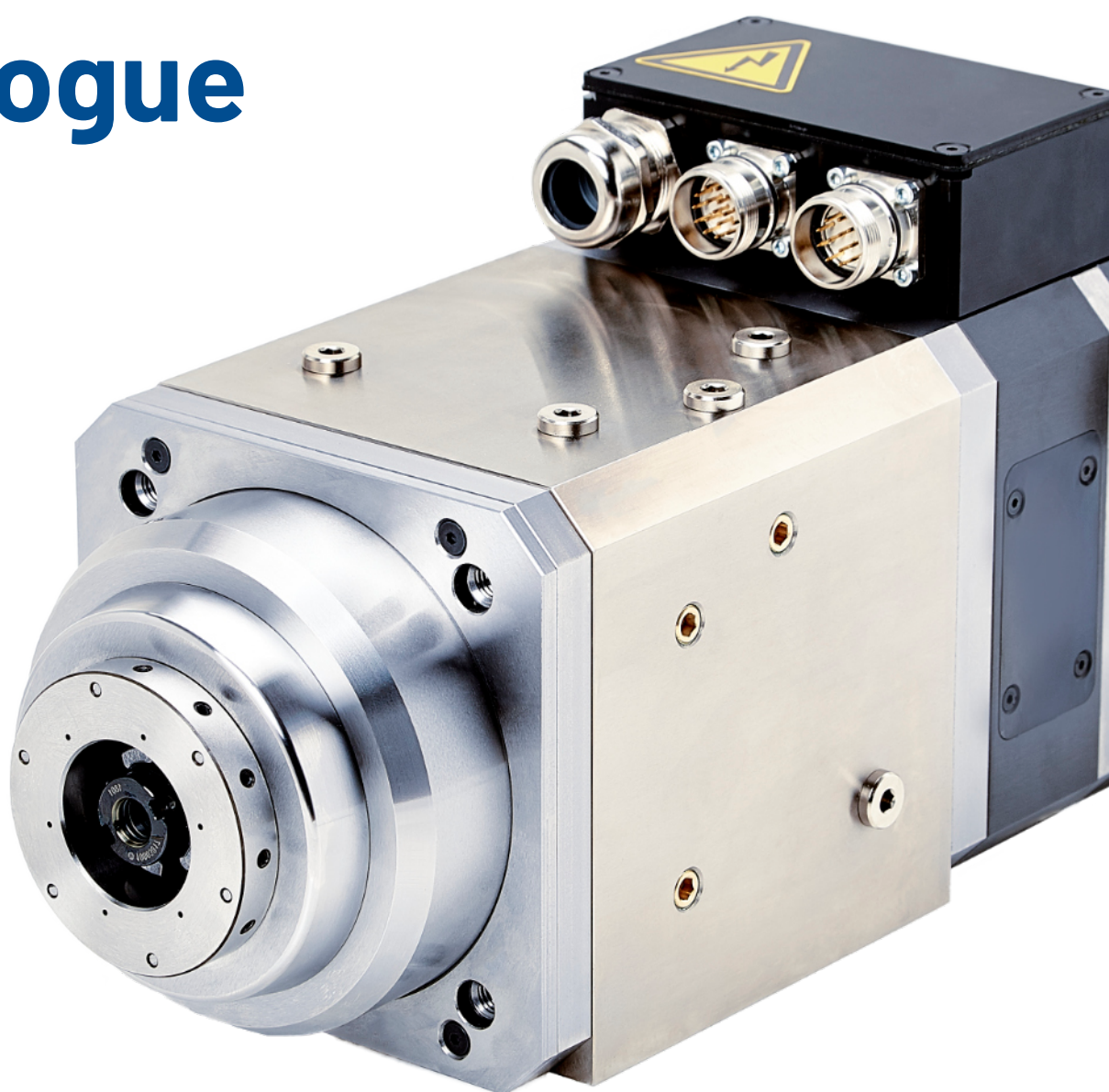


Product Catalogue



Our group

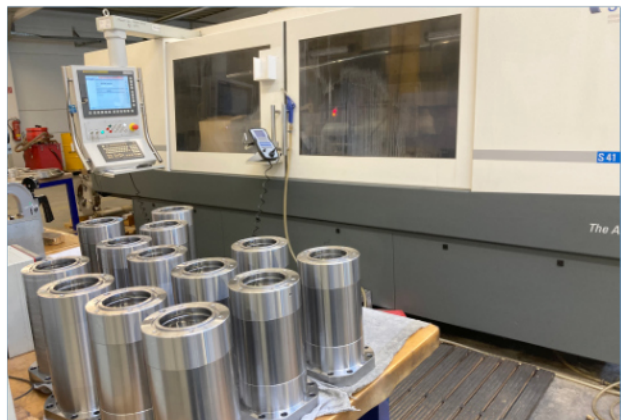
Spindle Masters is driven by experienced and innovative teams from three internationally recognized quality suppliers. We are specialists in the development and production of motor spindles, belt-driven spindles and special spindles. What unites us is our passion for precision and our shared commitment: Spin your Success!

With our locations in **Filderstadt** (GER), **Klingenberg** (GER) and **Pontoglio** (ITA), we offer a wide range of services - both standardized model series as well as individual and innovative solutions.



For you, this means that we can work flexibly and efficiently thanks to our co-operation within the network. At the same time, you benefit from our extended pool of expertise. These benefits make Spindle Masters the ideal partner for your spindle solution.

With our medium-sized DNA, we emphasize direct channels, clear communication and binding agreements. We look forward to getting in touch with you personally.



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Your advantages of working with Spindle Masters

Our customers particularly appreciate the quality and focus of our advice and execution. That is why our quality management is also ISO 9001 certified. But we offer much more: with our expertise as specialists in spindle technology and the flexibility of a medium-sized company, we can provide comprehensive support for all aspects of spindle solutions.

