

# PIKO G-TRACK SYSTEM

G-G1200			
G-G600		G-WRR1	
G-G320		G-WLR1	
G-G280		G-WRR5	
G-G160		G-WLR5	
G-G140		G-K60	
G-G95		G-K30	
G-R1		G-DKW	
G-R3		G-W3	
G-R5		G-WY	

**G-G320** Straight Track, 320 mm (12.66")  
**G-G280** Straight Track, 280 mm (10.96")  
**G-G160** Straight Track, 160 mm (6.33")  
**G-G140** Straight Track, 140 mm (5.48")  
**G-G95** Straight Track, 95 mm (3.74")

**G-G1200** Straight Track 1200 mm (47.24")  
**G-G600** Straight Track 600 mm (23.62")

**G-R1** Curved track 30°, r = 600 mm (23.62")  
**G-R3** Curved track 30°, r = 920 mm (36.28")  
**G-R5** Curved track 15°, r = 1240 mm (48.94")

**G-K30** Crossing, 30°  
**G-K60** Crossing, 60°

**G-WLR1** Manual Switch, Left, R1, 30°  
**G-WRR1** Manual Switch, Right, R1, 30°

**G-WLR5** Manual Switch, Left, R5, 30°  
**G-WRR5** Manual Switch, Right, R5, 30°

**G-W3** Manual Three-Way Switch, 30°

**G-WY** Manual Wye-Switch, 30°

**G-DKW** Manual Double-Slip Switch, 30°

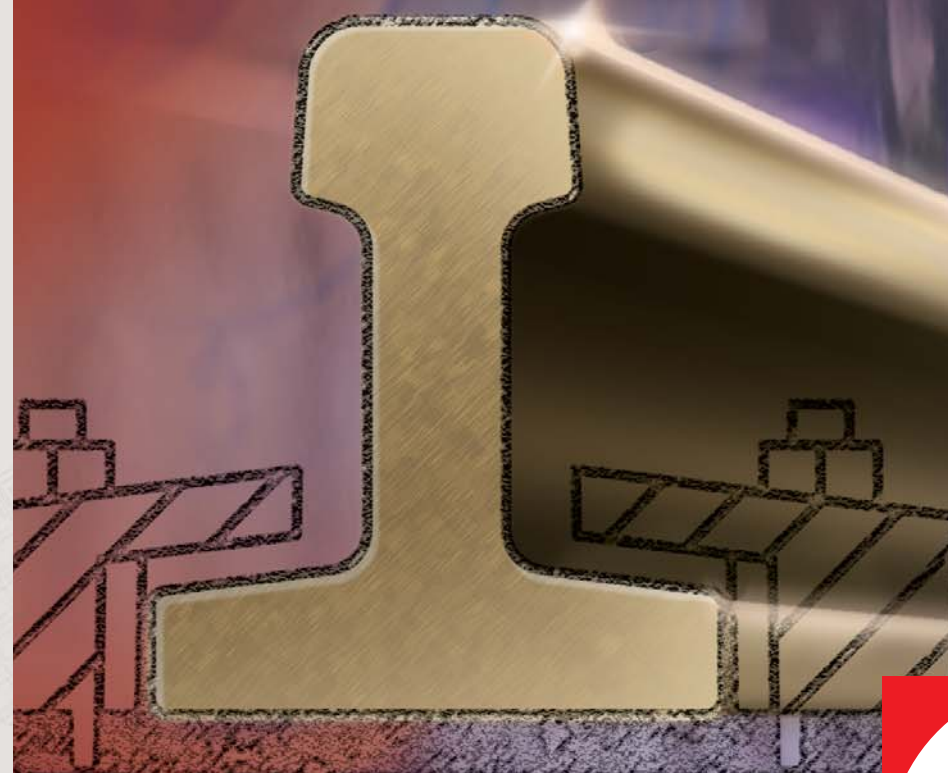
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PIKO Spielwaren GmbH  
 Lutherstraße 30 · 96505 Sonneberg, Germany  
 Fax: +49 36 75 89 72 50 · e-mail: hotline@piko.de  
 www.piko.de

Products, specifications and availability subject to change without notice.



# PIKO G-Track FOR INDOORS AND OUT



**PIKO G-Gleis**



The photo shows the PIKO G #37410 BR 182 'Taurus' Loco DB AG Epoch V



#### 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.

\* PIKO G-Gleis is a trademark of PIKO Spielwaren GmbH, Sonneberg, Germany. Other marks are the property of their owners.

