benefits

Clean work area

Direct size replacement for most applications.

Improved wear life.

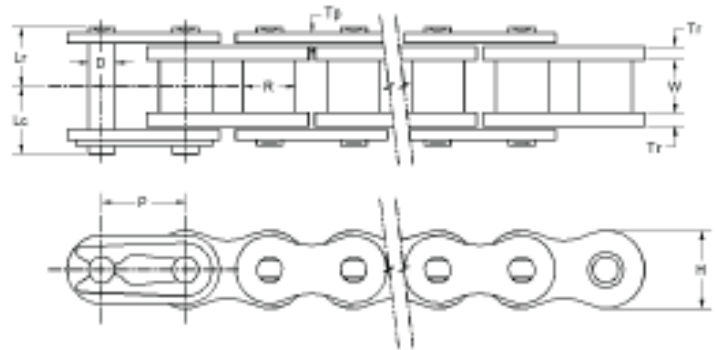
Smooth action over sprockets.

No special sprockets.

Resists corrosion.

Operating Temperature: 4°F - 160°F

Available in Nickel Plate and Perfect Coat Plus



### Freedom Series® PT-Type Specifications

| Chain Number | Chain Dimensions Are Given In Inches |                |                   |                |                           |                        |                     |                    |                    | Rated Working Load (Lbs) | Average Ultimate Strength (Lbs) | Average Chain Weight (Lbs/Ft) |
|--------------|--------------------------------------|----------------|-------------------|----------------|---------------------------|------------------------|---------------------|--------------------|--------------------|--------------------------|---------------------------------|-------------------------------|
|              | Chain Pitch P                        | Inside Width W | Roller Diameter R | Pin Diameter D | Roller Plate Thickness Tr | Pin Plate Thickness Tp | Link Plate Height H | Riv. Pin Length Lr | Cot. Pin Length Lc |                          |                                 |                               |
| 40FS         | 1/2                                  | 0.312          | 0.312             | 0.156          | 0.080                     | 0.060                  | 0.463               | 0.350              | 0.400              | 820                      | 4,300                           | 0.46                          |
| 50FS         | 5/8                                  | 0.375          | 0.400             | 0.200          | 0.094                     | 0.080                  | 0.577               | 0.425              | 0.485              | 1,410                    | 7,200                           | 0.72                          |
| 60FS         | 3/4                                  | 0.500          | 0.469             | 0.234          | 0.125                     | 0.094                  | 0.691               | 0.545              | 0.615              | 1,940                    | 9,700                           | 1.15                          |
| 80FS         | 1                                    | 0.625          | 0.625             | 0.312          | 0.156                     | 0.125                  | 0.921               | 0.680              | 0.790              | 3,300                    | 17,600                          | 1.80                          |
| 100FS        | 1 1/4                                | 0.750          | 0.750             | 0.375          | 0.187                     | 0.156                  | 1.154               | 0.805              | 0.955              | 5,080                    | 26,500                          | 2.85                          |