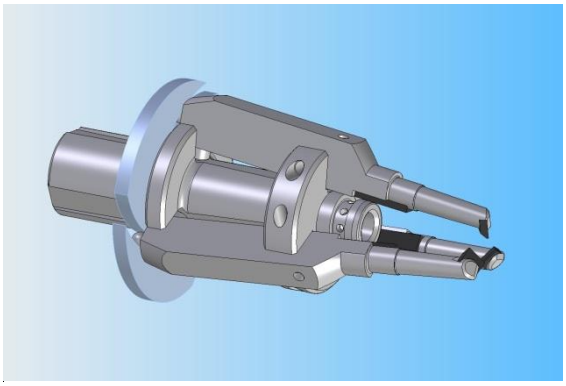
High Precision Stripper Heads with Diamond blades



High precision stripping heads equipped with diamond blades were developed for coil winding machines. These heads have a long lifetime and reduce machine down times. With well-adjusted heads we guarantee more than one million cycles, before regrinding the blades.

For regrinding and maintenance the heads are sent back to us to guarantee the correct shape, reassembly, ongoing precision and therefore longest possible lifetime.

The range of wire diameters reaches from 0.1 to about 1.5mm. The standard HP- DIA stripper head is equipped with a stop screw to adjust the wire diameter, the stop of the HPM- DIA head is adjusted with a micrometer screw. Please see the picture.

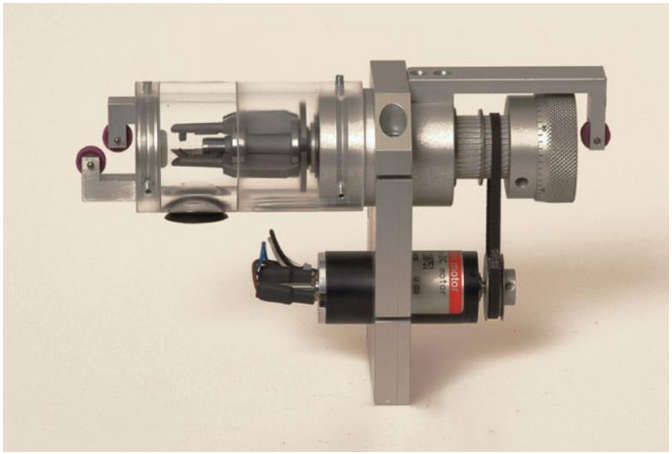
Our HP-DIA stripper heads are used by manufacturers like TANAC, AUMANN, METEOR, etc.
Since every coil winding machine manufacturer has his own layout, we supply mainly the stripper heads and let the customer's engineers design the infrastructure and drive set up for their systems. Of course we assist the customer when it comes to detailed questions of feed and speed or enamel scrap disposal.

Stripper head type	Wire Ø	Partnumber	Remarks
HP-DIA KG 0	0.2 - 0.75 mm	2406	For thin wires.
HP-DIA KG S	0.2 - 0.75 mm	2411	Special shape of cutting edge.
HP-DIA KG A	0.1 - 0.75 mm	2402	High accuracy for very thin wires.
HP-DIA KG 1	0.5 - 1.5 mm	2403	
HPM-DIA KG 0	0.2 - 0.75mm	2405	Special body for stop with micrometer screw. Please see picture.
HP-DIA KG B	0.5 - 2mm	2415	Especially small blades on slim knife holder for closely spaced coil ends.

Special Stripper Heads

This HP diamond stripper head was specially developed for small coils with closely spaced ends (up to 5mm distance between the ends).

Our unit with micrometer screw and electric drive



Stripper heads with carbide blades

Information about stripping heads with carbide blades:

The stripper head consists of a body with three blades. Due to centrifugal forces the blades of the rotating head close around the wire. The precise adjustment required for any particular wire diameter is carried out by means of a stop screw, which also prevents damaging the conductor. An adjustable stop pin permits the presetting of any desired stripping length.

The various stripper heads are easily exchangeable and ensure clean wire ends for all types of varnished round wires from 0.2 to 8.5mm diameter.
Stripper heads for other types of insulation are also available.

All heads can be equipped with guide discs. These discs increase the cutting pressure and co-ordinate the three blades better. The results are less wire breakage by thin wires and longer blade life time.

