

ORDERING INFORMATION

PLEASE HAVE THE FOLLOWING INFORMATION AVAILABLE:

1. Model number and switch number.
2. Track hanger length. Measure from bottom of track support to bottom of meat rail.
3. Finish choice. Galvanized finish is standard. Stainless steel is also available.
4. Any switch variations (such as 90 degree or 45 degree, curved track, sloping or extended end, bolt-on bridge, etc.).
5. Specify style of trolley (double, single, shackle, etc.) and load capacity.

SHIPPING

When you receive a shipment, please inspect the equipment for any damage or shortages as soon as possible after receipt. Report any discrepancies immediately.

GUIDE TO ORDERING SWITCHES

Ordering Track Switches

When you know what switch you need, ordering switches can be easy. This guide is designed to help you determine which switch you need. If you need additional information, please call us and we will be happy to help.

Determining the Switch You Need

1. Model

The use of automatic and gear operated switches is determined by the direction of product flow.

Automatic – if product flows from the curve onto the straight rail (converging rails), an automatic switch is recommended. The weight and forward motion of the loaded trolley throws the switch, closing one rail and opening the other. An automatic switch can be operated manually, but it is not necessary. All Power Standard Automatic Switches are designated by numbers; for example - 4002 is for 1500 pound capacity.

Gear Operated – When product comes from the straight rail and flows onto the curve (diverting rails), a gear switch is recommended. A gear operated switch must always be thrown manually. All Power Standard Gear Switches are designated by numbers; for example - 4009 is for 1500 pound capacity.



Converging Rails Automatic Switch



Diverting Rails Gear Operated

2. Type of Switch

There are different types of automatic and gear switches. These types depend on the trolley load capacity and on whether the rail system is powered or non-powered. Check the hanger drop (the distance from the bottom of the support beam to the bottom of the rail or track) to ensure that the switch will fit your system. Please note: Switches are available with 90 degree or 45 degree curves. Please specify which curve you require.



3. Switch Order Code

To ensure that the switch you order is compatible with your system, please use order codes. These consist of a number and a letter, such as 1R, 2L, 3R, etc. A detailed explanation is on the following pages.

4. Finish

All switches are a standard electro-galvanized finish. Some switches are also available in stainless steel. Please specify.

Understanding Switch Charts and Order Charts

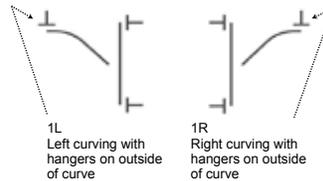
The switch chart illustrations are categorized according to three basic track and switch configurations. These are used to determine the order codes. A switch code consists of a number and a letter, which is determined by two factors: The position of the hangers, and the directions in which the track curves.

To begin, position yourself under the track with the curve going out and away from you.



1L, 1R, 2L and 2R Track Switches

As you look up and along the straight rail, standing in the position shown above, in which direction does the track curve? If the track curves to the right, the letter in the code will be "R", if the track curves to the left, the letter will be "L". Once you have determined this, move over a few steps so that you are standing under the inside of the curve and look up at the hangers.



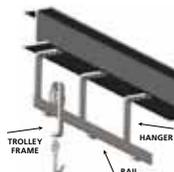
1L Left curving with hangers on outside of curve

1R Right curving with hangers on outside of curve

3 WAY L NOTE: HANGERS INSIDE LEFT CURVE

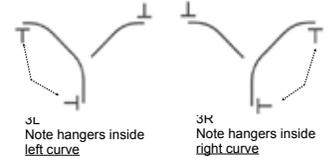
The position of the hanger, which attaches to the support structure and holds the track and switch in place, determines the number in the switch code. The hangers will be either on the inside or the outside of the curve. If the hangers are on the inside of the curve, the number in the switch code will be "2". If the hangers are on the outside of the curve, the number in the switch code will be "1". When the hangers are on the outside of the curve, you will not be able to see all of it from where you are standing inside the curve; you will have to walk forward to the other side of the curve to see the entire length of the hanger.

Hint: The position of the trolley frame determines the hanger position. The trolley always rides the rail on the opposite side of the hanger. If the trolley frame is on the inside of the curve, it is a number "2" switch. In this case, you will be able to see the entire hanger from your position inside the curve.



3L and 3R Track Switches

When the rail curves both to the left and to the right, the letter "L" or "R" in the switch code is determined only by the position of the hangers. Look for the side that has the hangers on the inside of the curve. If the hangers are inside the left curve, the switch will be an "L" switch. Hangers inside the right curve make it an "R" switch. A track switch for a rail configuration of this type always uses the number "3" in the code.

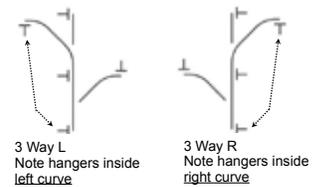


3L Note hangers inside left curve

3R Note hangers inside right curve

3-Way L and 3-Way R Track Switches

L or R letters in the switch codes for a "three-way" switch are determined in the same manner as the 3L or 3R track switch. The numerical part of the switch code for a three-way track switch is always "3-Way."



3 Way L Note hangers inside left curve

3 Way R Note hangers inside right curve

Special Switches

All Power can fabricate a custom switch to fit your unique requirements. Please call us with your request, or send us your layout.

Summary

All Power representatives need the following information to ensure that you receive the switch that fits your track system:

1. Model of Switch (gear operated or automatic)
2. Type of Switch
 - a. Load Capacity? (1500 pound, 2000 pound, etc.)
 - b. 45 degree or 90 degree curve?
 - c. Powered or non-powered rail?
 - d. Specify Hanger Drop (bottom of beam to bottom of track)
3. Switch Code (1L, 1R, 2L, 2R, 3L, 3R, 3 Way L, or 3 Way R)
4. Finish (galvanized or stainless steel)
5. Quantity (note: systems discounts are available)