

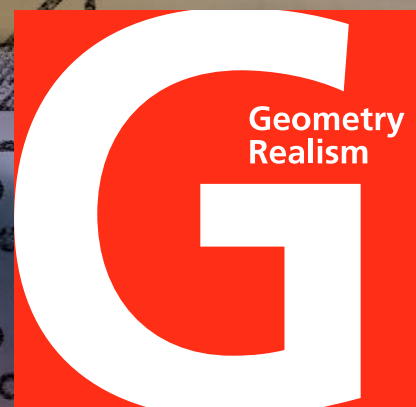
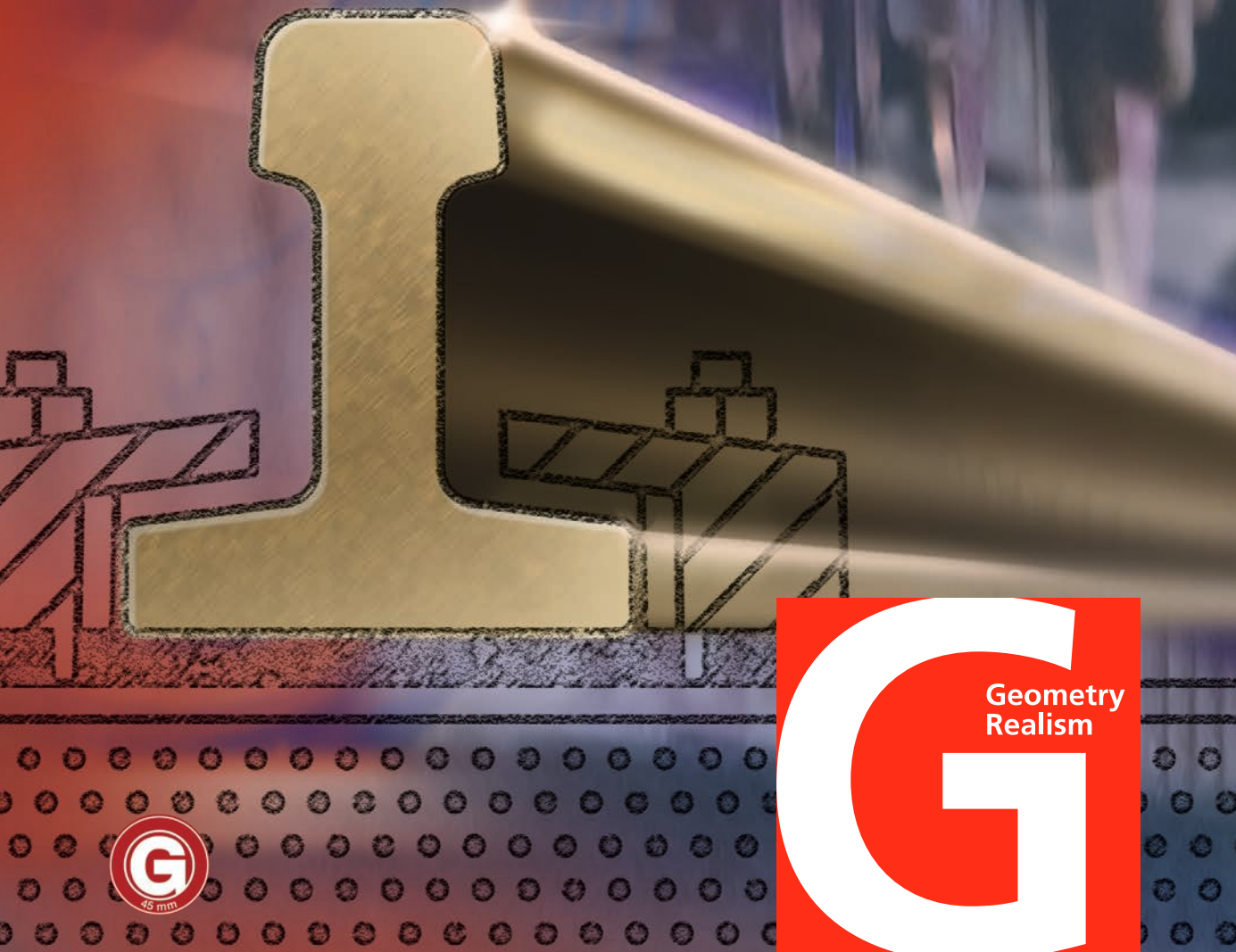
PIKO

