UNI.Track

- The Unijoiner reliably and securely connects track sections together time after time, minimizing the potential of frustrating breaks in the rail and derailments.
- Code 83 Nickel Silver Rail is used for optimal model performance.

UNITRACK Turnouts meet your operational needs for both Analog DC and DCC (Digital Command Control) environments.

**Analog DC & Manual Turnout**

This setting is ideal for controlling a train you desire, while parking other trains on the siding under a KATO Power Pack environment.

- 2-840 Manual Turnout
- 22-014 KATO Power Pack

**DCC & Manual Turnout**

This setting is ideal for controlling multiple trains at the same time under a DCC Digitrax "Zephyr" environment with a KATO Power Pack connected to "Zephyr" JUMP Port as the second control source.

- Set to Non-Power Routing
- 2-840 Manual Turnout
- 22-014 KATO Power Pack

**Analog DC & Remote Turnout**

This setting is ideal for controlling the switch from a switch controller, like a "real" dispatcher, under an analog KATO Power Pack environment. An optional Turnout Control Switch (24-840) and a DC Turnout Machine (2-503) is required.

- Set to Power Routing
- 2-840 Manual Turnout
- 2-503 DC Turnout Machine, Left

**DCC & Remote Turnout**

(a) With DC Turnout Machine (2-503):

(b) With DCC Turnout Machine (sold by Digitrax):

- This setting is ideal for two-train operation on the same track. With controlling the switch from a switch controller, be a "real" engineer and dispatcher, under a DCC Digitrax "Zephyr" environment with a KATO Power Pack connected to "Zephyr" JUMP Port as the second control source.

- Set to Non-Power Routing
- 2-503 DC Turnout Machine, Left
- Digital controller 22-014

- Set to Non-Power Routing
- Digital controller 22-014

**3-102**

**HO Basic Unitrack Set**

This basic starter set builds an approximate 6’11” x 3’10” oval layout. Use the HO Track set as packaged for the simplest of operations, or combine it with additional Unitrack sections and turnouts to create a larger and more elaborate layout.

- S246 x 7
- S246F x 1
- R550-22.5 x 16
- Power Pack Adapter Cord 1

**3-103**

**HO Unitrack WGH Plan Set**

Contains all of the track needed to fully build the 4’ x 8’ layout, recommended as the best layout plan in the World’s Greatest Hobby video, “Building Your First Layout.” Turnouts are selectable for Power Routing with DC operation and for Non-Power Routing with DCC operation.

- P490L x 2
- P490R x 2
- S246 x 4
- S246F x 1
- R400-22.5 x 29
- S174 x 4
- S123 x 4
- S109B x 2
- Power Pack Adapter Cord 1

*Layout Size: 6’11”x3’10”*
The feature of UniJoiner maximizes the tolerance of asperity on the surface of tables, shelves or floors. The UniJoiner maximizes the tolerance of selecting track pieces to meet your layout plan configurations.

A "block" is a section of track long enough to hold a complete train (minimum requirement) on the main line or short enough to hold just a locomotive on a siding in a yard. This makes it ideal for additional operations and controls under DCC (Digital Command Control) and which also allows for more advanced train detection.

### Straight Track

1. **2-105** 60mm (2 3/8")
   Straight Track (4ea.)
2. **2-111** 94mm (3 11/16")
   Straight Track (2ea.)
3. **2-120** 114mm (4 1/2")
   Straight Track (4ea.)
4. **2-130** 174mm (6 7/8")
   Straight Track (4ea.)
5. **2-140** 123mm (4 7/8")
   Straight Track (4ea.)
6. **2-150** 246mm (9 3/4")
   Straight Track (4ea.)
7. **2-151** 246mm (9 3/4")
   Feeder Track
8. **2-160** 227mm (8 15/16")
   Straight Track (2ea.)
9. **2-170** 109mm (4 1/4")
   Bumper Track (2ea.)
10. **2-180** 369mm (14 1/2")
    Straight Track (4ea.)
11. **2-193** 149mm (5 7/8")
    Straight Track (2ea.)
12. **2-401** 60mm (2 3/8")
    90° Crossing

### Curve Track

1. **2-210** 530mm (21 5/8")
   Radius 22° Curve Track (4ea.)
2. **2-220** 610mm (24")
   Radius 22° Curve Track (4ea.)
3. **2-230** 670mm (26 3/8")
   Radius 22° Curve Track (4ea.)
4. **2-240** 720mm (28 3/4")
   Radius 22° Curve Track (4ea.)
5. **2-250** 790mm (31 1/8")
   Radius 22° Curve Track (4ea.)
6. **2-260** 430mm (16 7/8")
   Radius 22° Curve Track (4ea.)
7. **2-270** 490mm (19 1/4")
   Radius 22° Curve Track (4ea.)
8. **2-290** 867mm (34 1/8")
   Radius 18° Curve Track (2ea.)

### Turnouts & Turnout Machines

1. **2-840** Left Manual Turnout with 490mm (19 1/4")
   Radius Curve
2. **2-841** Right Manual Turnout with 490mm (19 1/4")
   Radius Curve
3. **2-862** 857mm (34 1/8")
   Radius Curve
4. **2-863** 857mm (34 1/8")
   Radius Curve
5. **2-503** DC Turnout Machine, Left
   For 2-840 & 2-862
6. **2-504** DC Turnout Machine, Right
   For 2-841 & 2-863

### Additional Components

- **2-502** Retailer
  - The Retailer is a guide that is placed on top of the track and allows you to easily guide your cars and locomotives onto the track.

- **24-039** Unitrack Ballast (200gram)
  - Ballast mixed to match Unitrack and used to ballast areas between tracks, and blend roadbed to surrounding scenery.

- **24-815** UniJoiner (20pcs.)
  - UniJoiner’s (track connector) simple design provides reliable and secure connections between tracks.

- **24-816** Insulated UniJoiner (20pcs.)
  - Insulated UniJoiners are used for electrically separating sections ‘blocks’ on your layout.

- **24-818** Terminal UniJoiners
  - Terminal UniJoiners are wired, and replace the Feeder Track. They make it easy to feed power to curves, between switches and areas you do not want to plan a small piece of straight track.

- **24-825** DC Extension Cord
  - The DC Extension Cord is used to extend the wire distance between Power Pack and track power feeds. It plugs into the power cord from the power, and into the plug from the track power cord.

- **24-827** 3-Way Extension Cord
  - The 3-Way Extension Cord, simplifies wiring by allowing you to connect 3 items together to a power feed.

- **24-840** Turnout Control Switch
  - The turnout Control Switch is used at the power pack location, to throw a turnout on the layout.

- **24-841** Turnout Extension Cord
  - The Turnout Extension Cord is used to extend the wire distance between the Turnout Control Switch and Turnout.

- **24-842** DC Converter for Turnout Control Switches
  - The DC Converter is connected to power supply's 18V AC Output and converts the AC to DC for use by the Turnout Switch Control.

- **24-843** Power Pack Adapter Cord
  - Connect Kato plugs to any power pack screw terminals