Production from batch size 1

We offer customized solutions even in small quantities. This makes us the ideal partner for innovative and specialized applications.

Service and repair

We professionally refurbish defective spindles with new parts, meeting the same acceptance criteria as for new spindles.

Extensive engineering

With our expertise and technical capabilities, we can support you in areas such as simulation, thermal measurement and rigidity analysis.

Spindle hotel

We are happy to store your spindles to prevent damage due to downtime. The warranty period only starts from the date of dispatch.

Service and repair

The same quality and precision as with a new spindle – to keep your processes running



A spindle unit is subject to the highest loads in daily operation. Even robust materials and perfect workmanship cannot prevent wear and tear. Should repairs be required, our experienced technicians will be there for you offering their well-coordinated spindle service.

Acceptance	Localisation	Cost estimate	Repair	Quality inspection	Delivery
Acceptance of the faulty spindle system	Locating the cause of a failure	Cost estimate incl. list of spare parts, if necessary	Repair of the spindle system by qualified personnel	Quality inspection and test report for the customer	A fully functioning spindle is delivered

Precise analysis, transparent costs

Each spindle is carefully disassembled upon receipt to identify the cause of failure. After a thorough examination, the necessary maintenance work and required spare parts such as ball bearings, seals, etc. are determined, and the customer promptly receives a cost estimate. Of course, production components are meticulously inspected to ensure their potential for reuse.

Spindle systems as good as new

After the order has been placed or the cost estimate has been approved by the customer, the repair is carried out as quickly as possible. The criteria for acceptance and approval by our quality assurance department are the same as those that apply to new spindle units. When the spindles are returned, the customer receives a test report listing the quality values achieved. Qualified personnel and strict quality controls ensure the professional repair of your spindle.

Our spindles

With over 50 years of experience in spindle technology, Spindle Masters is the strategic partner for those seeking excellence in performance and absolute reliability. We design and manufacture motor spindles, belt-driven spindles, and custom solutions developed to meet the exact requirements of your specific application. From initial design to after-sales support, we have only one goal:

Spin your Success!



GRINDING

Extreme Precision and Stability

Engineered for flawless finishes, ensuring a run-out accuracy of <0.002 mm and maximum dimensional stability. Fully compatible with monitoring sensors and automatic balancing systems



MILLING

Power and Operational Rigidity

High-performance solutions featuring HSK tool interfaces. The rigid design and optimal balancing ensure smooth operation and maximum precision in both vertical and horizontal configurations



DRESSING

Efficiency and Modular Design

Compact motorized systems for rotating tool profiling. Thanks to a modular structure and integrated encoders, they offer total process control and rapid setup for any machine type

GRINDING



Special materials are used in the manufacturing of our grinding spindles to ensure high dimensional stability even under extreme operating conditions. For the bearings, only high-precision bearings under preload are fitted. The true-running accuracy at the receiving taper is <0.002 mm.

Automatic balancing systems, as well as various sensors for condition monitoring, can be integrated.

Our spindles can be classified in four different types:

- Square spindles with integrated motor
- Round spindles with integrated motor
- Spindles with flanged motor
- Belt-driven spindles

Square spindle - integrated motor



Mechanical/Electrical data

Art.	Square [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]					Lubrication
VFS-910.100125	100	380	Cylindric	3,4	2,0	16.000	15.600	9,0	-	-	-	-	Grease
VFS-910.100110	140	395	HSK-C63	6,0	7,2	8.000	7.730	13,0	-	-	-	-	Grease
VFS-910.100134	180	432	Cone	6,6	28,0	1.000	2.240	38,0	-	-	-	•	Grease
VFS-910.100128	146	544	Cone	9,3	11,6	7.750	7.680	20,0	-	-	•	•	Grease
VFS-910.100136	140	491	HSK-C50	10,0	12,4	12.000	7.730	21,0	-	-	-	-	Grease
2600.140.021.01	140	370	HSK-E63	10,0	7,3	15.000	12.000	23,0	-	-	-	•	Grease
VFS-910.100144	250	544	Cylindric	10,4	319,0	939	312	24,0	-	-	-	•	Grease
2600.220.002.01	220	642	HSK-F63	10,5	35,3	15.000	2.840	45,0	-	-	-	•	Grease
2600.220.003.01	220	642	HSK-A63	10,5	35,3	15.000	2.840	45,0	-	-	-	•	Grease
VFS-910.100141	170	525	Cone	14,0	63,7	5.500	2.100	46,0	-	-	-	•	Grease
5100.240.001.02	240	429	A6 Cone	14,0	45,0	6.000	5.850	27,0	-	-	-	•	Grease
2600.140.008.02	140	333	HSK-E50	15,0	14,3	24.000	10.000	40,0	-	-	-	•	Grease
2600.140.011.01	140	365	HSK-A63	15,0	14,3	30.000	10.000	51,0	-	-	-	•	Air-Oil
2600.140.021.02	140	370	HSK-E63	15,0	14,3	15.000	10.000	39,0	-	-	-	•	Grease
2600.150.702	150	425	HSK-C63	15,0	14,5	10.000	10.000	39,0	-	-	-	-	Grease
2600.170.002.00	170	395	HSK-E50	15,0	14,8	20.000	3.870	39,0	-	-	-	•	Grease
2600.210.701	210	560	1:10 Cone	15,0	45,0	4.300	3.150	32,0	-	-	-	-	Grease
2600.210.702	210	560	1:10 Cone	15,0	45,0	4.300	3.150	32,0	-	-	-	-	Grease
VFS-910.100133	180	492	Cone	15,0	45,0	4.850	3.200	60,0	-	-	•	-	Grease
VFS-910.100142	120	442	HSK-C25	18,0	3,8	45.000	45.000	36,0	-	-	-	•	Air-Oil
VFS-910.100115	250	856	HSK-C100	19,0	124,0	4.500	1.500	74,0	-	-	-	•	Grease
VFS-910.100120	170	666	Cone	20,0	24,3	11.000	7.880	55,0	-	-	-	-	Grease
VFS-910.100135	170	666	Cone	20,0	24,3	11.000	7.880	55,0	-	-	•	•	Grease

