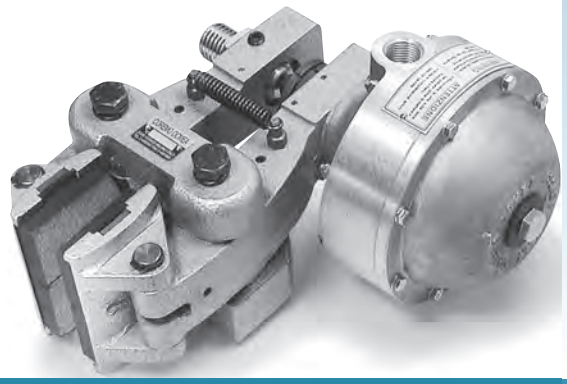
FEDERBETÄTIGT PNEUMATISCH geöffnet



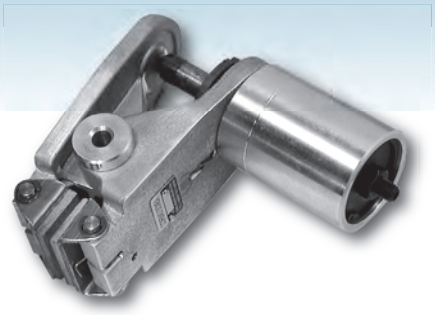
Die Notwendigkeit rotierende Massen sicher zu stoppen führt zum Einsatz von Bremsen, die ihre Wirkung ohne externe Energiezufuhr entwickeln.
Die federbetätigten Coremo-Bremsen sind hier die optimale Lösung, da durch die eingebauten Federn die Bremskräfte jederzeit zur Verfügung stehen.

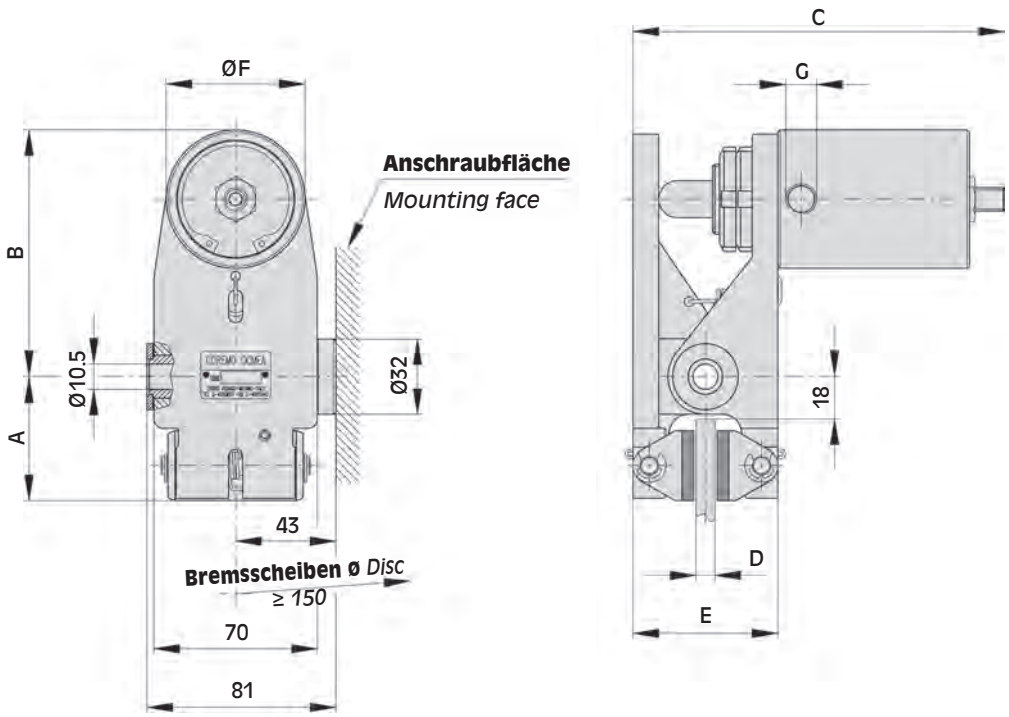
The need to stop any machine rotating part will force you to select a device working without any external power supply. Coremo spring applied caliper brakes are the solution of this problem; braking force is always available due to springs mounted in the brake.

PNEUMATIC Failsafe brakes

SPRING APPLIED PNEUMATICALLY RELEASED

MPA-N



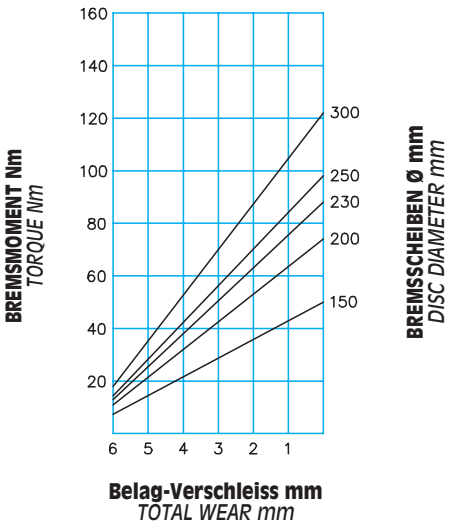


ABMESSUNGEN/*DIMENSIONS*

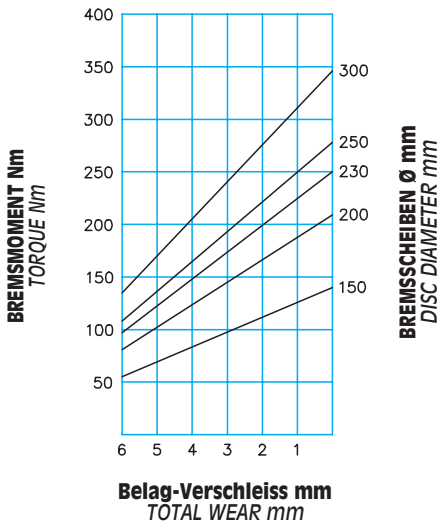
TYP *SIZE*	Teil-Nr *Product Number*	A	B	C		D	E	ØF	G	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
				min	max						
MPA-N	A2928	53	106	159	177	8	62	59.5	1/4"Anschluss	0.025	2
	A2930	52	113	167	176	12.7	68	59.5	1/4"Anschluss	0.025	2
MPA-1N	A2932	53	125	210	228	8	62	98	1/4"Anschluss	0.16	3.8
	A2934	52	136	218	228	12.7	69	98	1/4"Anschluss	0.16	3.8

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

MPA-N



MPA-1N



Techn. Daten

Bremskraft F

MPA-N	970 N
MPA-1N	2750 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.024) = Nm

Max. Belagverschleiss: 6 mm

Bremsbelagsdicke (neu): 5 mm

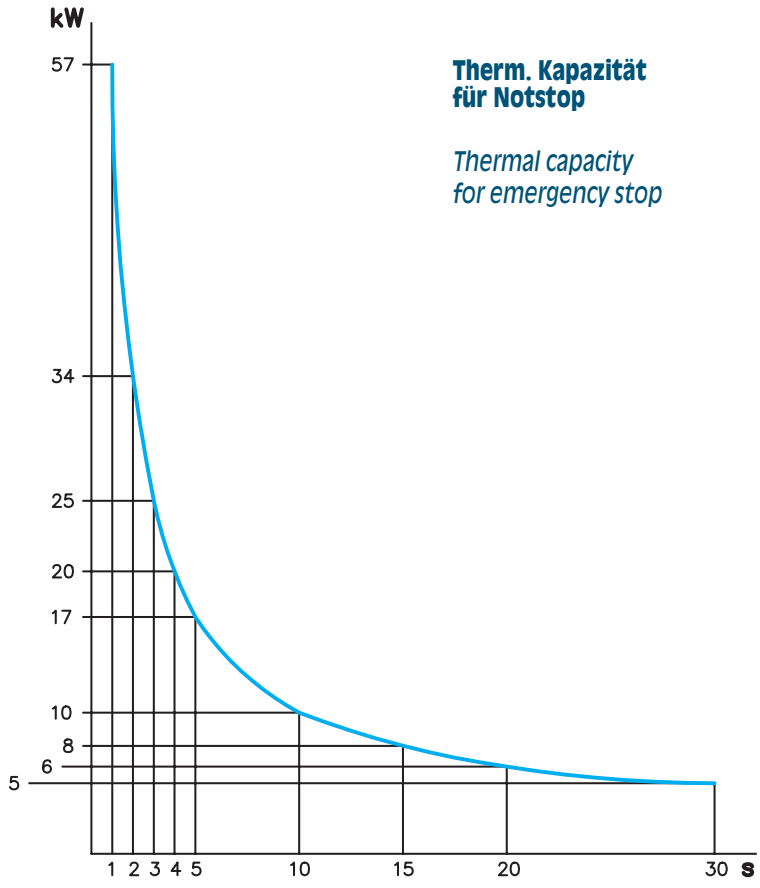
Dauerwärmeleistung: Qc: 1 kW

Min. Öffnungsdruck: 4.5 bar

Die Br.-Momente beziehen sich auf
3 Bet.-Federn (MPA-N) bzw.
4 Bet.-Federn (MPA-1N)

Das Diagramm zeigt die Bremsmomentabweichungen je 1 mm Verschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

DIAGRAMM/*CHART*



Therm. Kapazität für Notstop

Thermal capacity for emergency stop

Technical data

Braking force F:

MPA-N	*970 N*
MPA-1N	*2750 N*

Dynamic torque
= F • (disc radius in m - 0.024) = Nm

Max total wear: 6 mm

Thickness of new lining: 5 mm

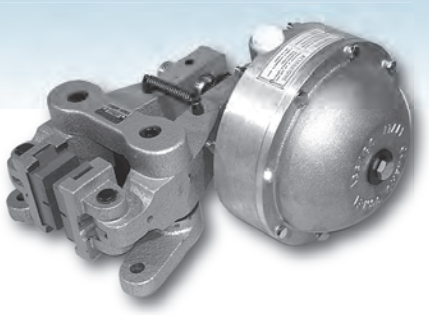
Continuous thermal capacity
Qc: 1 kW

Minimum release pressure: 4.5 bar

The torque values specified are obtained with
n. 3 springs for MPA-N,
n. 4 springs for MPA-1N.

