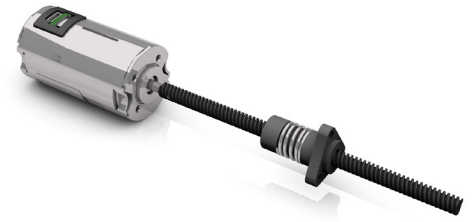




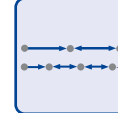




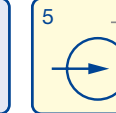
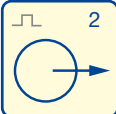
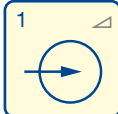

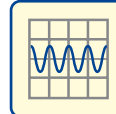







- » Linear spindle motor
- » With brush and brushless DC motors
- » With or w/o anti-backlash nut
- » Maintenance free
- » Coated stainless steel spindle
- » Slide screw
- » High efficiency

- » Linearer Spindelmotor
- » Mit bürstenbehafteten und bürstenlosen DC-Motoren
- » Mit oder ohne spielarmem Mutternsystem
- » Wartungsfrei
- » Beschichtete Edelstahlspindel
- » Gleitspindel
- » Hoher Wirkungsgrad



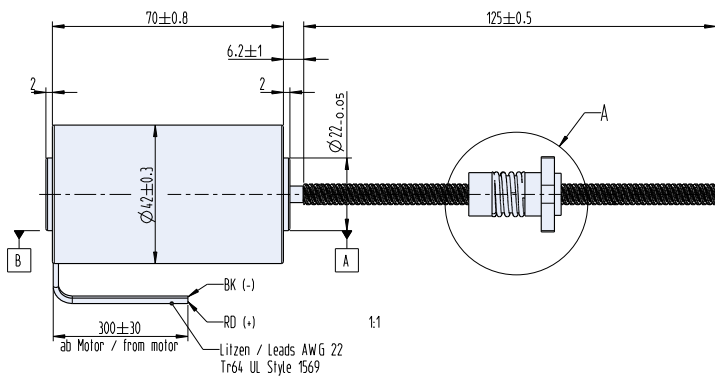
									
IO Mode	CANopen version available	Service interface	Force mode	Precise positioning	Maintenance free	High efficiency	High dynamic	Food grade	Digital inputs
									
Digital outputs	Analog inputs	Feedback integrated	Oscilloscope software available	Condition monitoring	Programmable	Supply voltage versions	Certification	Certification	

Data/ Technische Daten		LSM 06	
Motor type/ Motortyp		GR 42x25	BG 32x20
Nominal voltage/ Nennspannung	VDC	24	24
Nominal current/ Nennstrom	A	0.9	1.13
Nominal force/ Nennkraft	N	34	39
Nominal speed/ Nenngeschwindigkeit	mm/s	300	300
Permissible peak current/ Zulässiger Spitzenstrom	A	4.0 / 1.3 <sup>*)</sup>	5.0 / 1.3 <sup>*)</sup>
Peak force/ Spitzenkraft	N	181 / 45 <sup>*)</sup>	200 / 45 <sup>*)</sup>
Max. stroke/ Max. Hub	mm	93/90 <sup>*)</sup>	

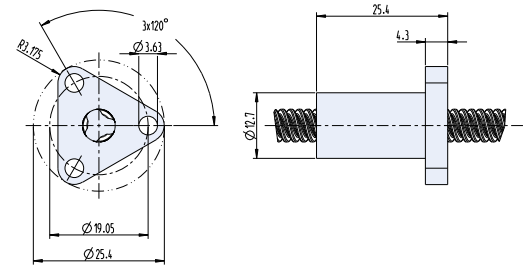
\*) Anti-backlash nut/ Spielarmes Mutternsystem

