INDUSTRIAL CURTAIN TROLLEYS

Trolleys are available in both nylon wheels and steel ball bearing wheels. Nylon wheels roll better with extremely light curtains. When the curtain weight exceeds 100 pounds or the curtain height is over 15 feet steel ball bearing wheels should be used to allow the curtain to roll easily and close more fully.

Two wheel trolleys with bumpers should be used in applications where the wheels of consecutive bumperless trolleys would rub together with enough force to resist free and easy rolling action. Normally the stiffness of the curtains top hem is sufficient to push the curtain along. One situation where trolleys with bumpers are needed is when the curtain is suspended by chain from a track mounted to a high ceiling.

Four wheel trolleys roll more easily than two wheel trolleys on heavy curtains that receive rough handling.

The overlapping trolleys are used when an opening in the center of the doorway is desired. When used with curves the overlap must be on the outside of the curve.

Pull rope trolleys should be used on curtains higher than eight feet. They are used to prevent fabric damage caused by tugging on the material and they allow the curtain to close more fully. Polypropylene hollow braid rope with a 3/8 inch diameter is used. There are two holes on each end of the pull rope trolley. This allows consistent curtain grommet positioning with either the ½ inch or 1 inch trolley hooks. A screw, nut and 1¼ inch outside diameter washer are provided for securing the curtain to this trolley. The lead trolley hole should be secured to the curtain to allow the curtain to close more fully.
**END STOPS**

End Stops are used to prevent trolleys from rolling out of the ends of the track system. The 16ES End Stop is bolted to the hole at the top of the 16RT Roller Track. The ES End Stop slides in from the end of the track. The two legs of the ES End Stop fit in the two rolling surfaces of the track. The ES will close track to rollers in all fittings and at any point at or away from the end of the track. This can be put in a ceiling mounted track from the underside without requiring the track to be lowered. A 3/16 inch hex key tightens the ES End Stop.
UNMOUNTED TRACK & ACCESSORIES

The roller track is roll formed from 16 gauge hot dipped galvanized steel. The trolley wheels roll on the track floor between the outside track wall and the inside safety flange. The safety flange formed toward the inside of the track provides better wheel guidance than track without this extra flange. The ends of the track are punched so that the track splices can lock two adjoining track ends together. The beveled entry combined with the downward aligning pressure from the track splices provide a very smooth transition across the track joint.

Stock track lengths are 10 feet and 20 feet. Consult factory if other lengths are desired.

<table>
<thead>
<tr>
<th>ROLLER TRACK</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>16RT-120</td>
<td>10'0&quot;</td>
</tr>
<tr>
<td>16RT-240</td>
<td>20'0&quot;</td>
</tr>
</tbody>
</table>

The standard curve has end connectors for securing to adjacent sections of 16RT Roller Track. The standard curves have a 2 foot radius and are 90 degrees. Consult factory if larger radius curves are required.

TRACK SUPPORT HARDWARE: OVERVIEW

The splices, curves and end mounts have half dog set screws that lock into a hole in the end of the track (use a 3/16 inch hex key). The screw pushes the track against the bottom of the splice providing a very smooth alignment between the rolling surfaces on the two adjoining sections of track. These splices make the installation quicker because the smooth transition between track sections is achieved so easily. Smooth transitions between track sections will extend the vinyl strip and curtain life by eliminating hangups at splice points which decreases tugging on the material.

The track brackets used between splice points open up to eliminate the time consuming process of sliding the bracket over the track to the point where the track is supported. The track can be attached to the brackets before or after the support brackets are attached to the mounting surface. These track brackets fit over both straight track and curved track.

Please see the enclosed track capacity and deflection charts at the end of this brochure.

