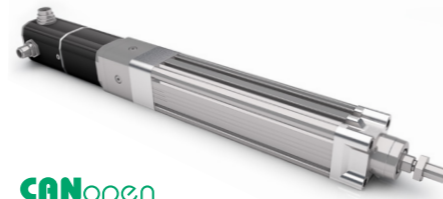


- » Electric cylinder with strokes up to 400 mm
- » With brushless DC servomotors
- » Lead and ball screw version
- » Twist protected thrust rod
- » In-line and parallel motor version
- » Alternative for pneumatic cylinder
- » Compact and space saving
- » Easy configuration of max. 14 positions (PI motor)
- » Several BUS interfaces available
- » PLG 42 on request

- » Elektrischer Hubzylinder mit Hube von bis zu 400 mm
- » Mit bürstenlosem DC-Servomotoren
- » Gleitspindel und Kugelrollspindel Versionen
- » Verdreh gesicherte Schubstange
- » In-Line und parallele Motorausführung
- » Alternative zu Pneumatik Zylinder
- » Kompakt und platzsparend
- » Einfache Konfiguration von bis zu 14 Positionen (PI Motor)
- » Verschiedene BUS-Schnittstellen verfügbar
- » Auf Anfrage mit PLG 42



IO mode

CANopen version available

Service interface

Force mode

Precise positioning

Maintenance free

High efficiency

Low noise

Self-locking ratios available

High force

High dynamic

Digital inputs

Digital outputs

Analog inputs

Feedback integrated

Oscilloscope software available

Condition monitoring

Programmable

Protection class (up to)

Supply voltage versions

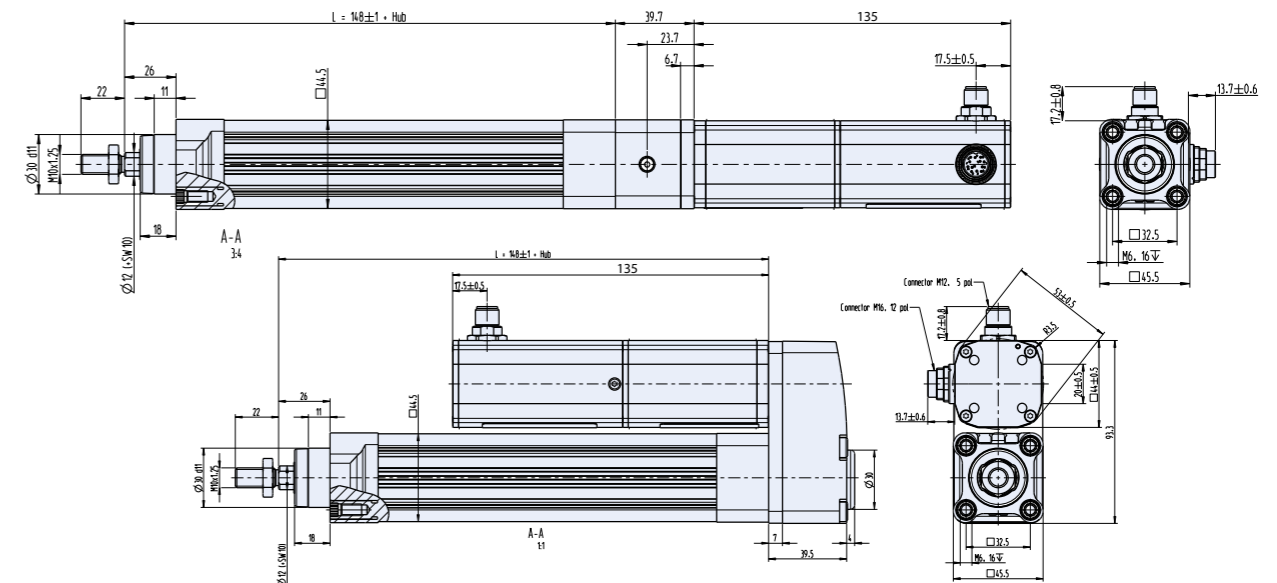
Certification

Certification

Data/ Technische Daten		CASM-32		
Motor type/ Motortyp		BG 45x30		
Nominal voltage/ Nennspannung	VDC	24		
Nominal current/ Nennstrom	A	4.9		
Peak current (2 sec.)/ Spitzenstrom (2 sec.)	A	15		
Spindle version/ Spindelversion	-	LS	BS	BN
Spindle pitch/ Spindelsteigung	mm	1.5	3	10
Constant force/ Dauerkraft	N	300	327	131
Peak force/ Spitzenkraft	N	300	700	462
Max. traverse speed/ Max. Verfahrensgeschwindigkeit	mm/s	60	150	500
Max. acceleration/ Max. Beschleunigung	m/s ²	1		
Repeatability/ Wiederholgenauigkeit	mm	+/- 0.07	+/- 0.01	
Lifetime L ₁₀ / Lebensdauer L ₁₀	km	70	Siehe Diagramm	
Stroke length/ Hublängen	mm	50 / 100 / 150 / 200 / 300 / 400		

