

Extract from the Häfner master list of different basic types:

	Name	D1	D2	D3	L2	L1	s	cm ³	Prospectus
	All dimensions are nominal dimensions in mm _ Names according to DIN 46380 _ D1 = flange diameter _ D2 = core diameter _ D3 = bore diameter L1 = total width _ L2 = winding width (min/max) _ s = flange thickness _ cm ³ = max winding volume _ VD = container _ VB = shipping container								
small	Spool K 40 + VD	40	25	11.0	37.5	50	6.0	29	3
	Spool MF 40	40	25	8.0	70	90	10.0	54	13
	[...]								
medium	Spool L 315/36-212	315	125	36.0	200	212	6.0	13,131	14
	Spool HKL 200/22 + VD	200	112	22.0	221	315	47.5	5,790	2, 13, 19
	Spool SH 460 K	460	319	305.0	91	105	7.0	7,850	6
large	[...]								
	Flange BSO 800	800	600	56.0	–	–	15.0	–	1
	Spool KCS 900	900	450	80.0	560	690	65.0	267,000	15
	Spool KCS 1000-N	1000	500	80.0	560	700	70.0	330,000	15

Are you interested in the complete basic spool type programme? Please click on www.hafner-medspools.com/masterlist



www.hafner-medspools.com

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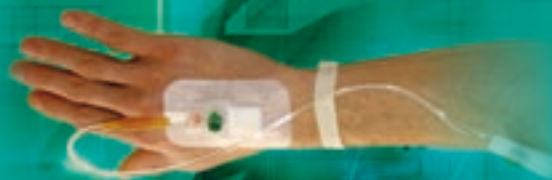
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Jan Häfner | Manager

Medical technology and Häfner – a successful partnership.

Individual product solutions have always been Häfner's particular strength. Interdisciplinary research and development and close dialogue with our customers has made us the number one in Europe in the development, design and production of spools.

The best prerequisites for developing, producing and providing medical technology products with innovative designs, highly qualified expertise, and system and process optimised clean room technology.

Let's talk about our goals – we have the solution for your task.



Ultra-modern clean room production for medical technology by Häfner



Grey zone: Injection moulding equipment with "rooming in". The clamping unit with tooling mould is in the clean room.



Professional staff: The product is never in human contact.



In the clean room: Removal, stacking and packaging in a double foil package with a five axis robot.



To customer specifications: Contact-free stacking in double foil packaging.

Effective clean room design

Particle and germfree thanks to the "rooming in" method.

The clamping unit with the tooling mould is located in the clean room. The basic control procedures are all performed from outside.

The results count: The risk of possible contamination is reduced to a minimum.

Product safety is our priority

Häfner's clean room is qualified as class 8 according to DIN EN ISO 14644-1 and is confirmed free of particles and germs to c'GMP class D.

Quality benefits: The spool user is spared the trouble and cost of subsequent cleaning.

Customer orientation is the name of the game

From the concept and development of the article and tool design to the production of aseptic spools. Häfner's highly specialised tool engineering offers 3D design, mould flow analysis and ultra-modern measuring techniques.



Individual product solutions are our strength – challenge us!

▶▶ **FastForwardInfo** You choose – either fax to **+49 (0) 5208 7004-155** or click on **www.hafner-medspools.com**

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Individual advice

Our preference for an appointment:

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