The PIKO G-Track System - G-Track for Indoors and Out

- Code 332 (0.332” high) solid rails of pure, virgin brass for excellent electrical conductivity.
- Ties of ultra-violet stabilized HDPE (high-density polyethylene) for decades of use outdoors.
- Unique track geometry makes even complex track plans simple to build with only a few types of track sections.
- Compatible with most other brands of G-Scale track, such as LGB* and Aristo-Craft*, for unlimited expansion possibilities.

THE SECRET IS THE SYSTEM: PIKO G-TRACK

The 600 mm Module – The Starting Point
The basis for the design of the PIKO G-Track is a 600 x 160 mm (23.62” x 6.33”) unit. These measurements were not chosen at random. They are the result of extensive computer-aided engineering to satisfy the requirements of beginners and advanced hobbyists alike.

With this module, almost all track designs can be constructed very simply with no need for small adapter pieces: elegant turnouts on the straight or on curves, various crossovers from one parallel track to another and the possibility of incorporating existing accessories such as platforms, etc.

This simple system makes complicated design charts superfluous. The layouts can be drawn on ordinary graph paper to work out the track elements required.

The Track Design. The outstanding feature of the PIKO G-Track design is that it requires only a small number of elements and the modeler needs no extra adapter pieces at switches or crossings (which can often lead to uneven running and poor electrical contact).

For straight track the module length of 600 mm (23.62”) is made up using two different lengths, 320 mm (12.66”) and 280 mm (10.96”). This is what makes it possible to have parallel tracks with two turnouts without any need for extra pieces.

The Track. PIKO G-Track rails are made from a high quality, pure brass alloy. The ample “Code 332” rail cross-section allows for minimal voltage loss, even over long distances. The brass rail joiners connect the rails securely and ensure good electrical conductivity at the joints in the rails.

The ties are made of ultra-violet stabilized HDPE plastic, which is characterized in particular by its high impact resistance, noise reduction properties and resistance to cracking under stress. The shape, color and texture model the appearance of real wood railroad ties.

Track Identification In addition to the item number, the PIKO G-Track uses a track identification such as G-G320. This is used to identify the parts in the various track diagrams. In addition to this identification, each track section is represented in PIKO track diagrams by its own color which is also used in brochures, catalogs and on the boxes. This makes it easy to tell which piece of track is required.

Straight Track The PIKO G-Track system normally requires only two straight track sections, the G-G320 and G-G280. When these two tracks are put together they form the 600 mm module length. The other straight track sections, such as G-G160 and G-G140, can be used anywhere but are only necessary when creating more complex track layouts. The G-G95 straight track is only required as a parallel track when using 60° crossings.

Flexible Track For construction of smooth flowing curves with any desired radius, the PIKO G-Track system also includes flexible track, made up of individual rails and tie strips. Using the G-SB280 and G-SB320 tie strips together with the G-P1500 or G-P3000 rail sections, you can build your own flex track.

A rail bending tool is important for making accurate bends in the rails, but long straight tracks can be built easily without any tools.

* PIKO G-Gleis is a trademark of PIKO Spielwaren GmbH, Sonneberg, Germany. Other marks are the property of their owners.
A VERSATILE SYSTEM FOR ALL LAYOUTS

The Basic Radius The PIKO G-Track offers 3 basic radii with a parallel spacing of 321.54 mm (12.66”) (nominally 320 mm).

G-R1 curved track 30°, r = 600 mm (23.62")
G-R3 curved track 30°, r = 921.54 mm (36.28")
G-R5 curved track 15°, r = 1,243.08 mm (48.94")

To form a complete circle (360°), 12 curved tracks are required for radius G-R1 and G-R3. 24 pieces are required for radius G-R5. The 320 mm (12.66") distance between tracks ensures that even on radius G-R1 and G-R3 long rolling stock can pass without touching.

Curved Track for Switches

Switches All PIKO G-Track switches can be installed as manual or electric switches. An electric switch machine (in preparation) can be screwed onto any switch to convert it to electrical operation.

Details The finely reproduced spike and bolt details which fix the rails to the ties in the original are designed so that all standard wheel sets can run smoothly over all elements of the PIKO G-Track.

Joining Track Sections The sturdy brass rail joiners ensure that PIKO G-track can be laid on almost any surface, even on household carpet or across a lawn.

Connection The simplest power connection for the PIKO G-Track is the Power Clamp (Item 35270). This can be screwed onto any track.

