Hollow-shaft motors

SPINDASYN
SKT10-145-20-xOW

Features

- Liquid cooled
- With non-continuous shaft
- Absolute encoder, also multiturn

Applications

Our SPINDASYN hollow-shaft motor series permits the mounting of various ball or planetary roll spindles. The integrated bearings are designed for high axial forces and feature great rigidity and zero backlash. Featuring these constructive advantages, the motors are predestined for applications in the entire field of the plastics industry. Thus for example the 'eject' or 'close tool' functions can be carried out very precisely electrically and dynamically.

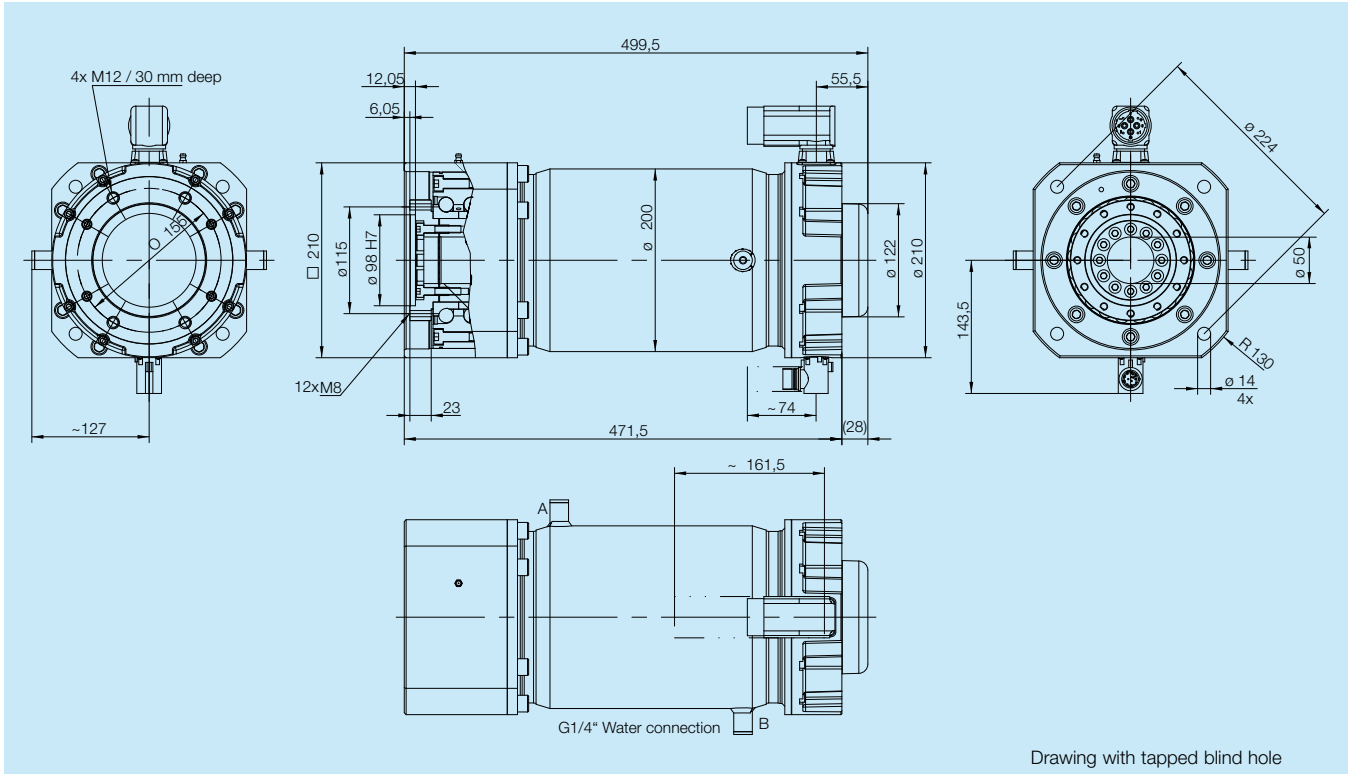
AMK

Control your Motion.

Technical data

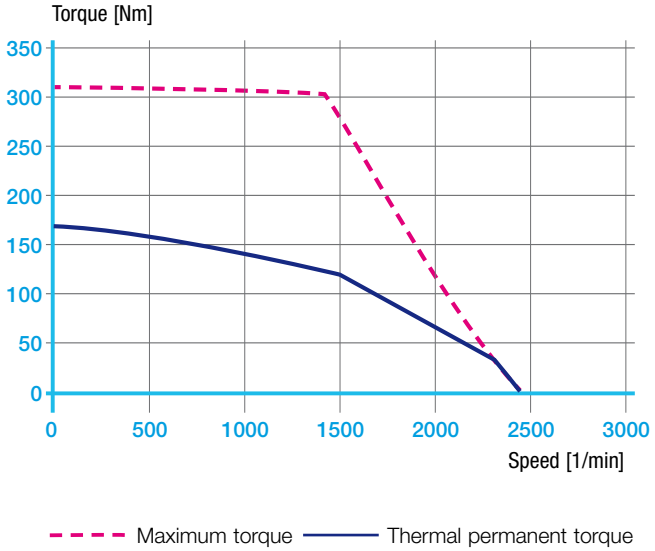
	Standstill data		Rated values					Maximum data		Mechanical data					Axial forces	
	M_0 [Nm]	I_0 [A]	M_N [Nm]	P_N [kW]	I_N [A]	n_N [1/min]	k_T [Nm/A]	M_{max} [Nm]	I_{max} [A]	n_{max} [1/min]	J [kgcm²]	L [mm]	m [kg]	s [mm]	F_{max_stat} [kN]	F_{max_dyn} [kN]
Liquid cooled																
SKT10-145-20-xOW-2000-B5	160	66.7	120	18	50	1500	2.4	310	2.3	1900	520	499.5	82	255	79	35

Explanation of characteristics: **M_0** Permanent static torque · **I_0** Permanent standstill current · **M_N** Permanent torque · **P_N** Rated output · **I_N** Rated current **n_N** Rated speed · **k_T** Rated constant · **M_{max}** Maximum torque · **I_{max}** Maximum current · **n_{max}** Maximum speed · **J** Inertia · **L** Overall length **m** Weight · **s** Traverse path · **F_{max_stat}** Maximum static bearing load · **F_{max_dyn}** Maximum dynamic bearing load



Drawing with tapped blind hole

Characteristic



Bearing service life (L10)