

DSC1-135 – Direct ejector

Resilient – compact – dynamic



Baumüller introduces new ejector drive for plastic machines

Baumüller offers a compact and high-speed drive with a new version of its three-phase current synchronous motor DSC. The DSC-135 was designed in particular with the plastics industry in mind and as an ejector drive. That is why in addition to a compact type of construction and a high level of dynamics the motor has a special mounting to compensate for axial process forces. In addition, plastics machine manufacturers benefit from a special mechanic interface for spindle connection and from the high overload capability of the motor. The DSC-135 offers a maximum torque of about 535 Nm, a rated torque of up to about 305 Nm as well as a speed range of up to about 1800 rpm. This makes it possible to realize a stroke length of up to 280 mm, an axial force of up to 130 kN and a travel speed of up to 480 mm/s. The drive can be operated with a multi-turn encoder, but other encoder versions are optionally available. The motors are also available with integrated water cooling for maximum power density.




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Ejector motor for injection molding machines



Your benefits at a glance:

- Four-point bearing on the DE-side to compensate for axial forces
- Water cooling with stainless steel cooling circuit for axial forces for an extremely compact design
- High nominal and maximal power results in minimal cycle times

Type		DSC1-135S0		DSC1-135L0	
P_N	[kW]	12	17	23	34
n_N	[min ⁻¹]	1000	1500	1000	1500
n_{max}	[min ⁻¹]	1800	1800	1600	1800
M_{0max}	[Nm]	270	270	535	530
Stroke length	[mm]	210	210	280	280
Axial force	[kN]	70	700	130	130
Travel speed*	[mm/s]	up to 480	up to 420	up to 420	up to 480

* at 16 mm spindle pitch

Subject to change

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