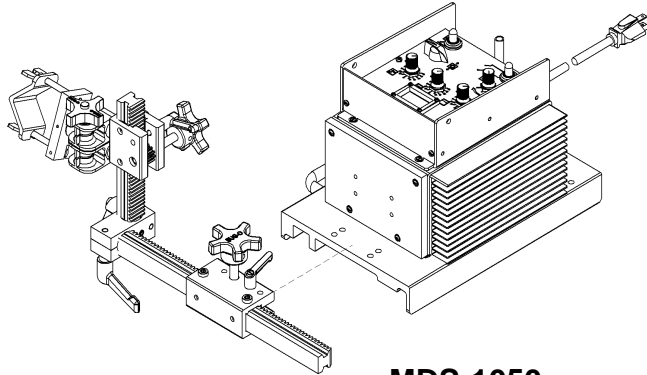


Affordable Automation for Welding, Cutting and Semi-Automatic Processes

Supports & Accessories

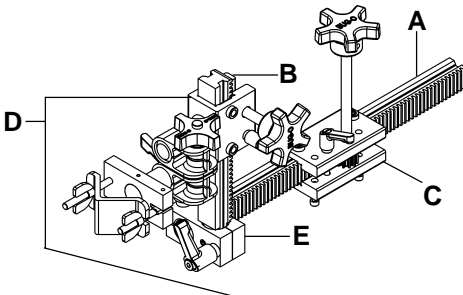
The **TOOL POSITIONING SYSTEM** is a compact and rigid system which can be used to hold a wide variety of cutting torches, welding guns and other handheld tools.



It consists of black anodized 7/8" (22.2mm) square aluminum bars with 16-pitch machined racks and ways, right angle clamps, machined rackholders and torchholders.

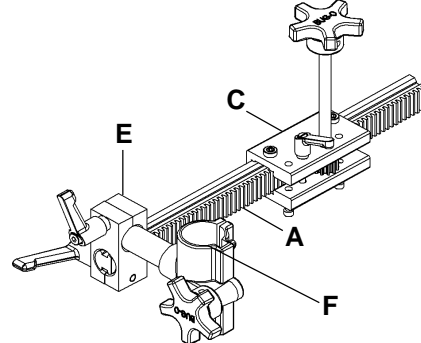
MDS-1040 Machined Rack Welding Group

- A. BUG-1796 Machined Rack 14" (355.6mm)
- B. BUG-1853 Machined Rack 7-1/2" (190.5mm)
- C. MDS-1031 3.5" (88.9mm) Rackholder
- D. BUG-5455 Gun Mounting Group
- E. BUG-5462 Right Angle Clamp



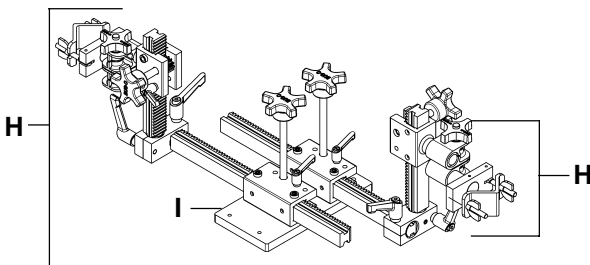
MDS-1050 Machined Rack Cutting Group

- A. BUG-1796 Machined Rack 14" (355.6mm)
- C. MDS-1031 3.5" (88.9mm) Rackholder
- E. BUG-5462 Right Angle Clamp
- F. BUG-5188 Torchholder Assembly



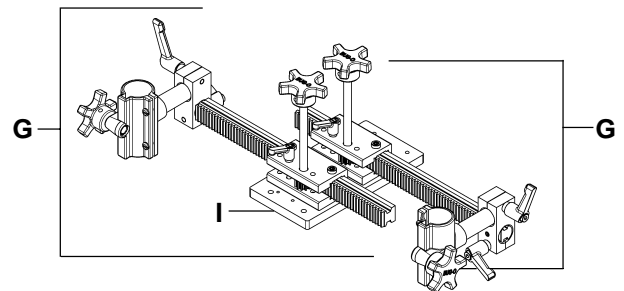
MDS-1075 Dual Torch Welding Group

- Includes:**
- (2) H. MDS-1040 Machine Rack Group
 - (1) I. MDS-1045 Double Rackholder Mount



