

TW354.504
SW354.504



Achieving both safety and workability

Roller with emergency braking device (for reverse)

- ÿEmploys cutting-edge millimeter-wave radar in the 79GHz band, which is not affected by steam and dust
- ÿAutomatically determines appropriate brake timing according to vehicle speed regardless of day or night
- ÿA system that excels at sites with many structures and fences
- ÿPublic road driving OK



Access exclusive videos.
"Emergency brake" in the channel
Please search.



Third standard value
Exhaust gas measures type
construction machinery



Specified special motor vehicle
emissions 2014
Standard conforming car
(SW504 only)



Ultra-low noise type
construction machinery

ON THE NET

HK-180024-VE
(Technical name: emergency braking device)

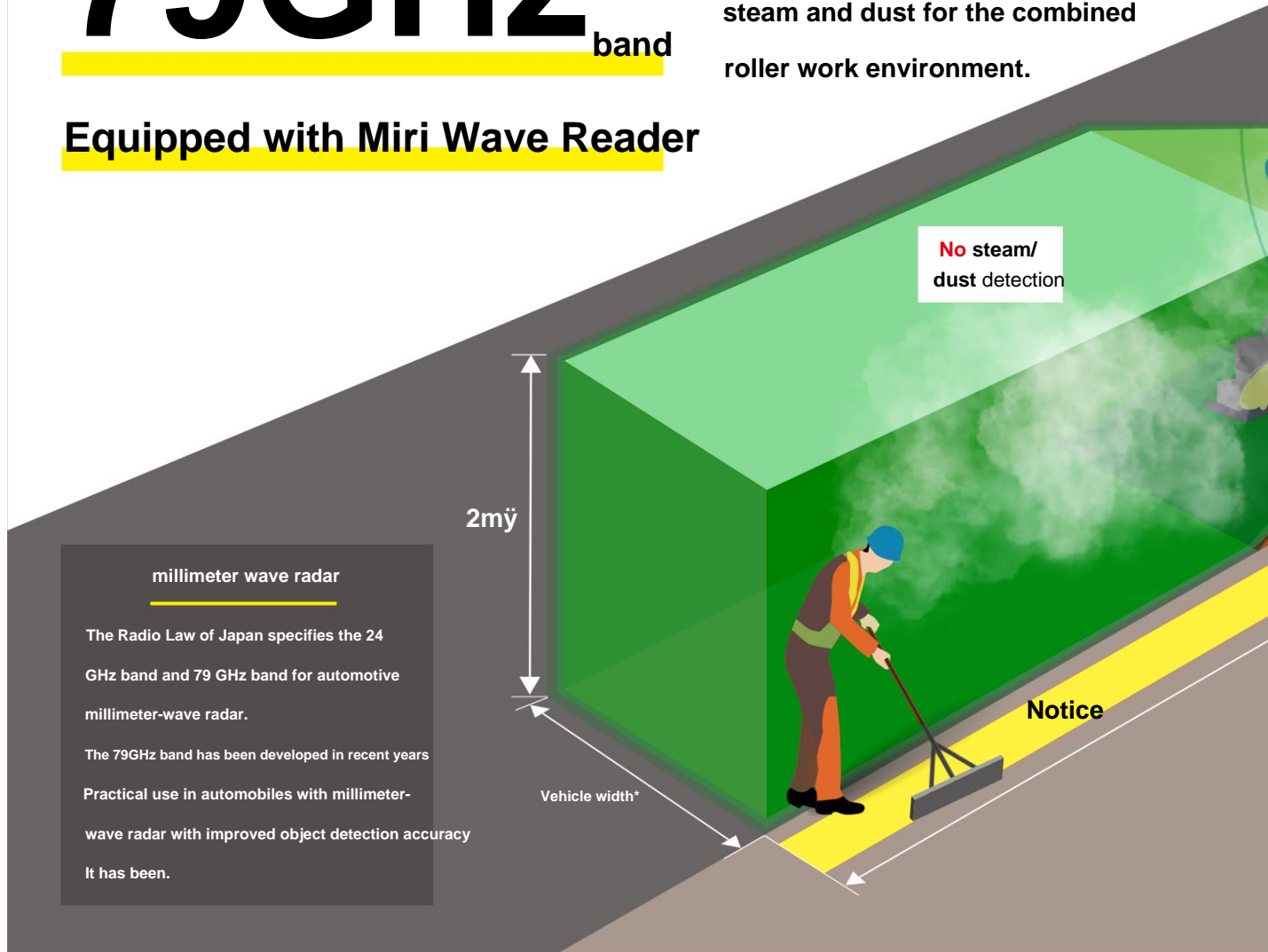


For detailed product information, please visit our website. *The purpose of this emergency braking device is to support collision avoidance when reversing or to reduce collision damage. However, it is not intended to avoid collisions or reduce the damage of collisions in all situations.

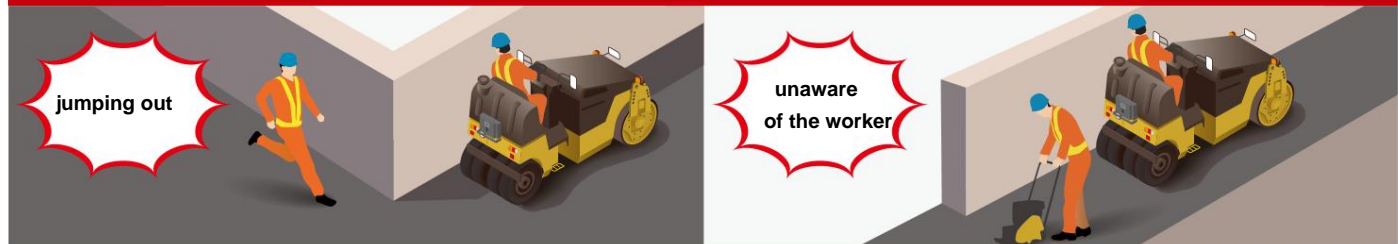
79GHz ^{cutting edge} band

Employs a millimeter-wave radar suitable for an environment unaffected by thick steam and dust for the combined roller work environment.

Equipped with Miri Wave Reader



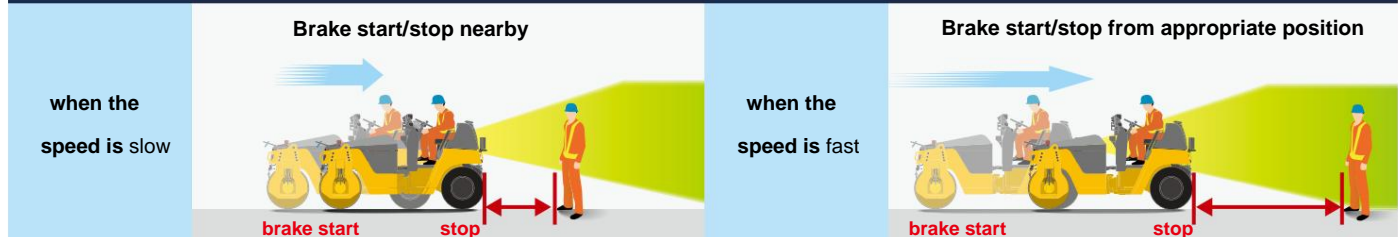
Emergency braking Rear work accident example