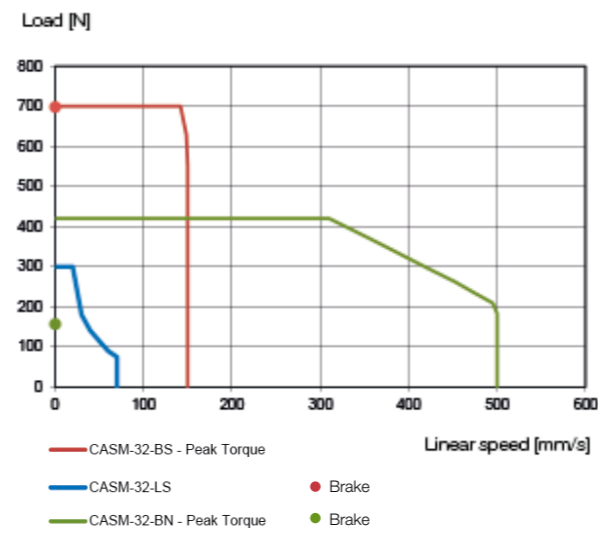
LS: Lead screw/ Gleitspindel *Not applicable for motions on mechanical stop./ Nicht geeignet für Bewegungen auf mechanischem Anschlag.*
 BS / BN: Ball screw/ Kugelrollspindel Preference/ Vorzugsreihe On request/ auf Anfrage

Dimensions/ Maßzeichnung



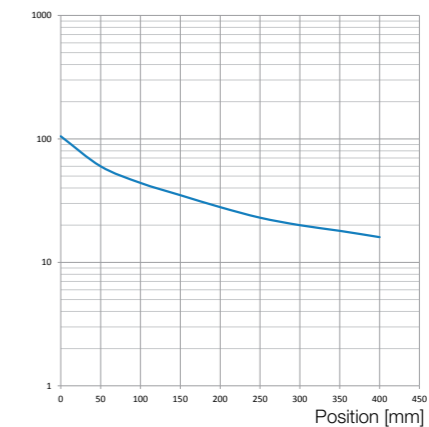
Characteristic diagram/ Belastungskennlinien @25°C

Load/ linear speed diagram

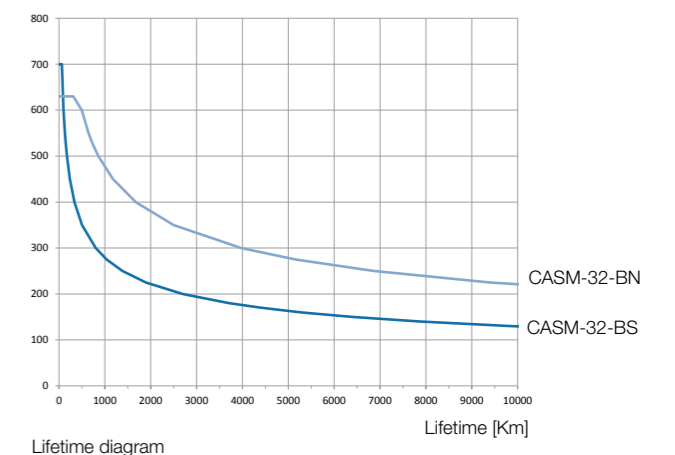


Load = force acting on the actuator (gravity force + acceleration force + constant force)

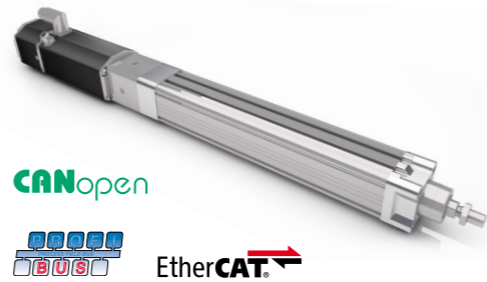
Shear load [N]



Shear load diagram
The shear load acts at right angles to the movement direction.
Nominal load [N]



