

Explanations

1. Product range

With this catalogue we present you our wide standard range of bobbins, boxes and accessories.

New variations are indicated in colour. Drawings show the main features of each bobbin. Number, location and the shape of holes for terminal insertion and of support flanges are in some cases not applicable to all types mentioned. Modifications and improvements in the course of time are subject to regulations or experience gained from former production.

Boxes are shown subsequent to the respective bobbin file.

For general accessories such as terminal rails, terminal covers, fixing plates, side insulation covers etc. see chapter „Accessories A“. Terminals, connectors and fuse holders you will find in chapter „Accessories B“.

Usability and suitability for the respective applications of our products have of course to be evaluated by the customers themselves.

Beside our standard product range we manufacture also an extensive range of custom specific components for transformers, magnets, motors, sensors and relays to customers' specifications. Please inquire in case of interest.

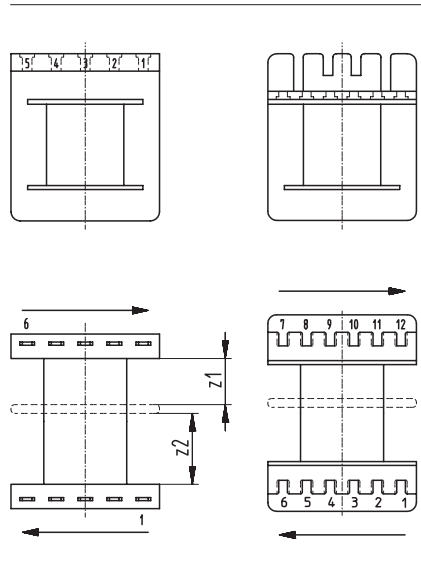
2. Fitting

The numbers in small squares beside the perspective figures refer as tracing support to the group of the respective matching terminals and connection parts under „Accessories B“.

ST type bobbins with terminal rails can be fitted with terminals (see „Accessories B“) by us or by yourself.

ST versions with pins group or terminals group as well as some terminals of group (marked in „Accessories B“ correspondingly), have to be fitted at WEISSER. Please advise required fitting i.e. „Fully fitted with type ...“ or „fitted with type ... in positions e.g. 1,3,5,8,10“.

The numbering of all „ST“ and „LP“ versions is arranged clockwise (see drawing below). For unsymmetrical chambers (z1, z2) terminal slot numbering begins with number 1 on the flange adjoining the larger chamber (z2).



3. Material

The bigger part of the injection moulded standard types is available in glass-reinforced B-Polyamide (PA6-30H/Nylon 6) or in A-Polyamide (PA6.6-30H/Nylon 6.6) ex stock or at short notice from current production.

Standard material for boxes, if not otherwise stated in the description, is a glass-reinforced B-Polyamide (Nylon 6) in colour grey, other colours available on request.

For deviating standard materials you will find the respective information and material indication on the respective catalogue page.

Listed prices are according to standard material qualities as indicated above.

For special requirements, e.g. higher temperature classes, self-extinguishing properties (UL 94-V0 to UL 94-V2) etc. most of our types can be made of the appropriate thermoplastics, depending on the quantity. A selection of our materials can be found in the following material survey. Please note that not all existing tools are suitable for processing special materials. For individual applications tests are required.

We only use UL approved materials. The material survey mentioned above shows the UL certificate No. and the flame class according to UL 94. Also stated are the respective ratings of the glow wire test according to IEC 60695, the comparative tracking index CTI according to IEC 60112 and the insulation class according to IEC 85, to which the respective materials can be assigned to.

If requested, we are pleased to provide you with the material data sheets. After the respective registration, you will also find the UL files under: www.ul.com

Samples made from special material are occasionally in stock. Please inquire.

We keep ourselves informed of new thermoplastic material. In case we carry out extensive tests regarding their suitability for bobbin production.

Note:

The use of these materials for our products is based on our present knowledge and experience. The customer still has to carry out an incoming control, examinations and tests for specific use. A legally binding assurance of certain characteristics or suitability can not be derived from our information and recommendations. Any protection rights as well as existing laws and regulations have to be observed on our customers own responsibility.

4. Dimensions and tolerances

The given dimensions in [mm] refer to the standard material versions. When using special materials slight alterations from these dimensions must possibly be allowed. In principle, this also applies for glass-reinforced material showing possible warpage and thus the given tolerance range could partly be exceeded.