PIKO G-Track offers the following straight tracks:

G-G320 Straight track, 320 mm (12.66”), together with G-G280 straight track makes up module length of 600 mm (23.62")
G-G280 Straight track, 280 mm (10.69”), together with G-G320 straight track makes up module length of 600 mm (23.62")
G-G160 Straight track, 160 mm (6.33”), 2 x G-G160 make up G-G320 track
G-G140 Straight track, 140 mm (5.48”), 2 x G-G140 make up G-G280 track
G-G95 Straight track 95 mm (3.74”) Straight track 95 mm (3.74”)
G-G1200 Straight track 1200 mm (47.24")
G-G600 Straight track 600 mm (23.62")

FROM ONE TRACK TO THE NEXT ...
## TRACK SECTIONS

### Straight Track

- **G-G320** 35200 Straight Track, 320 mm Length 321.54 mm (12.66”). G-G320 + G-G280 make up module length of 600 mm (23.62”)
- **G-G280** 35201 Straight Track, 280 mm Length 278.46 mm (10.96”). G-G280 + G-G320 make up module length of 600 mm (23.62”)
- **G-G160** 35202 Straight Track, 160 mm, Length 160.77 mm (6.33”). 2 x G-G160 equal G-G320 track
- **G-G140** 35203 Straight Track, 140 mm Length 139.23 mm (5.48”). 2 x G-G140 equal G-G280 track
- **G-G95** 35204 Straight Track, 95 mm Length 96.15 mm (3.79”). Parallel track for a 60° crossing
- **G-G600** 35208 Straight Track, 600 mm Length 600 mm (23.62”). Corresponds to module length 600 mm (23.62”)
- **G-G1200** 35209 Straight Track 1200 mm Length 1200 mm (47.24”). Corresponds to 2 x module length of 600 mm (23.62”)

### Switches and Crossings

- **G-WLR** 35222 Manual Switch, Left, R5, 30° Straight track = 2 x G-G320, curved track = 2 x G-R5. Compatible electric switch machine = # 35271
- **G-WRR** 35223 Manual Switch, Right, R5, 30° Straight track = 2 x G-G320, curved track = 2 x G-R5. Compatible electric switch machine = # 35271
- **G-DKW** 35226 Manual Double Slip Switch, 30° Straight tracks = G-G320. Compatible switch machines = 2 x # 35271
- **G-WV** 35228 Manual Wye Switch, 30° Curved tracks = G-R1. Compatible switch machine = # 35271
- **G-K30** 35240 Crossing, 30° Straight tracks = G-G320
- **G-K60** 35241 Crossing, 60° Straight tracks = G-G160

### Curved Track

- **G-R1** 35211 Curved Track, R1, 600 mm Center Line Radius = 600 mm (23.62”)/30°. 12 pieces/circle
- **G-R3** 35213 Curved Track, R3, 920 mm Center Line Radius = 921.54 mm (36.28”)/30°. 12 pieces/circle
- **G-R5** 35215 Curved Track, R5, 1240 mm Center Line Radius = 1,243.08 mm (48.94”)/15°. 24 pieces/circle

## FLEXIBLE TRACK AND ACCESSORIES

### Flexible Track

- **G-SB320** 35230 Tie Section, 320 mm Tie strip for construction of flexible track. Matches to a rail length of 321.54 mm (12.66”). G-SB320 + G-SB280 make up the module length of 600 mm (23.62”)
- **G-SB280** 35231 Tie Section 280 mm Tie strip for construction of flexible track. Matches to a rail length of 278.46 mm (10.96”). G-SB280 + G-SB320 make up the module length of 600 mm (23.62”)

### Accessories

- **35280 Bumper** Typical railroad end-of-track bumper. Secures easily to track.
- **35211 Curved Track, R1, 30°**
- **35251 Rail Section, 1500 mm** Rail section for construction of flexible track. Use 2 x 35251 together with 3 x G-SB280, 2 x G-G320, 8 pcs. of metal tie joiners from # 35291 and 2 pcs. of metal rail joiners from # 35290 to make approximately 1.48 m (58”) of track.
- **35285 Track Clips, 14 Pieces** Use to secure track sections together on temporary layouts.
- **35290 Metal Rail Joiners 20 Pieces** Sturdy brass material to securely join rails. For replacement or for use with flexible track
- **35291 Metal Tie Joiners, 20 Pieces** Sturdy brass clips to join flexible tie sections.