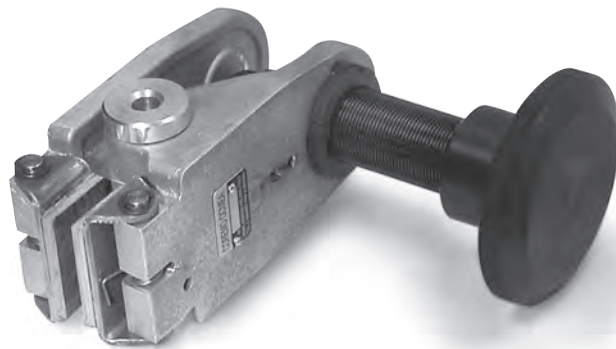


# MANUELLE BETÄTIGUNG

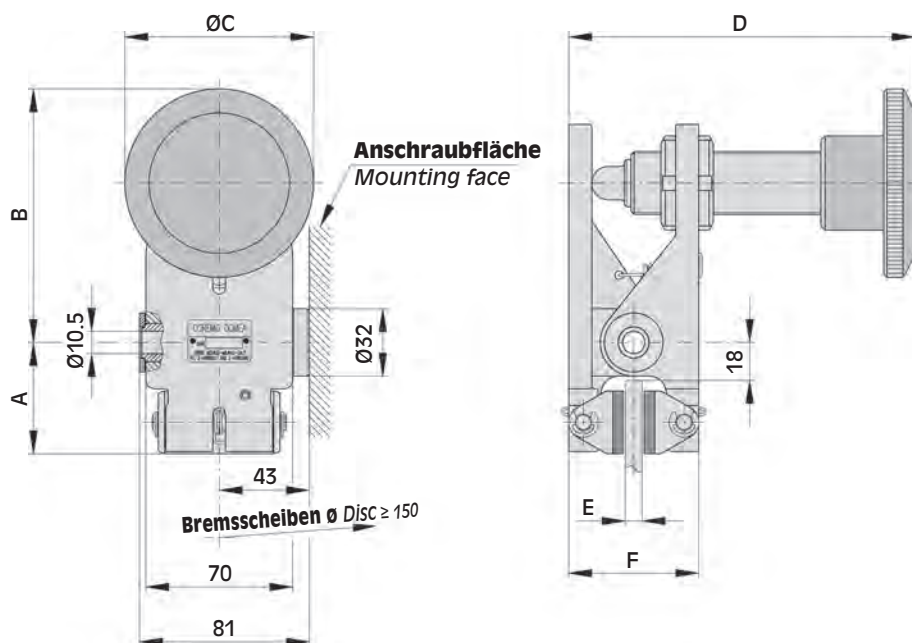
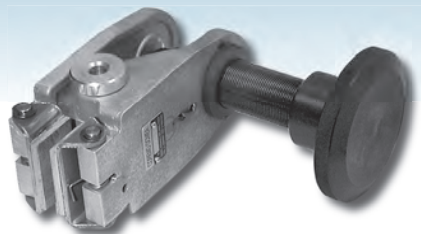


## MANUAL CONTROL *Mechanically actuated*

**Manuell betätigte Bremsen sind eine gute Lösung für einfache Maschinen, die keine kontinuierliche Steuerung des Bremsmomentes erfordern. Ebenfalls können diese Bremsen eingesetzt werden, wenn keine Druckluftversorgung vorhanden ist.**

*Mechanically actuated brakes are the best solution for simple machines where it is not necessary a continuous brake tuning. Besides, if air supply is not available, it is possible to mount a brake.*

## MPA-M



### ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	A	B	ØC	D	E	F	Gewicht Weight kg
MPA-M	A2912	53	121	90	166	8	62	2.4
	A2914	51	129	90	175	12.7	68	2.4

**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.

Techn. Daten

Bremskraft F:

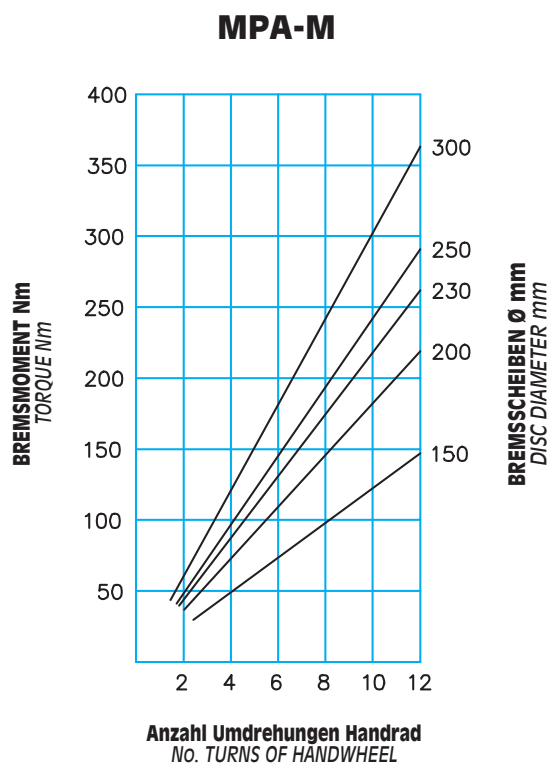
MPA-M 2880 N 12 Umdrehungen Handrad

dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.024) = \text{Nm}$

Max. Belagverschleiss: 6 mm

Bremsbelagsdicke (neu): 5 mm

Dauerwärmeleistung: Qc = 1 kW



Technical data

Braking force F:

**MPA-M** 2880 N 12 turns of handwheel

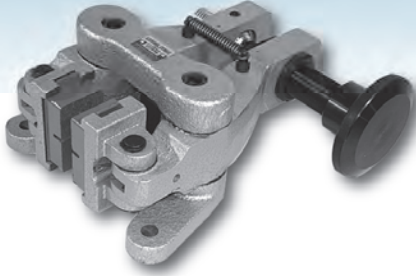
Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.024) = \text{Nm}$

Max total wear: 6 mm

Thickness of new lining: 5 mm

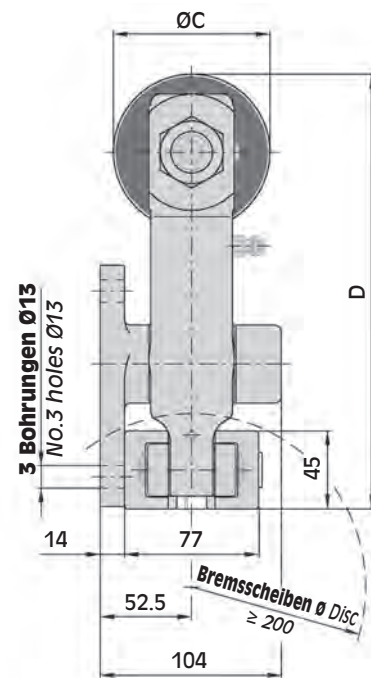
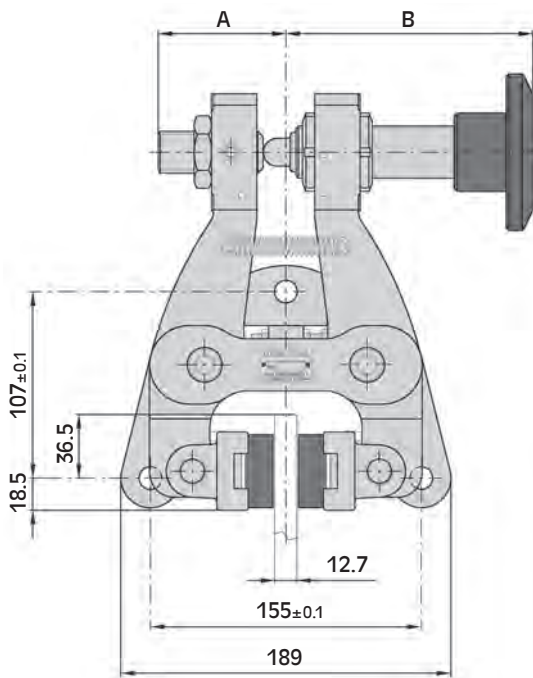
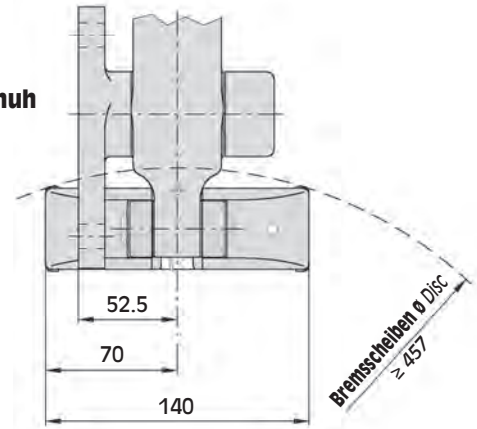
Continuous thermal capacity  
 Qc: 1 kW

# A-M



**Auch verfügbar für Bremsscheibendicke 25,4 mm.**  
*Available also for disc thickness 25,4 mm.*

**Ausführung Doppelschuh**  
*Double pad version*



## ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	A	B	ØC	D	Gewicht Weight kg
A-M	A3254	73	141	90	250.5	11.2

**Warnung:** Das anfängliche Bremsmoment neuer Bremsen/Bremssbeläge 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.

## Techn. Daten

Bremskraft F:

**A-M** 2880 N 12 Umdrehungen Handrad

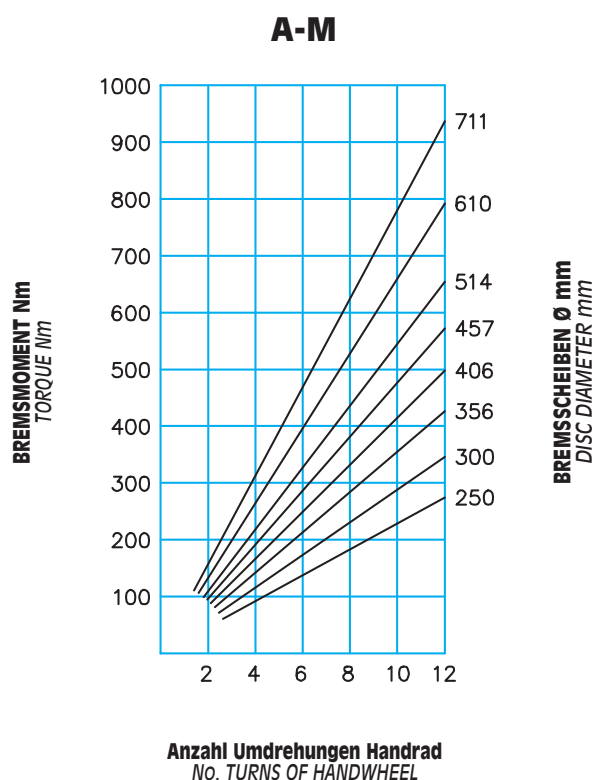
dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.03) = \text{Nm}$

Max. Belagverschleiss: 16 mm

Bremsbelagsdicke (neu): 16 mm

Dauerwärmeleistung:  $Q_c = 1.7 \text{ kW}$

Dauerwärmeleistung:  $Q_c = 2.7 \text{ kW}$  für Ausführung mit Doppelschuh



## Technical data

Braking force F:

**A-M** 2880 N 12 turns of handwheel

Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.03) = \text{Nm}$

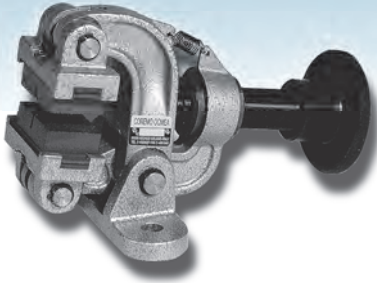
Max total wear: 16 mm

Thickness of new lining: 16 mm

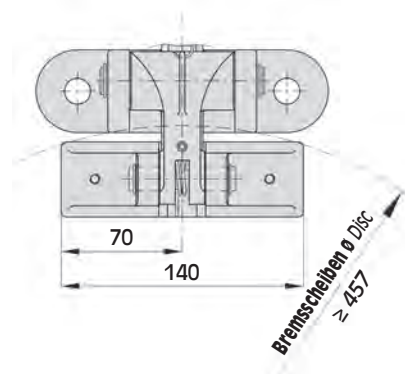
Continuous thermal capacity  
 $Q_c: 1.7 \text{ kW}$

Continuous thermal capacity  
 for double pad version  
 $Q_c: 2.7 \text{ kW}$

## B-M

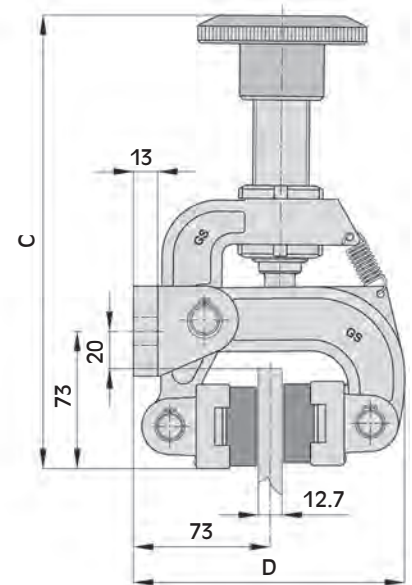
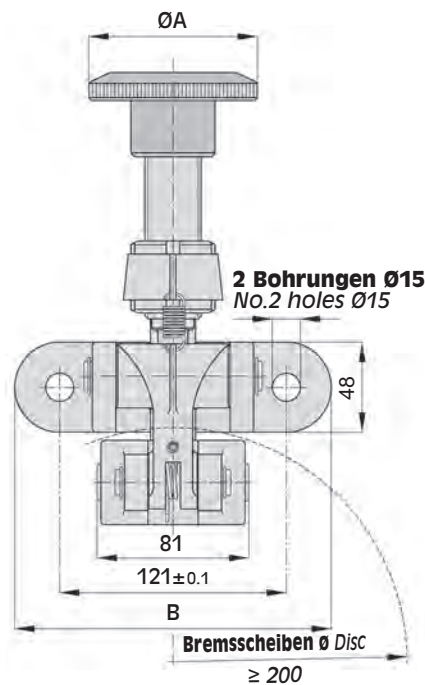


**Ausführung Doppelschuh**  
Double pad version



**Die Bremse muss horizontal montiert werden, so dass der Betät.-Stößel keine Kraft auf die Bremsarme ausübt! Andere Einbaulagen sind möglich, bitte kontaktieren Sie unseren techn.Service!**

*The brake must be mounted horizontally so that the piston does not press the brake arms. For different mounting please contact our technical office.*



## ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	ØA	B	C	D	Gewicht Weight kg
B-M	A2012	90	169	242	145	5.6

**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.

## Techn. Daten

Bremskraft F:

**B-M** 1166 N 12 Umdrehungen Handrad

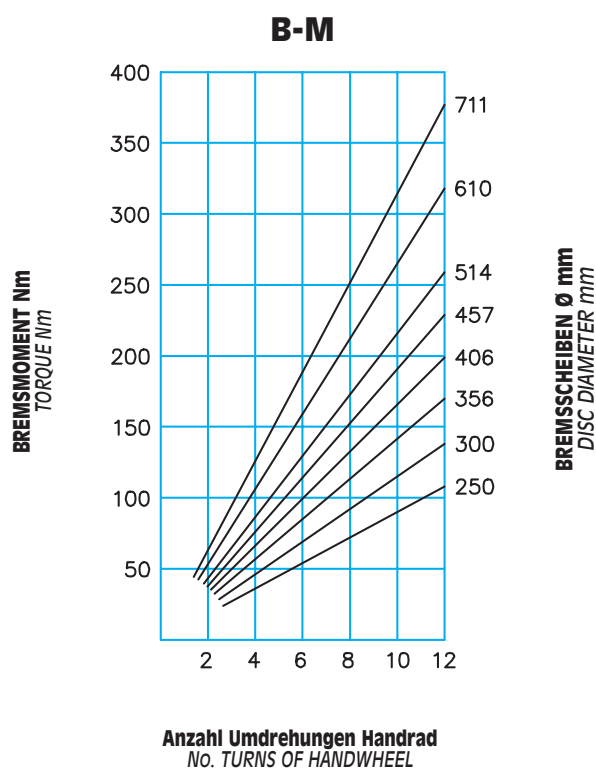
dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.032) = \text{Nm}$

Max. Belagverschleiss: 14 mm

Bremsbelagsdicke (neu): 16 mm

Dauerwärmeleistung:  $Q_c = 1.7 \text{ kW}$

Dauerwärmeleistung:  $Q_c = 2.7 \text{ kW}$  für Ausführung mit Doppelschuh



## Technical data

Braking force F:

**B-M** 1166 N 12 turns of handwheel

Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.032) = \text{Nm}$

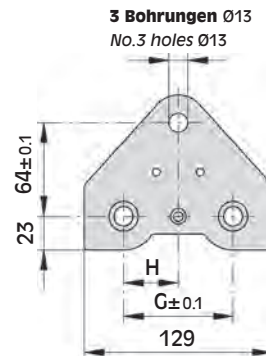
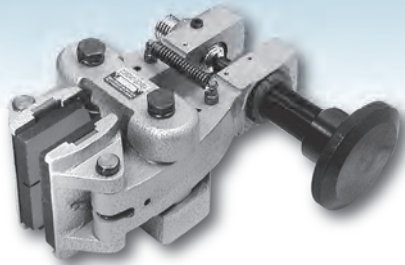
Max total wear: 14 mm

Thickness of new lining: 16 mm

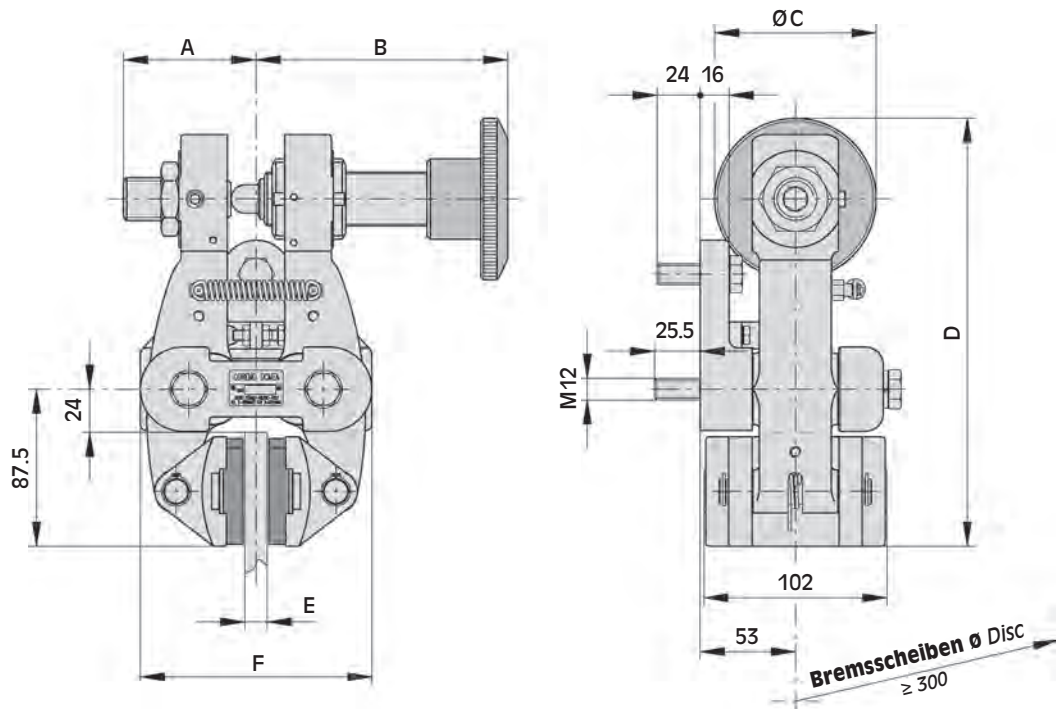
Continuous thermal capacity  
 $Q_c: 1.7 \text{ kW}$

Continuous thermal capacity  
 for double pad version  
 $Q_c: 2.7 \text{ kW}$

# D-M



**Ansicht Anschraubfläche Bremse**  
View on caliper base



## ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	A	B	ØC	D	E	F	G	H	Gewicht Weight kg
D-M	A2366	74	140	90	238.5	12.7	129	75	37.5	9.9
	A2374	73.5	142	90	241.5	25.4	132	84	42	9.9
	A2382	85	149	90	238.5	30	140	75	37.5	9.9
	A2390	81.5	154	90	238.5	40	149	84	42	9.9

**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.



**Techn. Daten**

Bremskraft F:

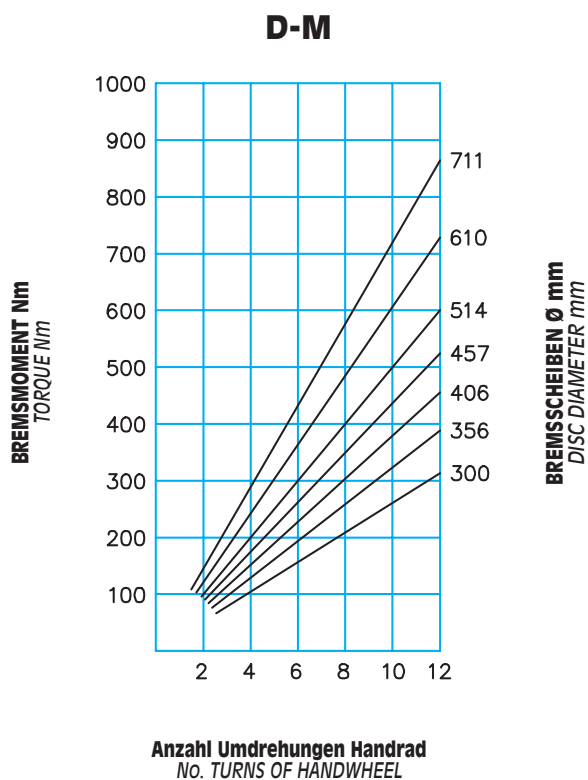
**D-M** 2670 N 12 Umdrehungen Handrad

dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.033) = \text{Nm}$

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 11 mm

Dauerwärmeleistung:  $Q_c = 3.4 \text{ kW}$



**Technical data**

Braking force F:

**D-M** 2670 N 12 turns of handwheel

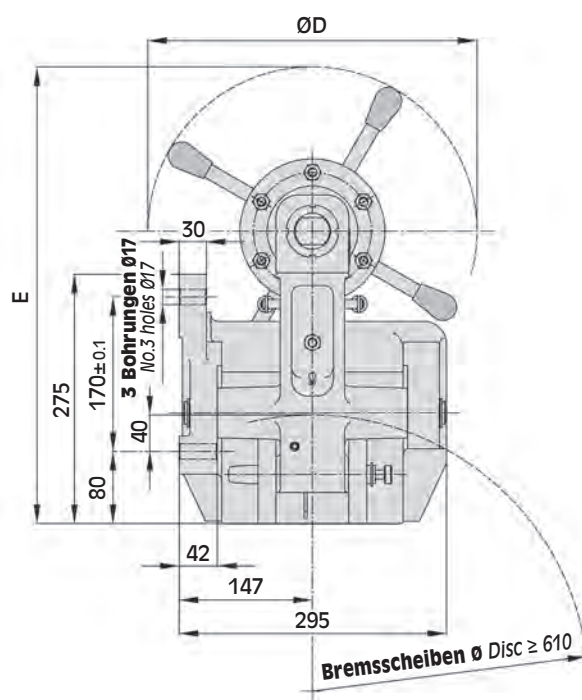
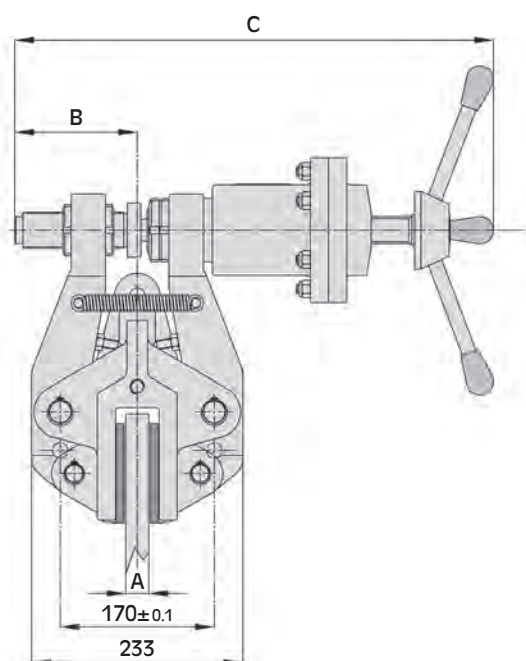
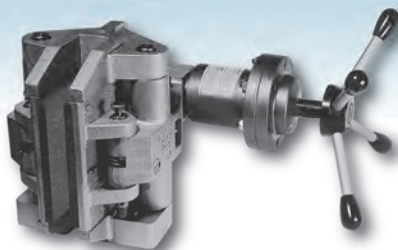
Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.033) = \text{Nm}$

Max total wear: 12 mm

Thickness of new lining: 11 mm

Continuous thermal capacity  
 $Q_c: 3.4 \text{ kW}$

# E-M



## ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	A	B	C	ØD	E	Gewicht Weight kg
E-M	A1979	25.4	135	528	363	504	69
	A1985	40	135	528	363	504	69

**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.

Techn. Daten

Bremskraft F:

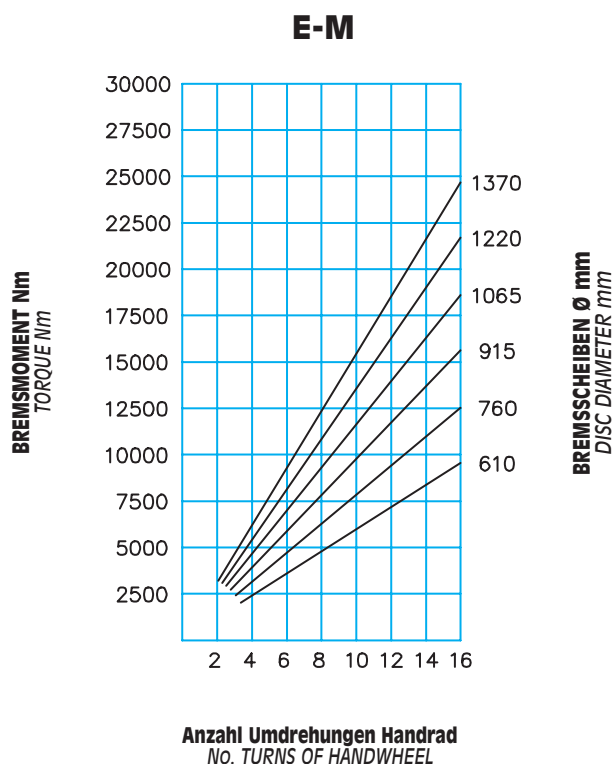
**E-M** 39800 N 16 Umdrehungen Handrad

dyn. Bremsmoment:  
 =  $F \cdot (\text{Scheibenradius(m)} - 0.065) = \text{Nm}$

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 13 mm

Dauerwärmeleistung:  $Q_c = 20 \text{ kW}$



Technical data

Braking force F:

**E-M** 39800 N 16 turns of handwheel

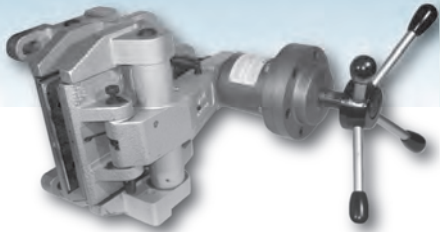
Dynamic torque  
 =  $F \cdot (\text{disc radius in m} - 0.065) = \text{Nm}$