MDS-1090 Dual Torch Cutting Group

- Includes:**
- (2) G. MDS-1050 Machined Rack Cutting Group
 - (1) I. MDS-1045 Double Rackholder Mount



BUG-O SYSTEMS
A DIVISION OF WELD TOOLING CORPORATION



280 TECHNOLOGY DRIVE CANONSBURG, PENNSYLVANIA USA 15317-9564
PHONE: 1-800-245-3186 <http://www.bugo.com> FAX: 1-412-331-0383

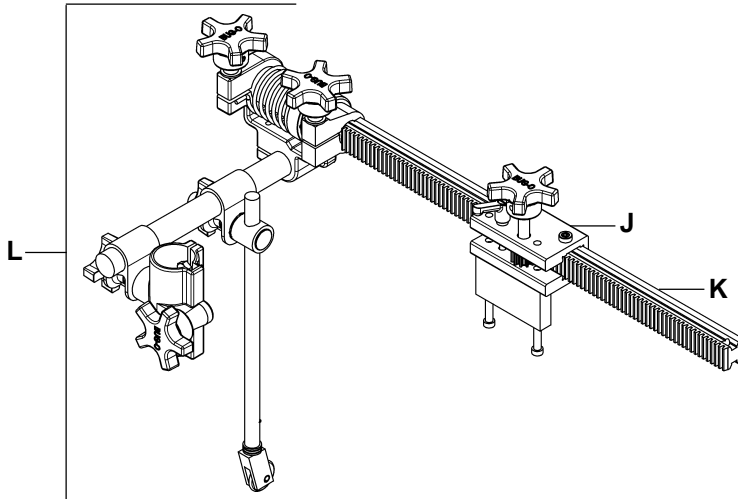


Supports & Accessories - Panograph

BUG-O SYSTEM'S **CUTTING AND WELDING PANOGRAPHS** are spring loaded torch holders that automatically compensate for surface variations. They are designed to carry a cutting torch or welding gun along an irregular or wavy surface to maintain torch to work distance.

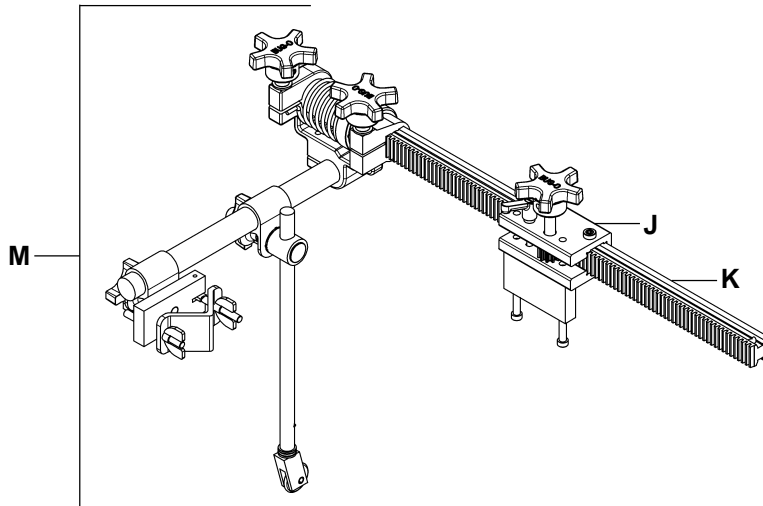
PAN-1000 Panograph Torch Floater

- J. PAN-1071 Panograph Rackholder
- K. PAN-1015 Rack 22 5/8" (574.68mm)
- L. PAN-1010 Panograph with Torchholder