MODEL TRAINS & MODEL BUILDINGS

G

PIKO G-Track

FOR INDOORS AND OUT



PIKO G-Track



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

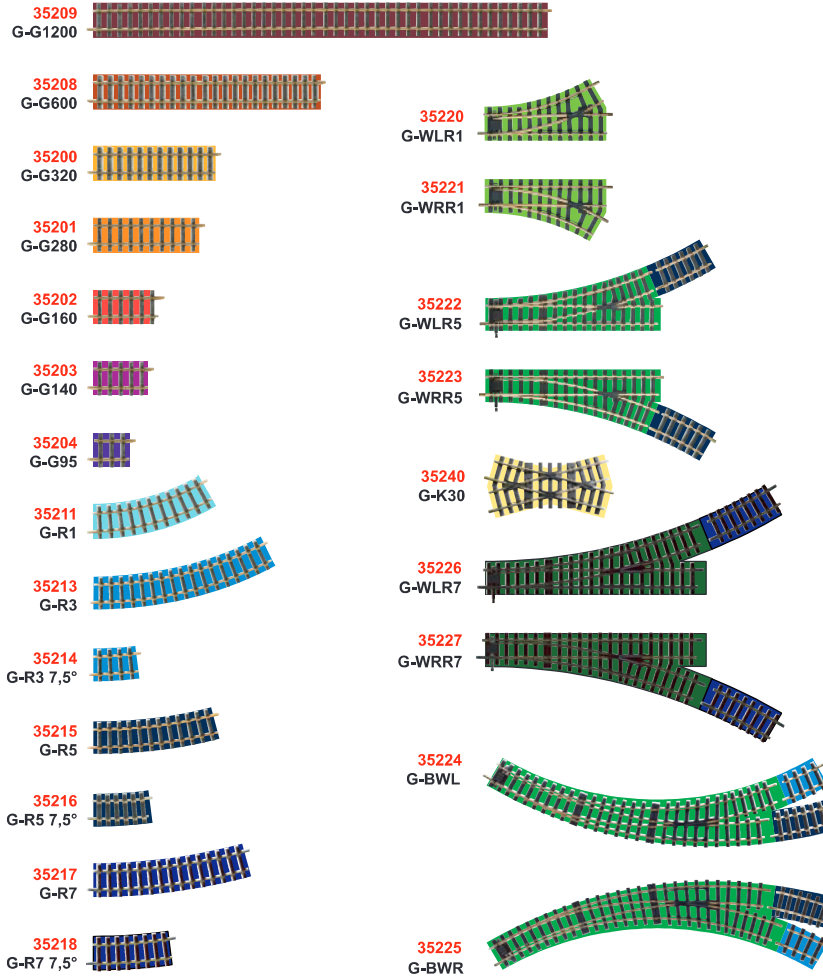


The PIKO G-Track System - G-Track for Indoors and Out

- 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 for unlimited expansion possibilities.



PIKO G-TRACK SYSTEM



G-G1200 **35209** Straight Track, 47.24" (1200 mm)

G-G600 **35208** Straight Track, 23.62" (600 mm)

G-G320 **35200** Straight Track, 12.66" (320 mm)

G-G280 **35201** Straight Track, 10.96" (280 mm)

G-G160 **35202** Straight Track, 6.30" (160 mm)

G-G140 **35203** Straight Track, 5.48" (140 mm)

G-G95 **35204** Straight Track, 3.74" (95 mm)

G-R1 **35211** Curved track 30°, r = 23.62" (600 mm)

G-R3 **35213** Curved track 30°, r = 36.28" (922 mm)

G-R3 7,5° **35214** Curved track 7,5°, r = 36.28" (922 mm)

G-R5 **35215** Curved track 15°, r = 48.94" (1,243 mm)

G-R5 7,5° **35216** Curved track 7,5°, r = 48.82" (1,200 mm)

G-R7 **35217** Curved track 15°, r = 61.61" (1,565 mm)

G-R7 7,5° **35218** Curved track 7,5°, r = 61.61" (1,565 mm)

G-WLR1 **35220** Manual Switch, Left, R1, 30°

G-WRR1 **35221** Manual Switch, Right, R1, 30°

G-WLR5 **35222** Manual Switch, Left, R5, 22,5°+R5 7,5°

G-WRR5 **35223** Manual Switch, Right, R5, 22,5°+R5 7,5°

G-K30 **35240** Crossing, 30°

G-WLR7 **35226** Manual Switch, Left, R7, 22,5°+R7 7,5°

G-WRR7 **35227** Manual Switch, Right, R7, 22,5°+R7 7,5°

G-BWL **35224** Manual Curved Switch, Left

G-BWR **35225** Manual Curved Switch, Right

4

A VERSATILE SYSTEM FOR ALL LAYOUTS

The 600 mm Module – The Starting Point

The basis for the design of the PIKO G-Track is a 23.62" x 6.33" (600 x 160 mm) 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 23.62" (600 mm) is made up using two different lengths, 12.66" (320 mm) and 10.96" (280 mm). 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 23.62" (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.

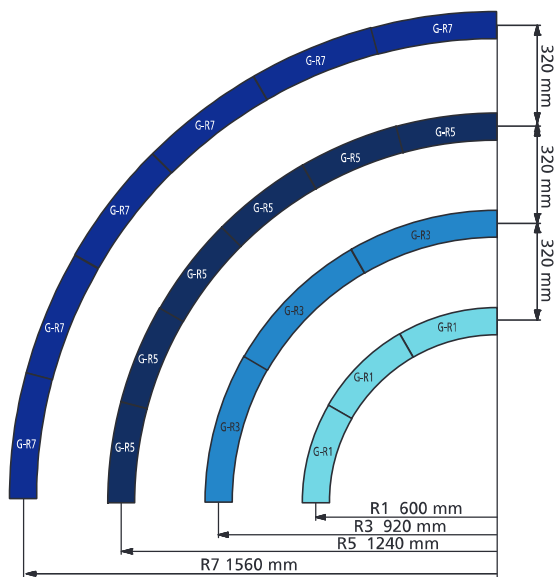
The Basic Radius The PIKO G-Track offers 4 basic radii with a parallel spacing of 12.66" (321.54 mm) (nominally 320 mm).

G-R1 curved track 30°, r = 23.62" (600 mm)

G-R3 curved track 30°, r = 36.28" (921.54 mm)

G-R5 curved track 15°, r = 48.94" (1,243.08 mm)

G-R7 curved track 15°, r = 61.61" (1,564.62 mm)



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 and G-R7. The 12.66" (320 mm) 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 6.34" (160 mm) 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 can be screwed onto any switch to convert it to electrical operation.

