

## TROLLEYS

The trolleys are made to suite customers' requirements with pocket partitions arranged to separate high voltage, control voltage and nonelectrical items (hoses, etc.) according to specific needs. Special high dielectric PVC coating is available.

2, 4 or 6 pocket versions are standard.

Typical Trolley Spec.

Rated Load:	6623	lbs
Pockets:	660	lbs
Weights appr.:	160	lbs
Standard Widths:	231 1/2 in or 271 1/4 in	
Pocket radius:	153/4 in	
	113/4 in	

### Pulling Device

Optional Shunting Trolley used to advance the system on the outbye end.  
May be powered by the following options:

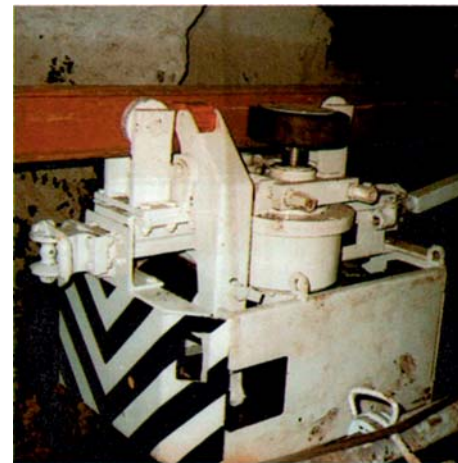
Emulsion	
Air	
Battery/electric	
Pulling effort:	up to 4420 lbs
Tramming speed:	100 f/min

Optional Winch System used to advance the system on the outbye end.

Optional Sources of Power include:

- Emulsion
- Air
- 480 Volt AC electric
- 300 Volt DC electric

Pulling effort to match requirements up to 10000 lbs (with full drum).  
Remote control is standard.  
Self tramming is optional.



# HOSE / CABLE - HANDLING & STORAGE

## System

The Scharf monorail system handles large diameter, heavy cables and hoses used by today's modern longwall systems.

The cables/hoses are hung on carrying trolleys which move along a roof suspended monorail on captivated wheels.

At the beginning situation the system is stretched out between the stage loader and the section transformer. As the longwall retreats, the trolleys are pushed toward the outside by optional jib mounted on the stageloader or hydraulic push/ pull device

This causes the cables/hoses to form loops as the carrying trolleys bunch together.

The section power transformer and pump station are moved up normally and the outbye end of the trolley train is pulled forward by optional shunting trolleys or winch system

This results in the system being stretched out to the beginning situation.

In the area near the stageloader, the trolleys are held in the stretched position by draw bars. This is the loop-free-zone-kept open to permit ample travel way.

In this area, it is possible to carry various equipment including:

- electric controls,
- hydraulic pumps
- filter stations
- emulsion tank
- air compressors
- tools boxes, etc.

## Beams

As the longwall face retreats, rails are reclaimed and saved for reinstallation on the outbye end.

The rails are hung from roof bolts, cross bars or arches. Hangers are specially provided for such hanging and are made for quick, easy installing or removing. The rail design is specially made for monorail duty and is very rugged made of high tensile steel for most favorable strength-to-weight ratio.

I 140 E Beam Specs.

Length: 10 feet

Heights: 6,1 in

Rated Load: 616 lb per trolley

Weight: 168 lb

