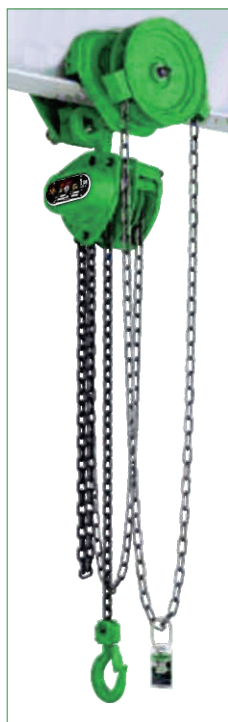
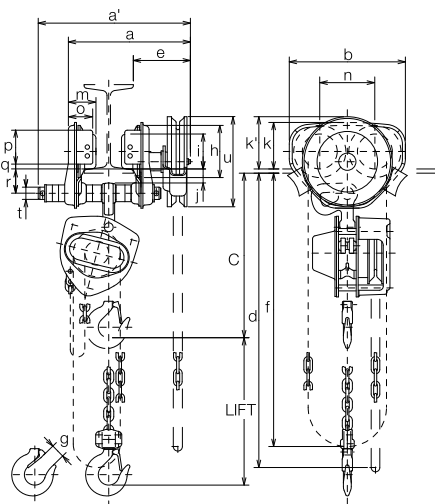


# TROLLEY-CONNECTED HOIST



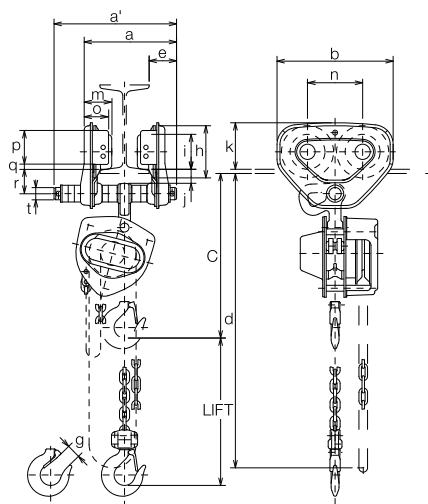
**GEARED TYPE**



**PLAIN TYPE**



Top Hook mounted on Suspender



## SPECIFICATIONS

| Rated Load (W.L.L.) (T) | Code  | Std. Lift (m) | Hand Chain Folded Length (m) | Load Chain Dia. x Chain Fall (mm) | Test Load (T) | Mass (Net Weight) (kg) | Mass [weight] in kg for Additional One Meter of Lift (kg) |
|-------------------------|-------|---------------|------------------------------|-----------------------------------|---------------|------------------------|-----------------------------------------------------------|
| 0.5                     | MB005 | 3.0           | 3.0                          | 5.0 x 1                           | 0.75          | 20.1                   | 0.3                                                       |
| 1                       | MB010 | 3.0           | 3.0                          | 6.0 x 1                           | 1.5           | 27.2                   | 0.6                                                       |
| 3                       | MB030 | 3.0           | 3.0                          | 10 x 1                            | 4.5           | 67                     | 2                                                         |
| 5                       | MB050 | 3.0           | 3.0                          | 10 x 2                            | 7.5           | 82.3                   | 4                                                         |
| 7.5                     | MB075 | 3.0           | 3.0                          | 10 x 3                            | 11.25         | 127                    | 6                                                         |
| 10                      | MB100 | 3.0           | 3.0                          | 10 x 4                            | 15            | 149                    | 8                                                         |
| 15                      | MB150 | 3.0           | 3.0                          | 10 x 6                            | 22.5          | 269                    | 12                                                        |
| 20                      | MB200 | 3.0           | 3.0                          | 10 x 8                            | 30            | 316                    | 16                                                        |

- MB and PP mean the T2 Series Chain Pulley Block connected with the T2 Series geared trolley and plain trolley respectively.
- Figures in parentheses show the data for the plain trolley. Other data are the same for both the plain and geared trolleys.
- The data for the standard I-beam width and the minimum radius for a curve is the same data as that shown on page 9.
- 15 ton-and-over capacity trolleys have 6-8 wheel construction.
- 30 ton-and-over capacity versions are available by request.