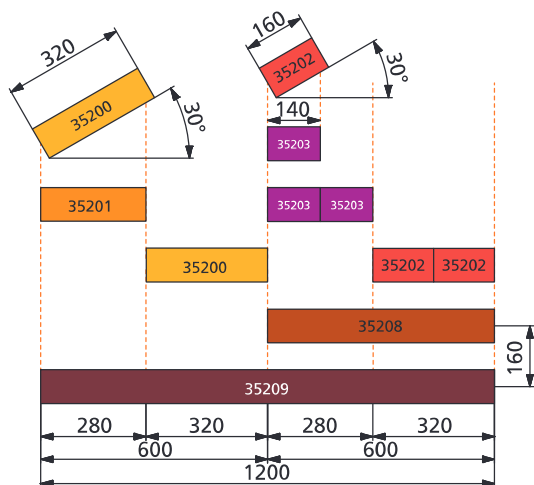
Details The finely reproduced spike and bolt details which fix the rails to the ties in the original are designed so that all standard wheel sets can run smoothly over all elements of the PIKO G-Track.

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 fitted onto any track.

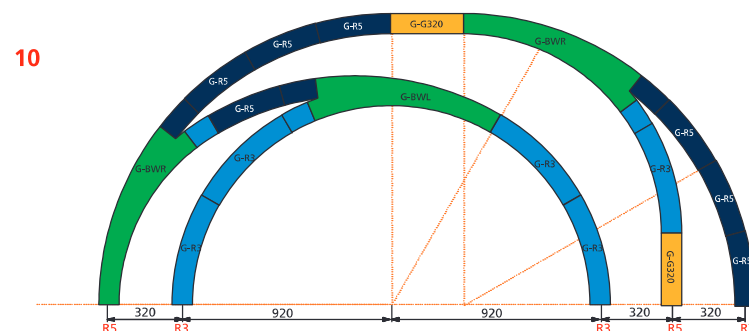
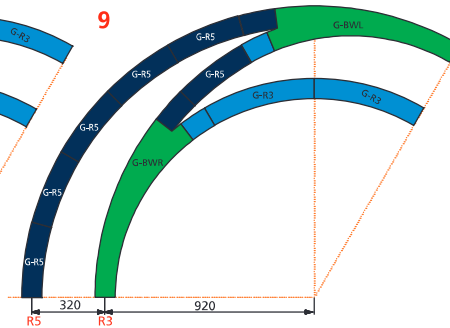
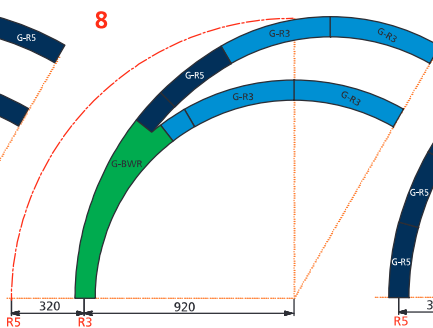
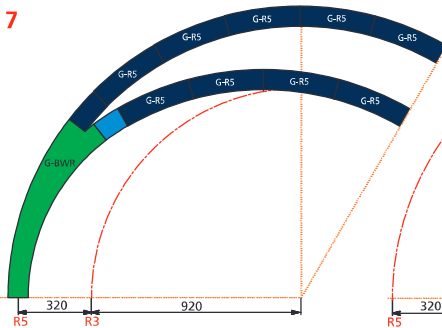
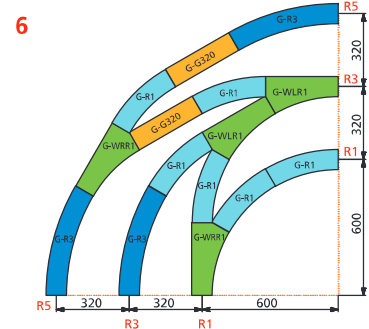
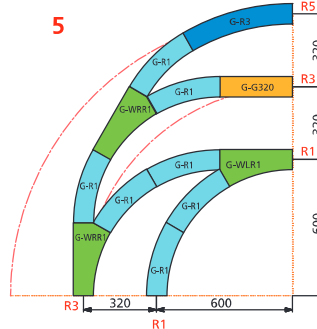
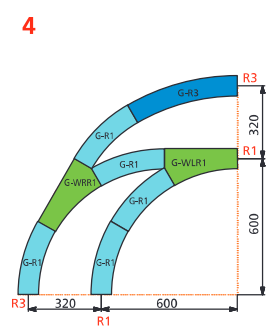
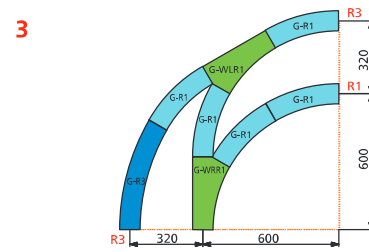
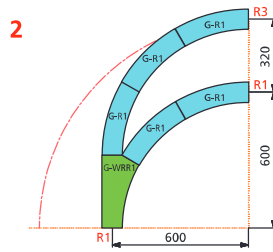
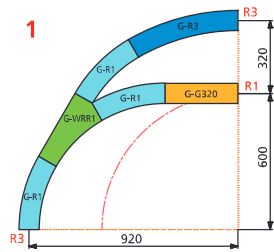
PIKO G-Track offers the following straight tracks:

- G-G320** Straight track 12.66" (320 mm), together with G-G280 35200 straight track makes up module length of 23.62" (600 mm)
- G-G280** Straight track 10.96" (280 mm), together with G-G320 35201 straight track makes up module length of 23.62" (600 mm)
- G-G160** Straight track 6.33" (160 mm), 2 x G-G160 make up G-G320 track
- G-G140** Straight track 5.48" (140 mm), 2 x G-G140 make up G-G280 track
- G-G95** Straight track 3.74" (95 mm) 35204
- G-G1200** Straight track 47.24" (1200 mm) 35209
- G-G600** Straight track 23.62" (600 mm) 35208



