

## Motor type code

HS	M	112	A	A	-	B05	-	F	S	719	-	1	2
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### Product group

HS - High Speed  
HT - High Torque

### Design group

E - Unit  
M - Motor spindle  
S - Spindle motor

### Motor size

070 - 70  
090 - 90  
105 - 105  
112 - 112  
115 - 115  
132 - 132  
160 - 160  
200 - 200

### Winding

S - Synchronous motor  
A - Asynchronous motor

### Motor power

A  
B  
C - specified by manufacturer  
D  
E

### Mounting form

B05 - Horizontal flange mounting position  
V01 - Vertical mounting position, flange down  
V03 - Vertical mounting position, flange up

### Clamping tool stroke measuring system

1 - Ott-Jakob system  
2 - HSTEC sensor system  
5 - No sensor system  
0 - Special design

### Clamping system

1 - HSK automatic-hydraulic  
2 - HSK automatic-pneumatic  
3 - SK automatic-hydraulic  
4 - SK automatic-pneumatic  
5 - Manual  
0 - Special design

### Bearing design

70 - ISO 10  
72 - ISO 02  
718 - ISO 18  
719 - ISO 19

### Bearing

S - Steel bearing  
K - Ceramic bearing  
C - Hybrid bearing

### Lubrication

F - Permanent grease lubrication  
N - Re-grease lubrication  
L - Oil/air lubrication