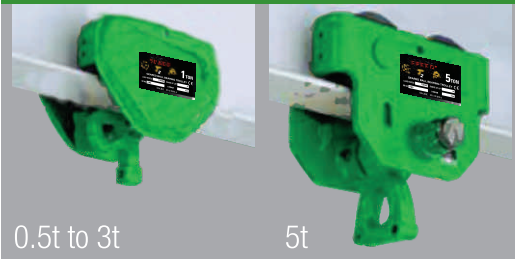
## DIMENSIONS (mm)

| Rated Load (W.L.L.) (T) | Head room :C | a (Max)  | a        | b        | d    | e      | f    | g    | h       | i      | j      | k      | k   | m        | n       | o      | p      | q  | r      | t      | u   |
|-------------------------|--------------|----------|----------|----------|------|--------|------|------|---------|--------|--------|--------|-----|----------|---------|--------|--------|----|--------|--------|-----|
| 0.5                     | 305(295)     | 275(173) | 309(204) | 236(182) | 2500 | 16(46) | 2300 | 27   | 106(82) | 71(60) | 28(19) | 95(76) | 106 | 56(47.5) | 112(84) | 50(42) | 69(54) | 10 | 50(38) | 25(22) | 183 |
| 1                       | 305          | 275(215) | 309(249) | 236      | 2500 | 16(56) | 2300 | 29   | 106     | 71     | 28     | 95     | 106 | 56       | 112     | 50     | 69     | 10 | 50     | 25     | 183 |
| 2                       | 380          | 349(218) | 385(300) | 280      | 3000 | 54(69) | 2800 | 36   | 127     | 85     | 34     | 112    | 109 | 71       | 131     | 63     | 83     | 10 | 62     | 32     | 183 |
| 3                       | 535          | 359(280) | 385(320) | 324      | 3100 | 57(79) | 2800 | 42.5 | 148     | 100    | 36     | 134    | 114 | 80       | 152     | 74     | 102    | 10 | 68     | 36     | 183 |
| 5                       | 660          | 377(273) | 401(297) | 400      | 3600 | 56(53) | 3300 | 46.5 | 169     | 118    | 47     | 144    | 131 | 81       | 178     | 70     | 104    | 10 | 88     | 54     | 183 |
| 7.5                     | 870          | 443      | 595      | 180      | 4300 | 182    | 3700 | 72.5 | 185     | 155    | 53     | 170    | 165 | 120      | 196.5   | 104    | 89     | 8  | 153    | 70     | 214 |
| 10                      | 860          | 443      | 595      | 180      | 4300 | 182    | 3700 | 72.5 | 185     | 155    | 53     | 170    | 165 | 120      | 196.5   | 104    | 89     | 8  | 153    | 70     | 214 |
| 15                      | 1150         | 454      | 677      | 1000     | 4800 | 182    | 4200 | 80   | 185     | 155    | 62     | 170    | 165 | 120      | 716.5   | 104    | 89     | 8  | 203    | 80     | 214 |
| 20                      | 1310         | 454      | 677      | 1000     | 4900 | 182    | 4200 | 81   | 185     | 155    | 62     | 170    | 165 | 120      | 716.5   | 104    | 89     | 8  | 203    | 80     | 214 |

- Figures in ( ) are for PLAIN TYPE, Others are same as GEARED TYPE.

# Speed Universal Trolleys T2 Series

## PLAIN TYPE



•Shape of the Suspender for 3t is similar to the shape of the Suspender for 5t.

## GEARED TYPE

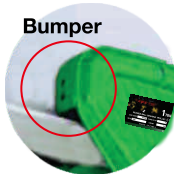


•Shape of the Suspender for 3t is similar to the shape of the Suspender for 5t.

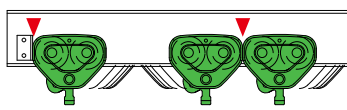
## SMOOTH AND RELIABLE OPERATION

### Mumpers & Buffers

**SPEED's** T2 Series Trolleys have bumpers, which fix trolley surely on the beam and guard against damage to a trolley and wheels arising from a collision with the stopper or between two trolleys. Buffers are available as option to install on the bumpers. Also, extended arms are available as option to install on the bumpers to help prevent damage to a hoist from collision from a hoist suspended on trolleys on the same beam.

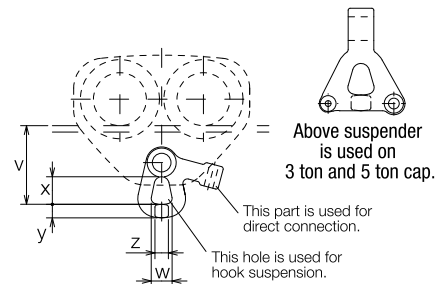
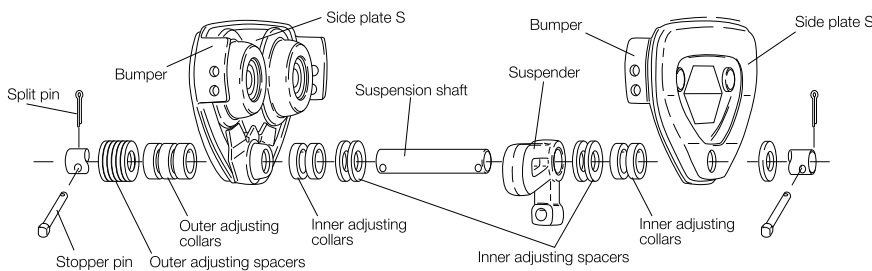


Buffer is prepared as an option.