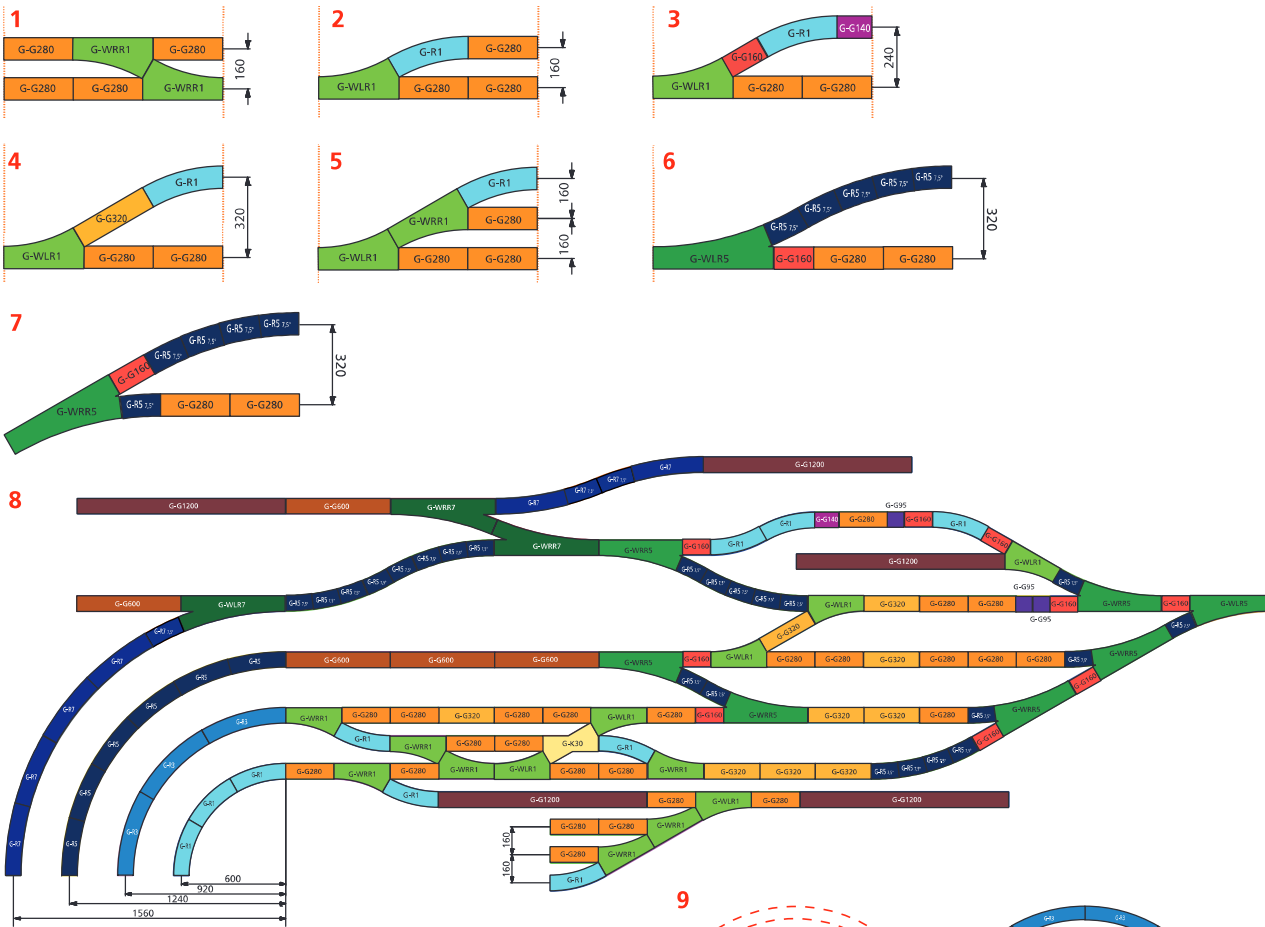
6

FROM ONE TRACK TO THE NEXT ...



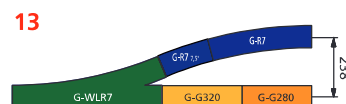
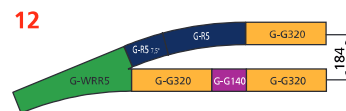
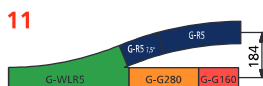
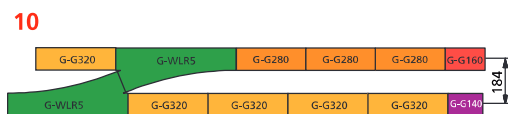
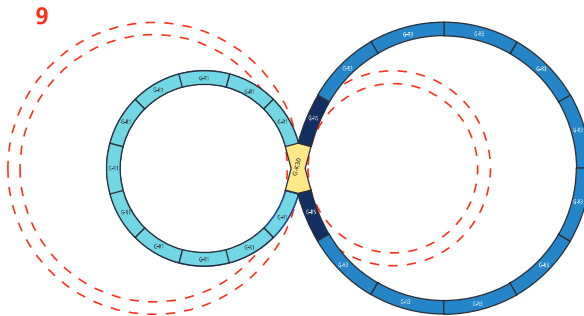
Geometric Examples (clockwise travel):

- 1 From Radius R3 to R3 or R1
- 2 From Radius R1 to R1 or R3
- 3 From Radius R1 to R1 or R3 and from R3 to R3
- 4 From Radius R1 to R1 and from R3 to R1 or R3
- 5 From Radius R1 to R1 and from R3 to R1 or R3 or R5
- 6 From Radius R1 to R1 and from R3 to R3 and from R5 to R3 or R5
- 7 From Radius R5 to R5 or R3
- 8 From Radius R3 to R5 or R3
- 9 From Radius R5 to R5 and from R3 to R5 or R3
- 10 From Radius R3 to R3 and from R5 to R3 or R5 or R7