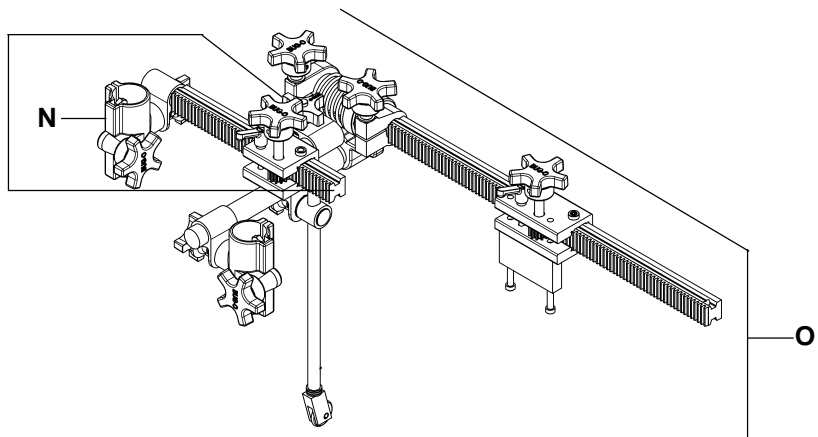
PAN-1008 Welding Panograph

- J. PAN-1071 Panograph Rackholder
- K. PAN-1015 Rack 22 5/8" (574.68mm)
- M. PAN-1007 Panograph with fits-all clamp



PAN-1072 Double Torch Panograph

- N. PAN-1070 Panograph Mounting Double Torch
- O. PAN-1000 Panograph Torch Floater

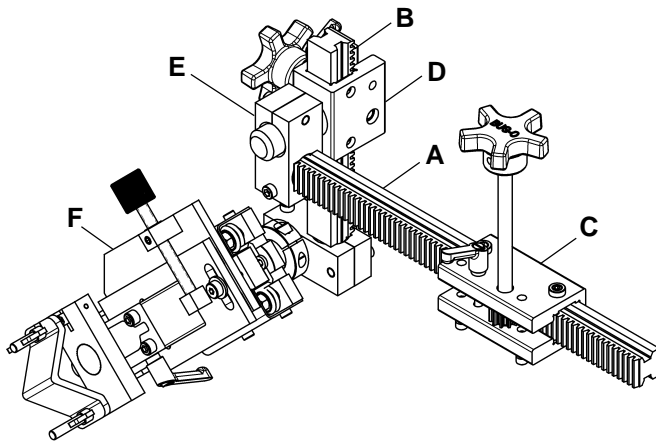




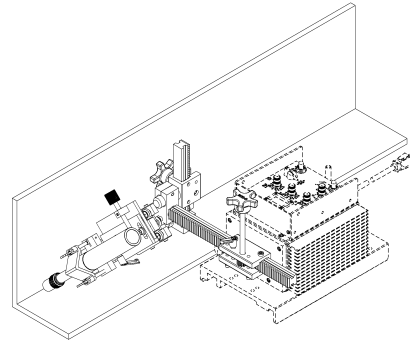
Supports & Accessories - Seam Tracking

PAN-2145-L, R Mechanical Corner Follower

- A. BUG-1796 Machined Rack 14" (355.60mm)
- B. BUG-1853 Machined Rack 7.5" (190.5mm)
- C. MDS-1031 3.5" (88.90mm) Rackholder
- D. UNI-1036 Rackrider
- E. BUG-5462 Right Angle Clamp
- F. PAN-2140-L or -R Adjustable Corner Follower

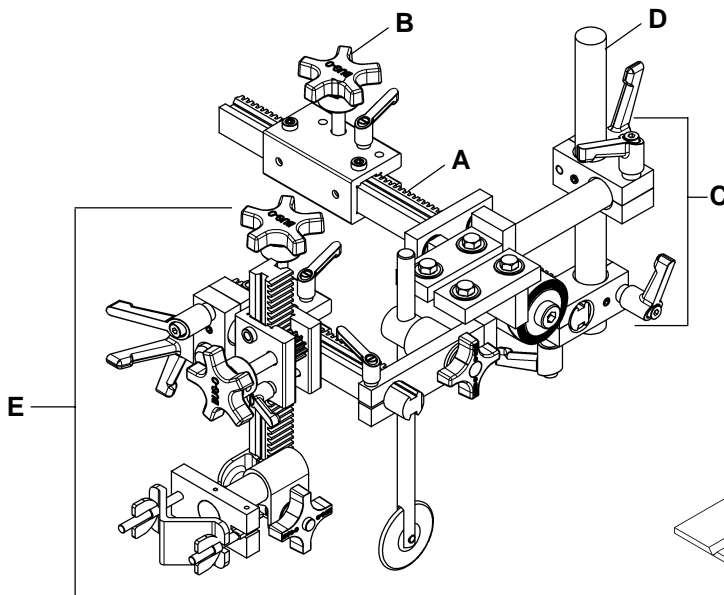


Used for tracking a fillet weld, the **CORNER FOLLOWER** using a spring loaded V-wheel keeps a welding torch centered in the corner of the joint and maintains correct torch to work distance. The Corner Follower is available in Right hand or Left hand configurations.