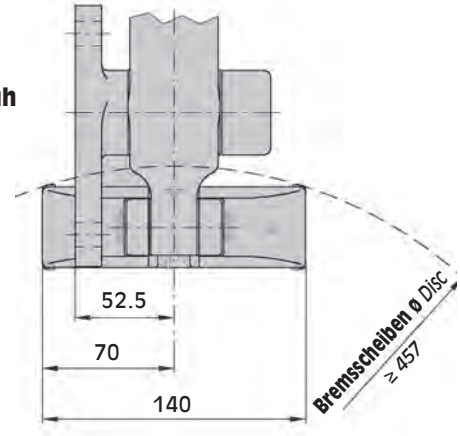
The diagram shows the torque variation for each millimeter of linings wear.
Adjust according to ensure the correct torque value is achieved.

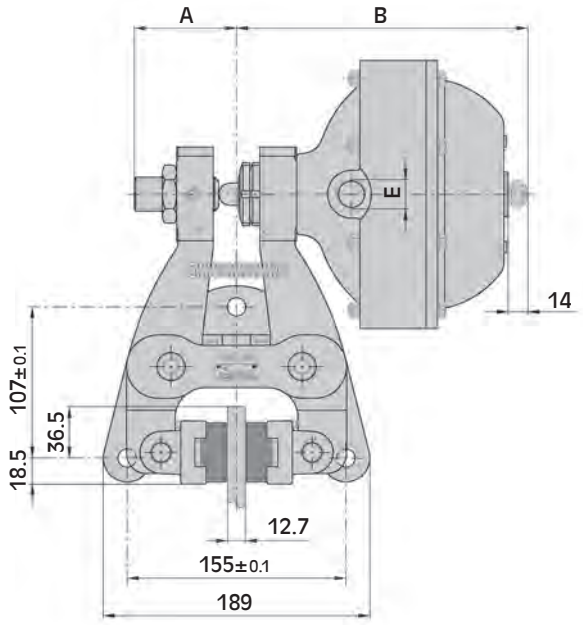
A-N

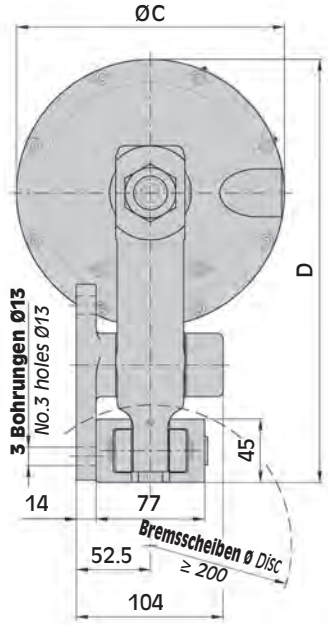


Auch verfügbar für Bremsscheibendicke 25,4 - 30 - 40 mm.
Available also for disc thickness 25,4 - 30 - 40 mm.

Ausführung Doppelschuh
Double pad version







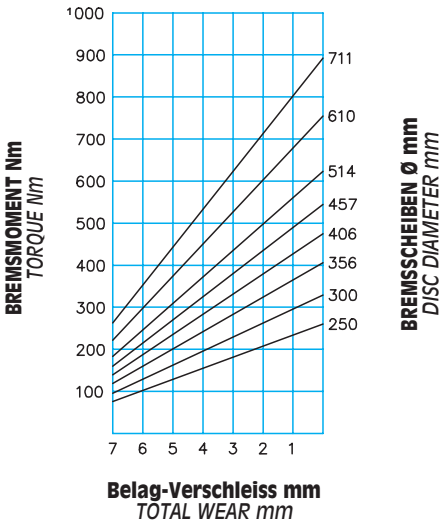
ABMESSUNGEN/*DIMENSIONS*

TYP *SIZE*	Teil-Nr *Product Number*		A	B	ØC	D	E	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
	S.P.	S.U.							
A-1N	A3274	A3276	70.5	188.5	98	254.5	1/4" Anschluss	0.16	12.6
A-2N	A3282	A3284	72.5	178.5	144	277.5	1/2"Anschluss	0.3	13.6
A-3N	A3290	A3292	72.5	206.5	190	300.5	1/2"Anschluss	0.5	16.8

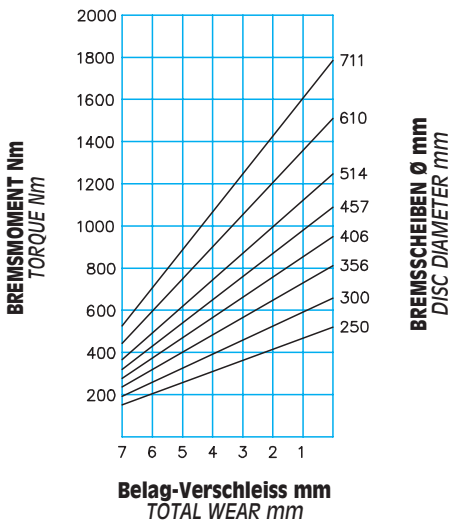
S.P. = Standard / *Standard Production*
S.U. = Ausführung mit Belag-Verschleissindikator / *With Wear Indicator*

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

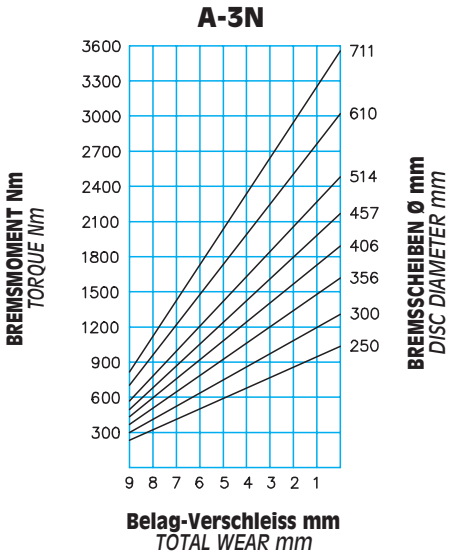
A-1N



A-2N



A-3N



Techn. Daten

Bremskraft F

A-1N	2750 N
A-2N	5500 N
A-3N	10970 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.03) = Nm

Max. Belagverschleiss: 16 mm

Bremsbelagsdicke (neu): 16 mm

Dauerwärmeleistung:
Ausführung mit Doppelschuh Qc: 2.7 kW

Min. Öffnungsdruck: 5 bar

Die Br.-Momente beziehen sich auf
4 Bet.-Federn (1N)
8 Bet.-Federn (2N & 3N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
2 Bet.-Federn (1N)
6-4-2 Bet.-Federn (2N & 3N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

Technical data

Braking force F:

A-1N	*2750 N*
A-2N	*5500 N*
A-3N	*10970 N*

Dynamic torque
= F • (disc radius in m - 0.03) = Nm

Max total wear: 16 mm

Thickness of new lining: 16 mm

Continuous thermal capacity
Qc: 1.7 kW

Continuous thermal capacity
for double pad version
Qc: 2.7 kW

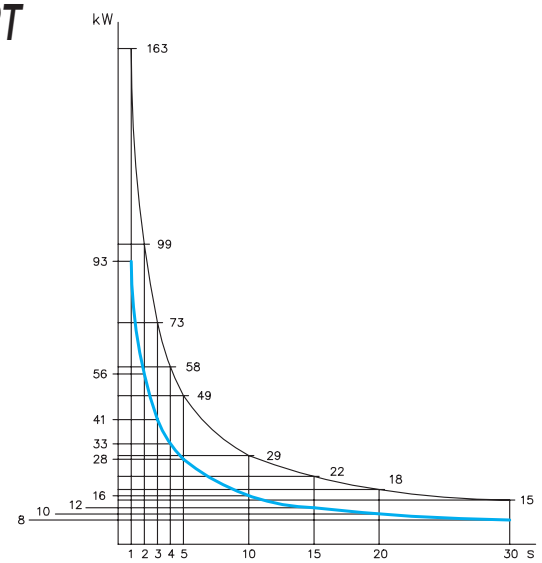
Minimum release pressure: 5 bar

The torque values specified are obtained with n. 4 springs for 1N, n. 8 springs for 2N and 3N. Torque proportionally less are achievable with n. 2 springs for 1N, n. 6-4-2 springs for 2N and 3N. The diagram shows the torque variation for each millimeter of linings wear. Adjust according to ensure the correct torque value is achieved.