- » Electric cylinder with strokes up to 600 mm
 - » With brushless DC servomotors
 - » Lead and ball screw version
 - » Twist protected thrust rod
 - » In-line and parallel motor version
 - » Alternative for pneumatic cylinder
 - » Compact and space saving
 - » Easy configuration of max. 14 positions (PI motor)
 - » Several BUS interfaces available
 - » PLG 52 on request
- » Elektrischer Hubzylinder mit Hube von bis zu 600 mm
 - » Mit bürstenlosem DC-Servomotoren
 - » Gleitspindel und Kugelrollspindel Versionen
 - » Verdreh gesicherte Schubstange
 - » In-Line und parallele Motorausführung
 - » Alternative zu Pneumatik Zylinder
 - » Kompakt und platzsparend
 - » Einfache Konfiguration von bis zu 14 Positionen (PI Motor)
 - » Verschiedene BUS-Schnittstellen verfügbar
 - » Auf Anfrage mit PLG 52



IO mode

CANopen version available

Service interface

Force mode

Precise positioning

Maintenance free

High efficiency

Low noise

Self-locking ratios available

High force

High dynamic

Digital inputs

Digital outputs

Analog inputs

Feedback integrated

Oscilloscope software available

Condition monitoring

Programmable

Protection class (up to)