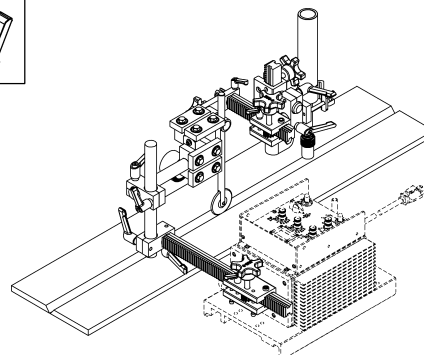


PAN-2160 Mechanical Seam Follower

- A. BUG-1796 Machined Rack 14" (355.60mm)
- B. BUG-5451 3.5" (88.90mm) Rackholder
- C. BUG-5462 Right Angle Clamps
- D. BUG-9180-10 Rod 10" (254mm)
- E. PAN-2100 Seam Tracker

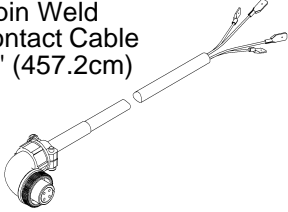
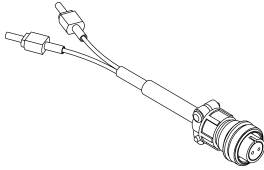
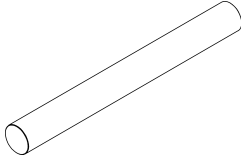
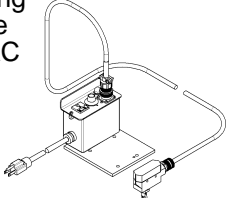
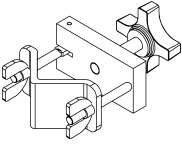
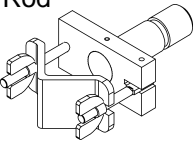
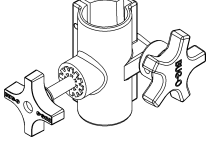
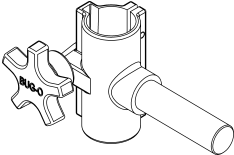
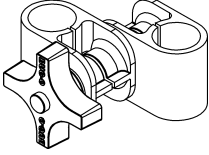
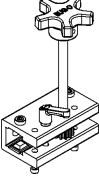
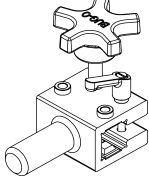
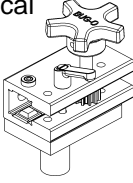
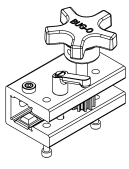
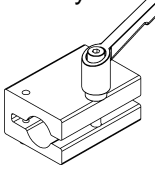
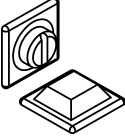
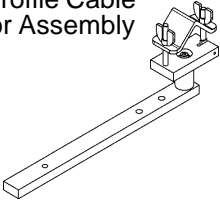
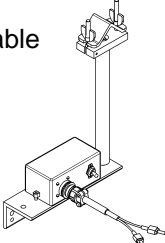
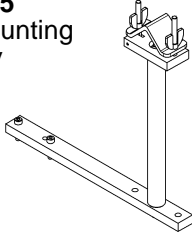
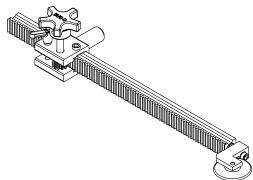
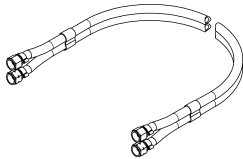
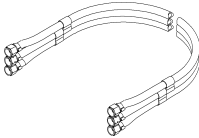
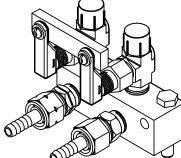
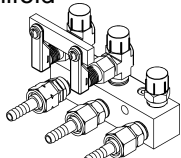
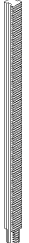
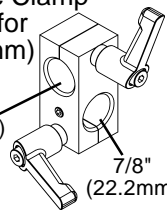
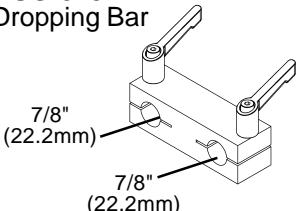


Used for tracking a V grooved butt joint, the **SEAM FOLLOWER** features 2 axis of adjustment determined by a follower wheel which rides in the joint. It will provide up to 2" (50.8mm) of compensation up and down as well as left and right for fit up variations.





