

Ballast Holding Plate

Countermeasure to cope
with overhanging of rail



Effective by placing on the ballast
No tools necessary for installation
Free extensions are possible in length/width

Plate surface



The plates have slit for drainage & air vent. Possibility of scattering by strong wind are limited due to the slit.

Back-side of the plate



The crushed stone shape back-side makes good contact with the ballast and enhance the stability of the ballast.

STACKING



Safety in transportation and storage will be improved by stacking of the plates.

Right & left
connection

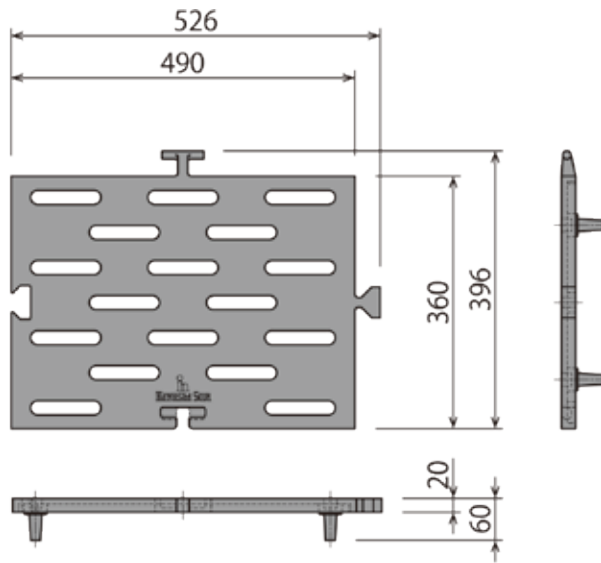


The plates can be connected by putting on the fitting without any tools.

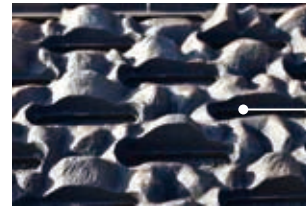
Up & down
connection



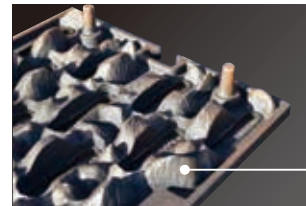
■ Plate dimensions (mm)



[Back-side of the plate]



Slit for drainage



Crashed stone shape

■ Plates layout dimensions, Reference figure (mm)

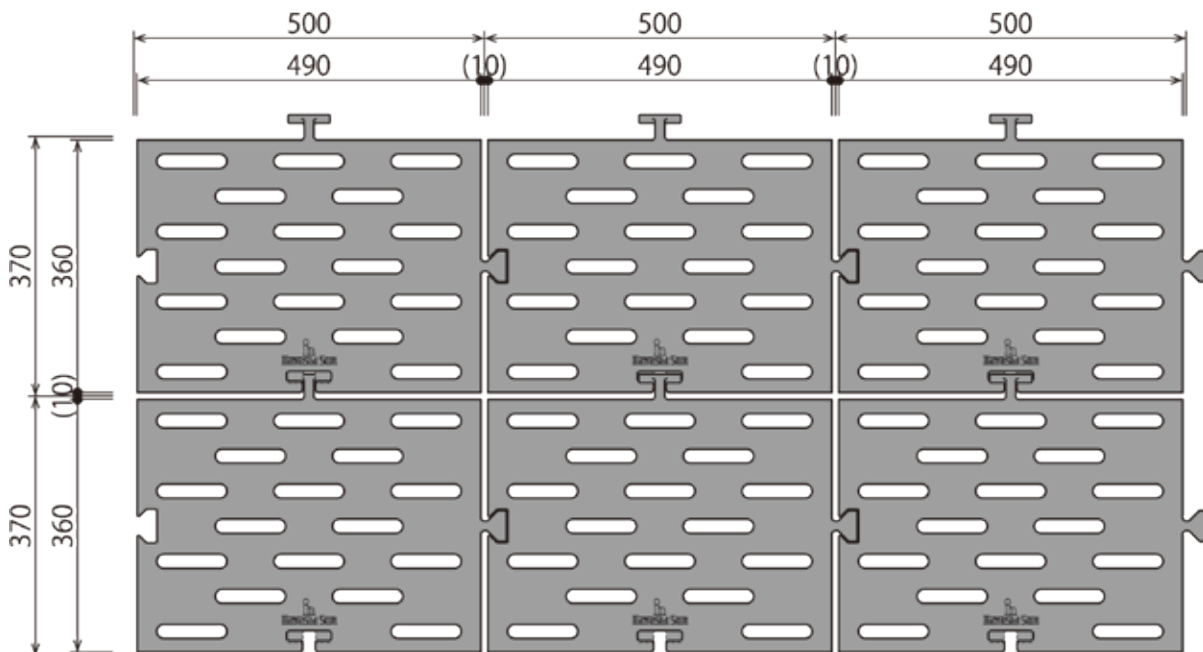


Plate dimensions
W526 x D396 x H60 (mm)
 Weight
22kg

- The Plates can be connected with the pitch of 500mm cross direction/370mm longitudinal direction.
- 10mm clearance between the plates. (In case of installation on the flat surface)
- The longitudinal connection parts are T-shaped for easy adjustment of the angle.

Total manufacturer of safety equipment for railways
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The results of measurement of lateral resistance value change with the installation of ballast holding plates on the rail track in operation.

The lateral resistance value	Per one sleeper (kgf)			
	Measuring point ①	Measuring point ②	Measuring point ③	Measuring point ④
Date of installation (Mar/2017)				
Before installation	1192	1246	1277	1085
After installation	1190	1515	1653	1363
1 month later (April)	1460	1506	1493	1348
2 months later (May)	1450	1483	1695	1375
3 months later (June)	* 2000	1831	1306	1494
4 months later (July)	* 2000	1859	1423	1561

* Above 2 red lines show that we could not measure the values due to the situation that lateral resistance values passed over 2,000 kgf.

We stopped the measuring on Jul/23 because we found the results are satisfactory after measuring from temperature rising season to intense heat season.

Ballast Holding Plate - Lateral Resistance Value measurement