Max total wear: 12 mm

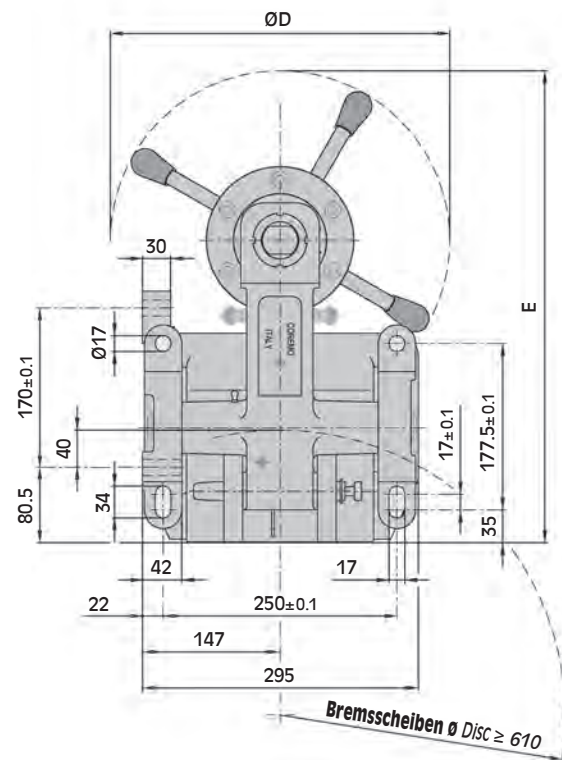
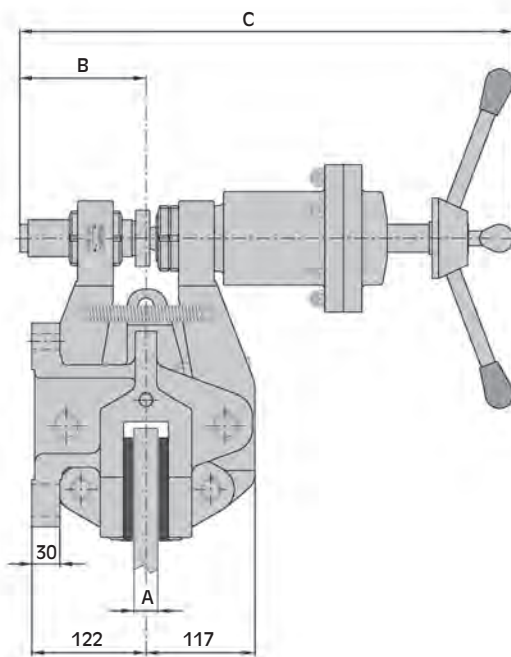
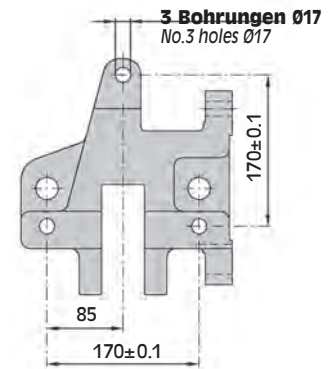
Thickness of new lining: 13 mm

Continuous thermal capacity  
 $Q_c: 20 \text{ kW}$

## EL-M



Front Ansicht Anschraubfläche  
Frontal mounting view



## ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	A	B	C	ØD	E	Gewicht Weight kg
EL-M	A3622	25.4	135	528	363	504	72
	A3625	40	135	528	363	504	72

**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.

Techn. Daten

Bremskraft F:

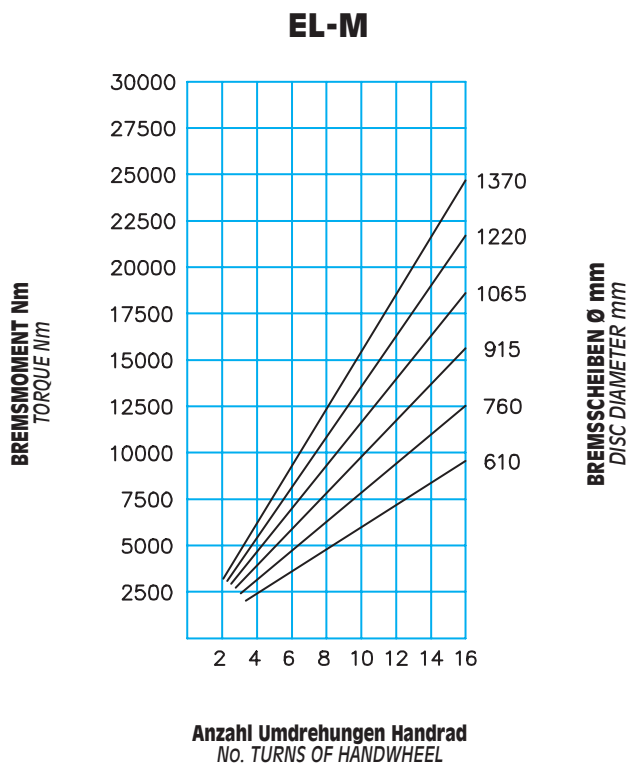
**EL-M** 39800 N 16 Umdrehungen Handrad

dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.065) = \text{Nm}$

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 13 mm

Dauerwärmeleistung: Qc = 20 kW



Technical data

Braking force F:

**EL-M** 39800 N 16 turns of handwheel

Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.065) = \text{Nm}$

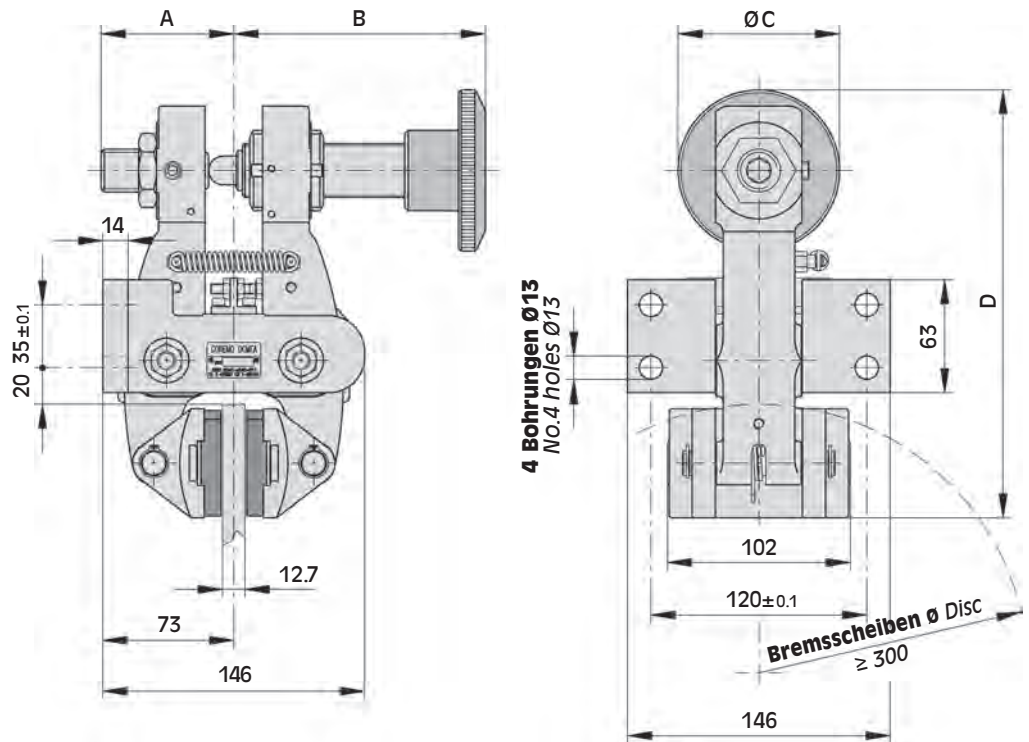
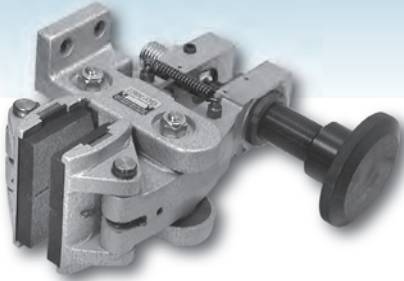
Max total wear: 12 mm

Thickness of new lining: 13 mm

Continuous thermal capacity  
 Qc: 20 kW

# F-M

**Auch verfügbar für Scheibendicke 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	ØC	D	Gewicht Weight kg
F-M	A2750	74	140	90	238.5	9.6

**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.

Techn. Daten

Bremskraft F:

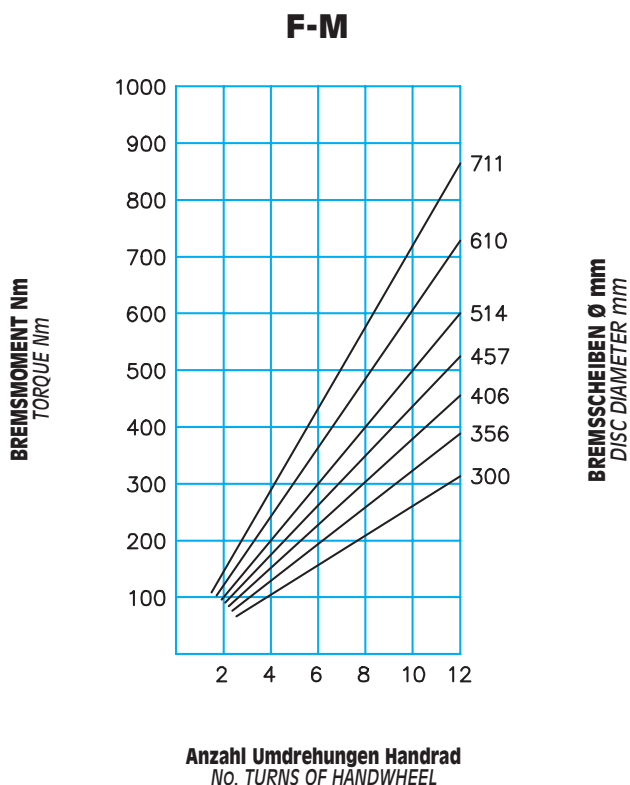
**F-M** 2670 N 12 Umdrehungen Handrad

dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.033) = \text{Nm}$

Max. Belagverschleiss: 12 mm

Bremsbelagsdicke (neu): 11 mm

Dauerwärmeleistung: Qc: 3.4 kW



Technical data

Braking force F:

**F-M** 2670 N 12 turns of handwheel

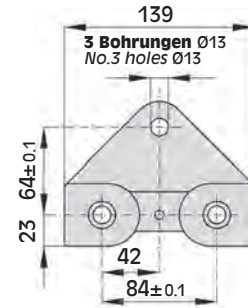
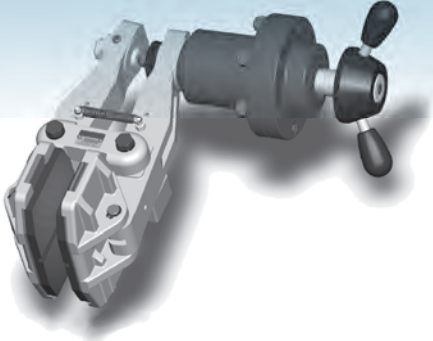
Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.033) = \text{Nm}$