WALL & END MOUNT HARDWARE

Wall mount hardware is used when the track system is running adjacent to a wall. The wall mount down is used to mount track at the ceiling level. The wall mount up is used to mount track just above door openings. The end mounts are used when the track is perpendicular to a wall and the end of the track is flush with the wall.
BEAM OR CHAIN SUPPORT HARDWARE

These supports can be bolted to a beam or the side of a small bar. When there are no easily accessible structures near the track, a chain and s-hook assembly can be secured to a structure near the ceiling of the building and significantly above the track system.
CEILING SUPPORT HARDWARE

Track can be attached to the ceiling support hardware either before or after it is secured to the ceiling. There are no screws or nuts to hold the track in place protruding above the mounting plates. This eliminates the need for spacers or clearance holes in the ceiling. Ceiling support mounting plates (except the 16TBC) have bosses to lock the track to the ceiling support mounting hardware. When the 16TB3WC is used at the center of a length of track, flatten the bosses that are provided for securing the track ends.

16CT3C Curved Track Ceiling
16TSC Track Splice Ceiling
16TBC Track Bracket Ceiling
16TBRAC Track Bracket Right Angle Ceiling
16TB3WC Track Bracket 3 Way Ceiling

FLOOR SUPPORT HARDWARE

This hardware lets you support the track and universal mount strip door hardware from the floor. The B2367-1 Splice/Floor Support and B941-1 Corner Floor Support are used with the universal mount strip door hardware. The A256-* columns are 1-1/4 inch square by 12 gauge wall tubes. The A256-* columns telescope over the tubes on the track supports and base plates. The BS12 Base Plates are 12 inch squares and are made from 1/4 inch thick plates. The BS6 Base Plates are 6 inch squares and are made from 3/16 inch thick plates.
**THREADED ROD SUPPORT HARDWARE**

When there are no easily accessible structures near the track a threaded rod assembly can be secured to these supports. The threaded rod can be secured to a structure near the ceiling of the building and significantly above the track system. The A3242-1 coupling nut is used to secure two adjacent lengths of threaded rod.

The 16TBTR Track Bracket Threaded Rod can be secured to a 16CT Curved Track when curved systems are used. The A3120-2 Edge Clamp is used to secure threaded rod to the edge of a roof truss section, beam or channel.

- **16TBRAF** Track Bracket
  - Right Angle Floor

- **16TB3WF** Track Bracket
  - 3 Way Floor

- **B2367-1** Splice/Floor Support

- **B941-1** Corner Floor Support

- **BS6** Base Plate, 6" x 6" x 3/16"
- **BS12** Base Plate, 12" x 12" x 1/4"

- **A256-6** 6'0"
- **A256-8** 8'0"
- **A256-10** 10'0"
- **A256-7** 7'0"
- **A256-9** 9'0"

- **16TSTR** Track Splice Threaded Rod
- **16TBTR** Track Bracket Threaded Rod

- **A3238-10** Threaded Rod 3/8 x 16
  - 10 Feet Long
**BEAM FLANGE SUPPORT HARDWARE**

Flange support hardware is available to permit attachment with edge clamps and set screws to edges of roof truss sections, beams and channels. The edge clamps can be rotated for alignment to the supporting structure. No drilling is necessary. The 16TBEC Track Bracket Edge Clamp can be secured to a 16CT Curved Track when curved systems are used.

16TBEC Track Bracket Edge Clamp

16TSEC Track Splice Edge Clamp

16TBAEC Track Bracket Right Angle Edge Clamp

16TB3WEC Track Bracket 3 Way Edge Clamp

**DOUBLE TRACK SUPPORT HARDWARE**

The following parts are available for double track systems. When end mounts are needed use two 16EMD End Mount Downs or 16EMU End Mount Ups adjacent to each other. Consult factory if other double track support hardware is required.

16TSDBL Track Splice

16TSMDDBL Track Splice Wall Mount Down
HEAVY DUTY CURTAIN HARDWARE

Heavy duty hardware should be used when the curtain material is very heavy or when an extra safety factor is desired. The roller track is roll formed from 12 gauge hot dipped galvanized steel. You can increase your support spacing to decrease the number of support points and save installation time. Please see the enclosed track capacity and deflection charts at the end of this brochure. The 12 gauge curves have a 2 foot 3 inch radius and a 6 inch straight section of track at each end. The following parts are stock items. Many items previously shown (e.g., ES End Stop) can be used with the heavy duty curtain hardware. Consult factory if other heavy duty hardware is required.