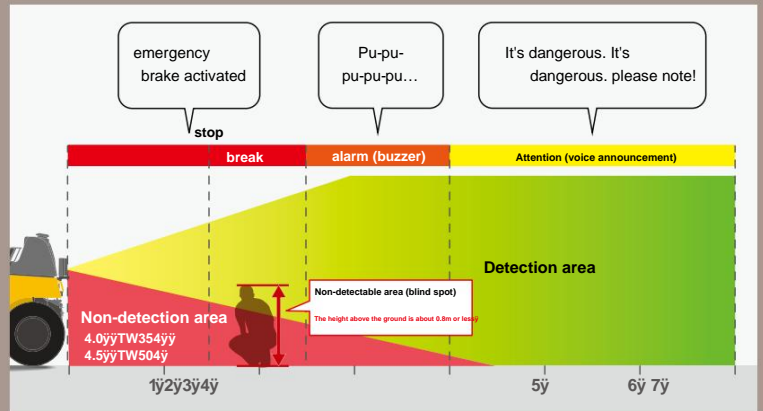
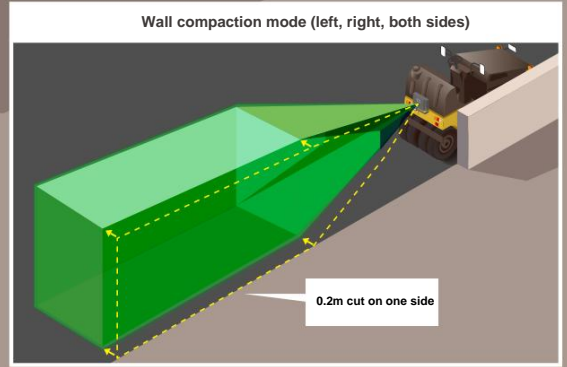
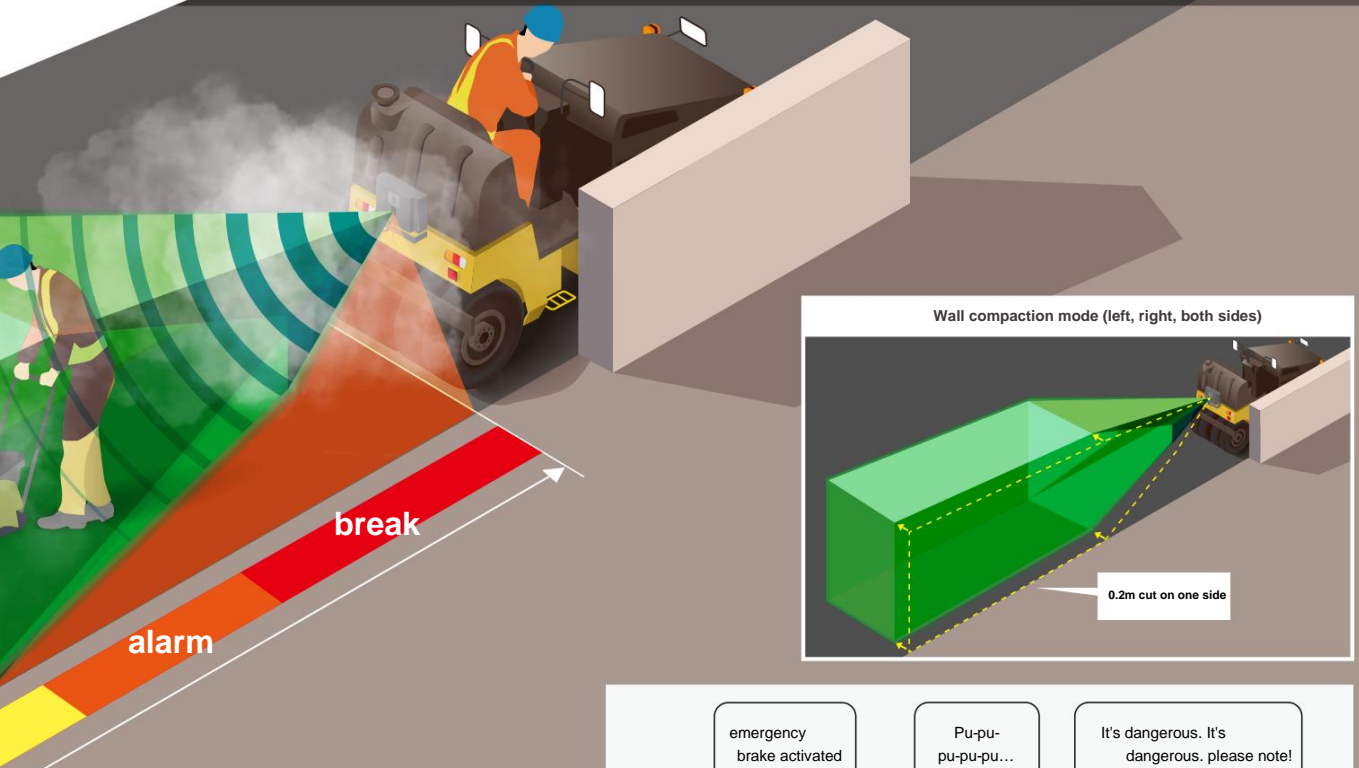
Detecting people even in poor visibility