Life cycles of well-adjusted carbide blades are more than 10’000 stripping operations and after, blades can be reground easily.

For stripper heads with diamond blades look at HP diamond stripper heads.

For enamelled wire: Type KG

Guide discs for all sorts of stripper heads

Hand-held stripping machines

Isomap hand-held stripping machines guarantee a fast and precise removal of insulation of all electrical wires from 0.2 to 8.5mm diameter.

The various stripping heads are easily exchangeable and ensure perfectly clean wire ends.

The brushing head with rotating steel brushes for varnished flat conductors is screwed on an Isomap IIB instrument with a special flat, ground shaft. All other types of stripping heads will fit on this machine, too (the brushing head is not available at this moment).

An integrated electronic regulator permits a step less speed control for perfect stripping and twisting.

Type Isomap IIB

The successor model to the Isomap II

This new wire stripper replaced Isomap II. All cutting heads and accessories can also be used with the new device.

For round wires from Ø 0.2 to 8.5mm

Partnumber	2015
Power	300W / 230V
Speed	3500-15000/min
Under tension	100%
Weight incl. stripper head	1280gr.
Length incl. protective sleeve	280mm
Diameter	58-64mm

Stripper heads for Isomap IIB

For round wires from Ø 0.2 to 7mm.

Technical data

Stripper head type	wire Ø	Insulation	Stripping length	Guide disc	
				with	without
				part-no.	part-no.
KG0 – II	0.2 - 0.75mm	enamelled	max 53mm	2349	2320
KG1 – II	0.75 - 1.5mm	enamelled	max 53mm	2363	2321
KG2 – II	1.5 - 2.5mm	enamelled	max 53mm	2364	2322
KG3 – II	2.25 - 4.5mm	enamelled	max 53mm	2365	2323
KG4 – II	4.0 - 7.0mm	enamelled	max 53mm	2366	2324

Isomap IIB for brushing head

For flat conductors of 0.5 to 6.0mm thickness

Partnumber	2014
Power	300W / 230V
Speed	3500-15000/min
Under tension	100%
Weight incl. brushing head	1420gr.
Wength incl. brushing head	315mm
Diameter	58-64mm

Brushing head for Isomap IIB

Brushing head	Flat wire sizes	Insulation	Stripping length	Part-no.	Weight
	12 x 0.5 - 6mm	enamelled	max 90mm	2470	370gr.

Accessories

Instrument holder with foot switch

For serial production, the holder mounted on work bench and used together with foot switch provides complete freedom of hands.

Part	For type	Part-no.
Instrument holder	II & IIB	2301
Foot switch	IB, II & IIB	2305

Protective sleeve with wire guide

In cases where precise and safe guiding of the wire is required, the use of the protective sleeve with wire guide is recommended. This sleeve is provided with slots through which insulation waste is expelled.

Part	For Type	Part-no.
Protective sleeve for wire guide	IB	2485
	II & IIB	2486
Wire guide	IB	2490
	II & IIB	2491

Spare parts

Replacement blades for stripper heads

The design of the stripper heads allows an easy replacement of the blade holders by the customer, while the old sets of blades are returned. One set consists of three blade holders with carbide blades.

Set of three blades	**guide head**			**set of three blades**	**guide head**	
	with	without			with	without
	part-no.	part-no.			part-no.	part-no.
KG0 (0.2-0.75mm)	2256	2200		KG3 (2.5-4mm)	2263	2238
KG1 (0.75-1.5mm)	2257	2201		KG4 (4-7mm)	2264	2239
KG2 (1.5-2.5mm)	2258	2202				

Stripper heads for Isomap IB (for old machine type)

For round wires from 0.2 to 2.5mm diameter

Stripper head type	**Wire Ø**	**Insulation**	**Stripping length**	**guide disc**	
				with	without
				part-no.	part-no.
KG0 - IB	0.2 - 0.75mm	enamel-insulated	max 35mm	2341	2310
KG1 - IB	0.75 - 1.5mm	enamel-insulated	max 35mm	2342	2311
KG2 - IB	1.5 - 2.5mm	enamel-insulated	max 35mm	2343	2312

Replacement brushes for brushing heads

Set of two brushes		**Part-no.**
fine	Nr. 10	2471
rough	Nr. 15	2472

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