Supports & Accessories - Accessories

<p>MDS-1085 4-pin Weld Contact Cable 15' (457.2cm)</p> 	<p>BUG-9485 2-Pin Connector</p> 		<p>BUG-9180 7/8" (22.2mm) Diameter Rod (Specify Length)</p> 	<p>BUG-9865 Stepping Module 120VAC</p> 																									
<p>BUG-2660 Fits-All Clamp</p> 	<p>BUG-2708 Clamp with 7/8" (22.2mm) Rod</p> 	<p>BUG-2915 Torchholder Assembly</p> 	<p>BUG-5188 Torchholder Assembly w/7/8" (22.2mm) Rod</p> 		<p>CON-1020 Swivel Clamp Assembly</p> 																								
<p>MDS-1031 3.5" (88.90mm) Rackholder</p> 	<p>UNI-1036 Rackrider with Post</p> 	<p>BUG-2407 Post Assembly-Vertical</p> 	<p>BUG-5451 3.5" (88.90mm) Rackholder</p> 	<p>BUG-5295 Rod Mount Assembly</p> 	<p>BUG-2594-10 Taper Glides Package of 10</p> 																								
<p>BUG-5930 Low Profile Cable Anchor Assembly</p> 	<p>BUG-5485 Contactor/Cable Anchor</p> 		<p>BUG-2975 Cable Mounting Assembly</p> 	<p>UNI-1035 Outrigger Arm</p> 																									
<p>CIR-1010 Twin Hose Assembly</p> 	<p>MUG-1119-36 Triple Hose Assembly 18. 18" (457.2mm) 32. 32" (812.8mm)</p> 		<p>GOF-3025 2-Hose Quick-Acting Manifold</p> 		<p>BUG-9898 3-Hose Quick-Acting Manifold</p> 																								
<p>BUG-2597 (Specify Length) Machined Rack with rounded 7/8" (22.2mm) end</p> 	<table border="0"> <tr><td>BUG-2597-8</td><td>8" (203.2mm)</td></tr> <tr><td>BUG-2597-15</td><td>15" (381mm)</td></tr> <tr><td>BUG-2597-22</td><td>22" (558.8mm)</td></tr> <tr><td>BUG-2597-27</td><td>27" (685.8mm)</td></tr> <tr><td>BUG-2597-30</td><td>30" (762mm)</td></tr> <tr><td>BUG-2597-36</td><td>36" (914.4mm)</td></tr> <tr><td>BUG-2597-39</td><td>39" (990.6mm)</td></tr> <tr><td>BUG-2597-42</td><td>42" (1066.8mm)</td></tr> <tr><td>BUG-2597-48</td><td>48" (1219.2mm)</td></tr> <tr><td>BUG-2597-54</td><td>54" (1371.6mm)</td></tr> <tr><td>BUG-2597-60</td><td>60" (1524mm)</td></tr> <tr><td>BUG-2597-72</td><td>72" (1828.8mm)</td></tr> </table>		BUG-2597-8	8" (203.2mm)	BUG-2597-15	15" (381mm)	BUG-2597-22	22" (558.8mm)	BUG-2597-27	27" (685.8mm)	BUG-2597-30	30" (762mm)	BUG-2597-36	36" (914.4mm)	BUG-2597-39	39" (990.6mm)	BUG-2597-42	42" (1066.8mm)	BUG-2597-48	48" (1219.2mm)	BUG-2597-54	54" (1371.6mm)	BUG-2597-60	60" (1524mm)	BUG-2597-72	72" (1828.8mm)	<p>BUG-5462 Right Angle Clamp Assembly [for 7/8" (22.2mm) Rods]</p> 		<p>BUG-3232 Dropping Bar</p> 
BUG-2597-8	8" (203.2mm)																												
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