DIAGRAMM/*CHART*

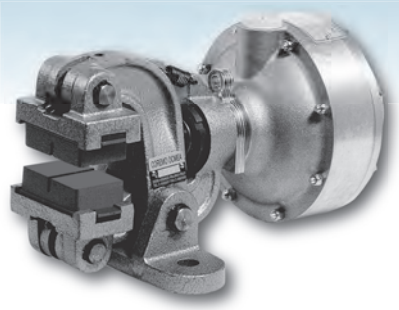
Therm. Kapazität für Notstop

Thermal capacity for emergency stop

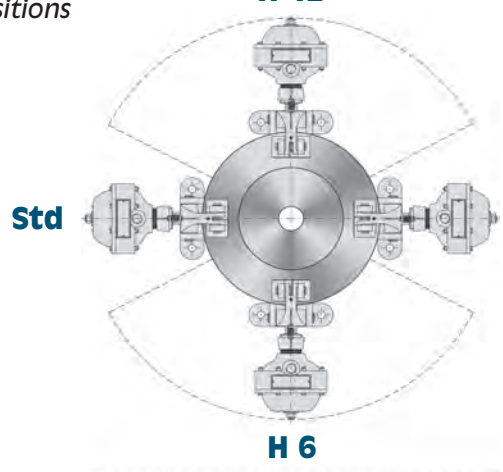


Doppelschuh *Double pad*
Standard *Standard pad*

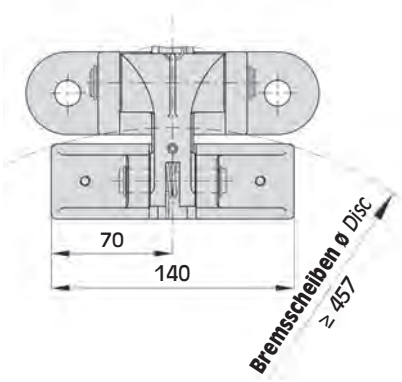
B-N

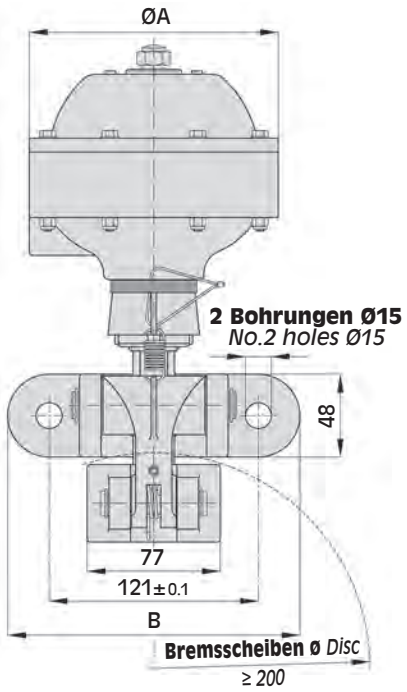


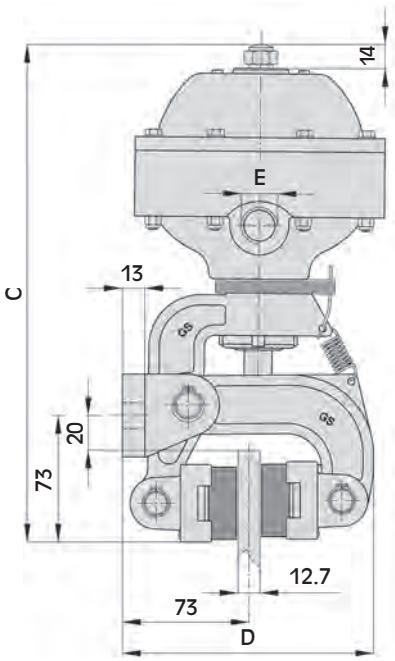
MONTAGESCHEMA
Mounting positions



Ausführung Doppelschuh
Double pad version







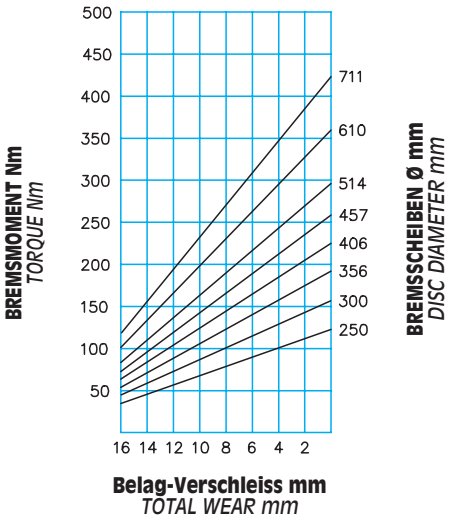
ABMESSUNGEN/*DIMENSIONS*

TYP *SIZE*	Teil-Nr *Product Number*						ØA	B	C	D	E	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
	Std.	Std. S.U.	H6	H6 S.U.	H12	H12 S.U.							
B-1N	A2242	A2243	A2286	A2287	A2290	A2291	98	169	290	145	1/4" Anschluss	0.16	7
B-2N	A2032	A2033	A2050	A2051	A2068	A2069	144	169	288.5	145	1/4" Anschluss	0.3	8.1

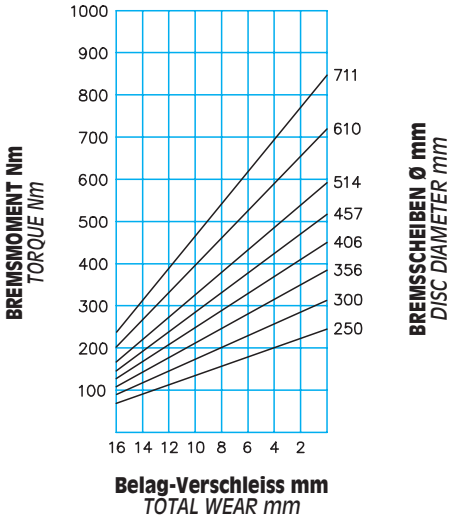
S.P. = Standard / *Standard Production*
S.U. = Ausführung mit Belag-Verschleissindikator / *With Wear Indicator*

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. - scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

B-1N



B-2N



Techn. Daten

Bremskraft F:

B-1N 1300 N
B-2N 2600 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.032) = Nm

Max. Belagverschleiss: 14 mm

Bremsbelagsdicke (neu): 16 mm

Dauerwärmeleistung:
Ausführung mit Doppelschuh Qc: 2.7 kW

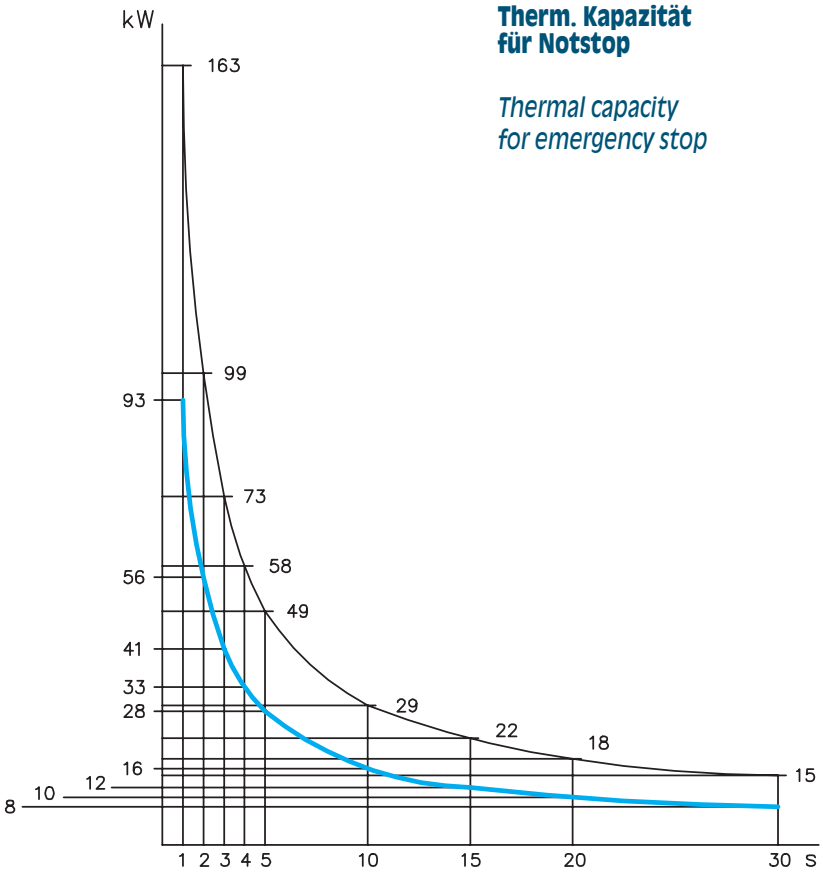
Min. Öffnungsdruck: 5 bar

Die Br.-Momente beziehen sich auf
4 Bet.-Federn (1N)
8 Bet.-Federn (2N & 3N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
2 Bet.-Federn (1N)
6-4-2 Bet.-Federn (2N & 3N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