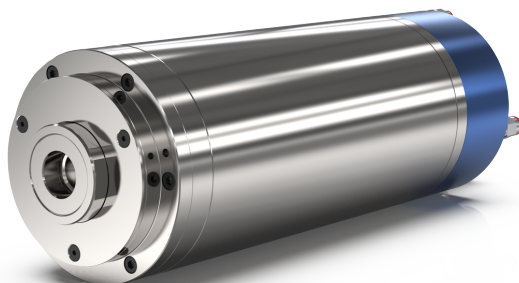
Acoustic emission
Balance system
Bearing sensor
Rotary encoder

Mechanical/Electrical data

Art.	Square [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]					Lubrication
VFS-930.100037	170	677	HSK-F63	20,0	24,2	11.900	7.880	55,0	-	-	-	•	Grease
VFS-910.100130	190	793,5	Cylindric	28,0	45,5	6.000	5.880	58,0	-	-	•	-	Grease
2600.170.008.01	170	395	HSK-E50	28,0	26,7	20.000	10.000	62,0	-	-	-	•	Grease
VFS-910.100140	290	1044,5	Cylindric	28,3	300,0	2.500	900	168,0	-	-	-	•	Grease
VFS-910.100131	270	852	Cone	29,3	200,0	4.500	1.400	84,0	-	-	•	•	Grease
VFS-910.100123	250	861	Cylindric	31,0	78,0	8.000	3.840	79,0	-	-	-	•	Grease
VFS-910.100129	250	712,5	Cone	32,0	38,7	8.000	7.900	61,0	-	-	•	-	Grease
5100.140.002.01	140	524	A5 Cone	32,0	111,4	8.000	8.000	82,0	-	•	-	•	Grease
2600.140.017.01	140	470	HSK-A63	32,0	38,2	15.000	8.000	82,0	-	•	-	•	Grease
2600.140.014.01	140	418	HSK-A63	32,0	38,2	15.000	8.000	82,0	-	-	-	•	Grease
5100.200.002.01	200	538	2x A6 Cone	35,0	22,9	7.000	3.000	66,0	-	-	-	•	Grease
VFS-910.100127	270	952	Cone	37,7	300,0	4.500	1.200	218,0	-	-	•	•	Grease
VFS-910.100146	325	1018	Cylindric	37,7	300,0	2.500	1.200	218,0	-	-	-	•	Grease
VFS-910.100109	246	664	HSK-C80	38,0	84,0	9.000	4.300	105,0	-	-	-	•	Grease
VFS-930.100034	380	1170	HSK-E160	50,0	477,5	4.000	1.000	166,0	-	-	•	•	Grease

Acoustic emission
Balance system
Bearing sensor
Rotary encoder

Round spindle - integrated motor

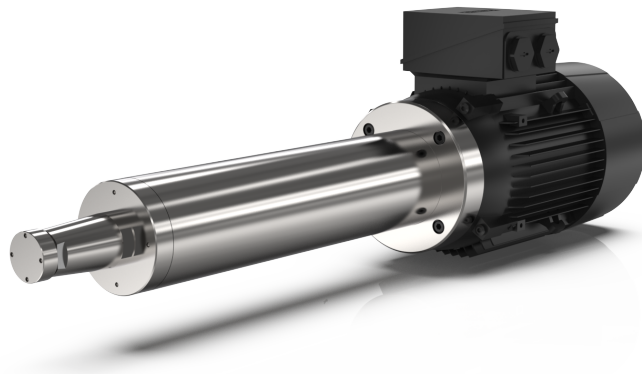


Mechanical/Electrical data

Art.	Ø [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]					Lubrication
VFS-840.100007	100	366	HSK-C32	1,7	1,3	12.500	12.100	4,4	-	-	-	•	Grease
VFS-800.100057	100	500	Cone	2,5	3,6	6.500	6.500	10,5	-	-	-	-	Grease
VFS-840.100011	100	358	HSK-C50	7,5	3,0	30.000	24.000	18,0	-	-	-	•	Grease
3200.100.702	100	368	Cylindric	10,0	3,2	30.000	30.000	27,0	-	-	-	-	Grease
VFS-900.100068	178	360	HSK-E50	12,0	25,4	8.000	4.510	30,0	-	-	•	•	Grease
2660.120.001.00	120	390	HSK-D40	12,0	3,5	38.000	32.700	30,0	-	-	-	•	Grease
3200.150.701	150	444	HSK-C63	13,0	24,0	8.000	5.000	34,0	-	-	-	-	Grease
VFS-810.100017	100	520	HSK-C63	13,0	13,8	9.000	9.000	29,0	-	-	-	-	Grease
VFS-840.100010	120	483	HSK-C50	13,0	17,7	15.000	7.000	30,0	-	-	-	•	Air-Oil
5100.240.001.02	240	429	A6 Cone	14,0	22,9	6.000	5.850	27,0	-	-	-	•	Grease
3200.120.705	120	335,5	Cylindric	15,0	6,0	42.000	24.000	45,0	-	-	-	-	Air-Oil
2650.170.001.01	170	440	HSK-E50	15,0	14,8	16.000	3.870	39,0	-	-	-	-	Grease
5100.155.726	155	574	1:5 Cone	19,0	62,0	6.000	3.000	55,0	-	-	-	-	Grease
5100.250.701	250	817	HSK-A100	20,0	85,6	9.000	2.000	55,0	-	-	-	•	Grease
VFS-900.100051	170	725	HSK-A80	21,0	28,7	10.000	7.000	35,0	-	•	•	•	Grease
VFS-810.100015	160	1113	HSK-C80	22,0	124,0	4.500	1.690	45,0	-	-	-	•	Grease
VFS-900.100066	160	903	HSK-A63	25,0	30,4	11.000	7.850	43,0	•	•	-	•	Grease
VFS-800.100048	100	523	HSK-C63	30,0	32,0	10.000	9.000	60,0	-	-	-	-	Grease
VFS-900.100075	280	1548	HSK-A100	30,0	116,0	6.000	2.460	56,0	•	•	•	•	Grease
5100.250.703	250	762	1:5 Cone	35,0	209,0	3.000	1.600	80,0	-	-	-	-	Grease

