

Patent application
2018-056645

Perforator for PC Sleeper

Model: SPR-350

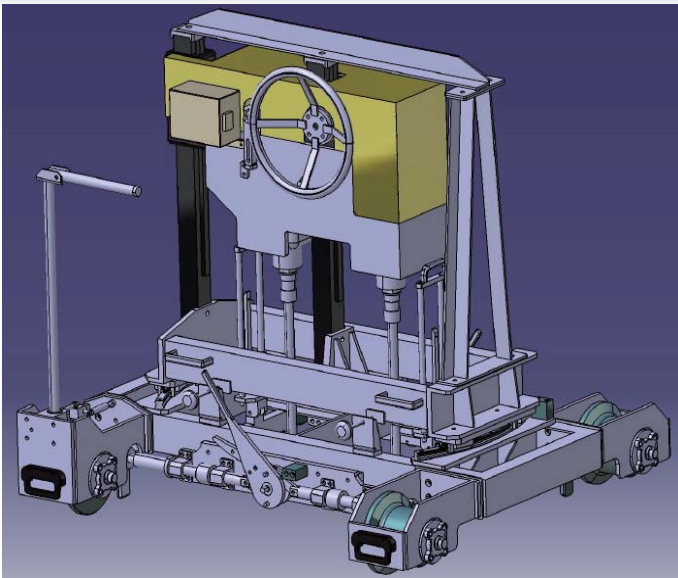


Can be drilled the hole for buckling prevention pile on existing PC Sleeper, for the purpose of improving lateral resistance of ballast.

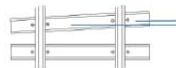
 **SEKIGAHARA SEISAKUSHO LTD.**

~ We create the future of railroad devices. ~

Specification



Four-wheel drive with wheel runaway prevention device

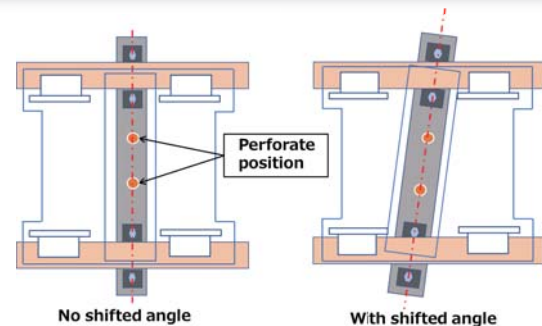
1) Model	SPR-350
2) Target PC Sleeper	Size 3, Size 6, P5H, P6H, PRS5H, PRS6H, PRS20 · 5H, For cable protecting(C), For special seam(J)
3) Dimension of perforated hole	φ26.5 (Sleeper penetration)
4) Q'ty of perforated hole	2 places / one Sleeper
5) Accuracy of perforated hole	±0.5mm
6) Perforated hole distance	350mm
7) Tolerance of hole distance	±10mm
8) Total weight	Approx. 235kg / one unit
9) Weight of components	Cart frame: 84kg Anti-reaction support device: 16kg x 2 sets Slewing unit: 104kg Locking device: 7.5kg x 2 sets
10) Waterproof construction	Can be used in rainy weather without heavy wind
11) Insulation construction	Insulate between the tracks with MC nylon. (wheels, lower part of the machine body and joint parts)
12) Power supply	AC100V 15A x 2, Generator : more than 2.8kVA
13) Positioning procedure	<ul style="list-style-type: none"> ◆ Set the position with locking device on the slewing unit. · Positioning plate A target sleeper: Size 6, PRS5H, PRS6H, PRS20 · 5H · Positioning plate B target sleeper: Size 3, P5H, P6H ◆ Lock with the bolt on the slewing unit. target sleeper: for cable protecting(C), for special seam(J)
14) Tolerance of slippage of right angle	Slippage against the traveling direction: max. 70mm 

Can be drilled 2 holes in same time



Possible to drill 2 holes in the same time on the existing PC sleeper.
It can drill the hole in high precision in short time without interfering to reinforcing wire inside the PC sleeper.

Can be used in flexible angle



Since the drill unit follows the tilt of the sleeper even if shifted from right angle (max. 70mm of shift), it is possible to perforate in the center of the sleeper precisely.

Advantage

- Improvement for work efficiency, reduction of working time and personnel by mechanization
- Reduction of costs for material and labor

<<Contact>> Sales, Turnout Group, Marketing & Sales Department
2067, Sekigahara-cho, Fuwa-gun, Gifu 503-1593, Japan
TEL: +81-584-43-1245 FAX: +81-584-43-1210
JR TEL 062-3620
URL <http://www.sekigahara.co.jp>