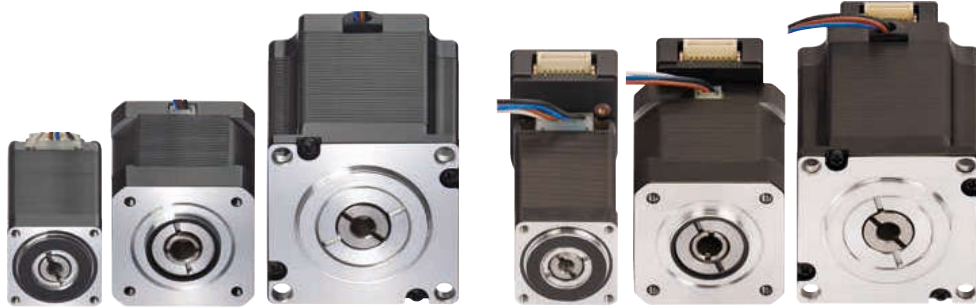


Stand-alone solution for customer requirements – with or without encoder



- 3 stepper motor sizes with stranded wire and holding torque 0.1 - 2 Nm
 - 7 lead screw types with pitches from 0.8 - 50 mm
 - Maximum precision by centring the lead screw with a H7/h7 motor/lead screw fit
 - Matching lead screw nuts in the drylin® product range
 - When using a stepper motor without an encoder the lead screw can be attached on either side
 - Space saving, versatile
- Available for delivery ready for connection with drylin® linear axes SAWC, SLN and SLT

Technical data – stepper motor with stranded wire

Part No.	Motor size	Distance over hubs	Holding torque	Shaft load	Encoder
		[mm]	[Nm]	axial [N]	
MOT-ST-28-L-A-A	NEMA11	28	0.1	50	no
MOT-ST-42-L-A-A	NEMA17	42	0.5	100	no
MOT-ST-56-L-A-A	NEMA23	56	2.0	500	no
MOT-ST-28-L-C-A	NEMA11	28	0.1	50	yes
MOT-ST-42-L-C-A	NEMA17	42	0.5	100	yes
MOT-ST-56-L-C-A	NEMA23	56	2.0	500	yes



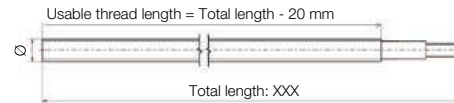
Detailed technical data online

► www.igus.eu/drylinE

Lead screw with precision machined ends



- Material: stainless steel
- Lead screw needs to be secured with an adhesive
- Ready to fit

Technical– high helix threads with dryspin® technology

Part No.	Motor size	Distance over hubs	Thread type	Lead screw -Ø	Pitch	max.
		[mm]	[mm]	[mm]	axial [N]	Length
DST-LS-MOT-6.35X2.54-R-XXX-ES	NEMA11	28	DST	6.35	2.54	300
DST-LS-MOT-6.35X25.4-R-XXX-ES	NEMA11	28	DST	6.35	25.4	300
DST-LS-MOT-10X12-R-XXX-ES	NEMA17/23	42 / 56	DST	10	12	500
DST-LS-MOT-10X25-R-XXX-ES	NEMA17/23	42 / 56	DST	10	25	500
DST-LS-MOT-10X50-R-XXX-ES	NEMA17/23	42 / 56	DST	10	50	500
DST-LS-MOT-14X25-R-1000-ES	NEMA17/23	42 / 56	DST	14	25	500

Technical data – high helix threads without dryspin® technology

Part No.	Motor size	Distance over hubs	Thread type	Lead screw -Ø	Pitch	max.
		[mm]	[mm]	[mm]	axial [N]	Length
PTGSG-MOT-M5X0,8-R-XXX-ES	NEMA11	28	M5	5	0.8	250
PTGSG-MOT-08X1,5-R-XXX-ES	NEMA17/23	42 / 56	TR	8	1.5	300
PTGSG-MOT-10X2-R-XXX-ES	NEMA17/23	42 / 56	TR	10	2	500
PTGSG-MOT-12X3-R-XXX-ES	NEMA17/23	42 / 56	TR	12	3	500
PTGSG-MOT-12X6P3-R-XXX-ES	NEMA17/23	42 / 56	TR	12	6P3	500
PTGSG-MOT-05X5-R-XXX-ES	NEMA11	28	SG	5	5	250
PTGSG-MOT-06.35X12.7-R-XXX-ES	NEMA11	28	SG	6.35	12.7	300
PTGSG-MOT-08X15-R-XXX-ES	NEMA17/23	42 / 56	SG	8	15	300
PTGSG-MOT-10X12-R-XXX-ES	NEMA17/23	42 / 56	SG	10	12	500
PTGSG-MOT-10X50-R-XXX-ES	NEMA17/23	42 / 56	SG	10	50	500
PTGSG-MOT-12X25-R-XXX-ES	NEMA17/23	42 / 56	SG	12	25	500

XXX: Lead screw length



If desired by the factory, please order using the following assembly number:
 Assembly front: MONT004F000 (flange side)
 Assembly back: MONT004B000 (assembly not possible with a motor with an encoder)



Lead screw needs to be secured with an adhesive (Loctite 648)!

Curing time: after 6 hours approx. 50%
 after 24 hours 100%