Acoustic emission
Balance system
Bearing sensor
Rotary encoder

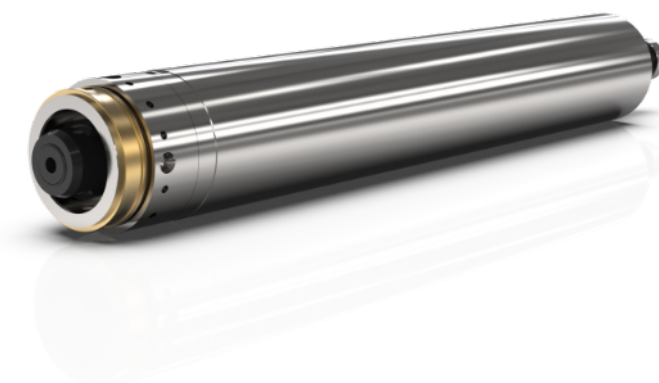
Round spindle - flanged motor



Mechanical/Electrical data

Art.	Ø [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]	Lubrication
VFS-500.000000	40	436	1:7,5 Cone	0,6	1,9	3.000	2.800	1,4	Grease
VFS-500.000025	60	765	1:7,5 Cone	0,8	2,6	3.000	2.805	1,7	Grease
VFS-500.100157	60	565	1:7,5 Cone	0,8	2,5	3.000	2.850	1,7	Grease
VFS-500.100161	50	579	1:7,5 Cone	1,0	3,3	3.000	2.735	2,3	Grease
VFS-500.100151	50	337	1:7,5 Cone	1,1	1,0	10.000	10.000	2,4	Grease
VFS-500.100182	60	367	ER25	1,1	1,0	10.000	10.000	2,4	Grease
VFS-500.000030	80	629	1:7,5 Cone	1,5	4,9	3.000	2.910	3,2	Grease
VFS-500.100022	80	611	Cylindric	1,5	4,9	3.000	2.910	3,2	Grease
VFS-500.100101	80	472	1:7,5 Cone	1,9	6,1	3.000	3.000	5,1	Grease
VFS-500.100150	100	670	Cylindric	2,2	7,3	6.000	2.880	7,1	Grease
VFS-500.100165	100	857	1:7,5 Cone	2,8	9,1	3.000	2.910	5,5	Grease
VFS-500.000045	100	992	1:7,5 Cone	3,0	9,8	3.000	2.910	6,2	Grease
VFS-500.100069	80	854	1:7,5 Cone	4,0	13,0	3.000	2,945	8,2	Grease
VFS-500.100176	100	756	1:6 Cone	4,0	12,9	3.000	2.950	12,8	Grease
VFS-500.000051	120	869	1:7,5 Cone	5,5	18,0	3.000	2.950	10,4	Grease
VFS-500.100155	100	635	HSK-C63	7,2	23,0	8.000	3.000	18,5	Grease
VFS-500.100131	120	1027	1:7,5 Cone	7,5	49,0	1.500	1.465	15,0	Grease
VFS-500.100088	140	1055	1:7,5 Cone	11,0	72,0	3.000	1.465	37,4	Grease
VFS-500.100170	200	1282	1:7,5 Cone	44,0	183,0	5.000	2.300	85,0	Grease

Round spindle - belt-driven



Mechanical data

Art.	Ø [mm]	Length [mm]	Tool Interface	Tool Dimension [mm]	Max. Speed [rpm]	Lubrication
VFS-600.100267	36	235	Cylindric	Ø12	8.000	Grease
VFS-700.000100	40	191	1:7,5 Cone	Ø10	36.000	Grease
4200.050.701	50	419,5	Plane	Ø20/Ø60	15.000	Grease
4200.050.703	50	256	HSK-C	32	12.000	Grease
VFS-600.000010	50	219	1:7,5 Cone	Ø15,5	19.000	Grease
VFS-700.000212	50	287	HSK-C	32	27.000	Grease
2700.060.704	60	211	Plane	Ø20/Ø60	30.000	Grease
4200.060.702	60	425	HSK-C	50	15.000	Grease
4200.060.703	60	490	HSK-C	50	15.000	Grease
VFS-600.000024	60	474	1:7,5 Cone	Ø23	15.000	Grease
VFS-600.100276	60	278	1:7,5 Cone	Ø24	15.000	Grease
VFS-600.100070	70	341	Cone	Ø32	14.000	Grease
VFS-600.100234	70	286	Cylindric	Ø30	15.000	Grease
4200.080.702	80	434	HSK-C	50	18.000	Grease
VFS-600.000031	80	354	1:7,5 Cone	Ø32	13.000	Grease
VFS-600.100108	80	222	1:7,5 Cone	Ø28	13.000	Grease
VFS-600.100258	80	306	1:7,5 Cone	Ø34	13.000	Grease
VFS-600.100269	80	365	1:7,5 Cone	Ø28	5.000	Grease
VFS-600.000042	100	564	1:7,5 Cone	Ø48	10.000	Grease
VFS-600.100027	100	418	HSK-C	63	18.000	Grease
VFS-600.100262	100	582	1:7,5 Cone	Ø48	10.000	Grease
VFS-600.100274	100	530	1:7,5 Cone	Ø38	1.200	Grease
VFS-600.100270	120	819	1:7,5 Cone	Ø52	5.000	Grease
6500.063.709	150	545,5	1:7,5 Cone	Ø58	6.000	Grease
6500.100.701	200	590	1:7,5 Cone	Ø94	4.000	Grease