Dimensions/ Maßzeichnung

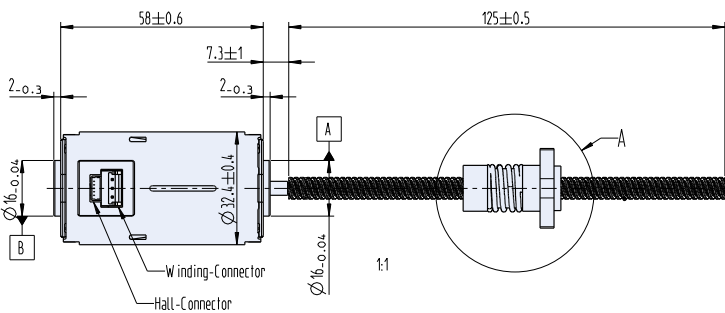
LSM 06 | GR 42x25



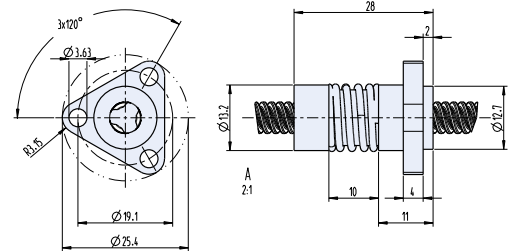
Standard nut/ Standard Mutter



LSM 06 | BG 32x20



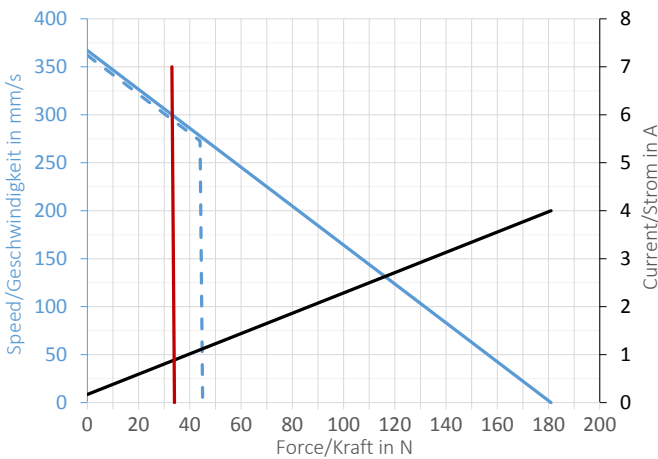
Anti-backlash nut/ Spielarme Mutter



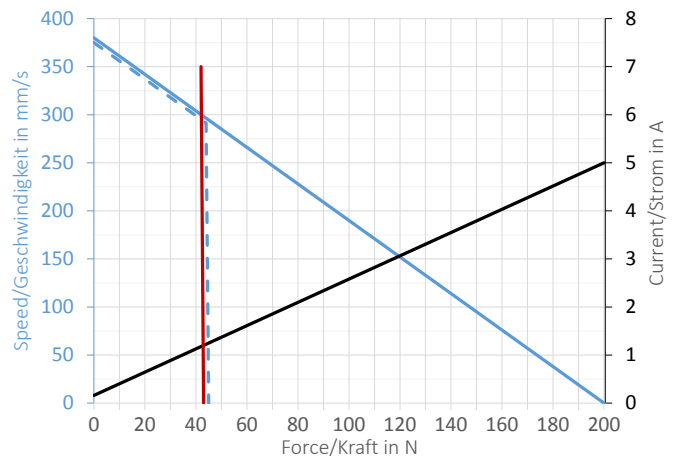
		GR 42x25	BG 32x20
Spindle pitch/ Spindelsteigung	mm	5	5
Spindle efficiency/ Spindelwirkungsgrad	%	72	72

Characteristic diagram/ Belastungskennlinien @25°C

LSM 06 | GR 42x25

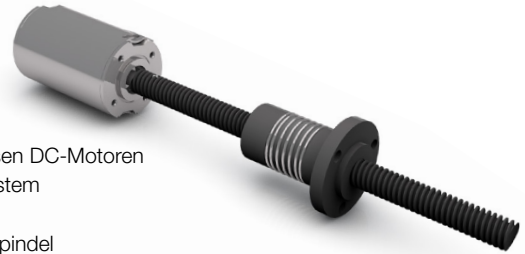


LSM 06 | BG 32x20



- Anti-backlash nut/ Spielarme Mutter
- Standard nut/ Mutter
- Current/ Strom
- Cont. force/ Nennkraft

## >> LSM 13 | cont. 324 N, peak 680 N



- » Linear spindle motor
- » With brush and brushless DC motors
- » With or w/o anti backlash nut
- » Maintenance free
- » Coated stainless steel spindle | Slide screw
- » High efficiency

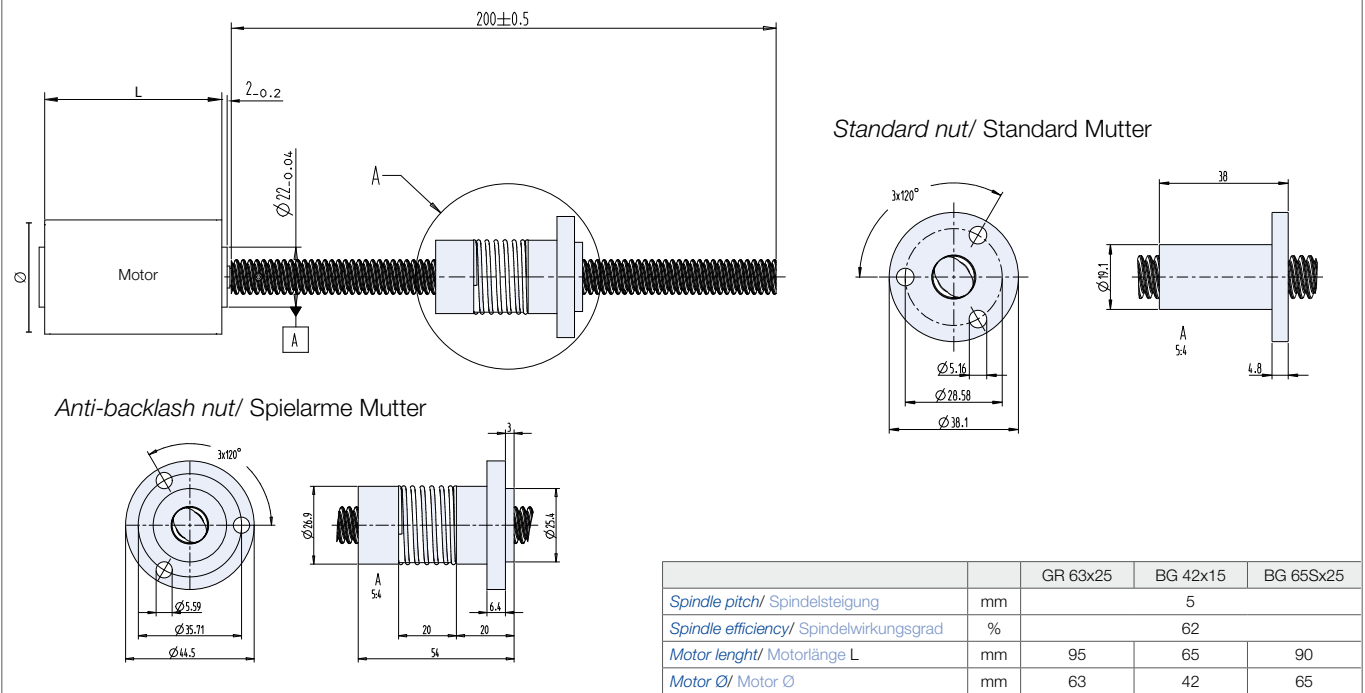
- » Linearer Spindelmotor
- » Mit bürstenbehafteten und bürstenlosen DC-Motoren
- » Mit oder ohne spielarmes Mutternsystem
- » Wartungsfrei
- » Beschichtete Edelstahlspindel | Gleitspindel
- » Hoher Wirkungsgrad

