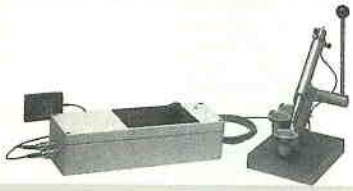
337

Aluminium-speed-tester Item No. 337.001

for testing aluminium melts with **four test methods:**

a) hydrogen test
b) density test
c) Dross-test
d) Straube-Pfeiffer-test

337A



Thermo-analysis system TA 7604 LC

Item No. 337.101

Static device for monitoring AlSi melts by means of thermal analysis. Modification, grain refinement and all the thermal data governing the structure of the metal are determinated automatically within a few moments.

Further test equipments for aluminium melts upon request!

338

Electronic mould strength tester

Type PFP Item No. 338.101

For examination of the compaction effect of moulding machines and the compaction susceptibility of moulding sands. Measurement is carried out by means of a crystal oscillator sensing element. The force measured corresponds to the actual penetration resistance as a measure of the mould strength. This device measures and memorizes the maximum reading, automatically calibrates the zero point and is disconnected also automatically with the last measured value remaining stored.

Technical data:

Measuring range:	0,2 – 34,5 N/cm²
Resolution:	1 N (power)
Reproducibility:	+/– 1 Digit
Weight:	0,125 kg
Dimensions:	130 x 30 x 22 mm
Battery capacity:	ab. 2.500 measurements

339

Viscosity measuring instrument ('Ford-cup')

Handy cup (cont. 100 ml) of aluminium for measuring the viscosity and time of drop-out of all kinds of chemical liquids.

Instruction:

Dip the cup into the liquid until it will be full. Take out the cup and stop the time until the nozzle will be visible.

Item No.	339.004	339.002	339.003	339.005	339.006	339.008
Dia. of nozzle	4 mm (standard)	2 mm	3 mm	5 mm	6 mm	8 mm

Stand for the cup: **Item No. 339.010**

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Mould SK 02

Mould SK 03

Mould SK 04

Mould SK 05

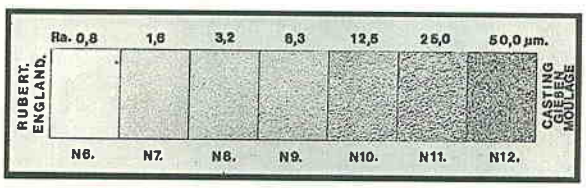
Mould SK 06

Mould SK 07

Moulds for sample taking

Item No.	Mould	Application	Sample dimensions:
339.102	SK 02	For non-ferrous metal alloy samples with a tendency for precipitations and segregations. The flow gate is removed and the sample is milled or turned.	6 x 45 mm dia.
339.103	SK 03	For high purity FE-, Ni-, Co-, Cu-base samples with low segregation. No pin cutting is necessary. The base of the sample is ground, milled or turned.	20 x 40 mm dia.
339.104	SK 04	For high purity FE-, Ni-, Co-, Cu-base samples with low segregation. The side of the sample is ground, milled or turned.	20 x 40 x 40 mm dia.
339.105	SK 05	Mould with asymmetric funnel for pig and cast iron samples.	4 x 40 mm dia.
339.106	SK 06	Rotating mould with ceramic funnel for pig and cast iron samples. Successively two samples can be taken. The base of the sample is ground with a swing grinder.	6 x 27 mm dia.
339.107	SK 07	Mould for pig and cast iron samples with increased collar. Easy handling in automated systems. The base of the sample is ground with a circular sander or a belt grinder.	11 x 5 x 38 mm dia.

340



Surface-control-gauge

Item No. 340.001

For checking and determination of the surface quality of castings made of any ferrous or non-ferrous metal for all casting systems by means of simply comparison of touching and viewing; made of stainless steel and long-life.

The 7 pieces of the set represent the normal surface qualities which may be obtained by casting from die-casting (class N6/Ra 0,8 my) along investment and gravity-die-casting down to hand-moulded sand-casting (N12/ra 50 my) according to DIN 4766 T2, as well as all metals (light-metals , cast iron and heavy metals).

An additional surface structure produced by the die-casting-die or gravity-die is superposed on the roughness samples N6, N7 and N8.