

## ABOUT CURTAIN TRACKS IN GENERAL:

Curtain tracks are used to support and move curtains, draperies, and scenery for decorative purposes and to mask (hide) offstage areas, theatrical equipment, and lighting from view of the audience. Both straight and curved track systems are available to solve a variety of situations.

## THREE BASIC TYPES OF CURTAIN TRACKS:

**1. BI-PARTING TRAVERSE** tracks are designed so that the curtain parts in the center of the track and stores at both ends of the track. Curtain halves usually overlap each other in the center to provide proper closure. Special versions consist of a single straight track section with special master carriers with arms to provide the center closure. Hand pulled or machine pulled operation is possible.

**2. SINGLE DRAW** tracks are designed so that the curtain travels only to one end of the track for storage. Single draw tracks are usually used for side masking (leg) curtains to move the curtains to permit scenery to be moved on and off stage. Single draw tracks are also used for acoustical control curtains in auditoriums. Hand pulled or machine pulled operation is possible.

**3. WALK-A-LONG** tracks are designed so that the curtain is pulled along the track by a person walking along the floor. This type track is often used to support room divider curtains, TV cyclorama curtains, and masking curtains. Another popular use is to move scenic drops on or off stage to change backgrounds where the height above the stage is not available to fly (raise) the scenery out of sight. Walk-a-long tracks may be straight or formed into curved layouts with reverse or serpentine curves. Walk-a-long tracks do not include any operating cords, and are for manual operation only.

**Individual parts  
are available  
for all tracks  
for repairs,  
additions, or  
modifications**

## CURTAIN WEIGHT:

The size and weight of curtains is an important consideration in selecting a track. Tracks with larger wheels will support more weight than smaller tracks. Wheels with ball-bearings will roll easier than standard wheels.

## DETERMINING LENGTH OF TRACK:

Most tracks require additional length for storing (stacking) the curtain. For Bi-Parting Traverse tracks, add to the desired width of the curtain opening an amount approximately 10% (or a minimum of 2') to create the center track overlap; and add approximately 20% to allow for the combined storage area at both ends of the track. The total track length will become approximately 30% greater than the curtain opening. For single draw tracks which store the curtain offstage, add approximately 20% to the width of the curtain for storage space. Some tracks, due to space limitations, are the same width as the curtain.

## ABOUT CURVED TRACKS:

A curved track will require more effort than a straight track to open and close the curtain. A motorized curtain machine may be required to successfully operate a curved track. Curved tracks generally require fabrication of the track in our shop. A drawing of the track layout with dimensions will be required prior to quoting a price or fabrication.

## ORDERING CURTAIN TRACKS:

Tracks may be ordered as separate component parts or "CWANA" (complete with all necessary accessories). CWANA prices for the different track models include the standard parts (depending on track model) such as track, carriers, end pulleys, hanging brackets, operating cord, and floor tension pulley. CWANA prices are for budget purposes. Please contact us for accurate prices.

Curved tracks require a scale drawing or layout with dimensions before we can accurately quote a price.

Pictures of where and how the track will be used are always helpful.

## TRACK CAPACITIES AND SPACING

The following chart lists recommendations for maximum lengths, weight capacity and stacking (storage) space for several tracks.

**MAXIMUM LENGTH** is based upon the size and type of wheels used on the curtain carriers. Wheels with ball bearings will roll easier. Tracks can be longer than these lengths if the curtains are lighter than the max. curtain weight shown.

**CURTAIN WEIGHT** depends upon the size and type of wheels used on the curtain carriers and the strength of the actual track. Curtain weights shown (in pounds) are per lineal foot of track.

**STACKING SPACE** shown is the width of one carrier and depends upon the spacing of the carriers along the curtain. Standard spacing is 12" (one per foot). Small tracks for window curtains (#215, #113, #114, #9050) may have spacing of 6" (2 carriers per foot) or closer.

The actual stacking distance must include the end pulleys, master carriers, and allowance for the curtain folds.

**MAXIMUM SPAN** between supports is based upon the strength of track channel and the maximum curtain weight. #280 and #170 steel tracks can, in fact, easily span up to 10' if the curtains are lighter in weight. Aluminum tracks require closer supports because they tend to bend easily under concentrated load. For heavy curtains and long spans, the tracks should be reinforced by attaching them to a pipe batten or piece of lumber.

\* Maximum weights for curved tracks may be less than similar tracks due to higher friction going around curves.

## TRACK SPECIFICATIONS:

Track Model No.	Maximum Length (bi-parting)	Curtain Weight (per/ft)	Stacking Space (1 carrier)	Max. Between Supports
280	Any	20	2.4"	7'
281	Any	30	2.4"	7'
282	Any	50	2.4"	7'
170	40'	10	1.5"	6'
171-N	60'	13	1.5"	6'
171-R	60'	15	1.5"	6'
172	40'	10	1.5"	6'
173	Any	10	1.5"	6'
260	40'	10	1.5"	6'
500	Any	30*	2.4"	5'
501, 502	Any	30	2.4"	5'
350	75'	15*	1.8"	5'
340	50'	15*	1.8"	5'
351, 341	75'	15	1.8"	5'
342	Any	15	1.8"	5'
422	Any	15	1.8"	6'
422-R	Any	15	1.8"	6'
140, 140-R	75'	15*	1.8"	5'
141, 141-R	75'	15	1.8"	5'
142, 142-R	Any	15	1.8"	5'
132	Any	6.5	1"	4'
132-B	Any	13	1"	4'
132-C	Any	13	1"	4'
113	20'	4	2.5"	4'
114	40'	4	2.5"	4'
160	40'	4	2.5"	4'
220	26'	13	3"	4'
220-N	26'	13	1.5"	4'