Max total wear: 12 mm

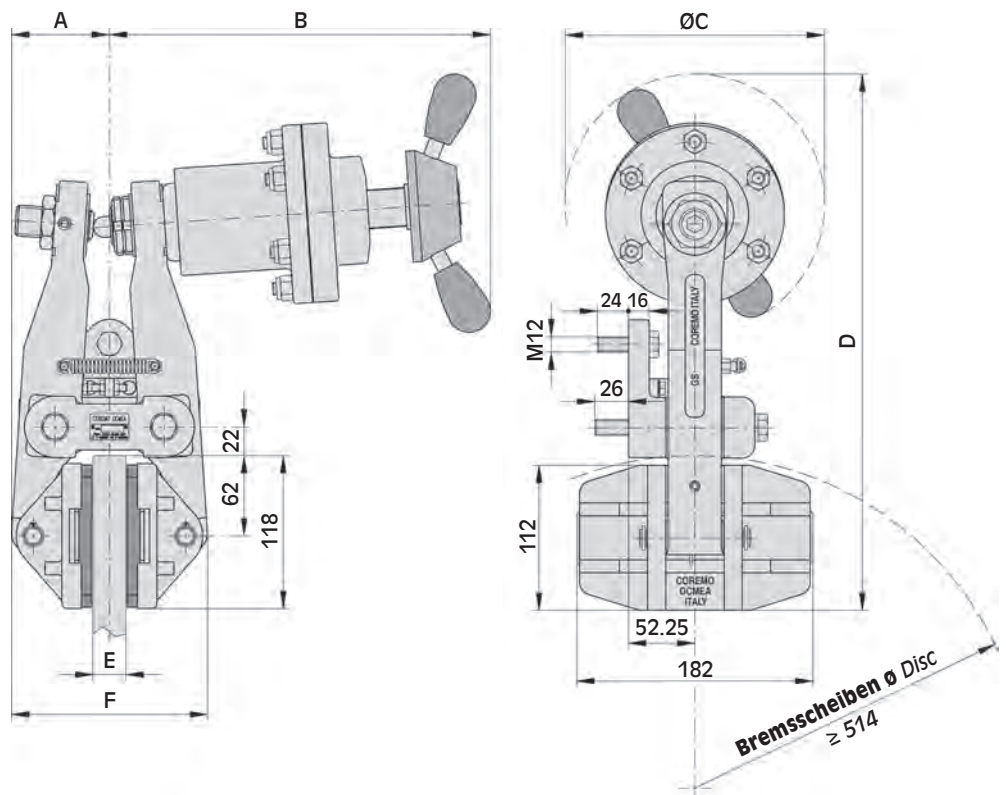
Thickness of new lining: 11 mm

Continuous thermal capacity  
 Qc: 3.4 kW

# G-M



**Ansicht Anschraubfläche Bremse**  
View on caliper base



## ABMESSUNGEN/DIMENSIONS

TYP SIZE	Teil-Nr Product Number	A	B	ØC	D	E	F	Gewicht Weight kg
G-M	A2936	75.5	293.5	200	413	25.4	151	23.5
	A2940	85	301	200	412	40	165.5	23.5

**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.



Techn. Daten

Bremskraft F:

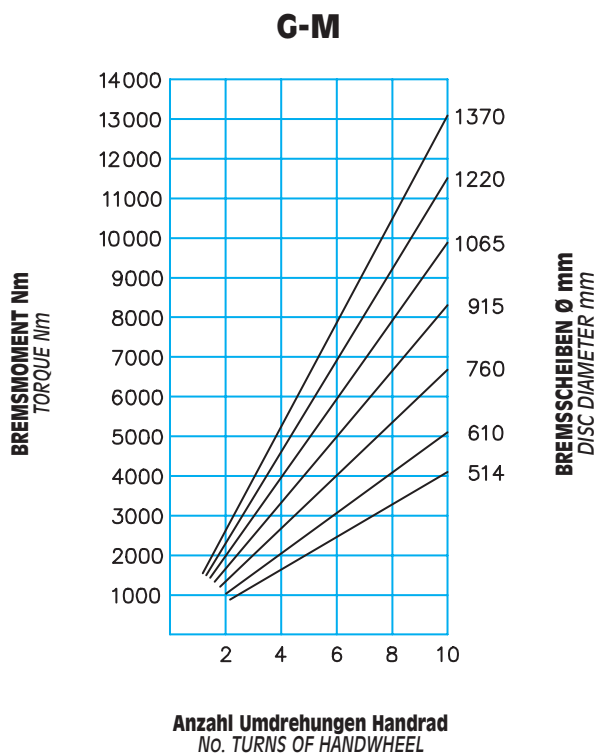
**G-M** 21000 N 10 Umdrehungen Handrad

dyn. Bremsmoment:  
 $= F \cdot (\text{Scheibenradius(m)} - 0.062) = \text{Nm}$

Max. Belagverschleiss: 10 mm

Bremsbelagsdicke (neu): 8 mm

Dauerwärmeleistung: Qc: 14 kW



Technical data

Braking force F:

**G-M** 21000 N 10 turns of handwheel

Dynamic torque  
 $= F \cdot (\text{disc radius in m} - 0.062) = \text{Nm}$

Max total wear: 10 mm

Thickness of new lining: 8 mm

Continuous thermal capacity  
 Qc: 14 kW