DIAGRAMM/*CHART*



Therm. Kapazität für Notstop

Thermal capacity for emergency stop

Doppelschuh *Double pad*
Standard *Standard pad*

Technical data

Braking force F:

B-1N *1300 N*
B-2N *2600 N*

Dynamic torque
= F • (disc radius in m - 0.032) = Nm

Max total wear: 14 mm

Thickness of new lining: 16 mm

Continuous thermal capacity
Qc: 1.7 kW

Continuous thermal capacity
for double pad version
Qc: 2.7 kW

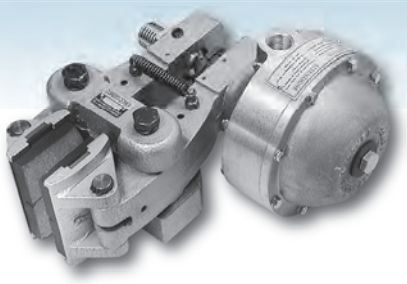
Minimum release pressure: 5 bar

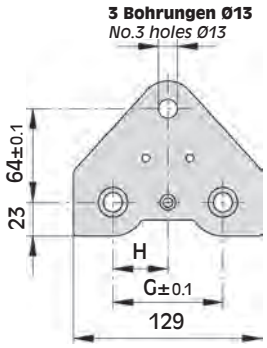
The torque values specified are obtained with n. 4 springs for 1N, n. 8 springs for 2N and 3N.

Torque proportionally less are achievable with n. 2 springs for 1N, n. 6-4-2 springs for 2N and 3N.

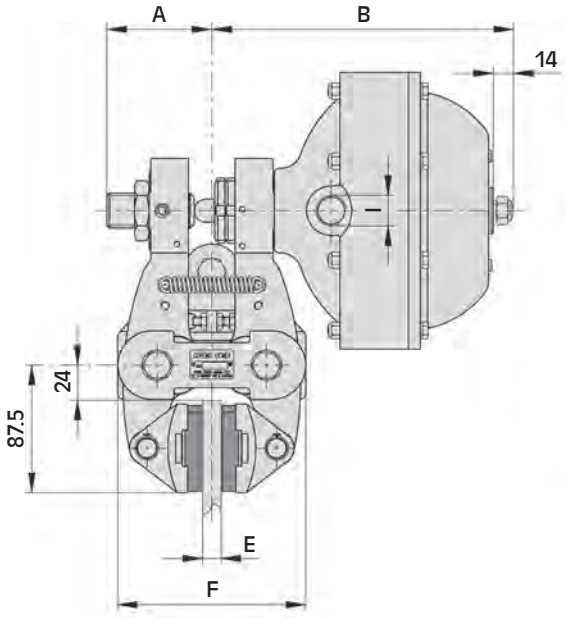
The diagram shows the torque variation for 2 millimeters of lining wear. Adjust according to ensure the correct torque value is achieved.

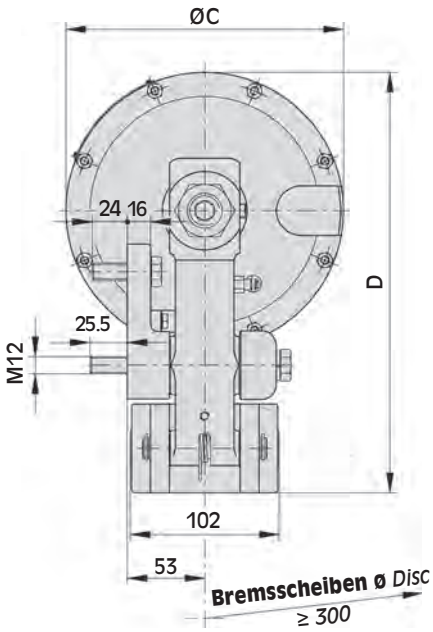
D-N





Ansicht Anschraubfläche Bremse
View on caliper base



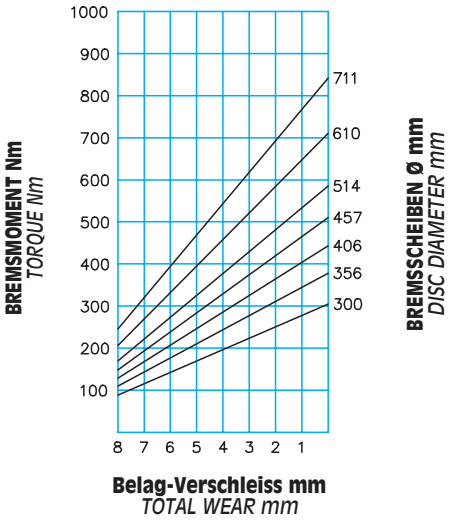


ABMESSUNGEN/*DIMENSIONS*

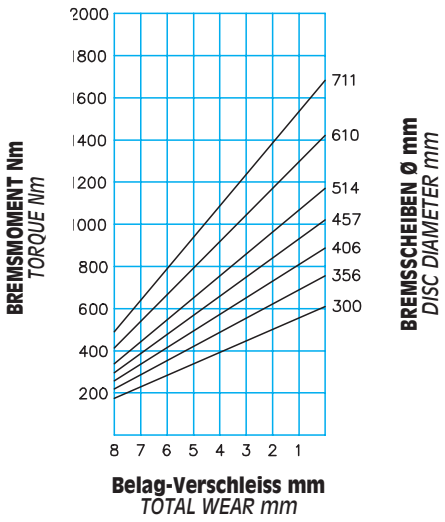
TYP *SIZE*	Teil-Nr *Product Number*	A	B	ØC	D	E	F	G	H	I	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
D-1N	A2526	70	189	98	242.5	12.7	129	75	37.5	1/4"Anschluss	0.16	11.3
	A2534	69.5	190	98	246.5	25.4	132	84	42	1/4"Anschluss	0.16	11.3
	A2542	81	198	98	242.5	30	140	75	37.5	1/4"Anschluss	0.16	11.3
	A2550	76.5	202.5	98	242.5	40	149	84	42	1/4"Anschluss	0.16	11.3
D-2N	A2558	72	179	144	265.5	12.7	129	75	37.5	1/2"Anschluss	0.3	12.3
	A2566	71.5	180	144	268	25.4	132	84	42	1/2"Anschluss	0.3	12.3
	A2574	83	188	144	265.5	30	140	75	37.5	1/2"Anschluss	0.3	12.3
	A2582	78.5	192.5	144	265.5	40	149	84	42	1/2"Anschluss	0.3	12.3
D-3N	A2590	72	207	190	288.5	12.7	129	75	37.5	1/2"Anschluss	0.7	15.4
	A2598	71.5	208	190	292	25.4	132	84	42	1/2"Anschluss	0.7	15.4
	A2606	83	216	190	288.5	30	140	75	37.5	1/2"Anschluss	0.7	15.4
	A2614	78.5	220.5	190	288.5	40	149	84	42	1/2"Anschluss	0.7	15.4

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

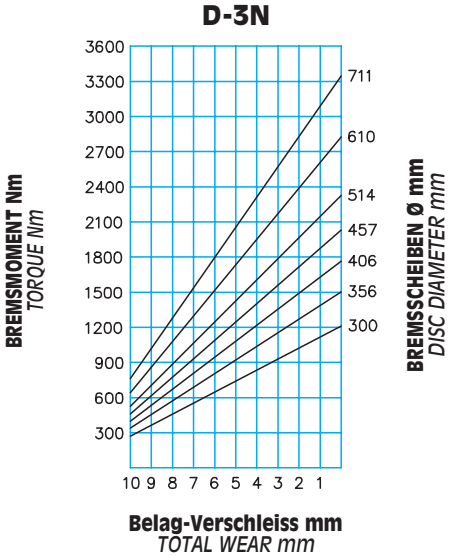
D-1N



D-2N



D-3N



Techn. Daten

Bremskraft F:

D-1N	2625 N
D-2N	5250 N
D-3N	10400 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.033) = Nm