Automatic determination of appropriate brake timing



analyze, TW354.504 Guardma TW354.504



* These are reference values and may vary depending on various conditions.

Mode selection according to work environment

Wall compaction mode (left, right, both sides)

franchise application

speaker silent mode

Night time, residential areas, hospitals, schools, etc.

Limit the range of sound spread

alarm mode

Bridges, tunnels, etc.

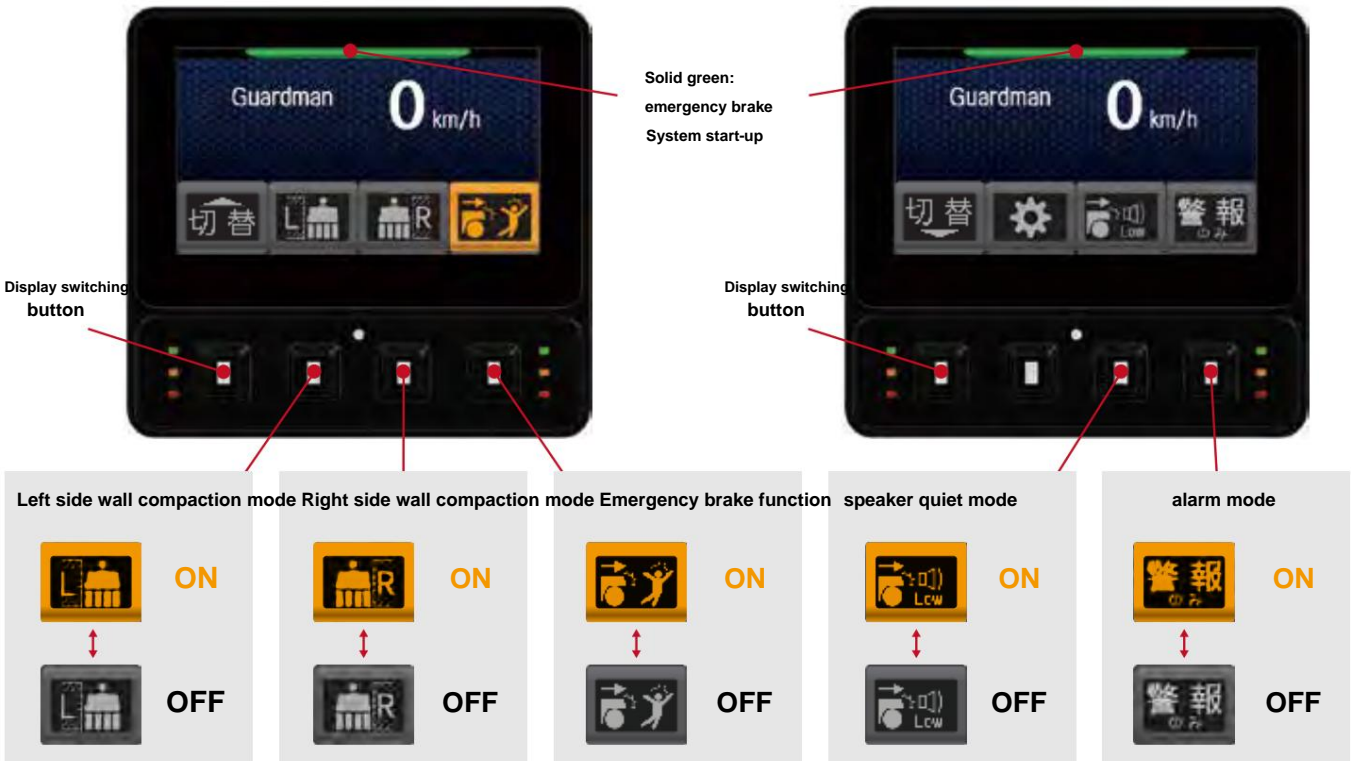
emergency brake does not work

It's dangerous. It's dangerous. please note!

Guardman TW354.504/SW354.504

Guardman display function

- ON/OFF of left side wall compaction mode
- ON/OFF of right side wall compaction mode
- Emergency braking function ON/OFF
- Speaker quiet mode
- ON/OFF
- Alarm mode ON/OFF



Outline specifications

		TW354 Guardman	TW504 Guardman	SW354 Guardman	SW504 Guardman	
Quality	Mechanical Quality	kg	2,470	3,260	2,770	3,810
Performance	operating speed (Lo/Hi)	km/h	0 ~ 7 / 0 ~ 10			0 ~ 7.5 / 0 ~ 10
	Operating speed range of emergency brake (Lo/Hi)	km/h	0 ~ 7 / 0 ~ 10			0 ~ 7.5 / 0 ~ 10
Dimensions	Overall length	mm	2,790	3,160	2,790	3,160
	Width	mm	1,290	1,390	1,290	1,390
	compaction width	mm	1,200	1,300	1,200	1,300

Detection judgment	Person y (under 80cmx)	Steam/dust x	Cardboard	color cone
		Not detected	x Difficult to detect	x Do not detect

*Please do not use cardboard as a substitute for the pop-out test.

Notes

- 1) Before using a product equipped with an emergency brake device (hereafter referred to as this device), be sure to read the instruction manual and fully understand its contents to use it correctly.
- 2) Depending on the conditions of the object to be detected, the condition of the vehicle, the work environment, etc., the device may not operate properly or perform adequately, or the risk of collision may be unrelated. may operate without
- 3) This device may not be able to detect objects that do not easily conduct electricity, such as cardboard and wood.