IO mode	CANopen version available	Service interface	Force mode	Precise positioning	Maintenance free	High efficiency	High dynamic	Food grade	Digital inputs
Digital outputs	Analog inputs	Feedback integrated	Oscilloscope software available	Condition monitoring	Programmable	Supply voltage versions	Certification	Certification	

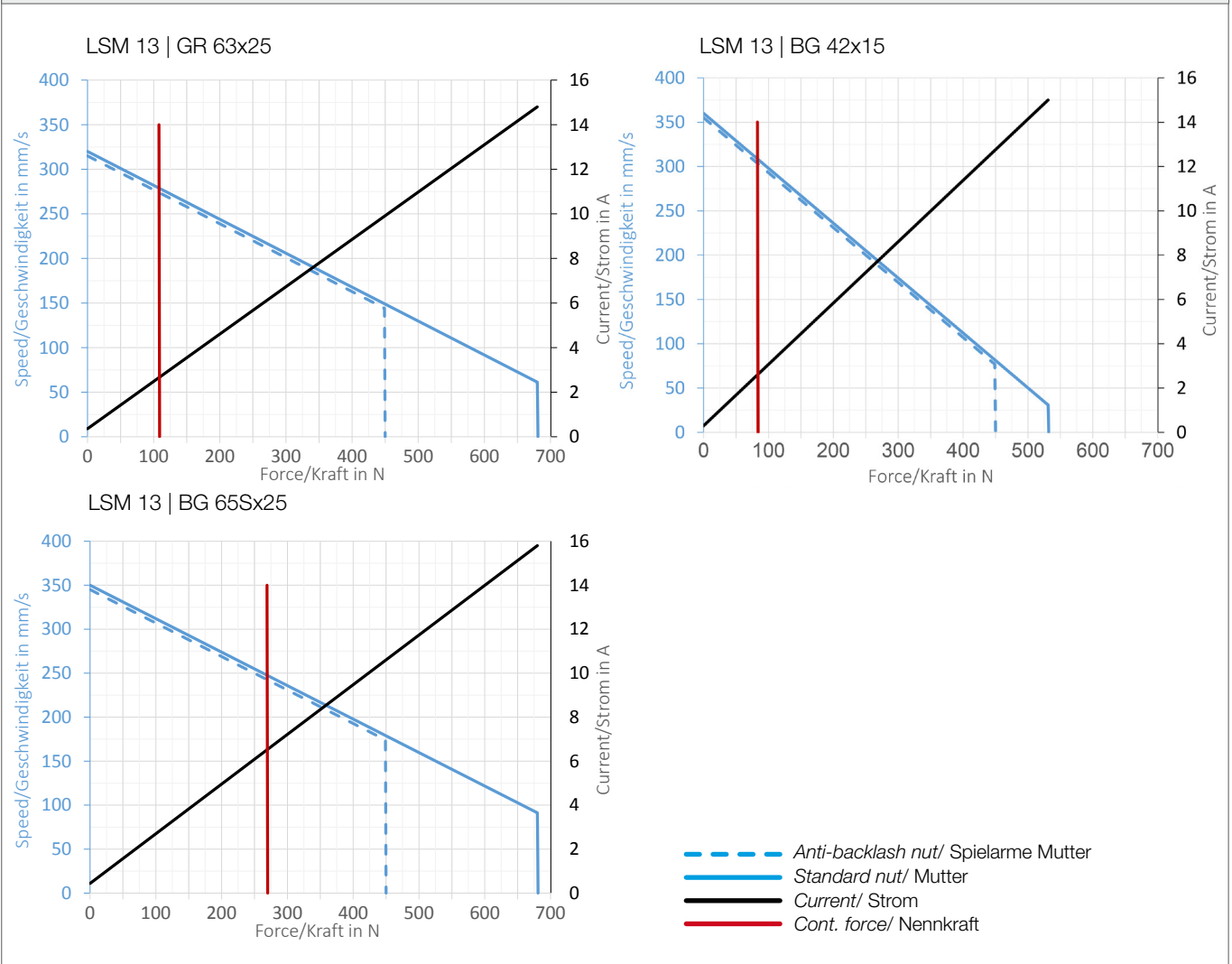
Data/ Technische Daten		LSM 13		
Motor type/ Motortyp		GR 63x25	BG 42x15	BG 65Sx25
Nominal voltage/ Nennspannung	VDC	24	24	24
Nominal current/ Nennstrom	A	2.7	2.24	6.02
Nominal force/ Nennkraft	N	102	84	324
Nominal speed/ Nenngeschwindigkeit	mm/s	275	300	250
Permissible peak current/ Zulässiger Spitzenstrom	A	14.8 / 9.8 <sup>*)</sup>	15.0 / 12.7 <sup>*)</sup>	16.3 / 10.5 <sup>*)</sup>
Peak force/ Spitzenkraft	N	680 / 450 <sup>*)</sup>	530 / 450 <sup>*)</sup>	680 / 450 <sup>*)</sup>
Max. stroke/ Max. Hub	mm	150 / 134 <sup>*)</sup>		

