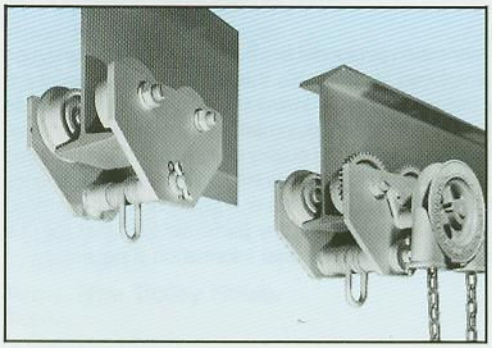
# Plain and Geared Trolleys

## *Model 80 Trolleys*

WRIGHT®



The Model 80 trolley's compact design provides easy maintenance and long service life in industrial, construction and maintenance applications on bridge cranes and monorails.

The steel side plates adjust for a range of beam flanges and self align for even load distribution. Short wheel base allows curve beam operation. The side plates extend past the wheels as bumpers.

The geared trolley has a cast handwheel, chain guide and operating chain, and two plain and two geared wheels. Geared trolleys precisely spot the load and are recommended for beams over 16 feet above the floor.

## Construction Features

### Side Frame

Side plates are rolled steel.

### Wheels

½ to 2 tons capacity; 4 inch diameter, flanged, dual tread, heat-treated gray iron, will operate on American Standard "S" shape (sloped flange), wide flange "W" shape (flat flange) or patented track 3, 3.25 or 3.33 inch (flat flange) beams.

3 and 4 tons capacity; 5 inch diameter, flanged, forged steel available with tapered tread to operate on American Standard "S" shape (sloped flange) or flat tread to operate on wide flange "W" shape (flat flange) adjustable within ranges shown.

5 to 10 tons capacity; 6 inch diameter, flanged, forged steel available with tapered tread to operate on American Standard "S" shape (sloped flange) or flat tread to operate on wide flange "W" shape (flat flange) adjustable within ranges shown.

### Field Assembly

Up to 2 tons, the trolleys are preboxed and can be shipped from stock locations direct to customer's location. Included with trolley are installation instructions detailing easy attachment to customer's hook suspended hoist. Trolley, when ordered with hook suspended hoist, will be shipped separate of the hoist and requires attachment to hoist at jobsite.

### Bearings

½ to 2 tons capacity; single row ball bearings, shielded and lifetime lubricated.

3 to 10 tons capacity; two single row ball bearings, shielded and lifetime lubricated.

### Handwheel and Chain

The iron handwheel has deep cast pockets to accurately fit the close link, zinc plated hand chain.

### Suspension Clevis

Formed oval link, or burned from rolled steel plate with hole to accept hoist hook.

## Specifications

| Capacity (tons) | Trolley Type | Product Number: Standard Beam | Product Number: Wide Flange Beam | Flange Width Range (in.) | Minimum** Radius Curve (in.) | Net Weight (lbs.) | Pull* to Travel Fully Loaded (lbs.) | Overhaul to Travel One Foot (ft.) | Hand* Chain Reach From I Beam (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| ½ - 1 | Plain | 1610000 | 1610000 | 3 - 5⅝ | 36 | 43 | 30 | — | — |
| | | 1610010 | 1610010 | 4¼ - 6⅝ | | 44 | | | |
| 1½ - 2 | Plain | 1610020 | 1610020 | 3¼ - 7 | 36 | 51 | 60 | — | — |
| | | 1610030 | 1610030 | 5 - 8⅝ | | 53 | | | |
| 3 - 4 | Plain | 1610040 | 1610100 | 4 - 6½ | 42 | 100 | 120 | — | — |
| | | 1610050 | 1610110 | 6½ - 9 | | 105 | | | |
| 5 - 6 | Plain | 1610060 | 1610120 | 4⅝ - 7⅛ | 54 | 175 | 180 | — | — |
| | | 1610070 | 1610130 | 7¼ - 9¾ | | 181 | | | |
| 8 - 10 | Plain | 1610080 | 1610140 | 5 - 7¼ | 54 | 218 | 240 | — | — |
| | | 1610090 | 1610150 | 7½ - 9¾ | | 225 | | | |
| ½ - 1 | Geared | 1610160 | 1610160 | 3 - 5 | 36 | 58 | 10 | 3½ | 8'0" |
| | | 1610170 | 1610170 | 4¼ - 6 | | 59 | | | |
| 1½ - 2 | Geared | 1610180 | 1610180 | 3¼ - 6⅜ | 36 | 68 | 20 | 3½ | 8'6" |
| | | 1610190 | 1610190 | 5 - 8 | | 70 | | | |
| 3 - 4 | Geared | 1610200 | 1610260 | 4 - 6½ | 42 | 131 | 23 | 5½ | 9'3" |
| | | 1610210 | 1610270 | 6½ - 9 | | 136 | | | |
| 5 - 6 | Geared | 1610220 | 1610280 | 4⅝ - 7⅛ | 54 | 209 | 35 | 5¼ | 9'6" |
| | | 1610230 | 1610290 | 7¼ - 9¾ | | 215 | | | |
| 8 - 10 | Geared | 1610240 | 1610300 | 5 - 7¼ | 54 | 261 | 45 | 6½ | 12'3" |
| | | 1610250 | 1610310 | 7½ - 9¾ | | 268 | | | |