MILLING

Our milling spindles are equipped with HSK tool clamping system. However, other clamping methods are also possible.

Tool clamping and release can be performed manually or automatically.

The smooth operation of the spindles is achieved through a rigid design and an optimal balancing process.

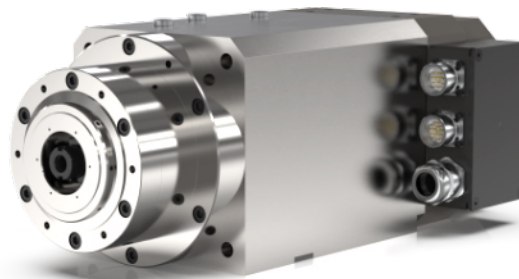
The spindles can be used both horizontally as well as vertically.



Our spindles can be classified in four different types:

- Square spindles with integrated motor
- Round spindles with integrated motor
- Belt-driven square spindles
- Belt-driven round spindles

Square spindle - integrated motor



Mechanical/Electrical data

Art.	Square [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]			Lubrication
2610.070.001.01	70	269	SK10	1,2	0,2	60.000	58.200	3,4	-	•	Grease
VFS-910.100112	90	294	Cylindric	3,0	2,4	12.000	12.000	6,0	-	•	Grease
2600.140.704.B	140	466,5	HSK-E50	3,7	23,0	4.000	1.500	18,0	•	•	Grease
VFS-910.100139	170	364	Cylindric	6,3	20,0	4.000	3.000	12,0	-	•	Grease
2600.125.010.02	125	430	HSK-F63	6,5	5,2	24.000	12.000	19,0	-	•	Grease
2500.140.002.01	140	320	HSK-D63	7,5	7,3	24.000	12.000	23,0	-	-	Grease
2500.140.006.00	140	420	HSK-C63	7,5	7,3	15.000	12.000	23,0	•	•	Grease
2600.140.003.09	140	333	HSK-E50	7,5	7,3	24.000	12.000	23,0	-	•	Grease
2500.110.004.00	120	346	HSK-C40	8,0	4,4	24.000	17.500	19,0	-	-	Grease
2600.125.006.06	125	305	HSK-A32	9,5	1,5	60.000	59.300	19,0	-	-	Grease
2600.140.001.06	140	385	HSK-F50	11,5	7,5	30.000	14.700	34,0	-	•	Grease
2600.125.003.07	125	360	HSK-F40	12,0	3,5	40.000	32.700	30,0	-	•	Grease
2600.150.028.01	150	455	HSK-F63	12,0	19,5	20.000	5.870	31,0	-	-	Grease
2600.150.029.01	150	455	SK40	12,0	19,5	20.000	5.870	31,0	-	-	Grease
VFS-930.100039	142	553	HSK-F63	12,0	9,8	24.000	11.700	34,0	•	-	Grease
2500.140.007.01	140	422	HSK-C63	15,0	14,3	24.000	10.000	40,0	•	•	Grease
2600.140.008.02	140	333	HSK-E50	15,0	14,3	24.000	10.000	40,0	-	•	Grease
2600.140.705	140	447,5	HSK-E50	15,0	7,9	24.000	18.000	34,0	•	•	Grease
2600.150.021.02	150	385	HSK-F63	15,0	14,8	24.000	3.870	39,0	-	•	Grease
2600.150.023.06	150	460	HSK-F63	15,0	14,8	24.000	3.870	39,0	•	•	Grease
2600.150.026.03	150	331	HSK-F63	15,0	14,3	24.000	10.000	40,0	-	•	Grease
2600.150.030.01	150	473	HSK-F63	15,0	14,5	30.000	9.860	39,0	-	-	Grease
2600.175.003.04	175	475	HSK-E63	24,0	39,1	18.000	5.850	82,0	-	•	Grease

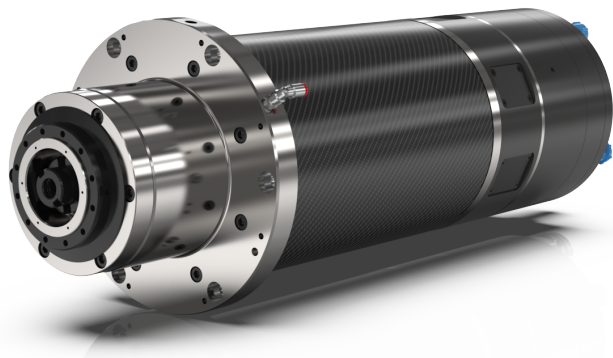
In-axis coolant
Rotary encoder

Mechanical/Electrical data

Art.	Square [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]			Lubrication
2600.175.004.04	175	450	HSK-F63	24,0	39,1	24.000	5.850	82,0	-	•	Grease
2600.175.012.02	175	472	HSK-F80	24,0	39,1	21.000	5.850	82,0	-	•	Grease
2600.175.025.06	175	508	HSK-A63	24,0	39,1	21.000	5.850	82,0	-	•	Grease
2600.150.025.01	150	385	HSK-F63	35,0	27,9	24.000	12.000	78,0	-	•	Grease
2600.175.008.02	175	510	HSK-B80	55,0	87,5	16.000	6.000	119,0	-	•	Grease
2600.175.026.03	175	565	HSK-E80	55,0	87,5	13.000	6.000	119,0	-	•	Grease