Some boxes have ribs at the inner walls to improve potting. In this case the stated internal dimensions l1 and b1 refer to the ribs, otherwise to the interior of the box.

Shell wall thickness n1 is stated without taking convex thickening for permissible reinforcement into consideration.

The OD and LP versions mainly correspond to DIN 41305 respecting the main dimensions. This standard will be supplemented by the international standards DIN EN 61797-1 and IEC 1797-1.

5. Inquiry/Order

Please note that clear ordering information avoids clarifications and wrong deliveries. Please make use of order terms and article numbers as shown in the catalogue.

Our standard range is continuously extended. Please inquire about items you do not find in this catalogue.

Earlier information is no longer valid upon publication of this catalogue.

We exclusively supply according to our sales and payment conditions, which can be found under www.weisser.de.

MATERIALS SURVEY

Short Designation	Chemical Designation	Brand Name	Supplier	UL-Certificat-No		self-extinguishing properties acc. UL 94	glow wire test			comparative tracking index CTI nach IEC 60112	insulation class nach IEC 85	Notes
							IEC60695-2-11	IEC GWIT	IEC GWFI			
PA 6	Polyamid 6 (B-Polyamid)	Durethan BKV 30H	Lanxess	E 245249	31.05.06	94-HB	700 (0,80)	750 (0,75)	700 (0,75)	475	B (130°)	②
		Durethan BG30 X	Lanxess	E 245249	15.04.05	94-HB	650		650 (2,0)	400	B (130°)	①
		Zytel 73G30L	Du Pont	E 41938	10.03.04	94-HB	700			400	B (130°)	②
		Bergamid B700G/GK30	Poly One	E 76261	18.10.06	94-HB	650			500	B (130°)	①
PA 4.6	Polyamid 4.6	Stanyl TW 200 F6	DSM	E 47960	27.07.07	94-HB				300		
PA 6.6	Polyamid 6.6 (A-Polyamid)	Durethan AKV 30H	Lanxess	E 245249	31.05.06	94-HB	650 (0,80)	725 (0,75)	700 (0,75)	500	B (130°)	②
		Ultramid A3X2G5	BASF	E 41871	06.11.09	94-V0 (0,80)	960	725 (0,82)	960 (0,82)	550	B (130°)	②
		Ultramid A3X2G7	BASF	E 41871	23.08.07	94-V0 (0,75)	960	775 (0,75)	960 (0,75)	600	B (130°)	②
		Bergamid A700G30H	Poly One	E 76261	18.10.06	94-HB	650			500	B (130°)	
		Latamid 66H2G/25-V0 KB4	LATI	E 54080	27.01.09	94-V0 (0,75)		775 (1,0)	960 (1,0)	550	B (130°)	
PA 6.6/6	Polyamid 6.6/6 (Copolymer)	Zytel FR 72G25 V0	Du Pont	E 41938	21.06.07	94-V0 (0,50)	960			325	B (130°)	②
PBT	Polybutylen-terephthalat	Ultradur B4300G6	BASF	E 41871	24.10.03	94-HB	650			375	B (130°)	②
		Arnite TV4 261	DSM	E 47960	24.10.03	94-HB	650			400	B (130°)	②
		Crastin CE 7931	Du Pont	E 41938	21.11.03	94-V0 (1,50)	960			250	F (155°)	②
PET	Polyethylen-terephthalat	Rynite FR 530 L	Du Pont	E 41938	05.09.08	94-V0 (0,35)	960	800 (0,75)	960 (0,75)	250	H (180°)	②
PPS	Polyethylen-sulfid	Fortron 1140 L4	Ticona	E 107854	17.08.07	94-V0 (0,38)	960			125	200 (200°)	
LCP	Flüssigkristall-polymer	Vectra E130	Ticona	E 83005	20.11.03	94-V0 (0,38)	960			175	220 (220°)	
PEEK	Polyetheretherketon	Victrix 150 GL 30	Victrix	E 161131	03.03.04	94-V0 (0,75)	960		960 (2,0)			
These informations and datas are taken from the recently available documents of the respective supplier.							① Material for boxes					
Release: 05/10							② UL-tested Insulation systems acc. UL-1446/IEC 85 are available from the supplier for these materials.					

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