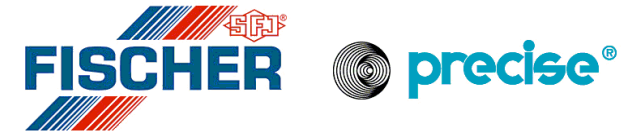
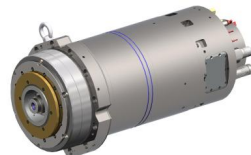


## Spindle Catalog



Article No.	.	107851	100478	105880
Spindle name	.	<b>MFW-2309/20/1 VC HSK-A100</b>	<b>MFW-2310/24/1 VCS HSK-A63</b>	<b>MFW-2307/24/34 VC HSK-A63</b>
Toolinterface	.	HSK-A100	HSK-A63	HSK-A63
Tool clamping system	.	hydraulic	hydraulic	hydraulic
Diameter	mm	230	230	230
Length	mm	598	598	490
Weight	kg	152	120	115
Operating position	.	any	any	any
Sense of rotation	.	left + right	left + right	left + right
Speed max.	rpm	20000	24000	24000
Frequency	Hz	667	800	800
Power S1	kW	85	70	40
Speed fieldweakening	rpm	9600	11000	7000
Torque S1	Nm	85	60	57
Voltage S1 max.	V	438	350	50
Current S1 max.	A	200	183	142
Motor type	.	AC sync star	AC async triangle	AC async triangle
Bearing lubrication	.	oil-air	oil-air (DLS)	oil-air
Frontseal pressure	bar	2-3	2-3	2-3
Spindle cooling system	.	front + motor + rear	front + motor + rear	front + motor
Spindle cooling medium	.	waterbased fluid	waterbased fluid	waterbased fluid
Spindle shaft cooling	.	no	no	no
Speed control	.	vector control	vector control	vector control



## Spindle Catalog

Article No.	.	104651
Spindle name	.	<b>MFW-2320/30 VC HSK-A63</b>
Toolinterface	.	HSK-A63
Tool clamping system	.	hydraulic
Diameter	mm	230
Length	mm	534
Weight	kg	107
Operating position	.	any
Sense of rotation	.	left + right
Speed max.	rpm	30000
Frequency	Hz	1000
Power S1	kW	100
Speed fieldweakening	rpm	20000
Torque S1	Nm	48
Voltage S1 max.	V	523
Current S1 max.	A	177
Motor type	.	AC sync star
Bearing lubrication	.	oil-air (DLS)
Frontseal pressure	bar	2-3
Spindle cooling system	.	front + motor + rear
Spindle cooling medium	.	waterbased fluid
Spindle shaft cooling	.	no
Speed control	.	vector control