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 11 mm

Dauerwärmeleistung: Qc: 3.4 kW

Min. Öffnungsdruck: 5 bar

Die Br.-Momente beziehen sich auf
4 Bet.-Federn (1N)
8 Bet.-Federn (2N & 3N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
2 Bet.-Federn (1N)
6-4-2 Bet.-Federn (2N & 3N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

Technical data

Braking force F:

D-1N	*2625 N*
D-2N	*5250 N*
D-3N	*10400 N*

Dynamic torque
= F • (disc radius in m - 0.033) = Nm

Max total wear: 12 mm

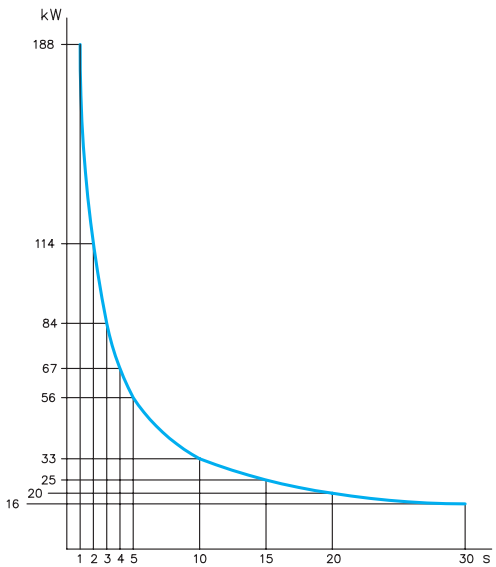
Thickness of new lining: 11 mm

Continuous thermal capacity
Qc: 3.4 kW

Minimum release pressure: 5 bar

The torque values specified are obtained with n. 4 springs for 1N, n. 8 springs for 2N and 3N. Torque proportionally less are achievable with n. 2 springs for 1N, n. 6-4-2 springs for 2N and 3N. The diagram shows the torque variation for each millimeter of linings wear. Adjust according to ensure the correct torque value is achieved.

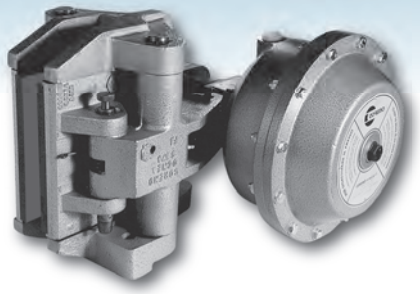
DIAGRAMM/*CHART*

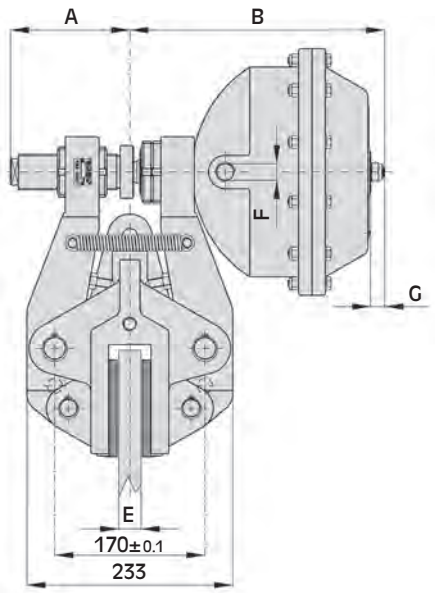


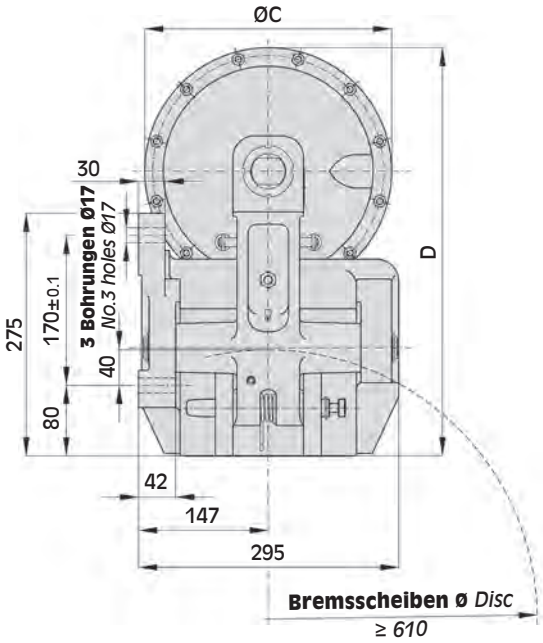
Therm. Kapazität für Notstop

Thermal capacity for emergency stop

E-N





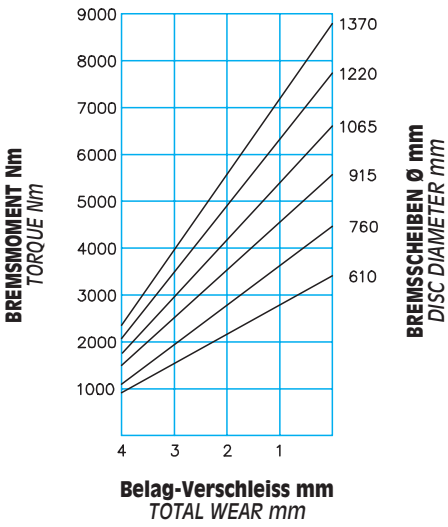


ABMESSUNGEN/*DIMENSIONS*

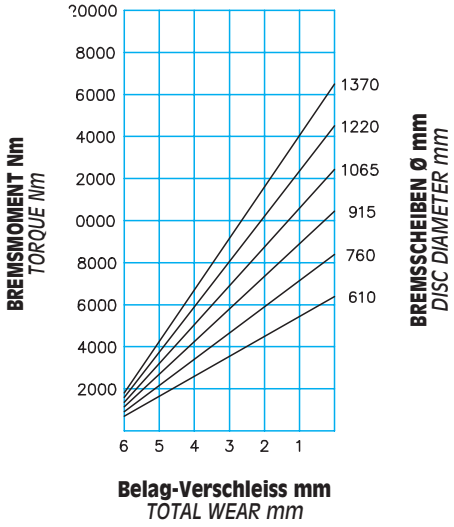
TYP *SIZE*	Teil-Nr *Product Number*	A	B	ØC	D	E	F	G	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
E-3N	A1967	126	227	190	418	25.4	1/2"Anschluss	14	0.7	61
	A1970	126	227	190	418	40	1/2"Anschluss	14	0.7	61
E-3.5N	A2874	127	242	240	443	25.4	1/2"Anschluss	16	0.95	65.5
	A2877	127	242	240	443	40	1/2"Anschluss	16	0.95	65.5
E-4N	A1973	135	289	280	463	25.4	1/2"Anschluss	16	3	70
	A1976	135	289	280	463	40	1/2"Anschluss	16	3	70

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

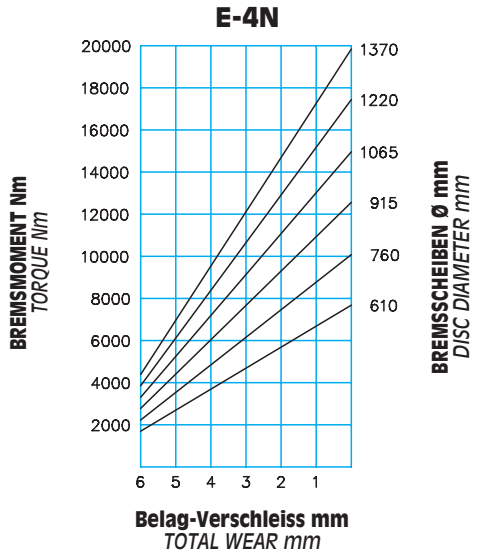
E-3N



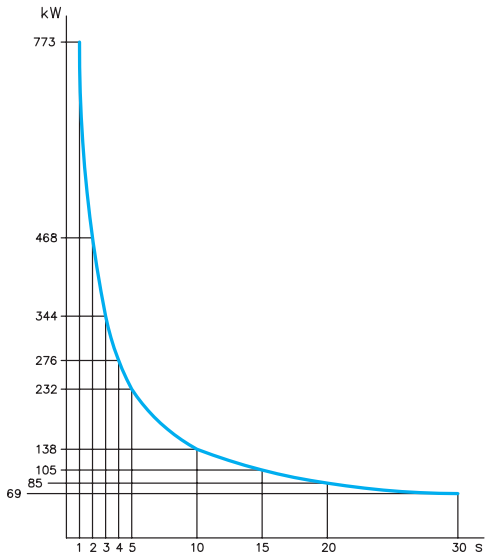
E-3.5N



E-4N



DIAGRAMM/*CHART*



Therm. Kapazität für Notstop

Thermal capacity for emergency stop

Techn. Daten

Bremskraft F:

E-3N	14150 N
E-3.5N	26600 N
E-4N	32000 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.065) = Nm

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 13 mm

Dauerwärmeleistung: Qc = 20 kW

Min. Öffnungsdruck: 5 bar

Die Br.-Momente beziehen sich auf
8 Bet.-Federn (3N)
12 Bet.-Federn (3.5N & 4N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
6-4-2 Bet.-Federn (3N)
10-8-6 Bet.-Federn (3.5N & 4N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