<sup>\*)</sup> Anti backlash nut/ Spielarmes Mutternsystem

Dimensions/ Maßzeichnung



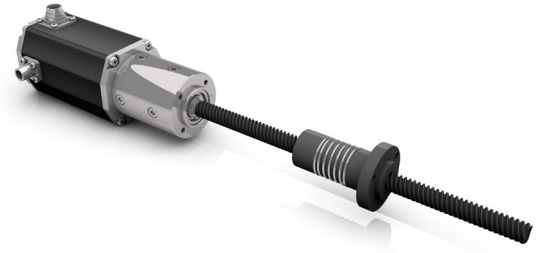
Characteristic diagram/ Belastungskennlinien @25°C



Linear products

- » Linear spindle gearbox motor
- » With brush and brushless DC motors
- » With or w/o anti backlash nut
- » Maintenance free
- » Coated stainless steel spindle
- » Slide screw
- » High efficiency
- » Easy configuration of max. 14 positions (PI motor)
- » Several BUS interfaces available

- » Linearer Spindelgetriebemotor
- » Mit bürstenbehafteten und bürstenlosen DC-Motoren
- » Mit oder ohne spielarmem Mutternsystem
- » Wartungsfrei
- » Beschichtete Edelstahlspindel
- » Gleispindel
- » Hoher Wirkungsgrad
- » Einfache Konfiguration von bis zu 14 Positionen (PI Motor)
- » Verschiedene BUS-Schnittstellen verfügbar

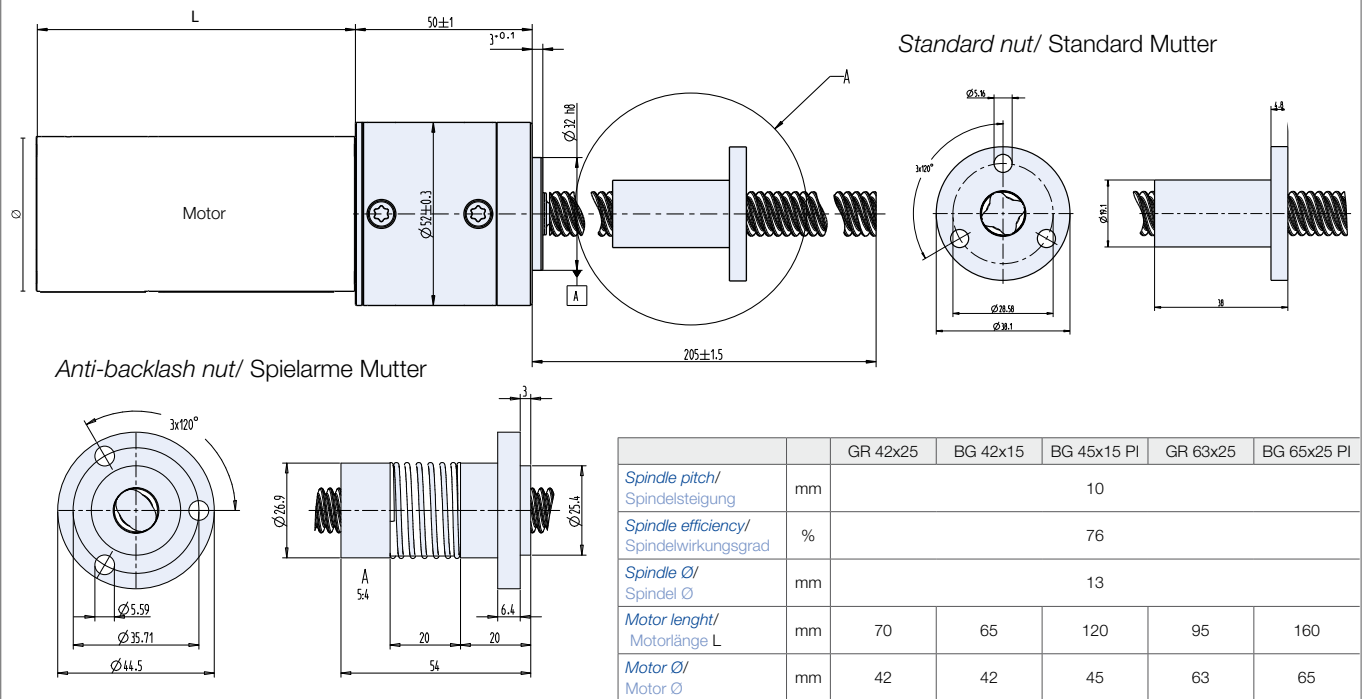


IO mode	CANopen version available	Service interface	Force mode	Precise positioning	Maintenance free	Digital inputs	Digital outputs	Analog inputs	Feedback integrated
Oscilloscope software available	Condition monitoring	Programmable	Supply voltage versions	Certification	Certification				

