VARIABLE SPEED CARRIAGES

The Pandjiris Variable Speed Carriages are heavy duty travel carriages capable of supporting substantial loads at specified distances from the faceplate. Variable travel speeds from 3 to 116 IPM are standard on Models VSC-15-3 and VSC-21-12. The Model VSC-40-12 carriage is equipped to deliver travel speed from 6 to 180 IPM. The carriages use a rack and pinion drive system equipped with Pandjiris’ EZ LINK™ Series PVSC-L Control. The VSC-15-3 carriage is also available in a non-powered version, Model M-15-3. A manual lever to disengage the drive pinion, allowing the carriage to be manually located anywhere along the length of the side beam is provided standard on Model VSC-15-3 and M-15-3.

MODEL VSC-15-3 CARRIAGE (1,500 lbs. @ 3”)
  MODEL M-15-3 Carriage

MODEL VSC-21-12 CARRIAGE (2,100 lbs. @ 12”)
  Manual Disengage Lever

MODEL VSC-40-12 CARRIAGE (4,000 lbs. @ 12”)

Pandjiris offers two sizes of precision side beams for the above carriages. The Model VSC-15-3 and the Model VSC-21-12 carriages ride on standard PBT-12/96 Side Beam, and the Model VSC-40-12 Carriage rides on PBT-15/144 Side Beam. The side beam and track blade assembly is an all steel fabrication designed to provide an accurate travel path for the precision carriage. The track blade is a precision blade assembly designed with Pitch and Yaw adjustments along its entire length to allow alignment adjustments for carriage travel. The side beam is supported by a minimum of two vertical stanchions. The Model 60 stanchion positions the track at approximately 60” above the floor. The Model 60-A provides pinned adjustment of the side beam from 30” up to the 60” location.

MODEL PBT-12/96 (8’ LONG)
  Price for random length, add per foot ................................................................. Consult Factory

MODEL PBT-15/144 (12’ LONG)
  Price for random length, add per foot ................................................................. Consult Factory

MODEL 60 STANCHION
MODEL 60-A ADJUSTABLE STANCHION. ea.
  For other height stanchions.............................................................................. Consult Factory

<table>
<thead>
<tr>
<th></th>
<th>VSC-15-3</th>
<th>VSC-21-12</th>
<th>VSC-40-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>26-1/4”</td>
<td>26-1/4”</td>
<td>48-3/4”</td>
</tr>
<tr>
<td>B</td>
<td>17”</td>
<td>17”</td>
<td>20”</td>
</tr>
<tr>
<td>C</td>
<td>8-1/2”</td>
<td>10”</td>
<td>6-5/8”</td>
</tr>
<tr>
<td>D</td>
<td>Disengage Lever</td>
<td>Optional</td>
<td>N/A</td>
</tr>
<tr>
<td>E</td>
<td>12”</td>
<td>12”</td>
<td>14-1/2”</td>
</tr>
<tr>
<td>F</td>
<td>8”</td>
<td>8”</td>
<td>10”</td>
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<tr>
<td>G</td>
<td>6”</td>
<td>6”</td>
<td>10”</td>
</tr>
</tbody>
</table>

Terms: Pandjiris, Inc. standard terms and conditions apply, f.o.b. Factory, St. Louis, Missouri, or designated ship point.
Approx. Shipping Weight
  15-3    100#
  21-12   150#
Delivery: Consult factory.

Prices and specifications subject to change without notice!
VARIABLE SPEED CARRIAGE
Optional Controls & Accessories

MVSC CARRIAGE CONTROL OPTIONS:

Forward/Reverse Limit Switch
- Provides automatic carriage travel stop in the forward and reverse direction.
- Provides output to shut-off welder upon forward limit switch contact.
  (when weld start/stop is integrated to the welder)
- Provides automatic carriage stop during programmed automatic return home.

Weld Start/Stop Integration
- Start and stop functions of welder controlled from carriage and integrated by Pandjiris, Inc.
  Includes automatic weld travel with programmed start and stop delay timer.

Over-Travel Limit Switch
- Sends a signal to shut off the welding arc and continues traveling for the programmed travel stop delay time.
- Can be used to continue carriage travel during downslope or crater times.
- Can be used to continue travel after the weld shuts off for the period of time required to pick up the remaining flux while using the SAW process.

Current Sensing Box
- Provides an arc on signal to carriage upon arc initiation.

Encoder
- Provides capability to program travel distance in inches (linear) or degrees (circumferential).

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Approx. Shipping Weight
15-3 100#
21-12 150#
Delivery: Consult factory.

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