

SAKAI

MASTERS OF COMPACTION



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Sakai's EXACTCOMPACT Simplifies Roller Operation

Adairsville, Georgia – Vibratory rollers came on the asphalt compaction scene over 40 years ago. Since that time, the number of impacts per foot has always been used as a rule of thumb for determining compaction end results.

Running a test strip prior to the start of every HMA compaction job will determine the optimum number of impacts per foot required. This figure, which is typically between 10 and 12, is developed by plotting the vibration frequency against the ground speed of the roller.



This figure is extremely important. Rolling a mat too fast will stretch out the impact spaces and compaction will not be gained effectively. Slowing down the roller speed will cause a loss in time and productivity and may cause overcompaction of the mat. Once this impact spacing figure is determined, it should be

maintained throughout the job so long as the mix, lay-down and ambient characteristics remain the same.

Sakai's on-board ExactCompact makes it easy for the operator to maintain impact spacing on the run. It employs a series of lights that are located conveniently at the operator's station. A simple pushbutton control enables the operator to preset the desired target figure, anywhere between 8 and 20 impacts per foot. When the roller is powered up, the previously stored impact spacing appears on the display and may be reset as necessary to suit job specifications.

The roller operator adjusts ground speed until a green lamp in the center of the display is illuminated. This confirms the correct operating speed to meet the desired impact spacing. Run too fast and a red light will illuminate; too slow and a yellow lamp lights up. The operator simply adjusts his/her forward/reverse ground speed to get "back in the green."

Sakai's ExactCompact saves time and money by eliminating over- or under-compaction due to incorrect impact spacing. It is standard equipment on Sakai's SW850 and SW900 double drum asphalt rollers and may be retrofit for use on any other vibratory roller on the market, regardless of brand.

For more information, contact your authorized Sakai dealer or Sakai direct at 800-323-0535.