Geometric Examples:

- 1 R1 Single crossover from one track to a parallel track
 - 2 R1 Transition from one track to a parallel track
 - 3 R1 Transition from one track to a parallel track with larger spacing (for platform)
 - 4 R1 Transition from one track to parallel track with double spacing
 - 5 R1 Transition from one track to 3 parallel tracks
 - 6 R5 Transition from one track to parallel track with double spacing
 - 7 R5 Transition from one track from Radius R5 to parallel track with double spacing
 - 8 Complex yard area with parallel track spacing
 - 9 "Unequal" Figure 8 layout with R1 and R3 radius
- To build an "Equal" Figure 8 layout, simply build the desired half twice and join the two halves with the # 35240 30° crossing.



- 10 R5 Single crossover from one track to a parallel track with minimum spacing
- 11 R5 Transition from one track to a parallel track with minimum spacing
- 12 R5 Transition from one track from Radius R5 to parallel track with minimum spacing
- 13 R7 Transition from one track from Radius R7 to parallel track with minimum spacing

Examples 10-13 show some popular arrangements, but do not fit exactly to the PIKO Geometric Module.

In some situations, it may be desirable to modify track lengths, using #35421 Mini-Hacksaw and #35290 Metal Rail Joiners.

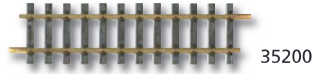
8

TRACK SECTIONS

Straight Track

G-G320 35200 Straight Track, 12.60" (320 mm)

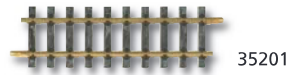
Length 12.66" (321.54 mm). G-G320 + G-G280
make up module length of 23.62" (600 mm)



35200

G-G280 35201 Straight Track, 10.96" (280 mm)

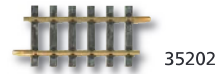
Length 10.96" (278.46 mm). G-G280 + G-G320
make up module length of 23.62" (600 mm)



35201

G-G160 35202 Straight Track, 6.30" (160 mm)

Length 6.33" (160.77 mm). 2 x G-G160
equal length of G-G320 track



35202

G-G140 35203 Straight Track, 5.51" (140 mm)

Length 5.48" (139.23 mm). 2 x G-G140
equal length of G-G280 track



35203

G-G95 35204 Straight Track, 3.74" (95 mm)

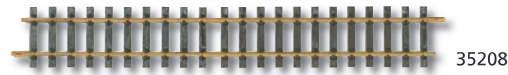
Length 3.79" (96.15 mm). Parallel track for a 60° crossing



35204

G-G600 35208 Straight Track, 23.62" (600 mm)

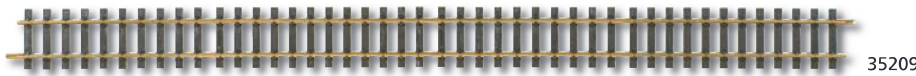
Length 23.62" (600 mm).
Corresponds to module length 23.62" (600 mm)



35208

G-G1200 35209 Straight Track, 47.24" (1200 mm)

Length 47.24" (1200 mm). Corresponds to 2 x module length of 23.62" (600 mm)

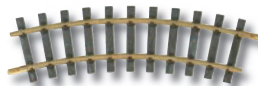


35209

Curved Track

G-R1 35211 Curved Track, R1, 23.62" (600 mm)

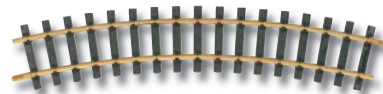
Center Line Radius = 23.62" (600 mm)/30°. 12 pcs./circle



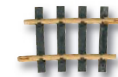
35211

G-R3 35213 Curved Track, R3, 36.22" (920 mm)

Center Line Radius = 36.28" (921.54 mm)/30°. 12 pcs./circle



35213



35214

G-R3 7.5° 35214 Curved Track, R3, 7.5°, 36.22" (920 mm)

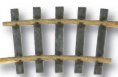
Center Line Radius = 36.28" (921.54 mm)/7.5°. 48 pcs./circle

G-R5 35215 Curved Track, R5, 48.82" (1240 mm)

Center Line Radius = 48.94" (1,243.08 mm)/15°. 24 pcs./circle



35215



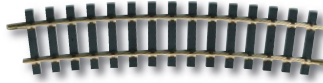
35216

G-R5 7.5° 35216 Curved Track, R5, 7.5°, 47.24" (1200 mm)

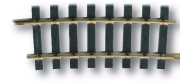
Center Line Radius = 48.82" (1,240 mm)/7.5°. 48 pcs./circle

G-R7 35217 Curved Track G-R7, 61.61" (1565 mm)

Center Line Radius = 1.564,6 mm (61.60")/15°,
24 pcs./circle



35217



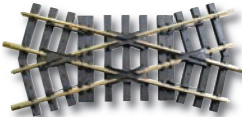
35218

G-R7 7,5° 35218 Curved Track G-R7, 7,5°, 61.61" (1565 mm)

Center Line Radius = 1.564,6 mm (61.60")/7,5°, 48 pcs./circle

Switches and Crossing**G-K30 35240 Crossing, 30°**

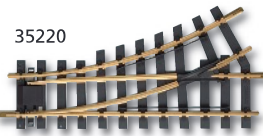
Straight tracks = G320



35240

G-WLR1 35220 Manual Switch, Left, R1, 30°

Straight track = G-G320, curved track = G-R1.
Compatible electric switch machine #35271