Supply voltage versions

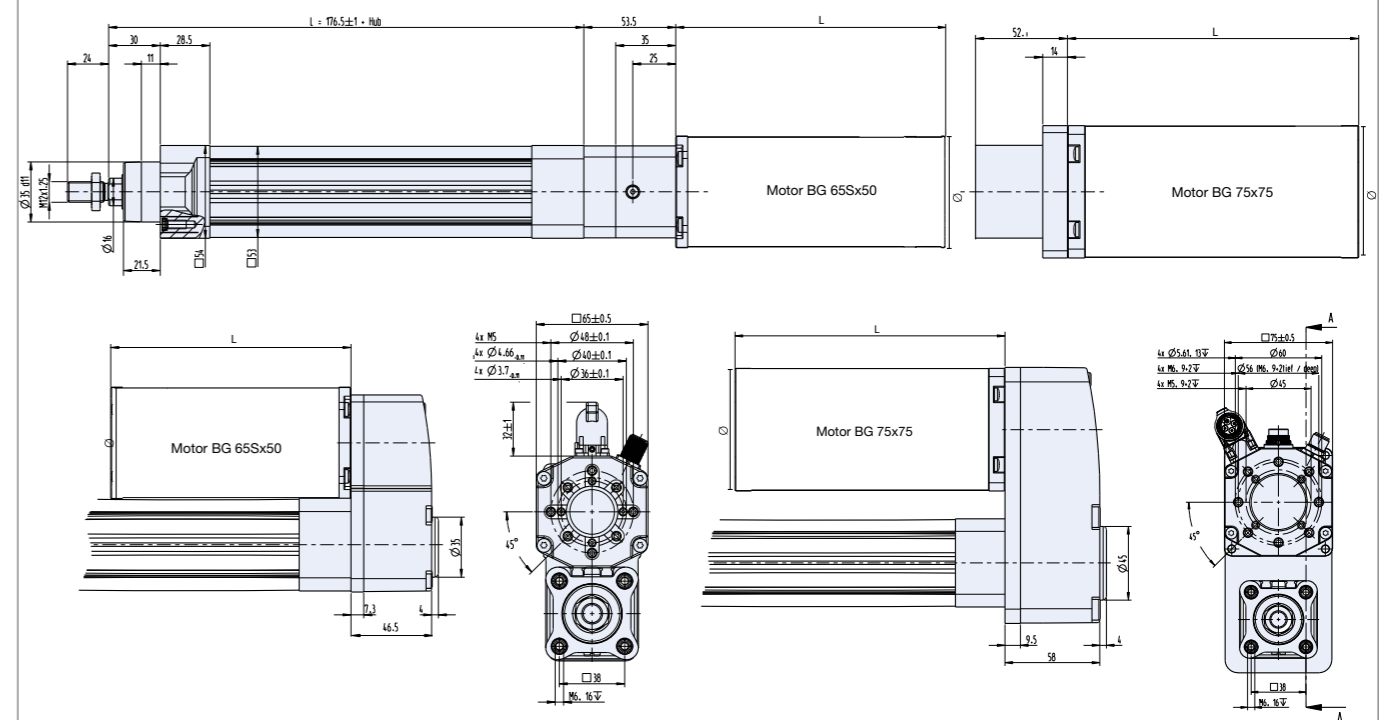
Certification

Certification

Data/ Technische Daten	CASM-40							
Motor type/ Motortyp		BG 65Sx50			BG 75x75			
Nominal voltage/ Nennspannung	VDC	40-48			40-48			
Nominal current/ Nennstrom	A	7			12.7			
Peak current (2 sec.)/ Spitzenstrom (2 sec.)	A	20			50			
Spindle version/ Spindelversion	-	LS	BS	BN	LS	BS	BN	
Spindle pitch/ Spindelsteigung	mm	2.5	5	12.7	2.5	5	12.7	
Constant force/ Dauerkraft	N	465	440	198	600	1020	459	
Peak force/ Spitzenkraft	N	600	1170	526	600	2375	1484	
Max. traverse speed/ Max. Verfahrgeschwindigkeit	mm/s	70	300	825	70	300	825	
Max. acceleration/ Max. Beschleunigung	m/s ²	1	6		1	6		
Repeatability/ Wiederholgenauigkeit	mm	+/- 0.07	+/- 0.01		+/- 0.07	+/- 0.01		
Lifetime L ₁₀ / Lebensdauer L ₁₀	km	100	Siehe Diagramm		100	Siehe Diagramm		
Stroke length/ Hublängen	mm	100 / 200 / 300 / 400 / 500 / 600						

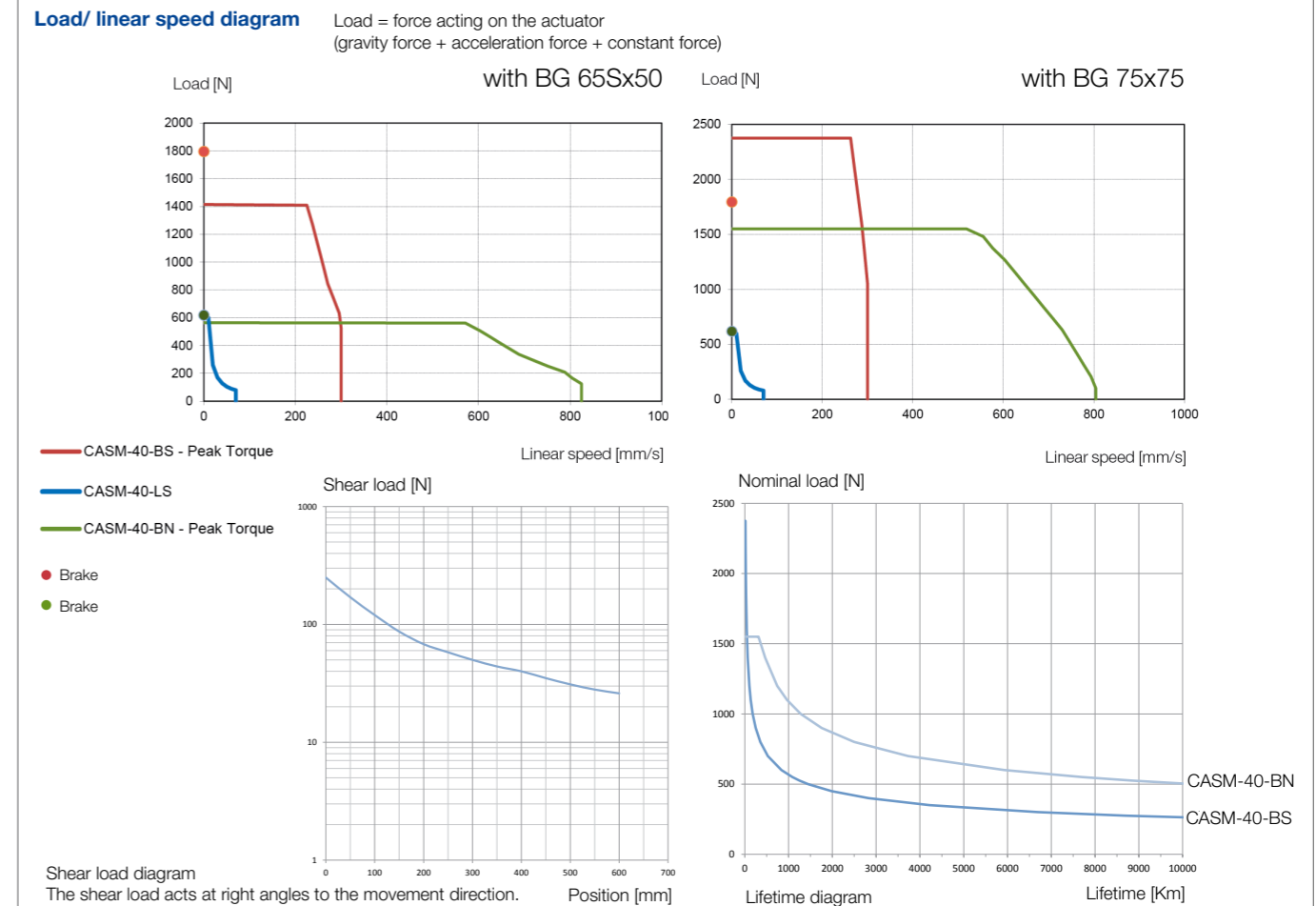
LS: Lead screw/ Gleitspindel *Not applicable for motions on mechanical stop./ Nicht geeignet für Bewegungen auf mechanischem Anschlag.*
 BS / BN: Ball screw/ Kugelrollspindel Preference/ Vorzugsreihe On request/ auf Anfrage

