

PNR 2G - Chair for 21mm High (2lb Yard Rail) Assembly Instructions



This instruction sheet is applicable for the following components:

- PNR-9K - 3½" Gauge Sleeper
- PNR-8A - 5" True Scale Sleeper
- PNR-1T-A - 5" & 3 ½" Gauge Sleeper
- PNR-1T-C - 5" Gauge Sleeper
- PNR-1T-H - 7¼" Standard Scale Sleeper
- PNR-1T-G - 7¼" & 5" Standard Scale Sleeper
- PNR-2G - Chair with Spigot to suit 21mm High (2lb Yard Rail)

The following instructions apply to 7¼", or 184.15mm gauge, 5" or 127mm gauge, 3½" or 88.9mm gauge and mixed gauge track work. For the sake of clarity only one gauge is quoted in the example.

Spacing

Slightly larger than scale, the sleeper system has many prototypical features, which enhance its overall look, the spacing rather depends on many factors, such as rail choice, axle loadings, amount of use etc. As a guide the sleepers can be laid at the following spacing's when using 2lb yard rail.

- 3½" Gauge - 70mm centres
- 5" True Scale - 80mm centres
- 5" Gauge - 100mm centres
- 7¼" Gauge - 166mm centres

Rail

It should be noted that the aluminium rail head, extruded or rolled section can be offset to the foot, as this is unavoidable in the manufacturing process it is advisable to trial assemble a short length of track and assess which way round the rail should be used.

Track Assembly

- Firstly, please note the direction of the arrowheads on the back of the spacer.
- The easiest way to assemble the track panels is to thread the chairs onto the rail the required way round and to then invert the rail and place the spigoted spacers into the chairs, again in the required way round.
- The rail can then be left upside down and the sleepers located onto the spigots and the whole panel turned over by placing a suitable piece of wood on the sleepers and turning it over. All that is then required is to screw the chairs to the sleepers and lightly tighten. **(It is important not to over tighten as this could result in the thread being stripped).**

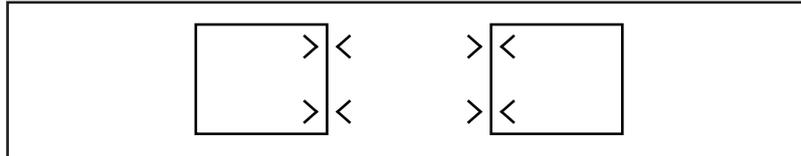


Railways

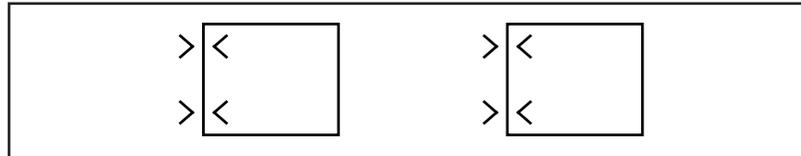
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Automatic Gauging

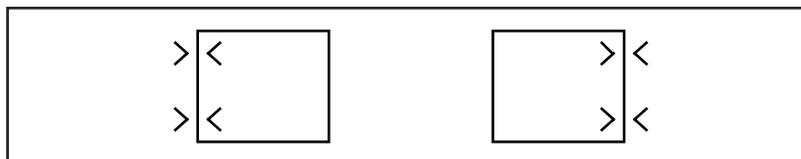
- When laying the track straight, nominal 5" or 127mm gauge can be obtained by placing the spacer in the back of the chair and lining the arrows up as follows:



- When laying the track on a transition curve or slight curve a nominal gauge of 5.020" or 127.5mm can be obtained by lining the arrows up as follows:



- When laying the track on a tight curve a nominal gauge of 5.060" or 128.5mm can be obtained by lining the arrows up as follows:



Sleepers - Frequently Asked Questions

What happens if you drop the fire onto the sleepers?

As with wooden sleepers the fire should only be dropped in the appropriate place. However should hot coals drop on the track they will mark but they will not burn readily.

Life Expectancy

The sleeper system has been manufactured from a high grade virgin polypropylene. The properties of which can be guaranteed. Polypropylene has a very high stiffness with high impact strength, therefore incredibly strong. It is UV, rot and frost resistant and it virtually unaffected by moisture. Treated in an appropriate manner the sleepers should give a long trouble free service, alleviating a number of the problems associated with wood.

Safety

While all reasonable steps have been taken to produce a product for use on miniature railway permanent way, it is the responsibility of the end user to ensure that the track components mentioned above have been assembled properly and have been laid on a stable and secure base, and are only used for the purpose for which they are intended. Frequent inspection of the track components for defects, loose fasteners, stability etc should be carried out by the user.