## 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.

**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.

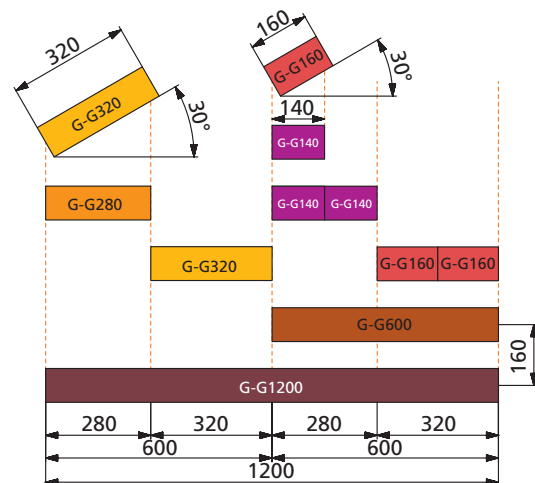
**Curved Track for Switches** To get from a switch to a parallel track (such as on a passing siding track) while maintaining the distance of 160 mm (6.34") all that is needed is the G-R1 curved track.

**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.

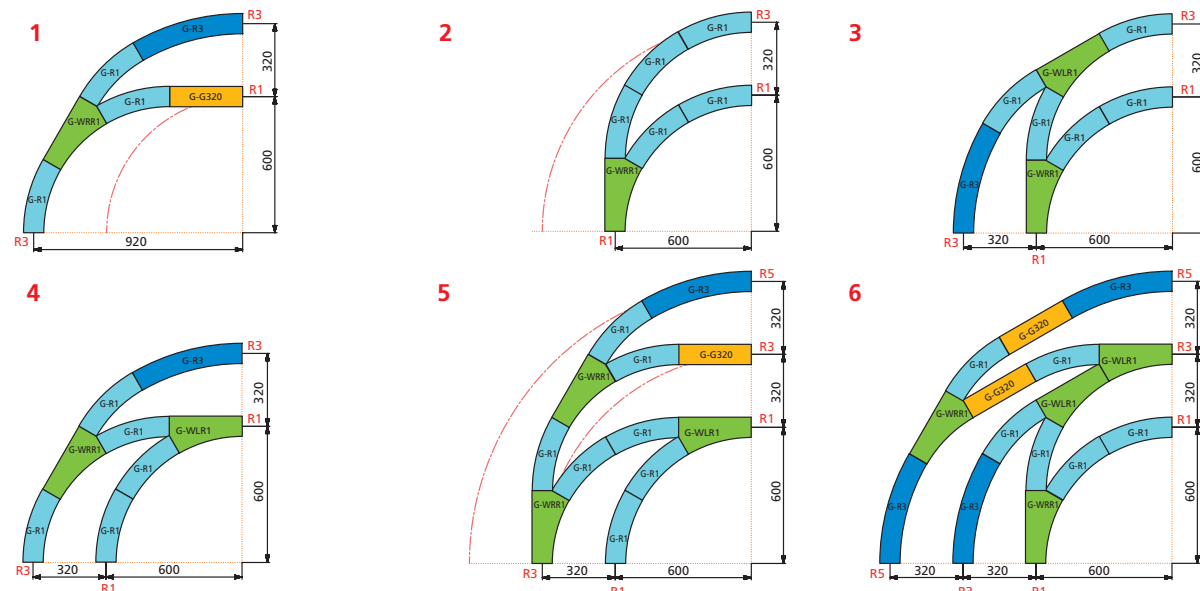
**Joining Track Sections** The sturdy brass rail joiners ensure that PIKO G-track can be laid on almost any surface, even on household carpet or across a lawn.

