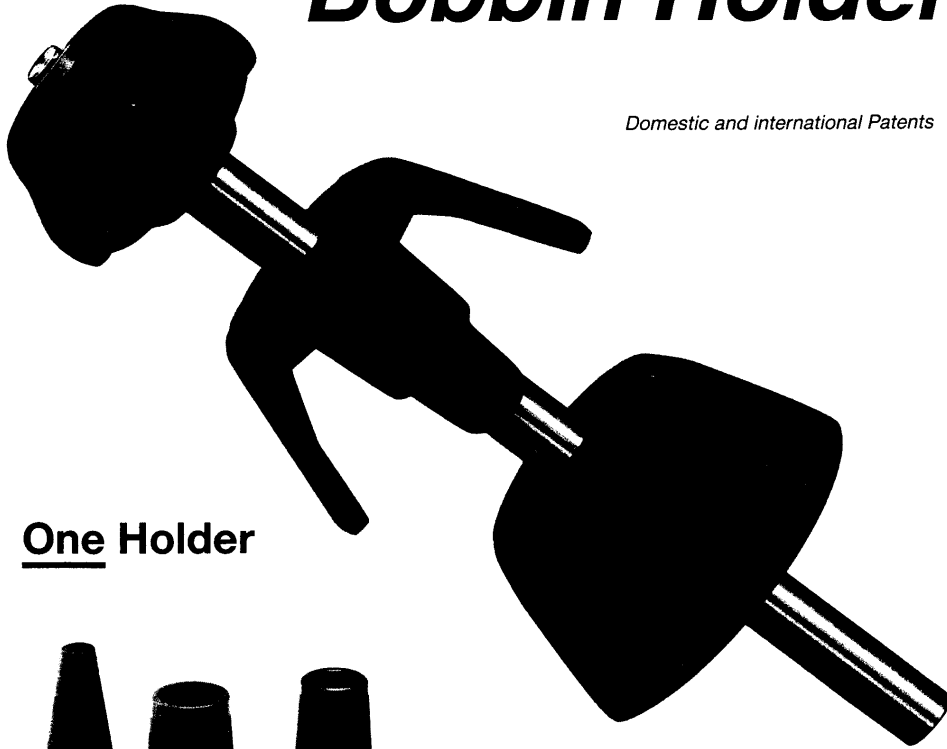


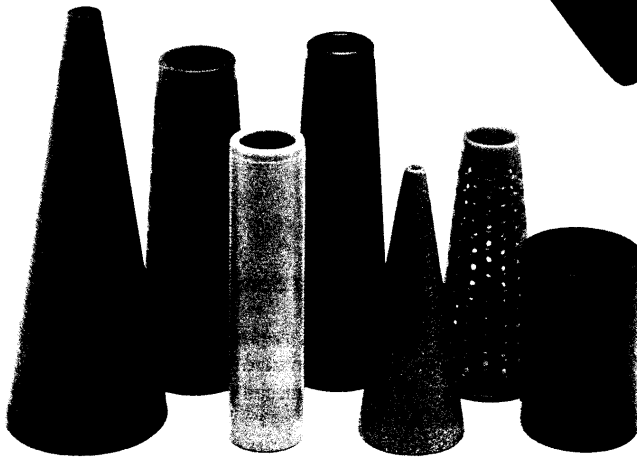
The Universal Bobbin Holder:

HAAG

Domestic and international Patents



One Holder



for bobbins
of different
shapes and
sizes

HAAG prod. by
BRAC-WERKE AG
CH-4226 BREITENBACH

TECHNICAL PRECISION COMPOSITES
Zubehör für Textilmaschinen
Accessories for textile machinery
Accessoires pour machines textile



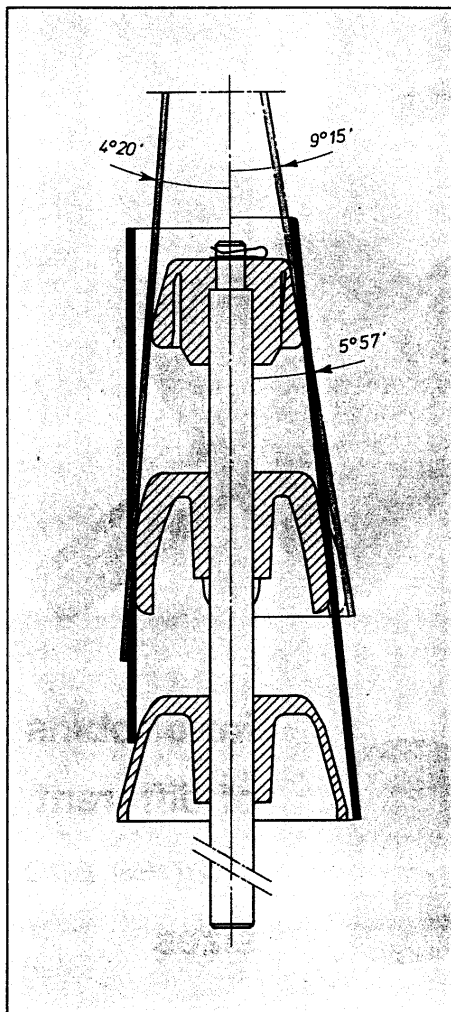
This bobbin holder, which meets the worldwide demand for a holder for bobbins in different sizes and shapes, has gained attention all over the world.

