A track mounting device for any material

DURABLE TRACK AND MOUNTING DEVICES FOR WELDING AND CUTTING AUTOMATION
GULLCO RIGID KAT® TRACKS

KAT® Track is manufactured in “Standard” and “Deep” sections... each designed to suit a specific range of applications. Both are made to the highest quality levels and incorporate the following top performance features:

PRECISION EXTRUDED ALUMINUM TRACK—made from aluminum that is solution heat treated and artificially aged to produce an alloy having excellent mechanical and corrosion resistant properties. The track is light but strong and the standard section can be readily formed to suit the work contour.

SUPPORTING STEEL RACK—is securely fixed to the KAT® track to provide a smooth, positive drive. The long-life rack easily supports the KAT carriage under maximum load when used in a vertical position.

END DESIGN—enables any two lengths of track to mate accurately and, because of symmetry of design, track lengths can be turned end to end. It is possible to mate standard and deep track sections.

FAST, EASY JOINING—a dovetail and taper screw that provides accurate location between mating track lengths. The track can be joined in the time it takes to tighten two knurled thumb screws.

VERSATILE MOUNTING—Both standard and deep section tracks have fixing holes on 6” (152.4 mm) pitch along their entire length to provide ample means for mounting or securing brackets.

FORMING STANDARD KAT® TRACK

The following information is provided as a guide to customers ordering Standard Section track preformed to the desired contour by Gullco, or to be formed in their own shop.

1. "Track Datum" always refers to the track surface to which the rack is fixed.
2. When the rack is on the outside of the curve, the "Track Datum Radius" must be greater than 12" (304.8 mm).
3. When the rack is on the inside of the curve, the "Track Datum Radius" must be greater than 24" (610 mm).
4. Always specify whether rack is on the inside or outside of the curve.
5. Standard formed track lengths are 36” (914 mm) and 84” (2133 mm). This is because the first 6” (152 mm) at either end of a track cannot be formed and is therefore removed after bending.

STANDARD SECTION TRACK

For use with the Gullco KAT® Travel Carriage Model GK-200 in most portable applications. Standard track sections are supplied in 48, 96 and 120 inch (1219, 2438 and 3048 mm) lengths complete with rack and interlocking ends. Standard track can be hard anodized and also formed to desired contours by Gullco or the customer. (see below)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
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</thead>
<tbody>
<tr>
<td>GK-165-052</td>
<td>48” (1219 mm)</td>
</tr>
<tr>
<td>GK-165-052-1</td>
<td>96” (2438 mm)</td>
</tr>
<tr>
<td>GK-165-054</td>
<td>120” (3048 mm)</td>
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</tbody>
</table>

also available up to 20 ft (6096 mm) long-special order.

DEEP SECTION TRACK

For use with the Gullco KAT® Travel Carriage in applications involving straight permanent runs where greater stiffness is required. Supplied in 60” and 120” (1524 and 3048 mm) lengths complete with interlocking ends. Deep Section Track can also be supplied internally stiffened and hard anodized.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
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<tbody>
<tr>
<td>GK-166-258</td>
<td>60” (1524 mm)</td>
</tr>
<tr>
<td>GK-166-260</td>
<td>120” (3048 mm)</td>
</tr>
</tbody>
</table>

also available up to 20 ft (6096 mm) long-special order.

6. When calculating the "Track Datum Radius", allowance must be made for the method of fixing the track to the work. The minimum allowable work to "Track Datum" distance (to permit free movement of the KAT® carriage) is 1-1/2” (38 mm) and when using the standard magnet assemblies this distance is 2-7/8” (73 mm).

KAT® formed track may be held in position by track mounting devices (i.e. magnets, steel brackets, tack welded in position, or vacuum cups), or it maybe permanently attached to framework alongside the work piece.

If your formed track is of a very permanent nature, it is often advisable to have a section formed and stiffened with welded aluminum side plates. This gives the stiffness of a deep section track in a formed shape. This method is often used in complete ring sections for cutting or welding large diameter pipes.
Gullco Heavy Duty “Flexible Track” is specifically designed for use with the Gullco “Flexible KAT® All Position Travel Carriages as shown in application at left. Flexible Track is made from tempered spring steel and can be easily mounted to conform with curved surfaces. This Flexible Track can be used in applications involving curved surfaces 60” (1524 mm) diameter and greater.

**Flexible-Track STIFFENER**

ADAPTS FLEX-TRACK SECTION FOR USE IN RIGID TRACK APPLICATIONS

Provides extra stiffness and reduces the number of magnet or vacuum track mounting devices required.

**MODEL GK-192-F-057**

Extruded aluminum stiffener for attachment to Gullco Flexible-Track sections supplied in 8 ft. (2438 mm) lengths.

**KAT® FLEXIBLE TRACK HEAVY DUTY FLEXIBLE TRACK**

Model GK-192-F-054-2

Supplied in 8 ft. (2438 mm) lengths. Also available in custom lengths up to 8 ft. (2438 mm) with interlocking ends to facilitate complete circles for diameter 60” (1524 mm), O.D. & I.D. and over.

Other lengths available on request.
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