

Possible technical changes are reserved.

SPECIFICATION		HK 150	HK 150.1	HK 350
Typ		HK 150	HK 150.1	HK 350
Machining Base	[cm]	40 x 40	60 x 60	60 x 60
	[in]	16 x 16	24 x 24	24 x 24
Height	[cm]	66	152	86
	[in]	26	60	34
Weight	[kg]	95	135	95
	[lb]	209	297	209
ELECTRICAL REQUIREMENTS				
Net 3x400V/50Hz - Current		3A	9A	8A
	- Revolutions	2800 / min	2800 / min	910 / min
Net 3x220V/60Hz - Current		5A	16A	15A
	- Revolutions	3440 / min	3440 / min	1090 / min

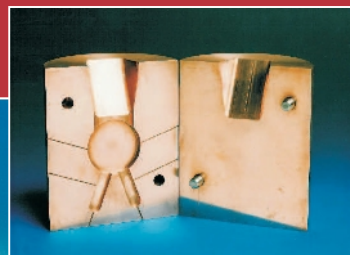
Electrical equipment for other parameters in electric network is possible after having been consulted with the producer.

OPTIONAL ACCESSORY

- Magnetic vice with handle and quick exchange arm - Vices for big samples - Spare parts kit
- Sample holders - Copper moulds for casting of samples

CONSUMPTION MATERIAL

- Filters for exhaustor - Halogen bulb - Tube cartridge fuses
- Grinding stones (for HK 150) - Abrasive papers (for HK 350)



COPPER MOULD

Successful and many times tested mould construction for sample casting. Only when using this mould your samples will be completely homogeneous.

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APPARATUS WITH OPTIMUM PARAMETERS FOR THE PREPARATION TECHNOLOGY AND FINISHING ADJUSTMENT OF SAMPLES FOR YOUR LABORATORY



HK 150 AND 350 SERIES



HK 150 SWING GRINDER

Apparatus for efficient surface grinding with straight cup grinding stones \varnothing 15 cm (6 in).

- for grinding cast iron and steel samples cast in copper moulds, for grinding referential materials and other samples of ferrous metals
- this basic type is delivered with an electric switchboard to be attached to the wall or the side of the desk. It is equipped with a connector for external dust exhauster

Quality and reproducible results of each spectrometric analysis of metal materials in metallurgical and processing operations are not conditioned only by the taking of a representative sample of the material to be tested but also by a definable method of sample surface preparation and its quality. The apparatus that prepares the surface must enable to use a repeated and reproducible method.



STRAIGHT-CUP GRINDING STONE Al_2O_3 AND SiC

Grinding stones \varnothing 15 cm for swing grinders are recommended.

- an extraordinary porous construction of the inner structure which prevents undesirable burning -up of carbon
- the grinding stones made of SiC have a ten times longer service life



ABRASIVE PAPERS

Quality abrasive papers Al_2O_3 , ZrO_2 and SiC with different grain size for disc grinders.



SPARK ARRESTER

An extinguishing box for sparks from grinding with a system of metal tubes.

- a suitable complement for the apparatus HK 150 which will increase the safety of preparation



UNDERPRESSURE SYSTEM

With a spark arrester and system of metal tubes

- for an easy exchange of dust filters and cleaning the system is built into the metal box of machine on the slide out board

HK 150.1 SWING GRINDER

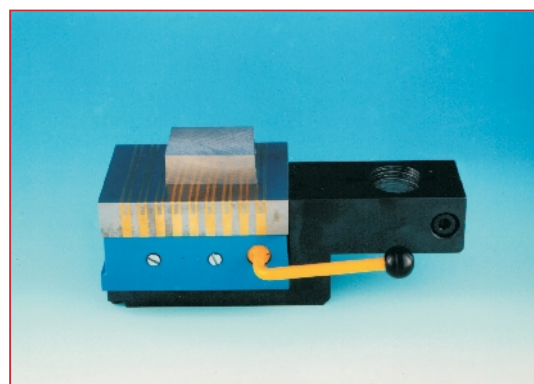
A well-equipped apparatus with a bottom metal desk and exhauster.

- a switchboard and effective dust exhauster with a spark arrester and system of flexible metal tubes are installed inside the desk
- clean operation and easy tending is characteristic for this model



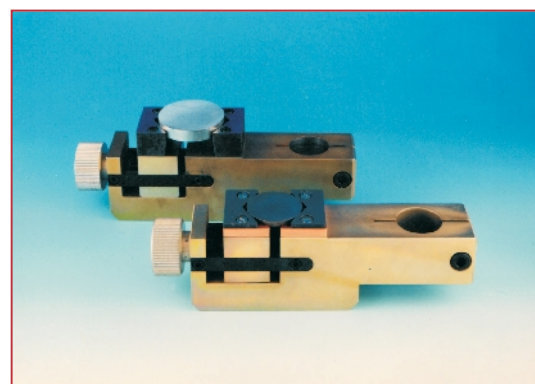
MECHANICAL SAMPLE HOLDERS

For non-ferrous metals samples



MAGNETIC PLATE

Universal exchangeable vice of samples for swing grinders with a permanent magnet.



SAMPLES VICES

A small vice for circular samples \varnothing 32 - 45 mm, height 4 - 10 mm.
A large vice for circular samples \varnothing 44 - 58 mm, height 10 - 20 mm.



MAGNETIC SAMPLE HOLDERS

Convenient for grinding of low samples of different sizes.

HK 350 DISC GRINDER

Apparatus for efficient surface grinding with abrasive paper discs \varnothing 35 cm (14 in).

- the complete grinding equipment is built into a metal box, and is equipped with a quick-to-be exchanged underpressure chucking grinding papers and electronically controlled brake
- the underpressure system serves also for the suction of released abrasive and ground material
- the discs grinders HK 350 are a recommended complement of the swing grinding machines HK 150 for finishing quality and reproducible cuts of the upper surface of samples and standards. Such an arrangement will make sample preparation better and quicker