In-axis coolant
Rotary encoder

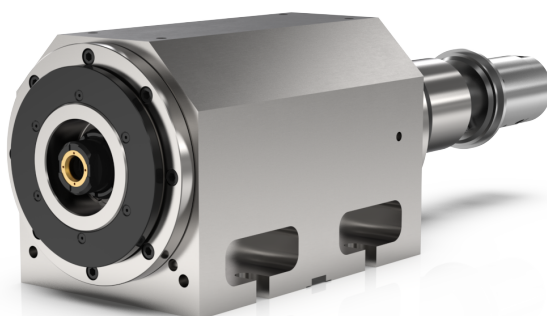
Round spindle - integrated motor



Mechanical/Electrical data

Art.	Ø [mm]	Length [mm]	Tool interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]	In-axis coolant Rotary encoder		Lubrication
7400.090.009	90	267,5	HSK-C32	1,5	0,6	30.000	31.100	5,0	•	-	Grease
VFS-900.100086	62	335	Clamping	2,7	0,54	50.000	47.400	6,8	-	-	Grease
VFS-820.100044	60	670	HSK-C40	2,8	3,0	12.000	9.000	12,2	-	-	Grease
VFS-920.100054	100	380	Special	3,0	1,8	12.000	16.000	18,0	-	•	Grease
VFS-920.100056	100	405	Special	3,0	1,8	12.000	16.000	18,0	-	•	Grease
VFS-920.100057	100	416	Cylindric	3,0	1,8	12.000	16.000	18,0	•	•	Grease
2650.080.701	80	336,5	HSK-D63	3,8	3,5	24.000	10.000	11,0	-	•	Grease
2650.090.001.07	120	246	HSK-E25	4,6	0,7	60.000	59.400	10,0	-	-	Grease
VFS-920.100058	150	577	HSK-C50	6,3	20,0	8.000	3.000	20,0	-	•	Grease
7400.100.702	100	261	HSK-C40	8,3	2,2	42.000	36.000	19,0	-	-	Grease
VFS-920.100044	220	725	HSK-C63	11,0	70,0	5.500	1.500	46,0	•	•	Grease
2650.120.002.03	172	415	HSK-F40	12,0	3,5	40.000	32.700	30,0	-	•	Grease
2660.120.001.00	120	390	HSK-D40	12,0	3,5	38.000	32.700	30,0	-	•	Grease
5100.125.715_B	125	467	HSK-E40	14,5	14,0	20.000	11.000	35,0	-	•	Grease
2650.170.001.01	170	440	HSK-E50	15,0	14,8	16.000	3.870	39,0	-	-	Grease
2650.120.005.01	121	553	HSK-F40	25,0	10,0	40.000	24.000	49,0	-	•	Grease
VFS-900.100079	140	457	HSK-A63	25,0	23,4	20.000	10.200	55,0	-	•	Grease
5100.170.702	170	609	HSK-A63	26,0	31,0	18.000	8.000	79,0	-	•	Grease
2600.150.021.02	150	385	HSK-F63	15,0	14,8	24.000	3.870	39,0	-	•	Grease
2600.150.023.06	150	460	HSK-F63	15,0	14,8	24.000	3.870	39,0	•	•	Grease
2600.150.026.03	150	331	HSK-F63	15,0	14,3	24.000	10.000	40,0	-	•	Grease
2600.150.030.01	150	473	HSK-F63	15,0	14,5	30.000	9.860	39,0	-	-	Grease
2600.175.003.04	175	475	HSK-E63	24,0	39,1	18.000	5.850	82,0	-	•	Grease

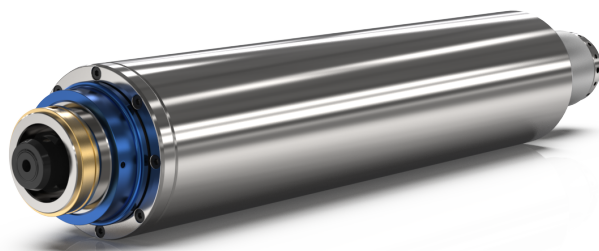
Square spindle - belt-driven



Mechanical data

Art.	Square [mm]	Length [mm]	Tool Interface	Tool Dimension [mm]	Max. Speed [rpm]	In-axis coolant	
							Lubrication
VFS-600.100281	106	332	Cylindric	50	6.000	-	Grease
VFS-600.100001	147	348	HSK-C	63	12.000	•	Grease
VFS-600.100111	147	348	HSK-C	63	6.000	•	Grease
VFS-600.100206	147	337	Cylindric	Special	6.000	-	Grease
VFS-600.100224	147	348	HSK-C	63	6.000	•	Grease
VFS-600.100249	147	300	Cylindric	32	8.000	•	Grease
VFS-600.100265	147	361	HSK-C	63	6.000	•	Grease
VFS-600.100223	149	390	HSK-C	63	5.000	•	Grease
VFS-600.100228	149	390	HSK-C	80	5.000	•	Grease
VFS-600.100263	160	542	HSK-A	80	9.000	•	Grease
VFS-600.100094	180	641	HSK-A	100	5.000	•	Grease
VFS-600.100116	180	470	HSK-C	100	5.000	-	Grease
VFS-600.100117	180	470	HSK-C	100	3.000	-	Grease
VFS-600.100181	180	390	HSK-C	100	3.000	-	Grease
VFS-600.100220	180	470	HSK-C	63	8.500	-	Grease
VFS-600.100257	180	642	HSK-A	100	3.000	•	Grease
VFS-600.100264	180	470	HSK-C	100	3.000	•	Grease
VFS-600.100221	500	379	HSK-C	63	6.000	•	Grease

