

TCC-III TCC-IV

TecsPak® Long Travel Constant Contact Side Bearings

TecsPak® Constant Contact Side Bearings minimize railcar lifecycle costs

Miner long travel constant contact side bearings provide superior truck hunting, safer curve negotiation, maximum car body roll control and a longer railcar lifecycle.

Miner long travel constant contact side bearings have been proven to substantially decrease railcar life cycle costs by reducing truck and wheel wear. The innovative design of the TCC-III and TCC-IV side bearings incorporate Miner's patented TecsPak® springs and provide maximum vertical energy absorption and heat resistance under the most demanding applications.

Miner's TCC-IV features a heat insulating pad and a patented air cooled top cap to maximize the life of your side bearings under the most demanding high-speed, high-mileage applications.

As a pioneer and industry leader of long travel side bearings, Miner has over 16 years experience and over 1 million units currently in service. Miner has a constant contact side bearing to fit your specific needs.



FEATURES

- *Anti-rotation lugs to maximize energy absorption and heat dissipation*
- *Full contact to the side body wear plate across the length of the top cap to eliminate tipping*
- *Metal-to-metal contact for exceptional hunting control*
- *Simple 3-piece design for easier maintenance*
- *Full-size top cap and housing for longer life*



W. H. MINER DIVISION
www.minerent.com

TCC-III and TCC-IV Long Travel Constant Contact Side Bearings

TCC Long Travel Side Bearings Selection Guide

	80 LT (body weight > 37,647 lbs.)	60 LT (body weight > 28,235 lbs.)	45 LT (body weight > 21,176 lbs.)
Covered Hopper			
Steel Grain Car	TCC-III or IV		
Aluminum Grain Car		TCC-III or IV	
All other		TCC-III or IV	
Open Top Hopper			
Steel Coal Car	TCC-III or IV		
Aluminum Coal Car		TCC-III or IV	TCC-III or IV
All other		TCC-III or IV	
Gondola/Coil			
Steel Coal Car	TCC-III or IV		
Aluminum Coal Car			TCC-III or IV
All Other		TCC-III or IV	
Box			
All	TCC-III or IV		
Tank			
All		TCC-III or IV	
Non-Intermodal Flat			
Bulkhead Flat Car	X		
Autorack Car	X		
Centerbeam Car		X	
General Purpose 89' Flat		X	
Heavy Duty Flat Car	(need more information for specific model)		
Intermodal			
Stand Alone Well		X	
Drawbar Connected Well		X	
Articulated Well	TCC-IV (need more information for specific model)		
Articulated Spine	TCC-IV (need more information for specific model)		
Note:	<ul style="list-style-type: none"> - Body weight equates to the light weight minus truck weight. - Chart assumes set-up height is 5-1/16". - Chart assumes stand alone car with 2 trucks. - For lightweight cars (body weight >14,118 lbs.) Miner recommends the use of a 30 LT constant contact side bearing. 		