* Hand Chain reach and hand chain pull shown are for maximum capacity in each group.
** Minimum radius curve shown is for minimum size I beam.
Spark resistant trolleys on application.

## Dimensions (Inches)

| Capacity (tons) | Trolley Type | A | B | C | D | E | F | G | H | I | J | K | L | M | N | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ½ - 1 | Plain | 5½ | 5½ | 2¼ | 5¾ | 2¾ | 2¾ | 4⅜ | ⅞ | 1 1/16 | 1⅛ | 1½ | ½ | 3¼ | 3 3/16 | 4 |
| 1½ - 2 | Plain | 5½ | 5½ | 2¼ | 6½ | 2¾ | 2¾ | 4⅜ | 1¼ | 1½ | ½ | 1⅜ | ½ | 3¼ | 3½ | 4 |
| 3 - 4 | Plain | 7 | 7 | 3⅜ | 7¾ | 3½ | 3½ | 5⅝ | 1½ | 1¼ | 1¼ | 2½ | ¾ | 4⅜ | 4¼ | 5 |
| 5 - 6 | Plain | 8 | 8 | 4¾ | 8¾ | 4 | 4 | 6⅝ | 1¾ | 1 3/16 | 1¼ | 2¾ | ⅞ | 5⅜ | 5⅛ | 6 |
| 8 - 10 | Plain | 8 | 8 | 5 | 10⅝ | 4 | 4 | 6⅝ | 2 | 1¼ | 1¾ | 3½ | 1⅛ | 5⅜ | 6¼ | 6 |
| ½ - 1 | Geared | 5½ | 5½ | 2¼ | 5¾ | 2¾ | 2¾ | 4⅝ | 7⅜ | 1 1/16 | 1⅛ | 1½ | ½ | 3¼ | 3 3/16 | 4 |
| 1½ - 2 | Geared | 5½ | 5½ | 2¼ | 6½ | 2¾ | 2¾ | 4¾ | 7⅜ | 1½ | ½ | 1⅜ | ½ | 3¼ | 3½ | 4 |
| 3 - 4 | Geared | 7 | 7 | 3⅜ | 7¾ | 3½ | 3½ | 5¾ | 7¼ | 1¼ | 1¼ | 2½ | ¾ | 4⅜ | 4¼ | 5 |
| 5 - 6 | Geared | 8 | 8 | 4¾ | 8¾ | 4 | 4 | 6¾ | 7⅝ | 1 3/16 | 1¼ | 2¾ | ⅞ | 5⅜ | 5⅛ | 6 |
| 8 - 10 | Geared | 8 | 8 | 5 | 10⅝ | 4 | 4 | 6⅞ | 8⅝ | 1¼ | 1¾ | 3½ | 1⅛ | 5⅜ | 6¼ | 6 |