Round spindle - belt-driven



Mechanical data

Art.	Ø [mm]	Length [mm]	Tool Interface	Tool Dimension [mm]	Max. Speed [rpm]	In-axis coolant	
							Lubrication
4200.075.701	75	340	HSK-C	50	10.000	-	Grease
4200.090.704	90	516	HSK-C	50	15.000	•	Grease
VFS-600.100028	115	348	HSK-C	63	6.000	•	Grease
VFS-600.100149	115	348	HSK-C	63	12.000	•	Grease
VFS-600.100219	115	448	HSK-C	63	12.000	•	Grease
VFS-600.100271	115	350	HSK-C	63	6.000	•	Grease
VFS-600.100275	115	448	HSK-C	63	12.000	•	Grease
VFS-600.100153	140	498	HSK-C	63	2.500	•	Grease
6500.040.701	150	581	SK	40	10.000	•	Grease
6500.063.702	160	532,5	HSK-A	63	10.000	•	Grease
VFS-600.100244	160	390	HSK-C	63	5.000	•	Grease
5300.160.001.01	160	443	HSK-C	63	6.000	-	Grease
VFS-600.100272	180	470	HSK-C	100	5.000	•	Grease
5200.150.001.00	200	500	ASA	A5	3.000	-	Grease

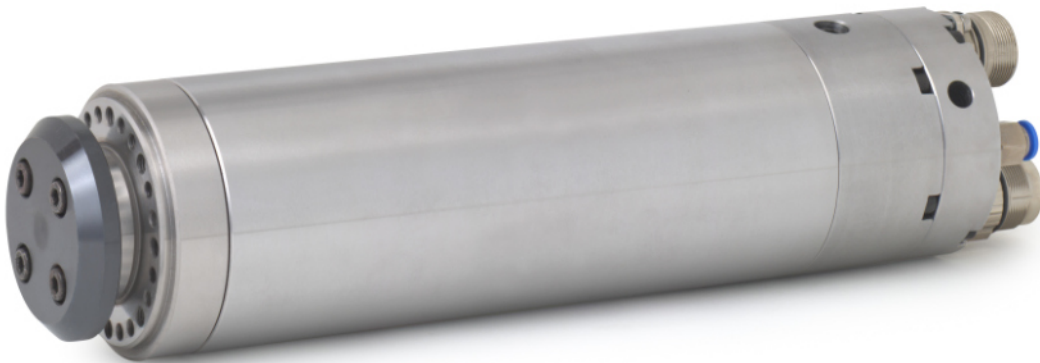
DRESSING

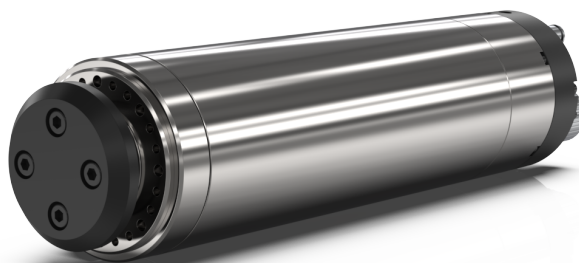


Dressing spindles are powerful motor spindle systems designed to the latest standards - specifically for dressing with rotating tools.

A modular system ensures that the spindles can be easily assembled in the required configuration.

The integration of a rotary encoder and chamfer detection is always possible.





Mechanical/Electrical data

Art.	Ø [mm]	Length [mm]	Tool Interface	Power [kW]	Torque [Nm]	Max. speed [rpm]	Rated speed [rpm]	Current [A]			Lubrication
									Acoustic emission	Rotary encoder	
VFA-190.00204	72	320	Ø40	0,5	0,3	16.900	16.600	1,7	•	•	Grease
VFA-190.00404	90	360	Ø40	1,2	0,8	14.500	14.300	3,0	•	•	Grease
VFA-190.100015	90	375	Ø40	1,2	0,8	15.000	14.300	3,0	-	-	Grease
2590.080.001.01	126	178	HSK-C63	3,0	0,6	50.000	50.000	8,0	-	-	Grease
2590.080.002.01	80	250	Ø40/Ø78	2,1	1,0	19.400	19.400	5,5	•	•	Grease

Special spindles

Even if you only need a relatively small quantity, we are your partner for custom solutions and innovative spindles.

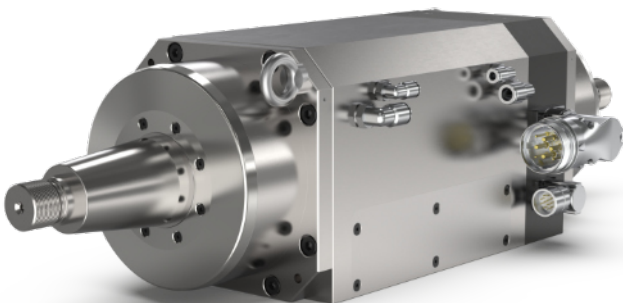
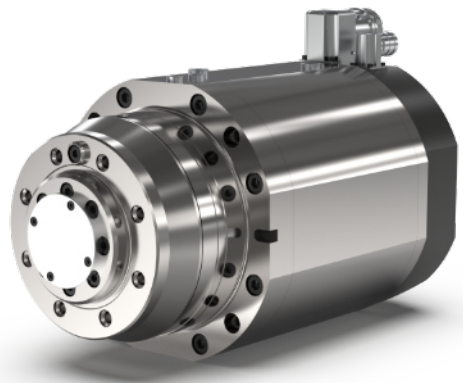
Whether you need spindles for true running tasks, for custom grinding requirements, or for test bays – we have the right spindle for your application. If not, we can very quickly produce a custom-tailored concept from our portfolio that meets your needs.