With only one set of slide-on components it is possible to employ

cones with various tapers

cylindrical bobbins

bobbins of various lengths



Application

- bobbin creel for warping machines
- creel for shuttleless looms
- yarn spindles for pirn winders
- yarn spindles for twisting machines
- yarn spindles for other machines

Features

- simple handling, fast assembly
- firm seating – impossible for bobbins to fall off
- precise centering – fewer thread breaks
- no bobbin rotation
- no bobbin damage
- elastic – unbreakable-hard wearing
- and unlimited service life

Combination of components

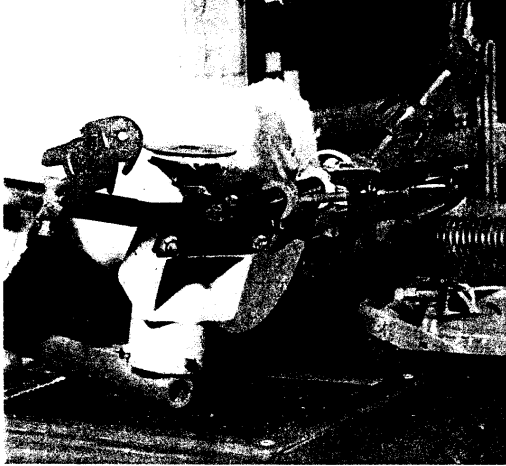
As various shapes, sizes and materials for the slide-on components are available, an optimal holding arrangement can be provided for your needs.

HAAG prod. by
brac-werke ag
CH-4226 BREITENBACH

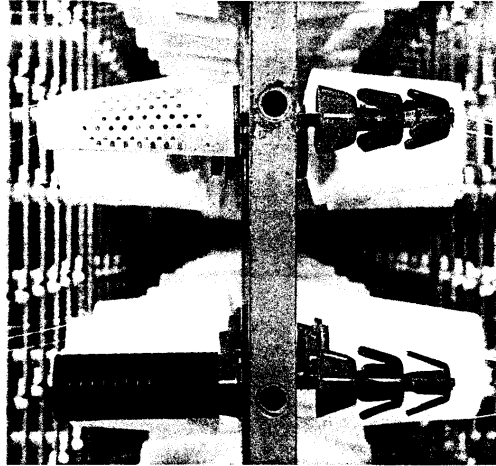
TECHNICAL PRECISION COMPOSITES
Zubehör für Textilmaschinen
Accessories for textile machinery
Accessoires pour machines textile



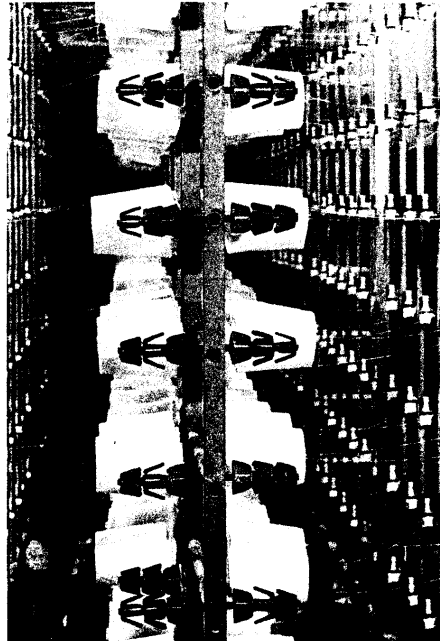
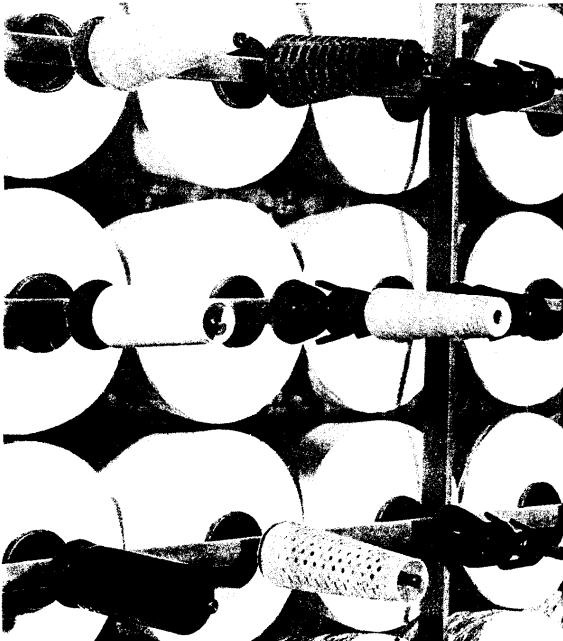
Possible practical applications