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



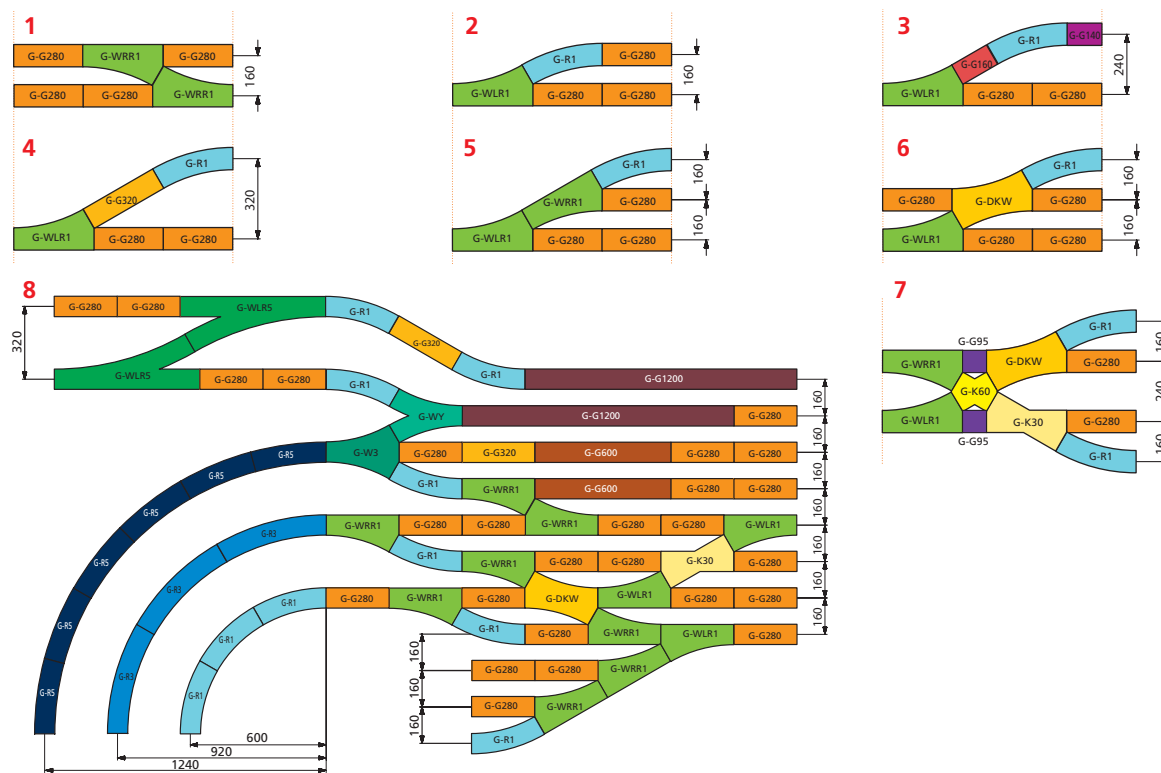
PIKO G-Track offers the following straight tracks:

- 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 (10.96"), 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")
- G-G1200** Straight track 1200 mm (47.24")
- G-G600** Straight track 600 mm (23.62")



**Geometric Examples (clockwise travel):**

- 1 From Radius G-R3 to G-R3 or G-R1
- 2 From Radius G-R1 to G-R3 or G-R5
- 3 From Radius G-R1 to G-R1 or G-R3 and from G-R3 to G-R3
- 4 From Radius G-R1 to G-R1 and from G-R3 to G-R1 or G-R3
- 5 From Radius G-R1 to G-R1 and from G-R3 to G-R1 or G-R3 or G-R5
- 6 From Radius G-R1 to G-R1 or G-R3 and from G-R3 to G-R3 and from G-R5 to G-R3 or G-R5



**Geometric Examples:**

- 1 Single crossover from one track to a parallel track
- 2 Transition from one track to a parallel track
- 3 Transition from one track to a parallel track with larger spacing (for platform)
- 4 Transition from one track to parallel track with double spacing
- 5 Transition from one track to 3 parallel tracks
- 6 Transition from two parallel tracks to 3 parallel tracks
- 7 Transition from two tracks to 4 parallel tracks with larger spacing and double crossover
- 8 Complex yard area with parallel track spacing

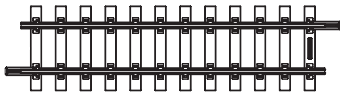
## Straight Track

**G-G320** 35200 Straight Track, 320 mm **NEW**  
Oct. 07  
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 **NEW**  
Oct. 07  
Length 278.46 mm (10.96"). G-G280 + G-G320  
make up module length of 600 mm (23.62")

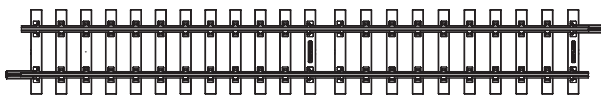
**G-G160** 35202 Straight Track, 160 mm,  
Length 160.77 mm (6.33"). 2 x G-G160  
equal G-G320 track