Dimensions/ Maßzeichnung



	BG 65Sx50	BG 75x75
Motor length/ Motorlänge L	mm 140	mm 165
Motor Ø/ Motor Ø	mm 65	mm 75

Characteristic diagram/ Belastungskennlinien @25°C



- » Electric cylinder with strokes up to 800 mm
 - » With brushless DC servomotors
 - » Lead and ball screw version
 - » Twist protected thrust rod
 - » In-line and parallel motor version
 - » Alternative for pneumatic cylinder
 - » Compact and space saving
 - » Easy configuration of max. 14 positions (PI motor)
 - » Several BUS interfaces available
 - » PLG 63 on request
- » Elektrischer Hubzylinder mit Hube von bis zu 800 mm
 - » Mit bürstenlosem DC-Servomotoren
 - » Gleitspindel und Kugelrollspindel Versionen
 - » Verdreh gesicherte Schubstange
 - » In-Line und parallele Motorausführung
 - » Alternative zu Pneumatik Zylinder
 - » Kompakt und platzsparend
 - » Einfache Konfiguration von bis zu 14 Positionen (PI Motor)
 - » Verschiedene BUS-Schnittstellen verfügbar
 - » Auf Anfrage mit PLG 63



IO mode

CANopen version available

Service interface

Force mode

Precise positioning

Maintenance free

High efficiency

Low noise

Self-locking ratios available

High force

High dynamic

Digital inputs

Digital outputs

Analog inputs

Feedback integrated

Oscilloscope software available

Condition monitoring

Programmable

Protection class (up to)

