

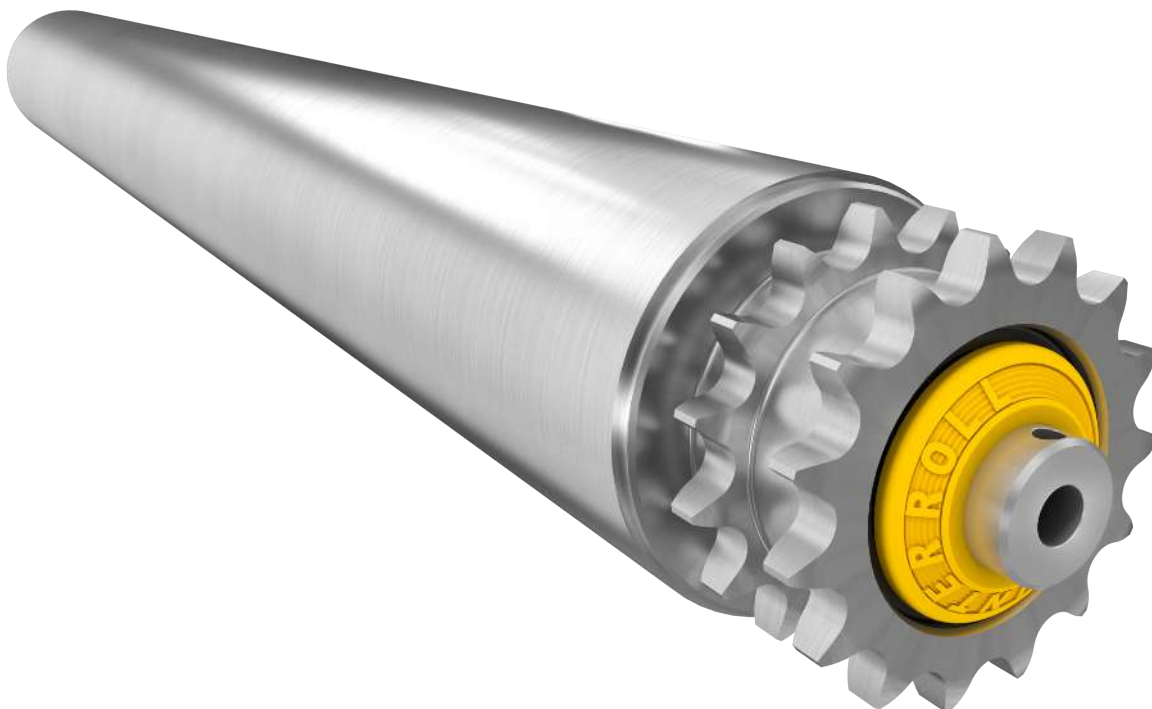
DRUM MOTOR DP SERIES PALLET DRIVE 0080 / 0089



With the new space saving Interroll Pallet Drive, design and installation of the driven pallet conveyors is very easy. It is the perfect single-zone drive solution for efficient space utilization.

The high-performance asynchronous drum motor with robust multi-stage planetary gear is integrated into the Interroll Roller based on Series 3950 and is applicable for loads of up to 1,250 kg per zone.

Construction of pallet conveyors requires minimal engineering: There is no need for complex motor stations; the pallet rollers are driven roller-to-roller. This compact and maintenance-free solution can be mounted directly on the floor.



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Technical data

	DP 0080	DP 0089
Motor diameter	80 mm	89 mm
Max. speed	up to 0.2 m/s	up to 0.22 m/s
Drive head	Gear 5/8" z15 and z18	Gear 5/8" z15 and z18 Toothed belt 8 mm z25
EL min./max.	500 – 1,500 mm	500 – 1,500 mm
Power	70 W S3 50%	70 W S3 50%
Torque	22 Nm	22 Nm
Load	up to 1,250 kg	up to 1,250 kg
Throughput	120 pallets/hour	120 pallets/hour
Ambient temperature	-5 °C to +40 °C	-5 °C to +40 °C
Motor protection rate	IP54	IP54
Thermal controller	Bi-metal switch	Bi-metal switch

Electrical data for 3-phase asynchronous motor

P_N [W]	n_p	n_N [min ⁻¹]	f_N [Hz]	U_N [V]	I_N [A]	$\cos\varphi$	η	J_R [kgcm ²]	I_S/I_N	M_S/M_N	M_B/M_N	M_P/M_N	M_N [Nm]	R_M [Ω]
70	2	2889	50	400	0.33	0.56	0.54	1.25	4.2	4	4.5	4	0.23	72.7
70	2	2889	50	230	0.57	0.56	0.54	1.25	4.2	4	4.5	4	0.23	72.7

P_N	= Rated power	J_R	= Rotor moment of inertia
n_p	= Number of poles	I_S/I_N	= Ratio of startup current – rated current
n_N	= Rated speed of rotor	M_S/M_N	= Ratio of startup torque – rated torque
f_N	= Rated frequency	M_B/M_N	= Ratio of pull-out torque – rated torque
U_N	= Rated voltage	M_P/M_N	= Ratio of pull-up torque – rated torque
I_N	= Rated current	M_N	= Rated torque of rotor
$\cos\varphi$	= Power factor	R_M	= Branch resistance
η	= Efficiency		

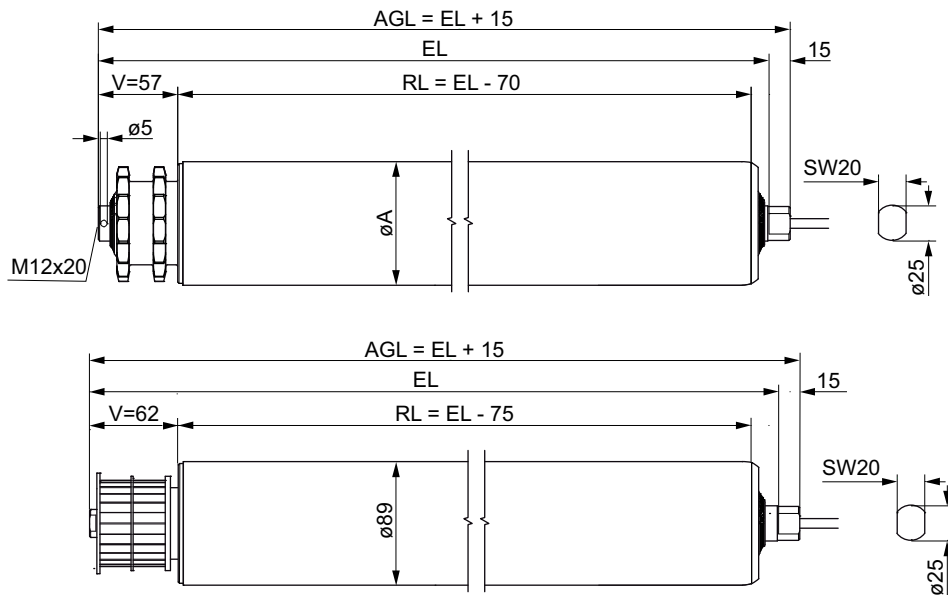
Design variants and accessories

Options	Electromagnetic holding brake
Certificate	cULus safety certificates

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Dimensions

Pallet Drive



Type	A [mm]	EL [mm]	AGL [mm]
DP 0080	80.0	RL+V+13	RL+V+28
DP 0089	89.0	RL+V+13	RL+V+28