Hepco Simple-Select® offers four useful sizes of spacer slides supplied in 24 hours or less complete with carriages assembled ready for installation. All units are fitted with double row bearings and cap seals to ensure a long and trouble-free life. The general purpose spacer slide precision cold drawn and hardened on the Vee running surfaces provides good accuracy and long life, even in the most hostile environment. Specifying could not be easier.

Check the load to be carried against the carriage load capacities and check that the physical size meets your requirements (full size sectional views on page 6).

**Benefits**

- Select standard range of 4 popular sizes ready for dispatch in 24 hours or less
- Utilizes proven Hepco Vee Slide technology – ideal for high speed/short stroke movements
- Low installation time simply bolt slide down
- Can be fitted to unmachined surfaces if required
- System compliance – ideal for fitting to aluminum profiles
- Accurate drawn slide allows smooth low friction movement
- Double row bearings for long and trouble free life
- Fitted cap seals prevent dirt ingress and ensure constant positive lubrication
- Induction hardened Vee slide – low wear characteristics
- Quiet in operation
Dimensional Data

For a more extensive range of options please refer to the GV3 Catalog in www.bwc.com

<table>
<thead>
<tr>
<th>Size</th>
<th>W</th>
<th>B</th>
<th>C</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>20</td>
<td>64</td>
<td>10</td>
<td>24.95</td>
<td>14</td>
<td>100</td>
<td>5 x 2</td>
<td>12.4</td>
<td>50</td>
<td>44</td>
<td>6 x M5</td>
</tr>
<tr>
<td>25</td>
<td>25</td>
<td>80</td>
<td>11.5</td>
<td>30.7</td>
<td>18</td>
<td>135</td>
<td>6 x 2.5</td>
<td>15.4</td>
<td>65</td>
<td>60</td>
<td>6 x M6</td>
</tr>
<tr>
<td>44</td>
<td>44</td>
<td>116</td>
<td>14.5</td>
<td>38.7</td>
<td>22.5</td>
<td>180</td>
<td>8 x 3</td>
<td>26.4</td>
<td>96</td>
<td>80</td>
<td>6 x M8</td>
</tr>
<tr>
<td>76</td>
<td>76</td>
<td>185</td>
<td>20</td>
<td>58.7</td>
<td>36.5</td>
<td>300</td>
<td>15 x 5</td>
<td>50.4</td>
<td>160</td>
<td>135</td>
<td>6 x M10</td>
</tr>
</tbody>
</table>
Components used in the Simple-Select® range will provide the user with the best combination to achieve a long and trouble free life in clean or arduous environments. Fitted cap seals cover double row bearings and provide a reservoir for grease lubrication and to prevent dirt ingress. In most cases a single application of grease, which Bishop-Wisecarver® provide on assembly of the unit, will last for the life of the machine.

**Simple Life Check**
Most applications involve central L1 loads. In these cases simply divide your load (N) by the carriage L1 capacity figure below to determine a load factor. Then simply read off the life from the graph. For offset loads you will need to add the relevant load factors to determine the total. Load Factor should not exceed 1.

<table>
<thead>
<tr>
<th>Carriage Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>44</td>
</tr>
<tr>
<td>76</td>
</tr>
</tbody>
</table>

Load Factor = \( \frac{\text{Load Carried}}{\text{Carriage Capacity}} = \frac{L_1}{L_1^{(max)}} + \frac{L_2}{L_2^{(max)}} + \frac{M_s}{M_s^{(max)}} + \frac{M_v}{M_v^{(max)}} + \frac{M}{M^{(max)}} \)
Available slide lengths from the Simple-Select\textsuperscript{®} range are shown in the chart below:

<table>
<thead>
<tr>
<th>Slide Size</th>
<th>Slide Lengths in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>266 356 536 716 896 1076 1256 1436 1616 1796 1976</td>
</tr>
<tr>
<td>25</td>
<td>266 356 536 716 896 1076 1256 1436 1616 1796 1976</td>
</tr>
<tr>
<td>44</td>
<td>266 356 536 716 896 1076 1256 1436 1616 1796 1976</td>
</tr>
<tr>
<td>76</td>
<td>– – 536 716 896 1076 1256 1436 1616 1796 1976</td>
</tr>
</tbody>
</table>

Other lengths available on request up to 4m (not Simple-Select\textsuperscript{®} service).