35220

G-WRR1 35221 Manual Switch, Right, R1, 30°

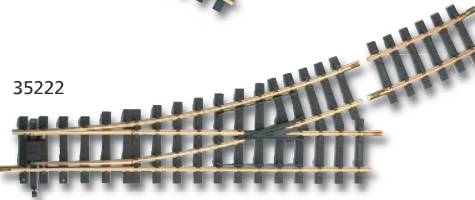
Straight track = G-G320, curved track = G-R1.
Compatible electric switch machine #35271



35221

G-WLR5 35222 Manual Switch, Left, R5, 22.5°

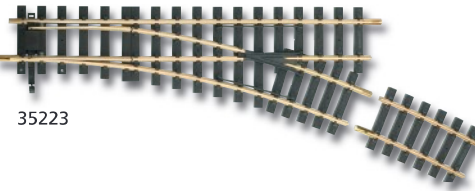
Curved track = 3 x Curve G-R5 7.5°
Straight track = G-G320 + G-G160
Package includes one Curve G-R5 7.5°
Compatible electric switch machine #35271



35222

G-WRR5 35223 Manual Switch, Right, R5, 22.5°

Curved track = 3 x Curve G-R5 7.5°
Straight track = G-G320 + G-G160
Package includes one Curve G-R5 7.5°
Compatible electric switch machine #35271



35223

G-WLR7 35226 Manual Switch, Left, R7, 22.5°

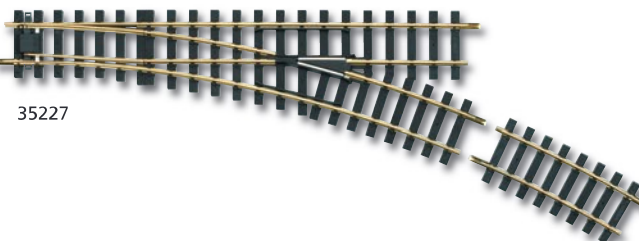
Curved track = 3 x Curve G-R7, 7.5°
Straight track = G-G600, 23.62" (600 mm)
Package includes one Curve G-R7 7.5°
Compatible electric switch machine #35271



35226

G-WRR7 35227 Manual Switch, Right, R7, 22.5°

Curved track = 3 x Curve G-R7, 7.5°
Straight track = G-G600, 23.62" (600 mm)
Package includes one Curve G-R7 7.5°
Compatible electric switch machine #35271



35227

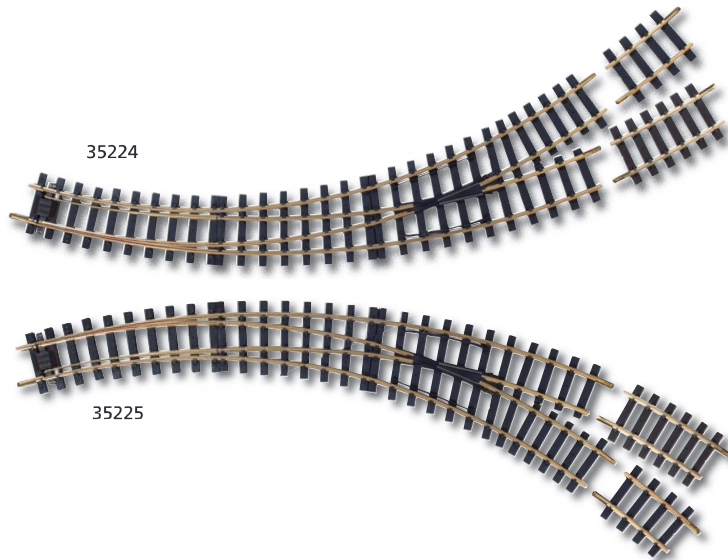
Switches

G-BWL 35224 Manual Curved Switch, Left R3-R5

Inner Curve = Curve G-R3, 52.5°
 Radius 36.26" (921 mm)
 Outer Curve = Curve G-R5, 37.5°
 Radius 47.24" (1200 mm)
 Package includes G-R3 7.5° and G-R5 7.5°
 Compatible electric switch machine #35271

G-BWR 35225 Manual Curved Switch, Right R3-R5

Inner Curve = Curve G-R3, 52.5°
 Radius 36.26" (921 mm)
 Outer Curve = Curve G-R5, 37.5°
 Radius 47.24" (1200 mm)
 Package includes G-R3 7.5° and G-R5 7.5°
 Compatible electric switch machine #35271



Flexible Track

G-SB320 Tie Section, 320 mm

Tie strip for construction of flexible track. Matches to a rail length of 12.66" (321,54 mm). G-SB320 + G-SB280 make up the module length of 23.62" (600 mm)

G-SB280 Tie Section, 10.96" (280 mm)

Tie strip for construction of flexible track. Matches to a rail length of 10.96" (280 mm). G-SB280 + G-SB320 make up the module length of 23.62" (600 mm)

**G-P3000 Rail Section, 118" (3000 mm)**

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 118" (3 m) of track.

G-P1500 Rail Section, 59" (1500 mm)

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 59" (1.5 m) of track.



ACCESSORIES

11



35292

35292 Insulated Rail Joiners, 6 Pieces

Insulated joiners made of ultra-violet and weather-resistant plastic.



35285

35285 Track Clips, 14 Pieces

Use to secure track sections together on temporary layouts.



35266

35266 Switch Lantern, Lighted
Lighted lantern mounts to PIKO #35271 Switch Machine and changes to indicate setting of switch points.