Technical data

Braking force F:

E-3N	*14150 N*
E-3.5N	*26600 N*
E-4N	*32000 N*

Dynamic torque
= F • (disc radius in m - 0.065) = Nm

Max total wear: 12 mm

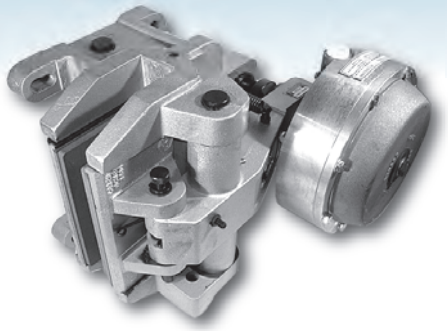
Thickness of new lining: 13 mm

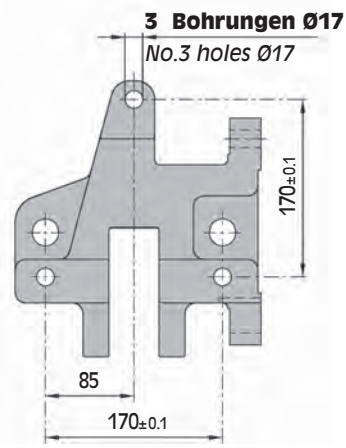
Continuous thermal capacity Qc: 20 kW

Minimum release pressure: 5 bar

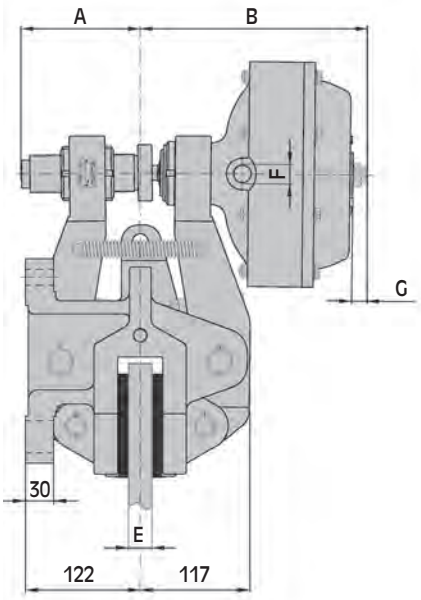
The torque values specified are obtained with No. 8 springs for 3N, No. 12 springs for 3.5N and 4N. Torque proportionally less are achievable with No. 6-4-2 springs for 3N, No. 10-8-6 springs for 3.5N and 4N. The diagram shows the torque variation for each millimeter of linings wear. Adjust according to ensure the correct torque value is achieved.

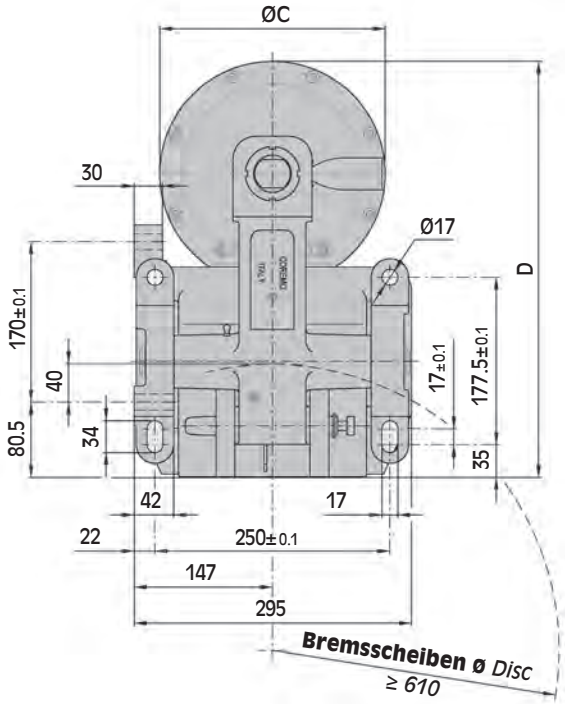
EL-N





Ansicht Anschraubfläche Bremse
Frontal mounting view



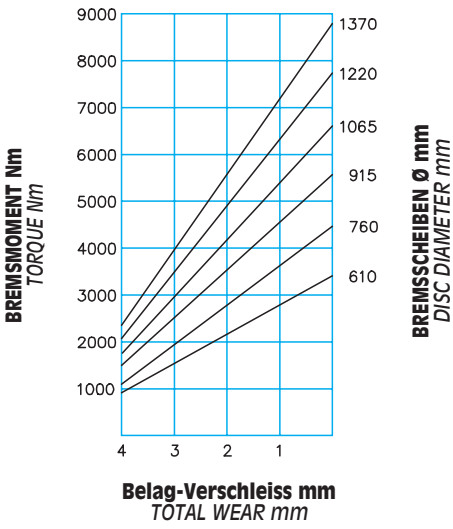


ABMESSUNGEN/*DIMENSIONS*

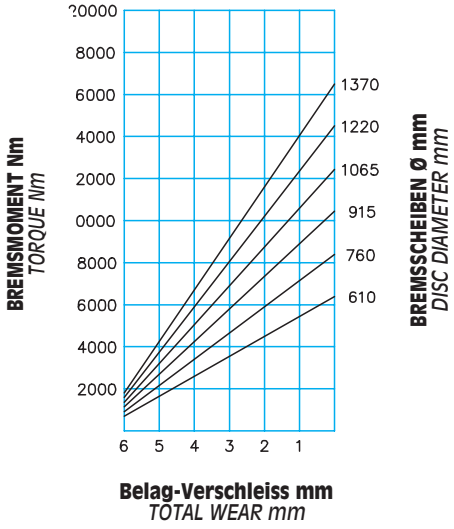
TYP *SIZE*	Teil-Nr *Product Number*	A	B	ØC	D	E	F	G	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
EL-3N	A3587	126	227	190	418	25.4	1/2"Anschluss	14	0.7	64
	A3590	126	227	190	418	40	1/2"Anschluss	14	0.7	64
EL-3.5N	A3593	127	242	240	443	25.4	1/2"Anschluss	16	0.95	68.5
	A3596	127	242	240	443	40	1/2"Anschluss	16	0.95	68.5
EL-4N	A3599	135	289	280	463	25.4	1/2"Anschluss	16	3	73
	A3602	135	289	280	463	40	1/2"Anschluss	16	3	73

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

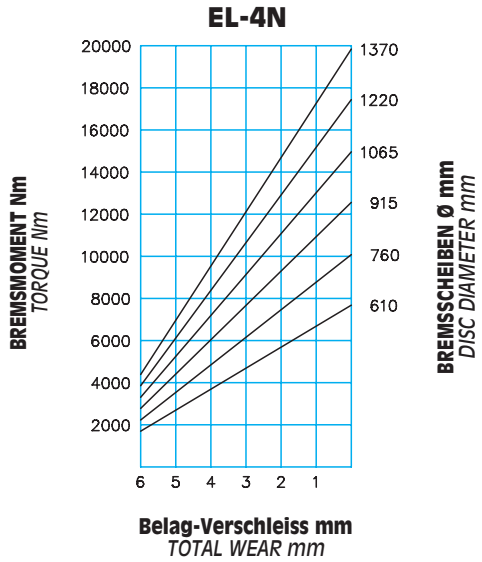
EL-3N



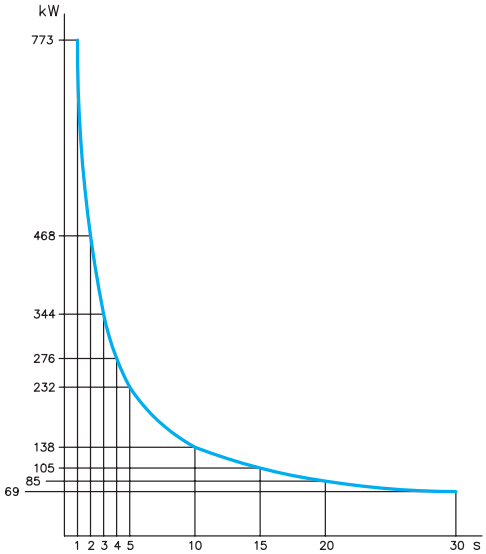
EL-3.5N



EL-4N



DIAGRAMM/*CHART*



Therm. Kapazität für Notstop

Thermal capacity for emergency stop

Techn. Daten

Bremskraft F:

EL-3N	14150 N
EL-3.5N	26600 N
EL-4N	32000 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.065) = Nm

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 13 mm

Dauerwärmeleistung: Qc = 20 kW

Min. Öffnungsdruck: 5 bar

Die Br.-Momente beziehen sich auf
8 Bet.-Federn (3N)
12 Bet.-Federn (3.5N & 4N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
6-4-2 Bet.-Federn (3N)
10-8-6 Bet.-Federn (3.5N & 4N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

