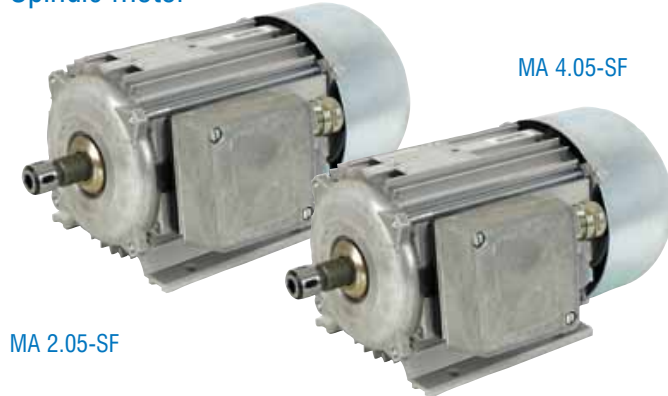


Main Spindle Drives - Asynchronous

HSA 2.05-SF
HSA 4.05-SF

systems

Spindle motor



- Nominal power output **650 / 400 W ***
- Speed range
300...18,000 min⁻¹ / 200...6,000 min⁻¹ *
- Nominal torque **1.5 / 3.0 Nm ***
- Tool changing **manually with collets**
- Overall size **63**

* In each case, the first value applies for MA 2.05-S and the second value for MA 4.05-S

Technical data

Description	Item no. (high-strength cable gland)	Item no. (circular plug-in connector)	Speed range min⁻¹	Number of poles	Nominal voltage	Nominal power output kW (S6-40%)	Nominal speed min⁻¹	Continuous output S1 kW	Concentri- city 1/100 mm	Weight kg	Recommended converter
MA 2.05-S	477605 1118	477605 3118	300-18,000	2	3 x 210 V	0.65	4,300	0.58	2.0	5.8	F5 upon request
MA 4.05-S	477605 1106	477605 3106	200-6,000	4	3 x 210 V	0.40	1,270	0.36	2.0	5.8	F5 upon request

Collets 6 mm are included in the spindle's scope of delivery

Main spindle drive

Description	Item no.
Main spindle drive HSA 2.05-SF	310706 1511

The scope of delivery includes:

- spindle motor **MA 2.05-S**
- frequency converter F5
- connecting line converter-motor (length = 8 m)
- hook spanner (width = 16-20)
- wrench (SW-13)
- collets (diameter = 6 mm)
- box nut

Main spindle drive

Description	Item no.
Main spindle drive HSA 4.05-SF	310706 1512

The scope of delivery includes:

- spindle motor **MA 4.05-S**
- frequency converter F5
- connecting line converter-motor (length = 8 m)
- hook spanner (width = 16-20)
- wrench (SW-13)
- collets (diameter = 6 mm)
- box nut