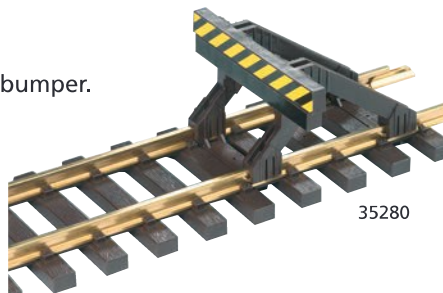


35271

35271 Electric Switch Machine
Water-proof electric switch machine for all switches

35280 Bumper

Typical railroad end-of-track bumper. Secures easily to track.



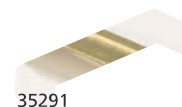
35280



35290

35290 Metal Rail Joiners, 20 Pieces

Sturdy brass material to securely join rails. For replacement or for use with flexible track.



35291

35291 Metal Tie Joiners, 20 Pieces

Sturdy brass clips to join flexible tie sections.



35293

35293 Rail Clamp On-Rail, 10 pieces

An ideal method for joining rails together and keeping good long-term electrical contact, even outdoors. Fits directly on PIKO rail. Package includes hex wrench to tighten screws securely.



35294

35294 Rail Clamp Over-Joiner, 10 pieces

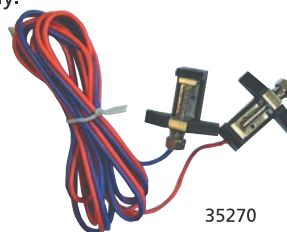
Fits over the original PIKO rail joiners. Useful for restoring good electrical contact to existing track joints or other situations where removing the joiner is not desired. Includes hex wrench to tighten screws securely.



35265

35265 Relay Contacts

These waterproof double-pole double-throw relay contacts mount to PIKO #35271 Switch Machine and can be used for many automatic control functions.



35270

35270 Power Clamp, 1 Pair

With heavy-duty cable. Use for track power connection

35030 Automatic shuttle, analog

The PIKO automatic shuttle contains:

- splash-proof electronics
- insulated track connectors
- connecting terminals with cable

With the automatic shuttle, your train can travel between two train stations.

It features the following functions:

- Approach and brake delay
- Adjustable waiting time in train stations
- Overload and protective circuit fuse

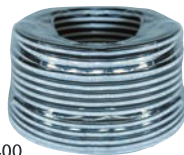
Notice! This product cannot be used with digital, multi-train systems.



35030

35400 Black/White Cable 25 m

Width 1,5 mm², UL2468 16AWG



35400

35401 Blue/Red Cable 25 m

Width 1,5 mm², UL2468 16AWG



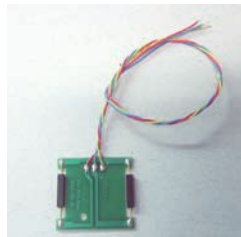
35401



35402

35402 Orange/White Cable 25 m

Width 1,5 mm², UL2468 16AWG

**35267 Reed Switch Assembly**

For triggering bell & whistle sounds on the 36194 Sound Unit, via 35268 Track Magnets

35268 Track Magnet

For triggering Reed Switch contacts, such as 35267

35268
35272**35272 Track Contact**

Contact for controlling switches, signals and other accessories, triggered by the loco magnet # 35269

35269 Loco Magnet

For triggering track contact #35272, adhesive-backed, 58 x 24 x 3 mm



35269

35260 Switch Control Box

Weather-resistant control for operating 4 switches or signals



35260

35261 On/Off Control Box

Weather-resistant control with 4 double-pole on/off switches to control 4 different electric circuits, such as tracks or lights.



35261



35002

35002 Throttle, 5 Amp

Electronic controller for analog operation

Input: max. 18 V / 5 A AC or max. 22 V / 5 A DC

Output: 0-20 V / max. 5 A DC



35006/35027

35025

35006 Throttle, 1.5 Amp

Electronic controller for analog operation

Input: max. 22 V / 1.6 A DC only

Output: 0-20 V / 1.5 A DC, constant 16 V DC, 0.4 A

35027 45 Watt Analog Power Set, 120 V

Transformer: 120 V AC Safety-Approved Switching Power Supply, Output 24 V DC / 45 VA

Electronic Throttle: Output 0-20 V DC / 1.5 A, Constant 16 V DC / 0.4 A



35000

35000 Power Supply 100 VA*, IP67**

Weather-resistant power supply for PIKO Speed control #35002

Input: 230 V AC

Output: 22 V / 100 VA DC



35005

35005 Power Supply 32 VA*, IP67**

Power supply for PIKO Speed control #35006 and Switch Control Boxes #35260 and #35261

Input: 230 V AC

Output: 22 V / 32 VA DC



35020

35020 Power Supply 120 VA*

Power supply for PIKO Throttles #35002 and #35006, as well as the #35010 Digital Central Station.

Input: 120 V AC

Output: 24 V / 120 VA DC



35025

35025 Power Supply 45 VA*

Power supply for PIKO Throttle #35006, as well as control boxes 35260 and 35261.

Input: 120 V AC

Output: 24 V / 45 VA DC

** Notice to IP67:

The new PIKO power supplies for outdoors are in accordance with the International Protection classes of DIN EN 60529 - Total protection against contact, protection against penetration of dust and protection against temporary immersion.

* Item numbers for the American market only: #35020 and #35025, Transformers 35000 and 35005 not available in the American market.

