



## Smart solutions for better compaction

# SMART COMPACT



Smart **Compact** – The compaction assistant

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# SMART COMPACT

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## Smart Compact – The compaction assistant



### Automatic selection of the compaction mode

Smart Compact is a digital compaction assistant for asphalt construction with an integrated decision-making process for automatically selecting the optimal compaction mode. Smart Compact actively supports drivers in their daily work and controls the compaction applied by both drums.

The driver selects the course that needs to be compacted (surface course, binder course, base course) and Smart Compact automatically takes care of the rest. The appropriate compaction mode is selected based on measured physical input parameters such as surface temperature, rigidity or even weather data.



### How it works

Smart Compact measures various physical input parameters such as rigidity, asphalt surface temperature, ambient temperature and even local weather data.

The integrated decision-making process automatically selects the perfect compaction mode – such as small or big amplitude, oscillation or static compaction.

### Prerequisites

- > Smart Compact is available to the pivot-steered tandem rollers of the HX series
- > Smart Display
- > HTM (Hamm Temperature Meter)
- > HCM (Hamm Compaction Meter)
- > Weather station (option)

### Only available from HAMM

HAMM has automated the control of both drums using Smart Compact. Process reliability is increased – and even raised to a new level.

One of the innovative features of Smart Compact is that it uses a weather station to factor in the cooling behaviour of the asphalt. In addition to the all-important surface temperature, weather data – such as wind speed and direction – can be used to assess the cooling behaviour.

### Customer benefits

Smart Compact actively makes drivers' daily work easier. Smart Compact controls the compaction process, leaving the driver to fully concentrate on driving.

Smart Compact offers dynamic compaction when it is required. Otherwise, it reduces the engine speed, meaning that fuel savings of up to 15% can be achieved.

Smart Compact improves surface quality by the targeted use of dynamic compaction.