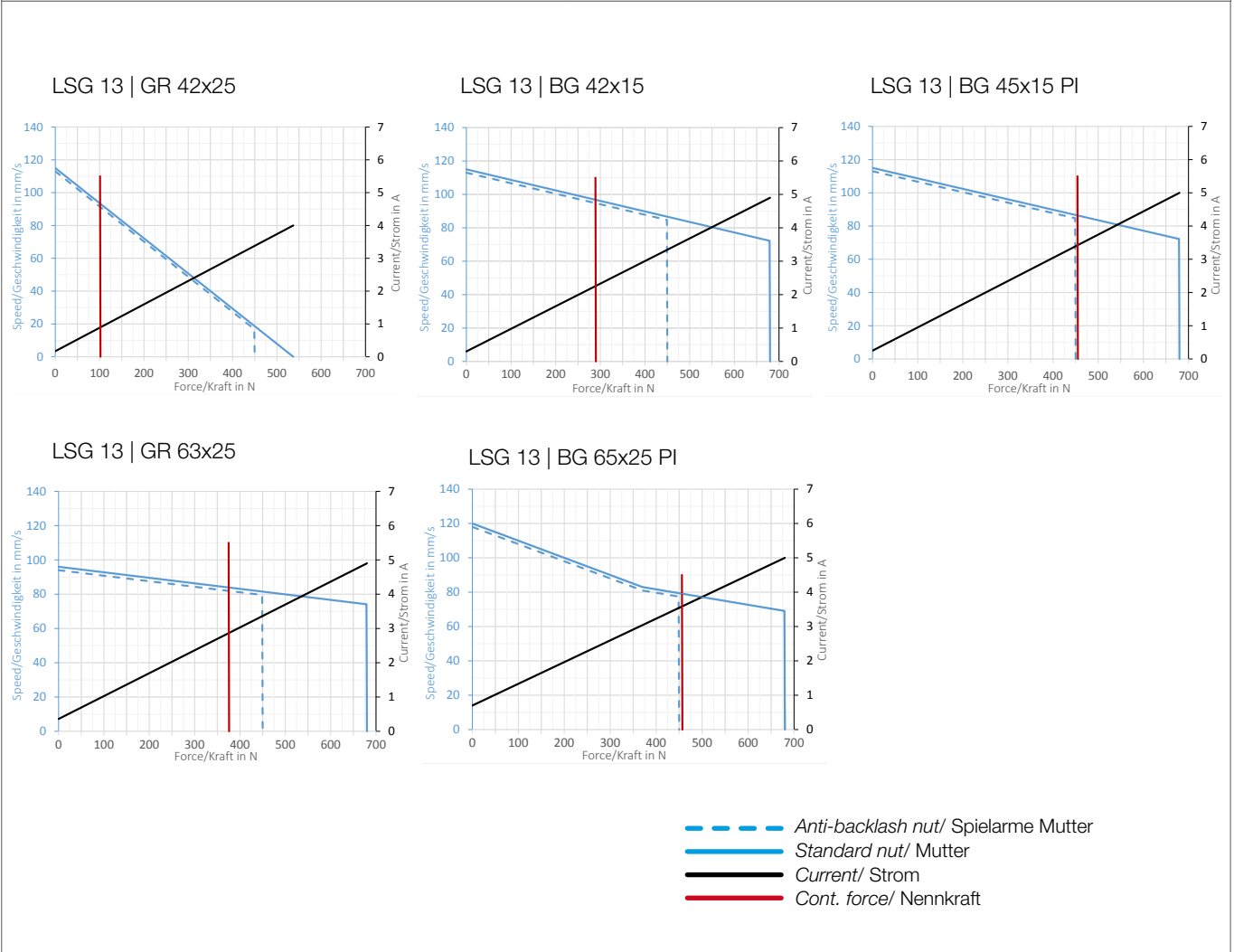
Data/ Technische Daten		LSG 13   PLG 52				
Motor type/ Motortyp		GR 42x25	BG 42x15	BG 45x15 PI	GR 63x25	BG 65x25 PI
Nominal voltage/ Nennspannung	VDC	24				
Nominal current/ Nennstrom	A	0.9	2.2	3.1	2.7	3.6
Gearbox reduction/ Getriebeuntersetzung	i	6.25				
Transmission efficiency/ Getriebewirkungsgrad	%	90				
Nominal force/ Nennkraft	N	109	290	451	376	457
Nominal speed/ Nenngeschwindigkeit	mm/s	91	97	87	85	79
Permissible peak current/ Zulässiger Spitzenstrom	A	4.0 / 3.3 <sup>*)</sup>	4.9 / 3.3 <sup>*)</sup>	5.0 / 3.1 <sup>*)</sup>	4.9 / 3.3 <sup>*)</sup>	5.0 / 3.5 <sup>*)</sup>
Peak force/ Spitzenkraft	N	537 / 450 <sup>*)</sup>	680 / 450 <sup>*)</sup>			
Max. stroke/ Max. Hub	mm	150 / 134 <sup>*)</sup>				