Supply voltage versions

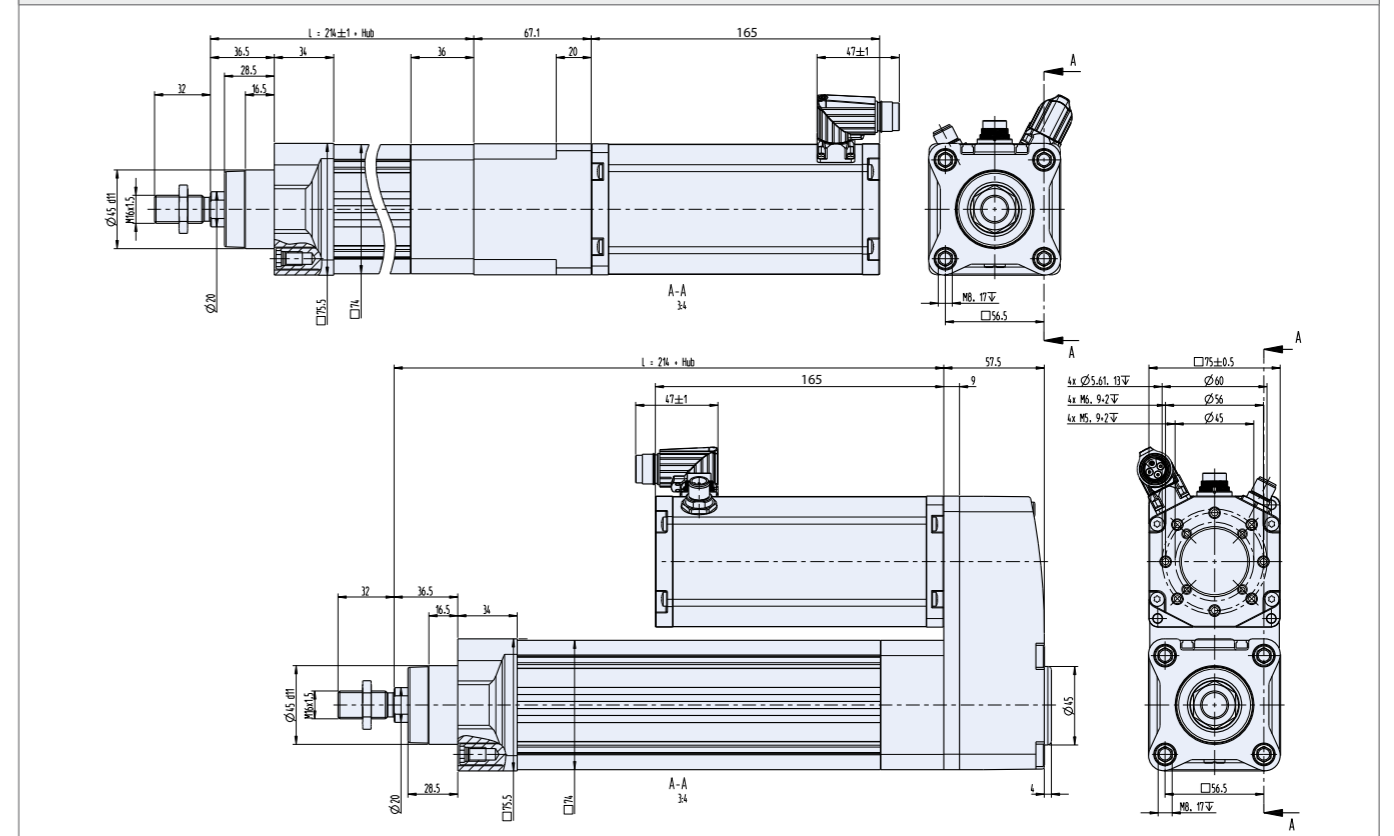
Certification

Certification

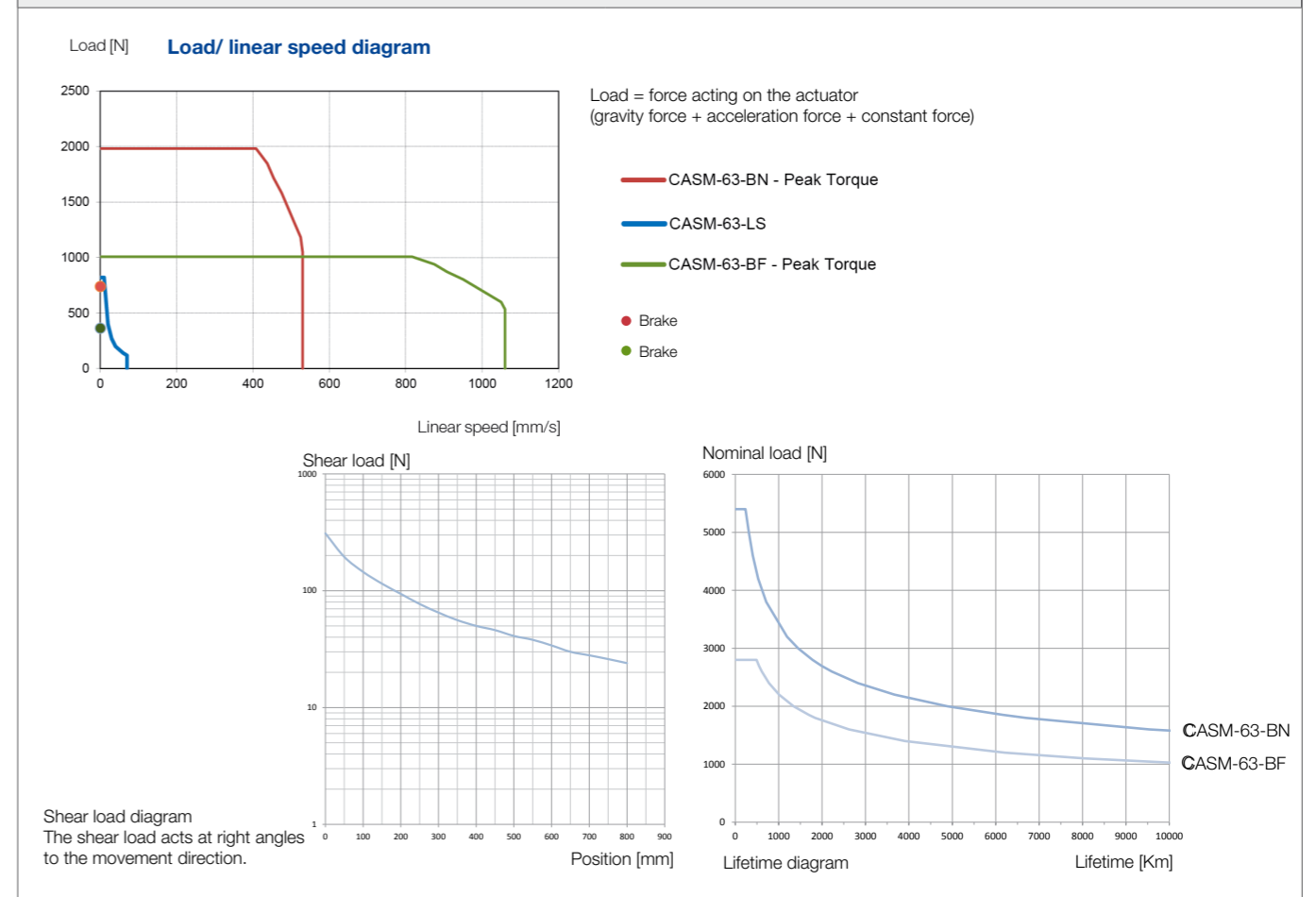
Data/ Technische Daten		CASM-63		
Motor type/ Motortyp		BG 75x75		
Nominal voltage/ Nennspannung	VDC	40-48		
Nominal current/ Nennstrom	A	12.7		
Peak current (2 sec.)/ Spitzenstrom (2 sec.)	A	50		
Spindle version/ Spindelversion	-	LS	BN	BF
Spindle pitch/ Spindelsteigung	mm	4	10	20
Constant force/ Dauerkraft	N	692	583	292
Peak force/ Spitzenkraft	N	1000	1885	942
Max. traverse speed/ Max. Verfahrensgeschwindigkeit	mm/s	70	530	1060
Max. acceleration/ Max. Beschleunigung	m/s ²	1	6	
Repeatability/ Wiederholgenauigkeit	mm	+/- 0.07	+/- 0.01	
Lifetime L ₁₀ / Lebensdauer L ₁₀	km	100	Siehe Diagramm	
Stroke length/ Hublängen	mm	100 / 200 / 300 / 400 / 500 / 800		