Simply advise us of your specific requirements, and we will send you a technical draft together with a quotation for the number of items requested.

Examples of custom spindles produced:

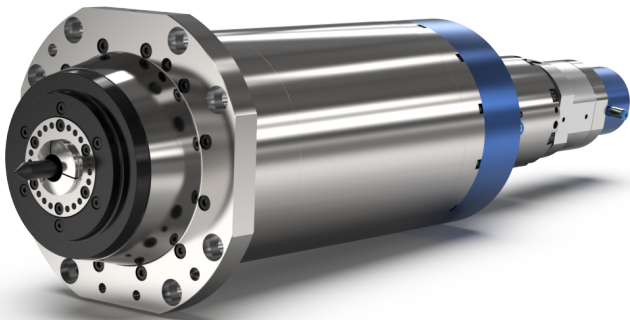
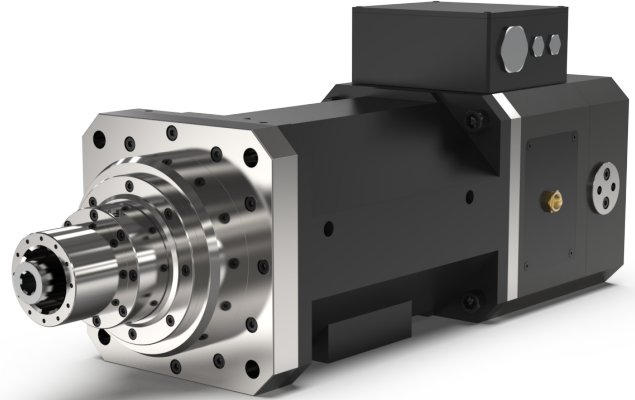
Grinding spindle with flange holder A6 for large grinding discs.

An automatic weight balancing system can be implemented in the spindles. With encoder for standstill monitoring.

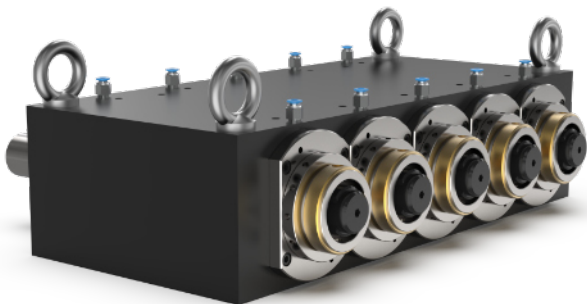


Grinding spindle with 2 tapers to accommodate grinding discs up to 500mm in diameter and 110mm wide for external cylindrical grinding. The powerful torque of the motor of 47 Nm means that a great variety of grinding tasks can be successfully undertaken.

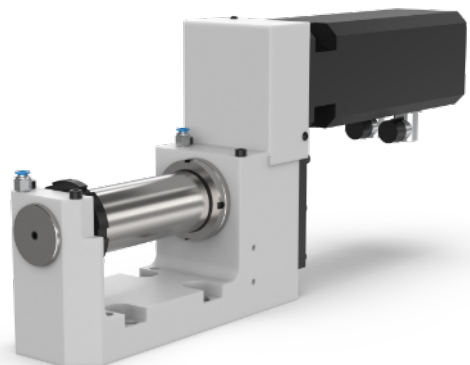
Advanced electro spindle equipped with twin independently rotating shafts and splined profiles for the engagement of recessing heads. Complete with a magnetic encoder for high precision rotations.



Electro spindle for electric motor turning. The workpiece is clamped with a collet, and a pneumatic tailstock enables its ejection. Complete with a hydraulic cylinder and an integrated rotary union for the passage of air and coolant through the axis.



5-spindle multi-spindle drilling head



Dressing unit for centreless grinding machine

Accessories

Our offering extends beyond high-quality spindles to include a comprehensive range of precision accessories designed to maximize machine system performance. We understand that the efficiency of an electrospindle or mechanical spindle depends critically on its related components; for this reason, every accessory is developed with the same rigorous quality standards and infinitesimal tolerances as our core products.

Choosing our accessories means ensuring perfect mechanical integration, reducing machine downtime, and extending the operational life of bearings and transmission components.

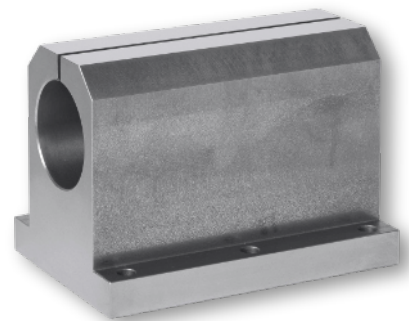
Grinding disk flanges

Our flanges are engineered to ensure a perfect interface between the grinding wheel and the spindle. Manufactured from high-strength materials and precision-treated, they guarantee maximum flatness and impeccable balancing. They are essential for minimizing vibration and ensuring superior surface finishes.



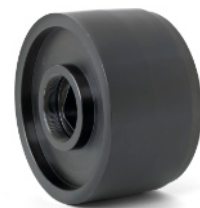
Spindle holders

Our spindle holders guarantee the best possible stability and precision during the machining process with our spindles. These holders are made from low-stress annealed GG25 material. The mounting surface is ground in order to ensure 0.01mm parallelism to the receiving bore for the spindle.



Pulleys

We offer calibrated pulleys for power transmission, optimized for high-speed operation. Available in various profiles and materials to match specific torque and speed requirements



SPIN YOUR SUCCESS!

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