\*) Anti backlash nut/ Spielarmes Mutternsystem

Dimensions/ Maßzeichnung



Characteristic diagram/ Belastungskennlinien @25°C

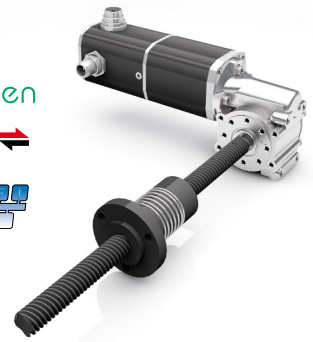
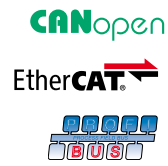


Linear products

# >> LSG 13 | SG 62/ 80K | cont. 650 N, peak 680 N

- » Linear spindle gearbox motor
- » With brush and brushless DC motors
- » With or w/o anti backlash nut
- » Maintenance free
- » Coated stainless steel spindle
- » Slide screw
- » High efficiency
- » Easy configuration of max. 14 positions (PI motor)
- » Several BUS interfaces available

- » Linearer Spindelgetriebemotor
- » Mit bürstenbehafteten und bürstenlosen DC-Motoren
- » Mit oder ohne spielarmem Mutternsystem
- » Wartungsfrei
- » Beschichtete Edelstahlspindel
- » Gleispindel
- » Hoher Wirkungsgrad
- » Einfache Konfiguration von bis zu 14 Positionen (PI Motor)
- » Verschiedene BUS-Schnittstellen verfügbar

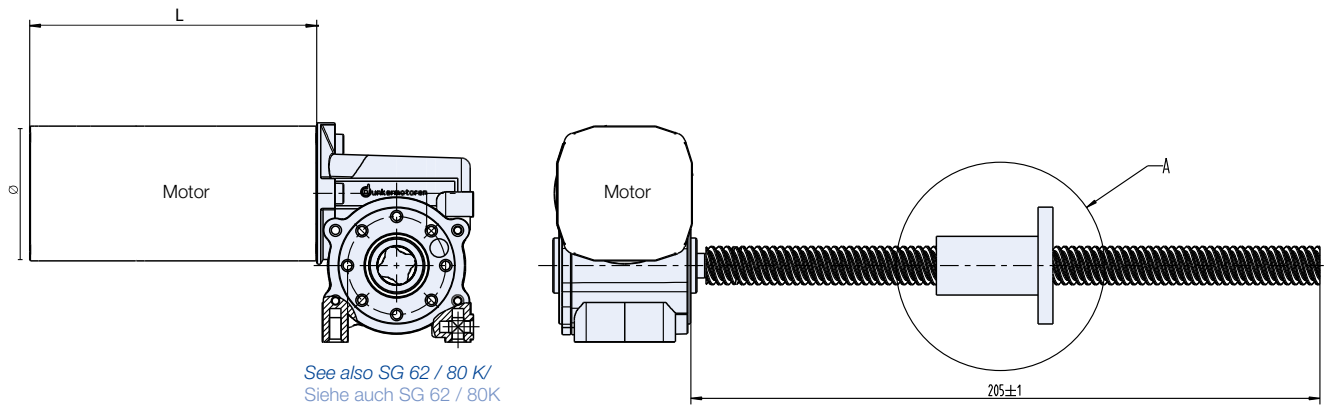


IO mode	CANopen version available	Service interface	Force mode	Precise positioning	Maintenance free	Low noise	Self-locking ratios available	Digital inputs	Digital outputs
Analog inputs	Feedback integrated	Oscilloscope software available	Condition monitoring	Programmable	Supply voltage versions	Certification	Certification		

Data/ Technische Daten		LSG 13   SG 62			LSG 13   SG 80K	
Motor type/ Motortyp		GR 42x40	BG 42x15	BG 45x15 PI	GR 63x25	BG 65x25 PI
Nominal voltage/ Nennspannung	VDC	24				
Nominal current/ Nennstrom	A	1.2	2.2	3.1	2.7 / 2.4 <sup>*)</sup>	4.0 / 3.0 <sup>*)</sup>
Gearbox reduction/ Getriebeuntersetzung	i	8			10	
Transmission efficiency/ Getriebewirkungsgrad	%	60			80	
Nominal force/ Nennkraft	N	131	248	385	535 / 450 <sup>*)</sup>	650 / 450 <sup>*)</sup>
Nominal speed/ Nenngeschwindigkeit	mm/s	65	75	68	53	50
Permissible peak current/ Zulässiger Spitzenstrom	A	5.2 / 3.5 <sup>*)</sup>	5.4 / 3.7 <sup>*)</sup>	5.4 / 3.7 <sup>*)</sup>	3.4 / 2.4 <sup>*)</sup>	4.2 / 3.0 <sup>*)</sup>
Peak force/ Spitzenkraft	N	680 / 450 <sup>*)</sup>				
Max. stroke/ Max. Hub	mm	150 / 134 <sup>*)</sup>				