Technical data

Braking force F:

EL-3N	*14150 N*
EL-3.5N	*26600 N*
EL-4N	*32000 N*

Dynamic torque
= F • (disc radius in m - 0.065) = Nm

Max total wear: 12 mm

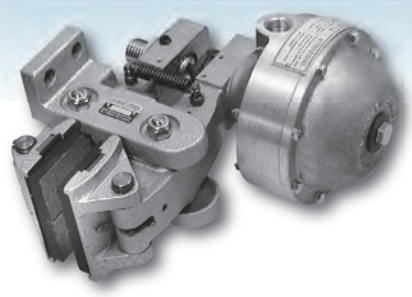
Thickness of new lining: 13 mm

Continuous thermal capacity
Qc: 20 kW

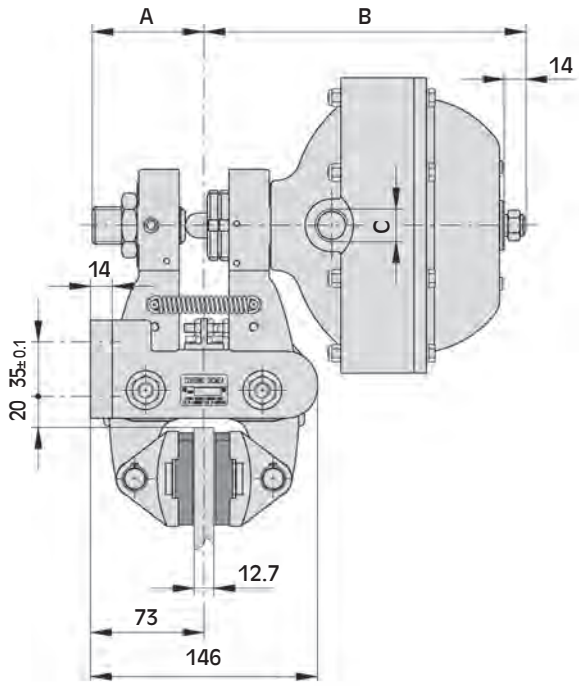
Minimum release pressure: 5 bar

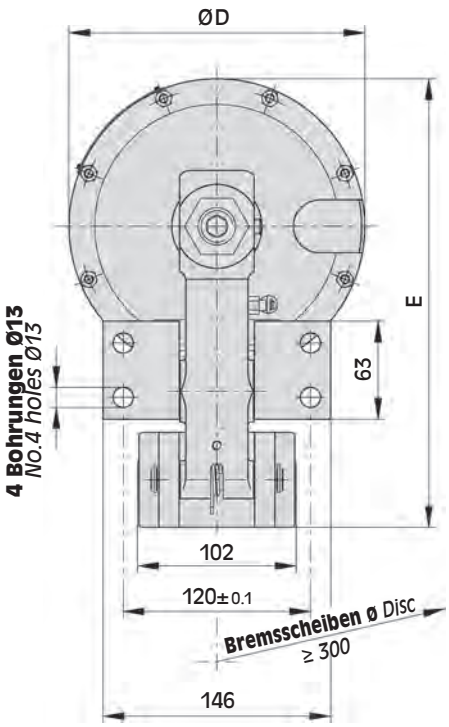
The torque values specified are obtained with
No. 8 springs for 3N,
No. 12 springs for 3.5N and 4N.
Torque proportionally less are achievable with
No. 6-4-2 springs for 3N,
No. 10-8-6 springs for 3.5N and 4N.
The diagram shows the torque variation for each millimeter of linings wear.
Adjust according to ensure the correct torque value is achieved.

F-N



Auch verfügbar für Bremsscheibendicke 25,4 - 30 - 40 mm.
Available also for disc thickness 25,4 - 30 - 40 mm.



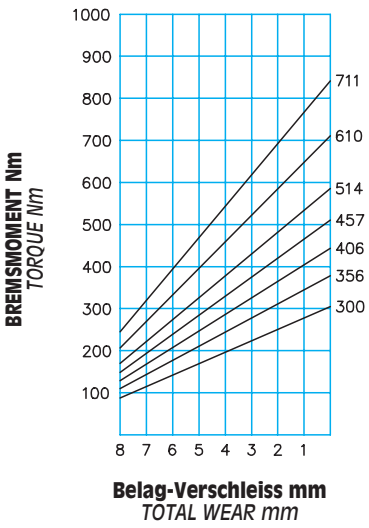


ABMESSUNGEN/*DIMENSIONS*

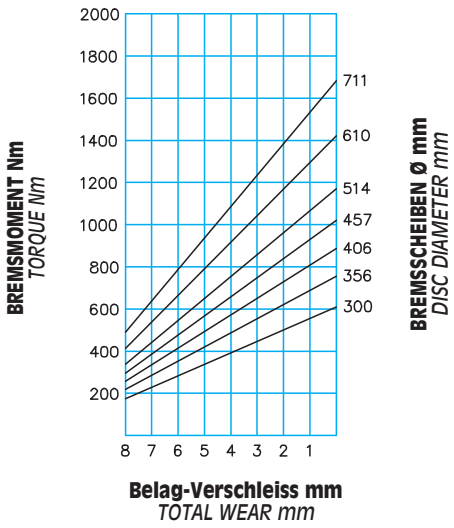
TYP *SIZE*	Teil-Nr *Product Number*	A	B	C	ØD	E	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
F-1N	A2790	70	189	1/4"Anschluss	98	242.5	0.16	11
F-2N	A2798	72	179	1/2"Anschluss	144	265.5	0.3	12
F-3N	A2806	72	207	1/2"Anschluss	190	288.5	0.7	15.1

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.

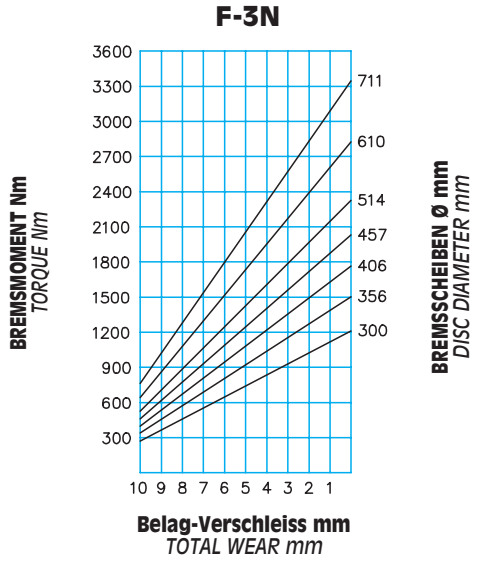
F-1N



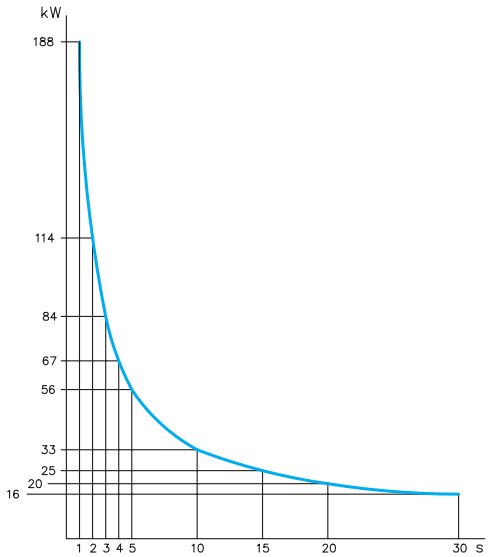
F-2N



F-3N



DIAGRAMM/*CHART*



Therm. Kapazität für Notstop

Thermal capacity for emergency stop

Techn. Daten

Bremskraft F:

F-1N	2625 N
F-2N	5250 N
F-3N	10400 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.033) = Nm

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 11 mm

Dauerwärmeleistung: Qc = 3.4 kW

Min. Öffnungsdruck: 5 bar

Die Br.-Momente beziehen sich auf
4 Bet.-Federn (1N)
8 Bet.-Federn (2N & 3N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
2 Bet.-Federn (1N)
6-4-2 Bet.-Federn (2N & 3N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagsverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

Technical data

Braking force F:

F-1N	*2625 N*
F-2N	*5250 N*
F-3N	*10400 N*

Dynamic torque
= F • (disc radius in m - 0.033) = Nm

Max total wear: 12 mm

Thickness of new lining: 11 mm

Continuous thermal capacity Qc: 3.4 kW

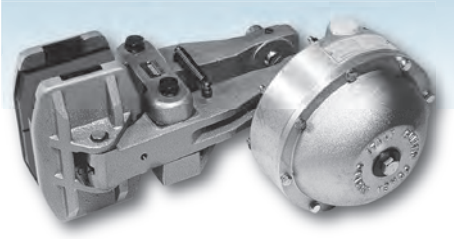
Minimum release pressure: 5 bar

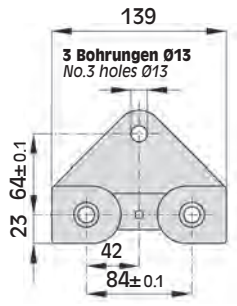
The torque values specified are obtained with n. 4 springs for 1N, n. 8 springs for 2N and 3N.