LS: Lead screw/ Gleitspindel *Not applicable for motions on mechanical stop./ Nicht geeignet für Bewegungen auf mechanischem Anschlag.*
 BF / BN: Ball screw/ Kugelrollspindel Preference/ Vorzugsreihe On request/ auf Anfrage

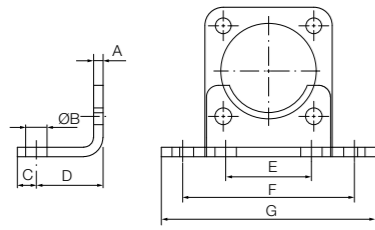
Dimensions/ Maßzeichnung



Characteristic diagram/ Belastungskennlinien @25°C



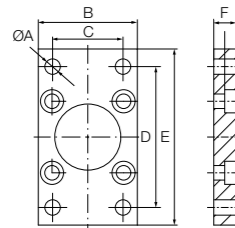
Foot mounting kit (for parallel version)/ Fussmontagesatz (für Parallel Version)



*Screws included

	SNR	A	B	C	D	E	F	G
CASM-32	28700.33321	4	7	11	24	32	58	71
CASM-40	28700.33401	4	9	8	28	36	72	90
CASM-63	28700.33631	5	9	13	32	50	92	110

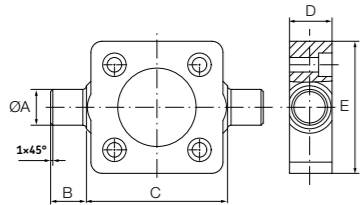
Flange mounting kit/ Flanschbefestigung



*Screws included

	SNR	A	B	C	D	E	F
CASM-32	28700.33322	7	45	32	64	80	10
CASM-40	28700.33402	9	52	36	72	90	10
CASM-63	28700.33632	9	75	50	100	120	12

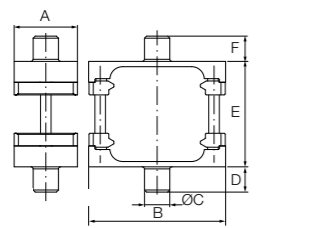
Trunnion flange kit/ Schwenkzapfenflansch