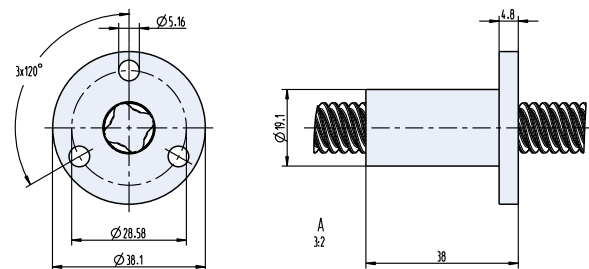
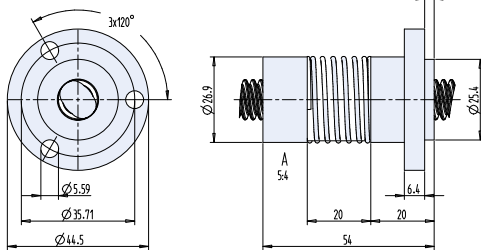
<sup>\*)</sup> Anti backlash nut/ Spielarmes Mutternsystem

Dimensions/ Maßzeichnung



See also SG 62 / 80 K/  
Siehe auch SG 62 / 80K

Anti-backlash nut/ Spielarme Mutter

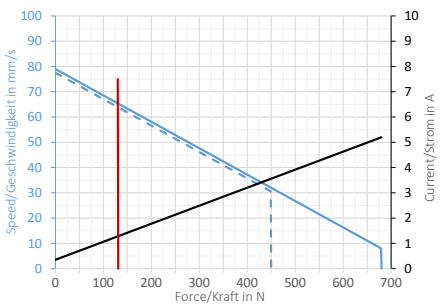


Standard nut/ Standard Mutter

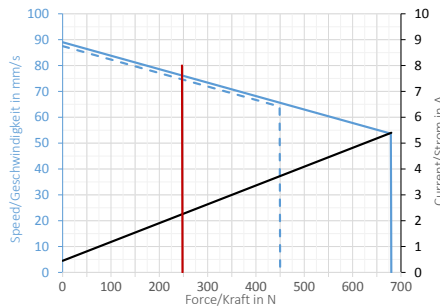
		GR 42x40	BG 42x15	BG 45x15 PI	GR 63x25	BG 65x25 PI
Spindle pitch/ Spindelsteigung	mm	10	10	10	10	10
Spindle efficiency/ Spindelwirkungsgrad	%	76				
Motor length/ Motorlänge L	mm	85	65	120	95	160
Motor Ø/ Motor Ø	mm	42	42	45	63	65

Characteristic diagram/ Belastungskennlinien @25°C

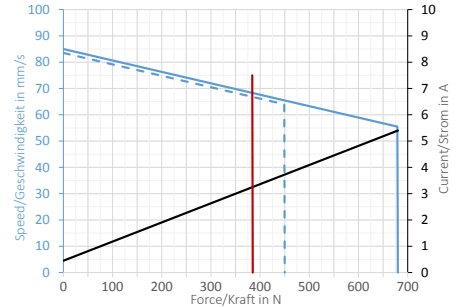
LSG 13 | GR 42x40



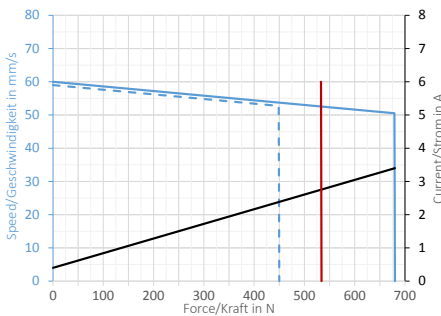
LSG 13 | BG 42x15



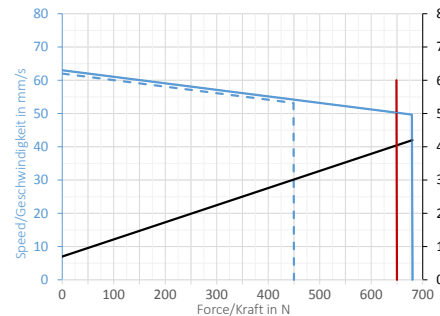
LSG 13 | BG 45x15 PI



LSG 13 | GR 63x25



LSG 13 | BG 65x25 PI



- Anti-backlash nut/ Spielarme Mutter
- Standard nut/ Mutter
- Current/ Strom
- Cont. force/ Nennkraft



- » Linear axis with strokes up to 1000 mm
- » With brushless DC servomotor BG 45x15
- » Slide with wear compensation
- » Maintenance free
- » Universal mounting position
- » Compact and space saving
- » Easy configuration of max. 14 positions (PI motor)
- » Several BUS interfaces available

- » Linearachse mit Hube von bis zu 1000 mm
- » Mit bürstenlosem DC-Servomotor BG 45x15
- » Gleitführung mit Verschleißkompensation
- » Wartungsfrei
- » Universelle Anbaulage
- » Kompakt und platzsparend
- » Einfache Konfiguration von bis zu 14 Positionen (PI Motor)
- » Verschiedene BUS-Schnittstellen verfügbar