- 4) Drivers should not rely on this device for driving, and should always be aware of their surroundings and drive safely at their own responsibility.
- 5) The device will not operate outside the operating speed range ("OFF" indication on the display and an audible alarm will notify you).
- 6) When going backwards on a downhill, the braking distance when the brakes are applied will be longer, so please slow down and drive safely. 7) Do not test the operation of this device on people, heavy machinery, walls, etc.
- 8) When removing/repairing sensors due to an accident, etc., and if the display shows an error in the sensors, be sure to contact our sales office.
- 9) In order to ensure safety, please conduct inspections and maintenance of our company or our designated factory once a year.
- 10) TW354Guardman main unit, TW504Guardman main unit, SW354Guardman main unit and SW504Guardman main unit (including this device) comply with safety standards. Please stop unauthorized modification (unauthorized modification is subject to severe penalties).

* For work operation of rollers, it is compulsory to attend "special training related to operation of rollers".

*Using any fuel other than the appropriate fuel may cause a significant decrease in performance or malfunction.

*This specification is subject to change without notice for quality improvement.



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Global Service Department TEL 0480-52-1111
Training Center TEL 0480-52-6964

standard equipment

- Display •Speaker •Millimeter wave radar

Related laws and regulations

- y Structural standards for vehicle construction machinery
- y Safety standards for road transportation vehicles (small special vehicles)
- y Regulations concerning the designation of low-noise construction machinery
- y Law Concerning Regulations, Etc., of Exhaust Emissions from Specified Special Motor Vehicles