Torque proportionally less are achievable with n. 2 springs for 1N, n. 6-4-2 springs for 2N and 3N.

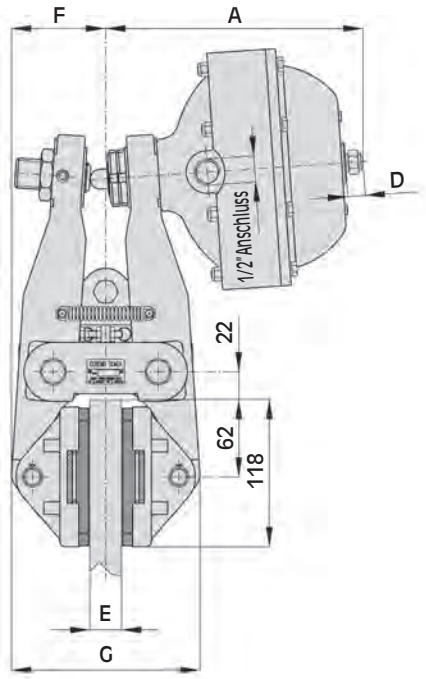
The diagram shows the torque variation for each millimeter of linings wear. Adjust according to ensure the correct torque value is achieved.

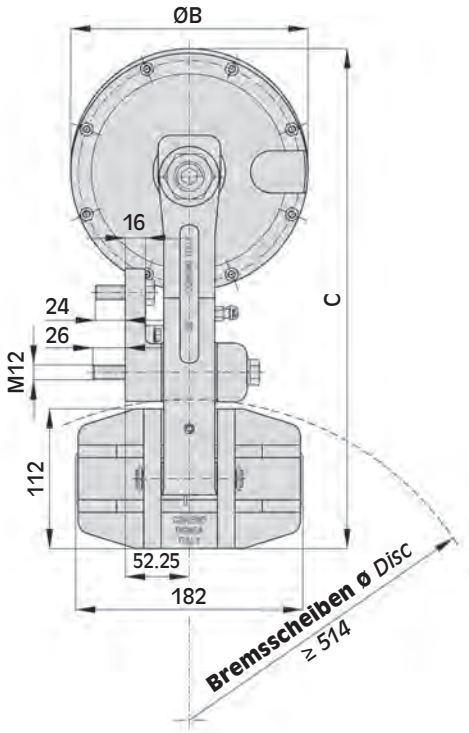
G-N





Ansicht Anschraubfläche Bremse
View on caliper base

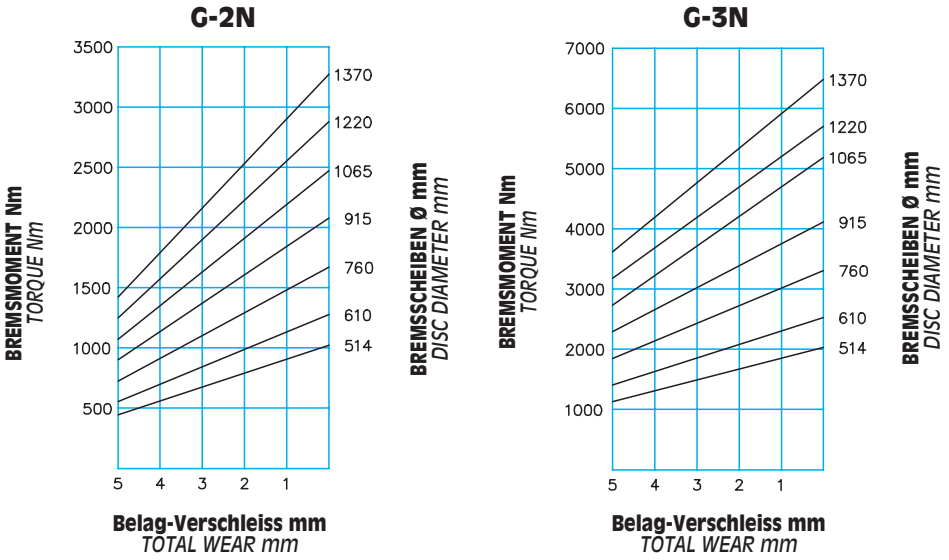


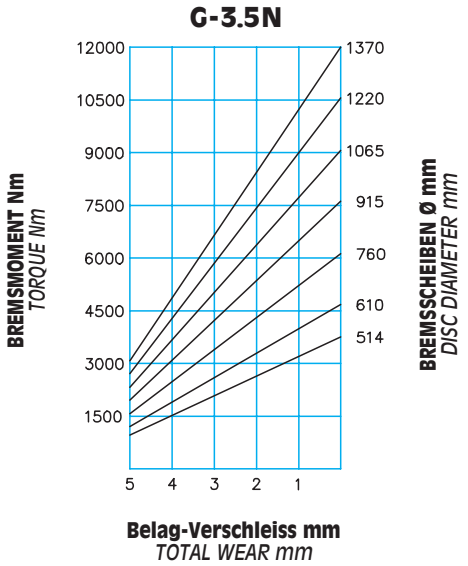


ABMESSUNGEN/*DIMENSIONS*

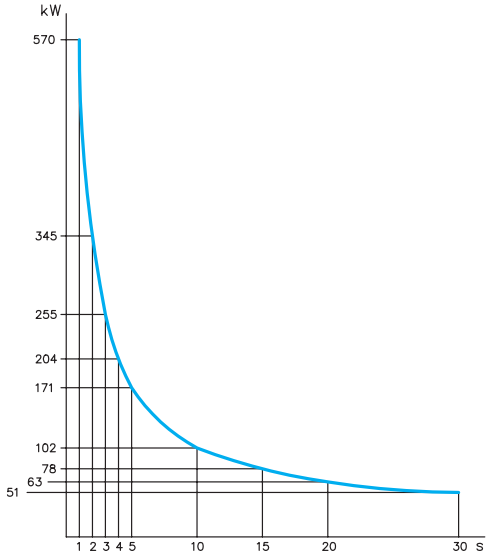
TYP *SIZE*	Teil-Nr *Product Number*	A	ØB	C	D	E	F	G	Luftvolumen *Air Volume* dm³	Gewicht *Weight* kg
G-2N	A2161	178	144	375	14	25.4	75.5	151	0.3	18.2
	A2862	186	144	375	14	40	86	165.5	0.3	18.2
G-3N	A2164	206	190	399	14	25.4	75.5	151	0.7	21.3
	A2866	214	190	399	14	40	86	165.5	0.7	21.3
G-3.5N	A2167	222	240	426	16	25.4	75.5	151	0.95	25.7
	A2870	230	240	426	16	40	86	165.5	0.95	25.7

Warnung: Das anfängliche Bremsmoment neuer Bremsen/Bremsbeläge kann um 30-50% zu den Katalogwerten verringert sein, bis Bremsbeläge u. – scheiben eingelaufen sind!
Warning:The initial torque on new units can be 30% to 50% less than the catalogue value until the friction facing and friction disc are lapped or worn in.





DIAGRAMM/*CHART*



Therm. Kapazität für Notstop

Thermal capacity for emergency stop

Techn. Daten

Bremskraft F:

G-2N	5250 N
G-3N	10400 N
G-3.5N	19260 N

dyn. Bremsmoment:
= F • (Scheibenradius(m) - 0.062) = Nm

Max. Belagverschleiss: 10 mm

Bremsbelagsdicke (neu): 8 mm

Dauerwärmeleistung: Qc = 14 kW

Dauerwärmeleistung: 5 bar

Die Br.-Momente beziehen sich auf
8 Bet.-Federn (2N & 3N)
12 Bet.-Federn (3.5N)

Proportional geringere Br.-Momente sind erreichbar durch den Einsatz von
6-4-2 Bet.-Federn (2N & 3N)
10-8-6 Bet.-Federn (3.5N)

Das Diagramm zeigt die Bremsmoment-abweichungen je 1 mm Belagverschleiss. Für gleichbleibendes Br.-Moment muss die Bremse entsprechend nachjustiert werden.

Technical data

Braking force F:

G-2N	*5250 N*
G-3N	*10400 N*
G-3.5N	*19260 N*

Dynamic torque
= F • (disc radius in m - 0.062) = Nm

Max total wear: 10 mm

Thickness of new lining: 8 mm

Continuous thermal capacity Qc: 14 kW

Minimum release pressure: 5 bar

The torque values specified are obtained with No. 8 springs for 2N-3N, No. 12 springs for 3.5N.

Torque proportionally less are achievable with No. 6-4-2 springs for 2N-3N, No. 10-8-6 springs for 3.5N.

The diagram shows the torque variation for each millimeter of linings wear. Adjust according to ensure the correct torque value is achieved.