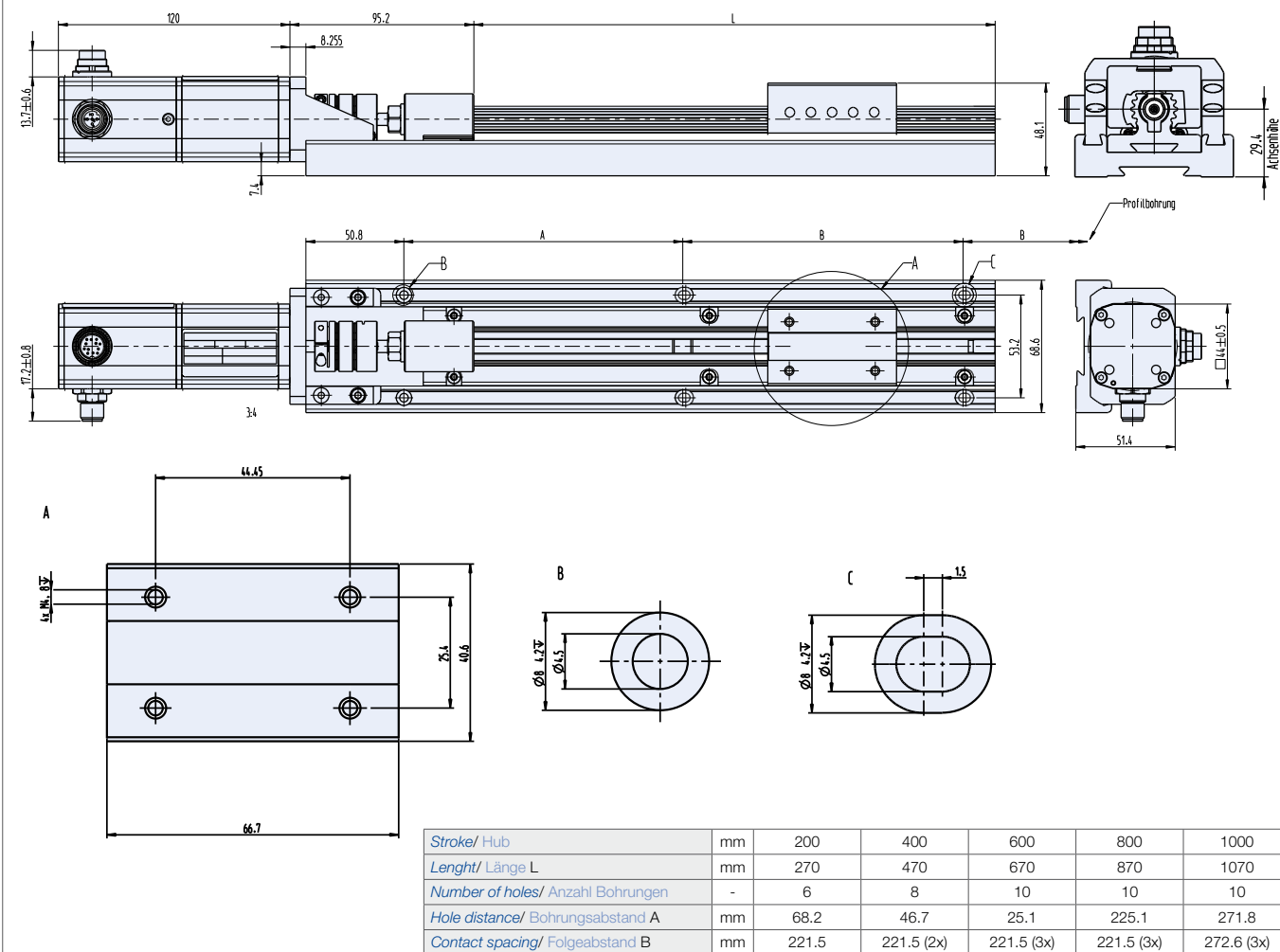


IO mode	CANopen version available	Service interface	Force mode	Precise positioning	Maintenance free	High efficiency	High dynamic	Food grade	Digital inputs
Digital outputs	Analog inputs	Feedback integrated	Oscilloscope software available	Condition monitoring	Programmable	Supply voltage versions	Certification	Certification	

Data/ Technische Daten		LPA 08
Motor type/ Motortyp		BG 45x15 PI
Nominal voltage/ Nennspannung	VDC	24
Nominal current/ Nennstrom	A	3.1
Spindle pitch/ Spindelsteigung	mm	5
Nominal load*/ Nennlast*	kg	5
Nominal speed/ Nenngeschwindigkeit	mm/s	270
Permissible peak current/ Zulässiger Spitzenstrom (2 sec.)	A	15
Peak load/ Spitzenlast	kg	22
Repeatability/ Wiederholgenauigkeit	mm	+/- 0.02
Stroke length/ Hublängen	mm	200 / 400 / 600 / 800 / 1000

\*) Horizontal/ Horizontal

Dimensions/ Maßzeichnung



Characteristic diagram/ Belastungskennlinien @25°C