14

ACCESSORIES



35411 Track Cleaning Set

1 Track Cleaning Block
5 Track Cleaning Pads
100 ml Cleaning Fluid



35413 Track Polishing Pads, 2 Pcs., 140 mm x 100 mm



35412 Track Cleaning Pads, 10 Pcs., 140 mm x 100 mm



36039 Uncoupling Wand
For easy uncoupling of standard hook-and-loop couplers on most G-Scale trains



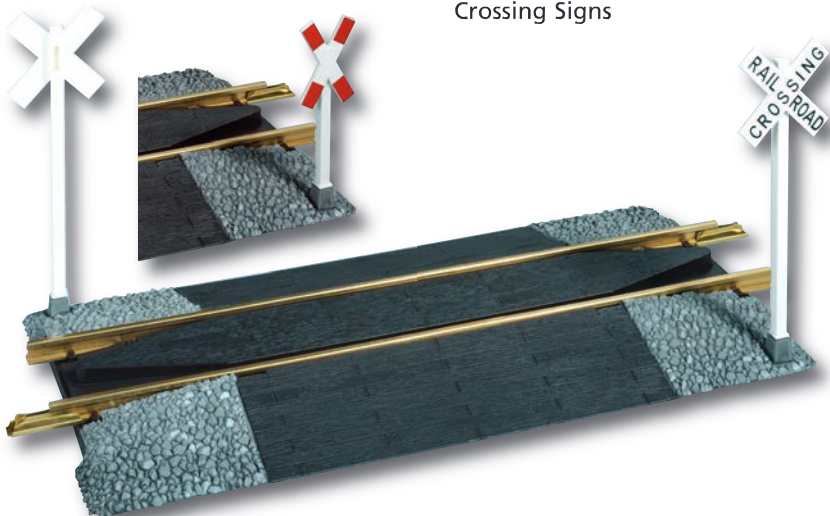
35420 Set Screwdriver, 4 Pcs.
High-precision, suitable for PIKO G items.
Contains 2 Phillips, no. 0 and 1 and 2 Flat Blade Screwdrivers 2,5 mm and 4 mm.



36215 Conductive Paste, 50 ml
Helps keep out corrosion-causing moisture - especially important for garden railroads. Use in rail joiners, in RailClamps, on electrical terminals such as switch machines and even on electrical contacts of locos and lighted cars.

35281 Rerailer / Grade Crossing with American and German Crossing Signs
12.7 x 6.1 x 5.1 "
ca. 322 x 155 x 130 mm

Contents:
2 x Side Ramp Pieces
1 x Center Rerailer Piece
1 x 35200 Track G320
2 x US Railroad Crossbucks
2 x German Railroad Crossing Signs



35421 Mini-Hacksaw
With low-wear metal-cutting blade.
Ideal for cutting PIKO G track rails.



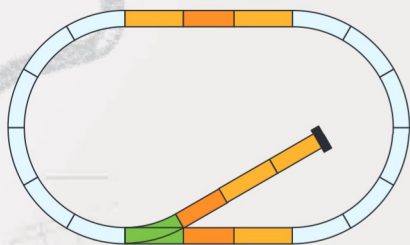
35414 Cleaning Fluid, 250 ml

TRACK SETS – FOR GROWING RAILROADS

The PIKO G-Track sets have been designed to allow both beginners and experienced modellers using the PIKO G-Track system for the first time to build up a basic stock of tracks at a reasonable price. The uncomplicated, clear design of the PIKO G-Track permits continuous expansion of existing track designs in easy steps.

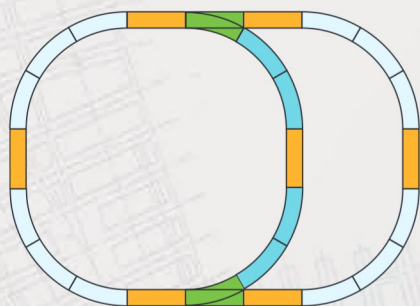
The sets contain the pieces shown in color in the track diagrams, which conform throughout to the PIKO G-Track system color coding.

The switches included in track sets may be converted at any time into electric switches by installing a #35271 switch machine.



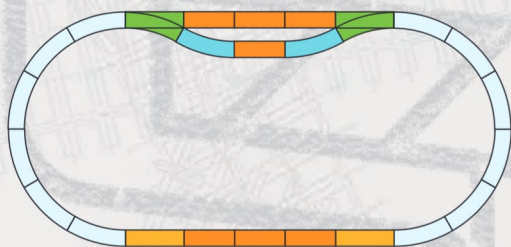
35301 Siding Track Set

- 1 x 35280 Buffer Stop
- 1 x 35220 WLR1 (Switch left)
- 5 x 35200 G320 (Straight track 12.60")
- 3 x 35201 G280 (Straight track 11.02")
- Floor area:** 7.38' x 4.26' (225 x 130 cm)
- Minimum area for assembly:** 8.04' x 4.92' (245 x 150 cm)



35302 Double Oval Track Set

- 1 x 35220 WLR1 (Switch left)
- 1 x 35221 WRR1 (Switch right)
- 4 x 35211 R1 (Curved track R1 23.62")
- 7 x 35200 G320 (Straight track 12.60")
- Floor area:** 7.55' x 5.25' (230 x 160 cm)
- Minimum area for assembly:** 8.20' x 5.91' (250 x 180 cm)



35300 Station Track Set

- 1 x 35220 WLR1 (Switch left)
- 1 x 35221 WRR1 (Switch right)
- 2 x 35211 R1 (Curved track R1 23.62")
- 2 x 35200 G320 (Straight track 12.60")
- 7 x 35201 G280 (Straight track 11.02")
- Floor area:** 9.19' x 4.26' (280 x 130 cm)
- Minimum area for assembly:** 9.84' x 4.92' (300 x 150 cm)



35310 Track and Power Set

- 12 x 35211 R1 (Curved Track R1 23.62")
- 14 x Track Clips
- 1 x Power Clamp w/Wires
- 1 x Analog Throttle, Basic
- 1 x Safety-Approved Transformer, 120 V
- Floor area:** 4.26' x 4.26' (130 x 130 cm)
- Minimum area for assembly:** 4.92' x 4.92' (150 x 150 cm)

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