**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 **NEW**  
Oct. 07  
Length 600 mm (23.62"). Corresponds to module  
length 600 mm (23.62")



**G-G1200** 35209 Straight Track 1200 mm **NEW**  
Oct. 07  
Length 1200 mm (47.24"). Corresponds to  
2 x module length of 600 mm (23.62")

## Switches and Crossings

**G-WLR1** 35220 Manual Switch, Left, R1, 30°  
Straight track = G-G320, curved track = G-R1.  
Compatible electric switch machine = # 35271

**G-WRR1** 35221 Manual Switch, Right, R1, 30°  
Straight track = G-G320, curved track = G-R1.  
Compatible electric switch machine = # 35271

**G-WLR5** 35222 Manual Switch, Left, R5, 30°  
Straight track = 2 x G-G320, curved track = 2 x G-R5.  
Compatible electric switch machine = # 35271

**G-WRR5** 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-W3** 35227 Manual Three-Way Switch, 30°  
Straight track = G-G320. Curved tracks = G-R1.  
Compatible switch machines = 2 x # 35271

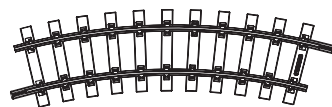
**G-WY** 35228 Manual Wye Switch, 30°  
Curved tracks = G-R1. Compatible switch  
machine = # 35271

**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 **NEW**  
Oct. 07  
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

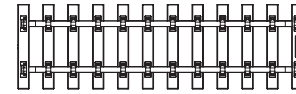
**G-R5** 35215 Curved Track, R5, 1240 mm  
Center Line Radius = 1,243.08 mm (48.94")/15°. 24 pieces/circle

Items without dates shown will be delivered later than 2007.

## Flexible Track

**G-SB320** 35230 Tie Section, 320 mm **NEW**  
Oct. 07  
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 **NEW**  
Oct. 07  
Tie strip for construction of flexible track. Matches  
to a rail length of 280 mm (10.96"). G-SB280 +  
G-SB320 make up the module length of 600 mm  
(23.62")



## ACCESSORIES



Pre-production sample shown

**35280 Bumper** **NEW**  
Oct. 07  
Typical railroad end-of-track bumper.  
Secures easily to track.

**35261 Manual Switch Machine**  
Manual operation for all switches

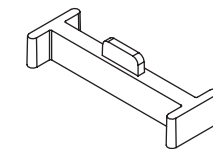
**35271 Electric Switch Machine**  
Electric switch machine for all switches

**35270 Power Clamp, 1 Pair** **NEW**  
Oct. 07  
With heavy-duty cable.  
Use for track power connection

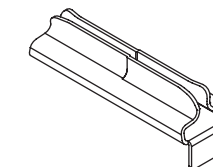
**35292 Insulated Rail Joiners, 6 Pieces**  
Insulated rail joiners made of weather-resistant  
plastic

**G-P3000** 35250 Rail Section, 3000 mm **NEW**  
Oct. 07  
Rail section for construction of flexible track.  
Use 2 x 35250 together with 5 x G-SB280, 5 x  
G-SB320, 18 pcs. of metal tie joiners from  
# 35291 and 2 pcs. of metal rail joiners from  
# 35290 to make approximately 3 m (118") of track.

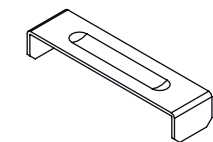
**G-P1500** 35251 Rail Section, 1500 mm **NEW**  
Oct. 07  
Rail section for construction of flexible track.  
Use 2 x 35251 together with 3 x G-SB280, 2 x  
G-SB320, 8 pcs. of metal tie joiners from  
# 35291 and 2 pcs. of metal rail joiners from  
# 35290 to make approximately 1.48 m (58") of  
track.



**35285 Track Clips, 14 Pieces** **NEW**  
Oct. 07  
Use to secure track sections together on temporary  
layouts.



**35290 Metal Rail Joiners 20 Pieces** **NEW**  
Oct. 07  
Sturdy brass material to securely join rails. For  
replacement or for use with flexible track



**35291 Metal Tie Joiners, 20 Pieces** **NEW**  
Oct. 07  
Sturdy brass clips to join flexible tie sections.

Items without dates shown will be delivered later than 2007.