*Screws included

	SNR	A	B	C	D	E
CASM-32	28700.33323	12	12	50	14	46
CASM-40	28700.33403	16	16	63	19	59
CASM-63	28700.33633	20	20	90	24	84

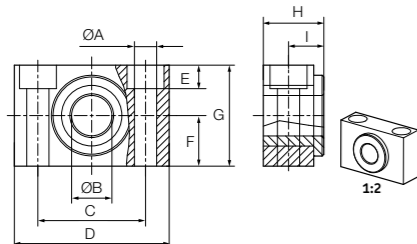
Trunnion mounting kit/ Schwenkzapfen



*Screws included

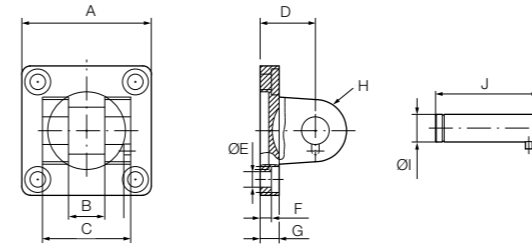
	SNR	A	B	C	D	E	F
CASM-32	28700.33324	30	65	12	12	50	12
CASM-40	28700.33404	32	75	16	16	63	16
CASM-63	28700.33634	41	105	20	20	90	20

Trunnion support kit/ Lagerblöcke (Paar)



	SNR	A	B	C	D	E	F	G	H	I
CASM-32	28700.33325	6.6	12	32	46	6.8	15	30	18	10.5
CASM-40	28700.33405	9	16	36	55	9	18	36	21	12
CASM-63	28700.33635	11	20	42	65	11	20	40	23	13

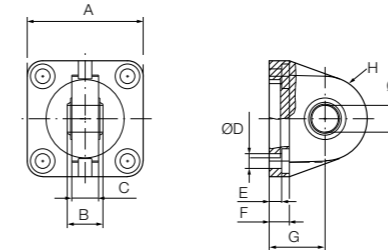
Swivel flange (for parallel version)/ Gabelbefestigung (für Parallel Version)



*Screws included

	SNR	A	B	C	D	E	F	G	H	I	J
CASM-32	28700.33326	45	14	34	22	6.6	5.5	9	10	10	41
CASM-40	28700.33406	52	16	40	25	6.6	5.5	9	12	12	48
CASM-63	28700.33636	75	21	51	32	9	6.5	11	18	16	60

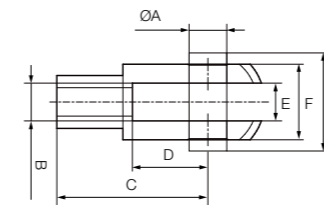
Swivel flange with rod eye (for parallel version)/ Gelenklager (für Parallel Version)



*Screws included

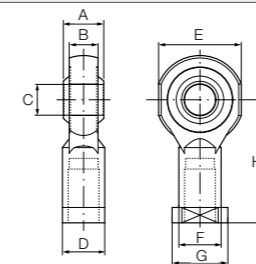
	SNR	A	B	C	D	E	F	G	H	I
CASM-32	28700.33327	45	14	10.5	6.6	5.5	9	22	16	10
CASM-40	28700.33407	52	16	12	6.6	5.5	9	25	19	12
CASM-63	28700.33637	75	21	15	9	6.5	11	32	24	16

Rod clevis/ Gabelkopf



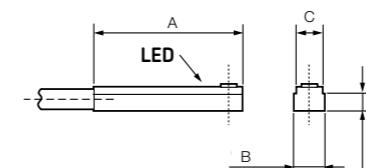
	SNR	A	B	C	D	E	F	G
CASM-32	28700.33328	10	M10x1.25	40	20	10	20	28
CASM-40	28700.33408	12	M12x1.25	48	24	12	24	32
CASM-63	28700.33638	16	M16x1.5	64	32	16	32	41.5

Rod eye/ Gelenkkopf



	SNR	A	B	C	D	E	F	G	H
CASM-32	28700.33329	14	10.5	10	17	29	15	20	43
CASM-40	28700.33409	16	12	12	19	33	17.5	23	50
CASM-63	28700.33639	21	15	16	22	43	22	29	64

Proximity sensor/ Näherungsschalter



Switching function/ Schaltfunktion: Normally open
 Output signal/ Ausgangssignal: PNP
 Rated voltage/ Nennspannung: 24 VDC
 Max. current/ Max. Strom: 30 mA
 Cable length/ Kabellänge: 5 m

	SNR	A	B	C	D
CASM-32	28700.33320	29	6.2	5	3.15
CASM-40	28700.33320	29	6.2	5	3.15
CASM-63	28700.33320	29	6.2	5	3.15