

**AVAILABLE MOULD SPANNER SETS OR PLASTER MOULDS:****Mould Spanner Sets**

used with the Wheel Tracker for asphalt samples up to 120 mm height. Stainless steel with two fix and 2 removable side elements fixed together with quick release clamps.

Bottom plate adjustable in 20 mm height steps. Including intermediate plates 2, 5 and 10 mm.

20-4020	260 x 320 mm
20-4021	280 x 340 mm
20-4022	260 x 410 mm
20-4023	300 x 300 mm
20-4025	300 x 400 mm

**Plaster fixing jig**

Used to ensure a parallel alignment of the asphalt sample within the plaster mould. The sample is secured using fixing bands 20-4012.

20-4010	260 mm for 20-4015
20-4011	280 mm for 20-4016

**Sample clamping device Ø152mm**

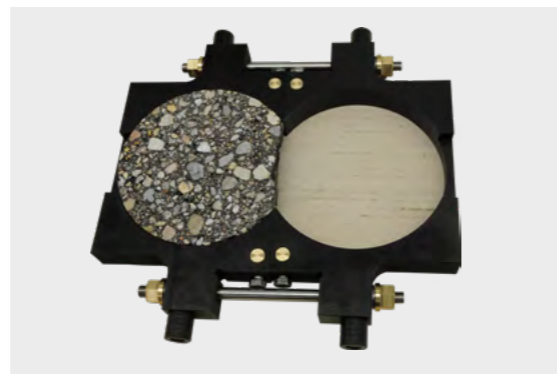
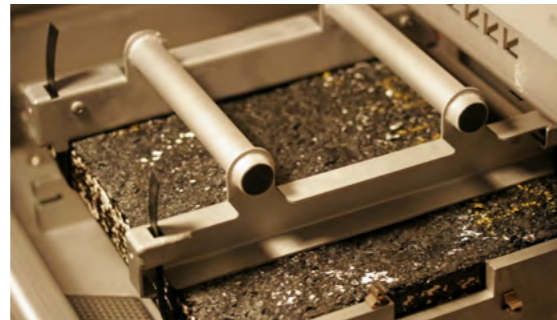
for drill cores and gyrator samples of Ø150-152 mm.

20-4024

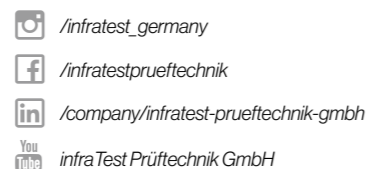
**Plaster Moulds**

made of galvanized steel to be used to fix the asphalt sample in a gypsum bed as per TP-Asphalt 22. The mould is also prepared to be placed into the Wheel Tracker together with the gypsum bedded asphalt sample. Including two carrying handles and side elements fixed together with 3 hinges and 1 central fixing screw. The bottom plate is adjustable for sample heights 40 - 60 - 80 - 100 - 120 mm. Suitable for sample dimensions up to approx. 240 x 300 mm (20-4015 – dimensions including plaster rim 260 x 320 mm) and sample dimensions up to approx. 260 x 320 mm (20-4016 – dimensions including plaster rim 280 x 340 mm).

20-4015	260 x 320 mm
20-4016	280 x 340 mm

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# ASPHALT HAMBURG WHEEL TRACKER

ALWAYS  
2 STEPS  
AHEAD!



## Hamburg Wheel Tracking Test Machine

EN 12697-22 small wheel air/water.

Consists of one heat-insulated stainless steel housing in desk form with hinged lid and insulating glass panes. There are two sample installation locations in the interior to disposal. A frequency-controlled drive motor drives them in a motorized manner.

The heating takes place using heating rods, PID controller and circulation pump for experiments with water. Warm air blowers are used for experiments with air temperature control.

The roller wheels can be used for sample installation Support arm decoupled from the drive and laterally outside the Installation areas are discontinued.

The sample base plates are via a threaded spindle height-adjustable. The specimen holding devices or plaster moulds can be mounted on the base plate. Complete with integrated control and evaluation unit with a touch screen monitor and Windows software for experiment control and Data acquisition equipped. The software also offers the Possibility of standard pre-tempering with an automatic start after a preselected time.

The sample holding devices 20-4020 ... or plaster mould box 20-4015 ... are not included in the scope of delivery.

### Specification

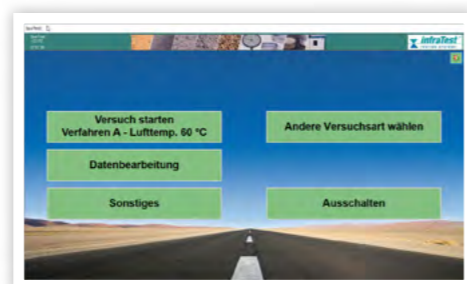
Dimensions	2500 x 700 x 1500 mm
Weight	583 kg
Electrical data	3/N/PE, 400 V, 50 Hz, 4 kW
Sample dimensions max.	300 x 400 mm
Sample height	40 ... 120 mm
Rolling wheel dia.	Ø 203 mm, width 50 mm 20 mm with rubber layer
Rolling length	230 mm
Measuring section	65 ... 165 mm
Applied load	710 N
Temp. range for both air or water	heating 30 ... 70° C
Track groove depth	0..20 mm, resolution 0.01 mm

20-4000



### TOUCH PANEL

Easy and fast control via the well arranged display.



### Following options are available now on request:

- ▶ Variable load 710 ... 1420 N using additional weights. The presetted load is automatically entered and saved at the beginning of the test
- ▶ Rolling wheels, width 30 and 40 mm, in steel and rubber version to modify the surface pressure
- ▶ Variable speed range by the frequency controlled motor
- ▶ High-precision test gauge device to control the rolling wheels circularity
- ▶ Fixing jig to ensure the parallel alignment of the samples inside the plaster mould
- ▶ Put-in plaster-device for drilling cores Ø 200 to 300 mm available



### Highlights:

- ▶ Possibility to place clamping moulds **in various sizes: mould spanner** sets used to fix the asphalt samples with or without gypsum bed
- ▶ Possibility to place the clamping moulds **in various sizes: plaster moulds** used to fix the asphalt samples in a gypsum bed as per TP-Asphalt 22 and to be placed into the Wheel Tracker without previous demoulding
- ▶ **Automatic lifting function.** The rolling wheel units are lowered or lifted automatically at beginning and ending of test to prevent any preloading influence on the sample or damage to the test wheels.
- ▶ **Abrasion markers** are applied on the rubber wheels for visual control of the circularity.
- ▶ **Touch Screen.** The machine and process control is effected by an integrated input/output unit with touch screen. Optionally the input can also be effected using a keyboard.
- ▶ **Tempering with water or air**
- ▶ Measurement of a **single profile** and up to 40.000 rollovers
- ▶ **15,000** storable tests
- ▶ **Movable weight** for loading the sample