On a loom



On a creel



HAAG prod. by
brac-werke ag
CH - 4226 BREITENBACH

TECHNICAL PRECISION COMPOSITES
Zubehör für Textilmaschinen
Accessories for textile machinery
Accessoires pour machines textile



Fig. 1 shows a bobbin holder for cones. Clamping is carried out by means of clamp 2073 which is seated rigidly on the spindle. Centering plug 2070 can be moved up and down the spindle and is kept in the proper position at all times to adapt to the various cone tapers and diameters.

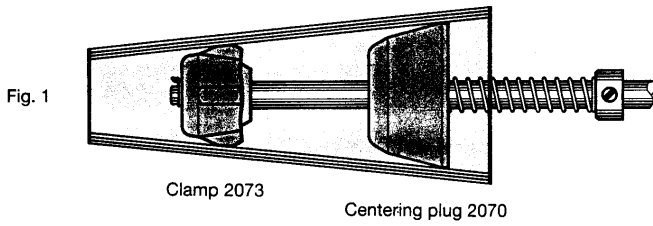


Fig. 2

Figures 2 and 3 show a bobbin holder with 3 slide-on components which can be employed for holding both cones with various tapers (fig. 2) as well as cylindrical bobbins (fig. 3).

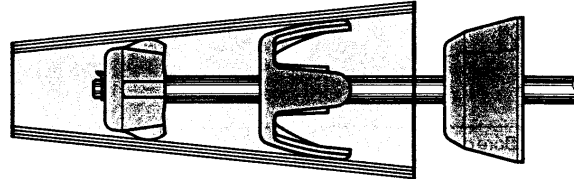
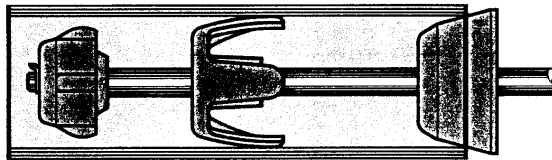


Fig. 3



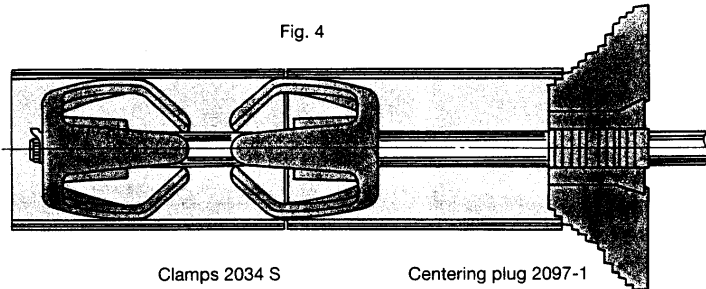
Clamp 2073 Clamp 2034 Centering plug 2070

As can be seen in the illustrations, the holding action in cones is provided by the two front components while in the case of cylindrical bobbins it is provided by the two rear components.

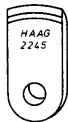
Again clamp 2073 is rigidly attached while the other two components are moveable.

Fig. 4

Fig. 4 shows a bobbin holder for OE bobbins with clamps 2034 S and centering plug 2097-1. Here two OE bobbins can be positioned one behind the other and removed again.



Clamps 2034 S Centering plug 2097-1



Locking stop

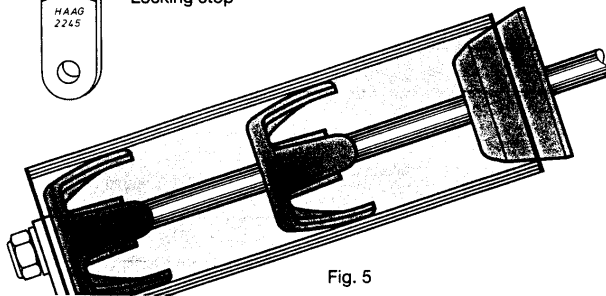


Fig. 5

Fig. 5 shows a holder which is arranged with a downward inclination and is used for heavy bobbins.

