

# Spindle Motors

## iSA 3600

with  
automatic  
tool change!



Illustration: iSA 3600

### Optional:

- CoolMin tool and material cooling externally
- Frequency converter
- Tool changers
- Collets



Illustration:  
CoolMin externally

Illustration:  
Frequency converter  
SKC 4000

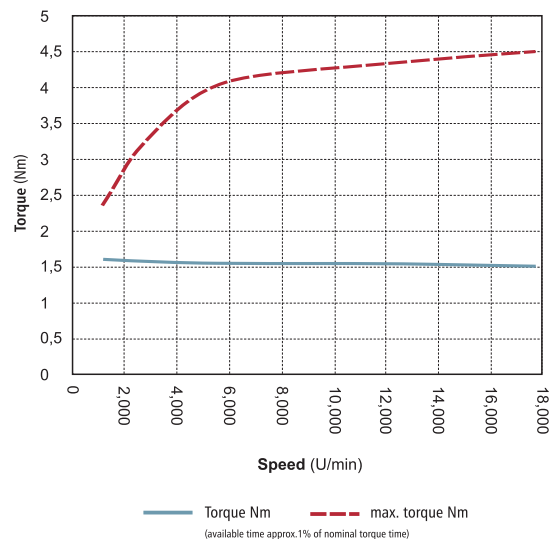
Illustration:  
Collet ER 32

- Robust 2-pole three-phase motor (asynchronous motor)
- Rectangular design, Protection Class IP54, Insulation Class F
- Steel bearing bracket A side
- Cast bearing bracket B side
- Nominal capacity 3.6 kW (S6-40% operation)
- Speed range 6,000 rpm – 18,000 rpm
- Torque 4.5 Nm (at 18.000 U/min.)
- Nominal voltage 3 x 400 V
- Automatic tool change SK 30
- Clamping range  $\varnothing$  3 mm –  $\varnothing$  20 mm
- Self-ventilation B side
- Dual precision bearing
- Speed control by means of frequency converter
- For machining aluminium, wood, plastics and non-ferrous metals

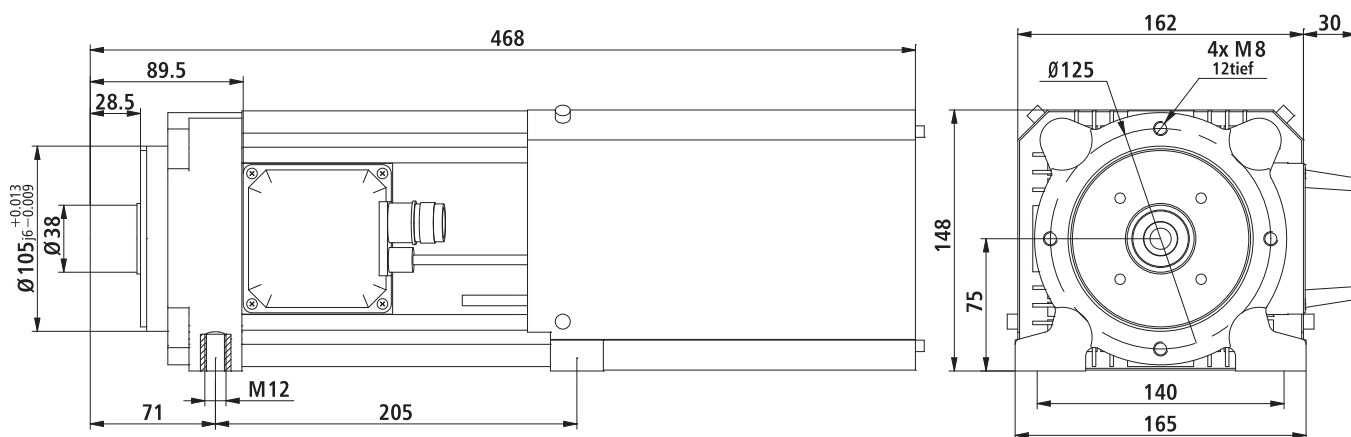
## Technical Data

Torque with nominal speed (18,000 rpm)	Nm	4.5
Speed range	rpm	6,000 ... 18,000
Cut-off frequency	Hz	300
Pole number		2
Nominal voltage	V	3x 400
Nominal current	A	5.4
Cos Φ		0.87
Nominal capacity (S6 = 40% operation)	W	3,600
Concentricity	mm	0.01
Weight	kg	23.0

## Torque Curve



## Dimensions



## Ordering Information

Item name		Item number
iSA 3600	with collet ER 32 (6 mm), clamping nut ERM 32, chuck key ER 32 M, spanner SW 47, Interconnectron connector	477822 3600
iSA 3600 with converter	as described above, plus frequency converter SKC 4000, motor connecting cable 8 m	310736 3615
Tool change station SK 30	4x with hood	239011 0045
Tool holder SK 30		239130
CoolMin	external	239011 0119
Collet set ER 30	3.0 / 4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 9.0 / 10.0 / 11.0 / 12.0 / 13.0 / 14.0 / 15.0 / 16.0 / 17.0 / 18.0 / 19.0 / 20.0 mm	239130 0000
Mounting panels for isel Systems (Z axis)	LES 5	277028 0009