### Accommodates a Wide Selection of Beam Widths

Trolleys are adjustable for various widths of both tapered and flat flanges by changing the adjustable spacers. They can also fit on beams of up to 305 mm flange width by replacing the suspension shaft, spacers and associated parts



### Light and Compact Models

**SPEED's** years of trolley design experience make it possible to produce light and compact trolleys.

### Improved Track Wheel Durability

**SPEED's** unique press process and heat treatment ensure high track wheel strength, leading to improved reliability and performance.

### Specially Contoured Wheels Provide Security

This trolley maintains secure contact between wheels and flange surfaces even under highly variable load weights thanks to the carefully designed contours of the steel trolley wheels

### Pivot Mounted Side Plates Ensure Even Weight Distribution

Both side plates are pivot mounted so that trolleys can move freely at adequate angles to the flange surface in spite of welded joints the might otherwise cause uneven weight distribution on the four wheels.

### Ball Bearing Wheels Offer High Performance

High - grade, zero - lubrication sealed ball bearings are used on all wheels for smooth and reliable operation.

## SPECIFICATIONS

| Rated Load<br>(W.L.L.)<br>(T) | Code            |                   | Flange Width Adjustability (mm) |            |            | Min Radius<br>for Curve<br>(M) | Mass<br>(Net Weight)<br>(kg) |      | Hand Chain<br>Folded<br>Length<br>(m) | Dimensions (mm)                                                                             |    |    |        |        |
|-------------------------------|-----------------|-------------------|---------------------------------|------------|------------|--------------------------------|------------------------------|------|---------------------------------------|---------------------------------------------------------------------------------------------|----|----|--------|--------|
|                               | Plain<br>Trolle | Geared<br>Trolley | Standard                        | Option     |            |                                | TSP                          | TSG  |                                       | v                                                                                           | w  | x  | y      | z      |
|                               |                 |                   |                                 | W 20*      | W 30*      |                                |                              |      |                                       |                                                                                             |    |    |        |        |
| 0.5                           | PPT005          | GT005             | 50 to 102                       | 103 to 203 | 204 to 305 | 0.8                            | 10                           | 10.5 | 3.0                                   | 75                                                                                          | 32 | 28 | 14(18) | 14(18) |
| 1                             | PPT010          | GT010             | 58 to 127                       | 128 to 203 | 204 to 305 | 0.9                            | 14.5                         | 16   | 3.0                                   | 96                                                                                          | 40 | 32 | 18     | 18     |
| 2                             | PPT020          | GT020             | 82 to 153                       | -----      | 154 to 305 | 1.0                            | 22                           | 34   | 3.0                                   | 109                                                                                         | 52 | 42 | 22     | 22     |
| 3                             | PPT030          | GT030             | 82 to 153                       | -----      | 154 to 305 | 1.2                            | 34                           | 38   | 3.0                                   | 124                                                                                         | 63 | 52 | 24     | 30     |
| 5                             | PPT050          | GT050             | 100 to 178                      | -----      | 179 to 305 | 1.3                            | 47                           | 83   | 3.0                                   | 142                                                                                         | 74 | 62 | 33     | 36     |
| 7.5                           | -----           | GT075             | 150 to 220                      | -----      | 221 to 305 | 2.0                            | 77                           | 94   | 3.0                                   |                                                                                             |    |    |        |        |
| 10                            | -----           | GT100             | 150 to 220                      | -----      | 221 to 305 | 2.0                            | 88                           | 170  | 3.0                                   |                                                                                             |    |    |        |        |
| 15                            | -----           | GT150             | 150 to 220                      | -----      | 221 to 305 | 3.5                            | 163                          | 174  | 3.0                                   | connection with T2 Series is hook suspension<br>type for 7.5 ton and over cap. as standard. |    |    |        |        |
| 20                            | -----           | GT200             | 150 to 220                      | -----      | 221 to 305 | 3.5                            | 165                          | 337  | 3.0                                   |                                                                                             |    |    |        |        |

•Figures in ( ) are for GT005. •\*: W20 and W30 mean 203 and 305mm flange width adjustability as option.

•In case of 7.5t and over capacity, trolley wheels for tapered flange are optional. Wheels for flat flanges are available as option. If you prefer wheels for flat flanges, please specify it in advance.

•In case of only straight I-beam, 0.5ton plain trolley can be used on 57mm and less width beam and 1ton plain trolley and geared trolley can be used on 73mm and less width beam and 2.5 & 3ton plain and geared trolley can be used on 89mm and less.