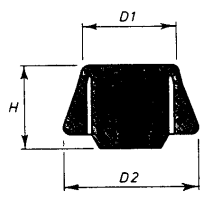
As an additional safeguard in the case of strong vibrations, locking stop 2245 is fixed onto the threaded tip of the spindle. By locking in the bobbins, an optimal hold is provided.

HAAG
brac-werke ag
CH - 4226 BREITENBACH

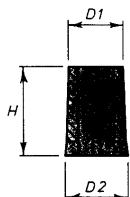
prod. by

TECHNICAL PRECISION COMPOSITES
Zubehör für Textilmaschinen
Accessories for textile machinery
Accessoires pour machines textile

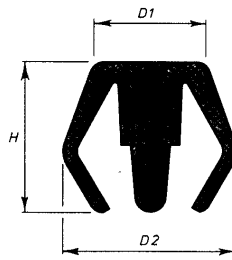




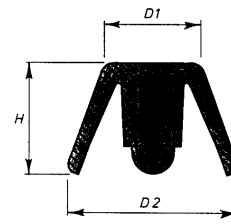
2073



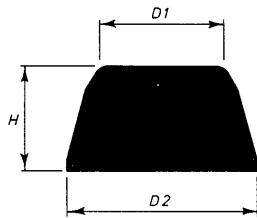
4562



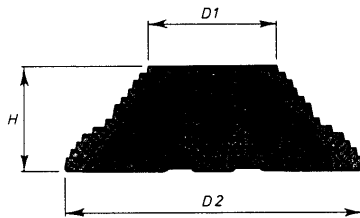
2034 S



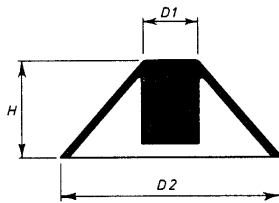
2034



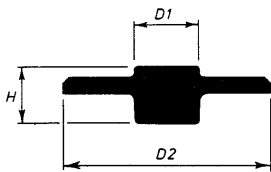
2070



2097-1



4146-A



2007

Type	Dimensions			Bore	Material stiffness
	D1	D2	H		
2073	34.3	47	30	A-K, M-W	3 and 5
4562	18.6	21	30	B, F, V	5 " 7
2034 - 0	30	53	40	A-K, M-V	5 " 7
2034 - 1	35	58	40	A-K, M-V	5 " 7
2034 - 1 S	35	56.5	54	A-K, M-V	5 " 7
2034 - 2	40	63	40	A-K, M-V	5 " 7
2034 - 2 S	40	61.5	54	A-K, M-V	5 " 7
2034 - 4	45	68	40	A-K, M-V	5 " 7
2034 - 6	55	78	40	A-K, M-V	5 " 7
2034 - 6 S	55	76.5	54	A-K, M-V	5 " 7
2034 - 8	65	88	40	A-K, M-V	5 " 7
2034 - 10	75	98	40	A-K, M-V	5 " 7
2034 - 11	80	103	40	A-W	5 " 7
2034 - 12	20	29	17	A-G, M-P, T	5 " 7
2034 - 13	31	40	17	A-G, M-P, T	5 " 7
2034 - 14	85	108	40	A-W	5 " 7
2034 - 15	95	118	40	A-W	5 " 7
2034 - 16	90	113	40	A-W	5 " 7
2034 - 17	115	138	40	A-W	5 " 7
2070	41.8	64	35	B-K, M-V	5 " 8
2097 - 1	44.5	101.5	35.5	B-K, M-V	5 " 8
4146 - A	20	80	35	B-K, M-V	5 " 8
2007 - ø 37	22	37	19	A-K, M-T, V	5
2007 - ø 41	22	41	19	A-K, M-T, V	5
2007 - ø 54	22	54	19	A-K, M-T, V	5
2007 - ø 56	22	56	19	A-K, M-T, V	5
2007 - ø 70	22	70	19	A-K, M-T, V	5
2007 - ø 79	22	79	19	A-K, M-T, V	5
2007 - ø 86	22	86	19	A-K, M-T, V	5
2007 - ø 88	22	88	19	A-K, M-T, V	5
2007 - ø 91	22	91	19	A-K, M-T, V	5
2007 - ø 93	22	93	19	A-K, M-T, V	5
2007 - ø 98	22	98	19	A-K, M-T, V	5
2007 - ø 110	22	110	19	A-K, M-T, V	5

HAAG
 brac-werke ag
 CH - 4226 BREITENBACH

prod. by

TECHNICAL PRECISION COMPOSITES

Zubehör für Textilmaschinen
 Accessories for textile machinery
 Accessoires pour machines textile