**Slide Hole Centers**

Sizes 20, 25, 44

<table>
<thead>
<tr>
<th>Size</th>
<th>M</th>
<th>M(_1)</th>
<th>M(_1) ø x depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>4.5</td>
<td>8 x 4.1</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>5.5</td>
<td>10 x 5.1</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>7</td>
<td>11 x 6.1</td>
<td></td>
</tr>
</tbody>
</table>

Size 76

<table>
<thead>
<tr>
<th>Size</th>
<th>M</th>
<th>M(_1)</th>
<th>M(_1) ø x depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>14</td>
<td>20 x 12</td>
<td></td>
</tr>
</tbody>
</table>

To Order – Simply specify slide size, number of fitted carriages and slide length

Example

20 1 1076

Slide Size
Number of fitted carriages
Slide Length (mm)

Units are supplied with carriages adjusted ready for mounting.
Technical Specifications

‘V’ Slides
Material and Finish: High carbon bearing steel AISI 52100, hardened on ‘V’ faces to 58-62 Rockwell ‘C’ scale. Slide will be supplied with chemical black or similar finish.

Bearings
Bearing Raceways and Balls: Carbon-chromium bearing steel AISI 52100, hardened and tempered.
Shields: Steel, except size 18 which has nitrile rubber seals.
Cage: Plastic.
Studs: High Tensile Steel with tensile strength = 695 N/mm². Chemical black finish.
Temperature Range: -20°C to +120°C

Carriage Plates
Material: High Strength Aluminum Alloy
Finish: Black Anodized

Carriage Plate & Slide Counterbore plugs
Material: Plastic

Cap Seals
Material: Body: Thermoplastic elastomer
          Inserts: Impact resistant plastic
          Wipers: Felt
Temperature Range: -20°C to +60°C

Frictional Resistance for ‘V’ Slide Systems
To determine frictional resistance use 0.02 x Load (N) + Seal Friction (N).
Seal friction figures: Size 20 = 4 N  Size 25 = 7 N
                     Size 44 = 15 N Size 76 = 28 N

External Lubrication
Cap Seals will be supplied lubricated, further lubrication is not normally necessary unless a high duty cycle/speed is involved. In these cases re-lubrication with a grease NLGI consistency No. 2 will suffice.

Maximum Linear Speeds for ‘V’ Slides & Bearings.
Lubricated ‘V’ Slides = 8 m/s

Material specifications may change for reasons of technical advantage or availability.
Full Size Sectional Views

Size 20

Size 25

Size 44

Size 76
Components & Accessories
DualVee®
MadeWell®
GV3
SL2
PRT2
HDS2
HDRT
MCS
Motor Mounts
Gantry Brackets
Wrenches

Manual Linear Guide Systems
DualVee®
UtiliTrak®
MinVee®
GV3
Simple Select®
SL2
HDS2
MHD
HTS

Actuated Linear Guide Systems
LoPro®
XLA™
ECO60™
SlickStick™
SteadyRail™
HDLS
HDCS
PDU2
DAPDU2
SBD
PSD
SDM
DLS

Rotary Guide Systems
PRT2
DTS2
DTS
ALR
HDRT
1-Trak
GFX

Robot Transfer Units
LoPro® RTU
DualVee® RTU

Custom Solutions
Extruded Profile Guides
Custom Bearings
Custom Subassemblies
Engineering Services
Large Diameter Ring Guides and Track

Contact
Web: BWC.com
Phone: (925) 439-8272
Email: Sales@bwc.com

Corporate Office
Bishop-Wisecarver
2104 Martin Way
Pittsburg, CA 94565

Quality Certifications
• Certified Bay Area Green Business
• Certified Evergreen

Women’s Business Enterprise
• Certified WOSB

Certifications & Compliance
• EN 9100:2018
• JISQ 9100:2016
• ISO 13485 & GMP Compliance
• Responsible Minerals Initiative
• RoHS
• International Traffic in Arms Regulations Compliant