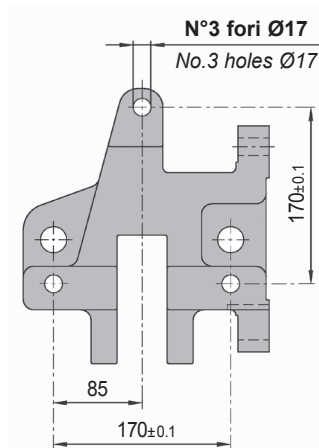
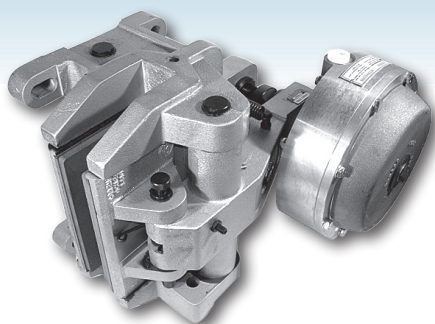
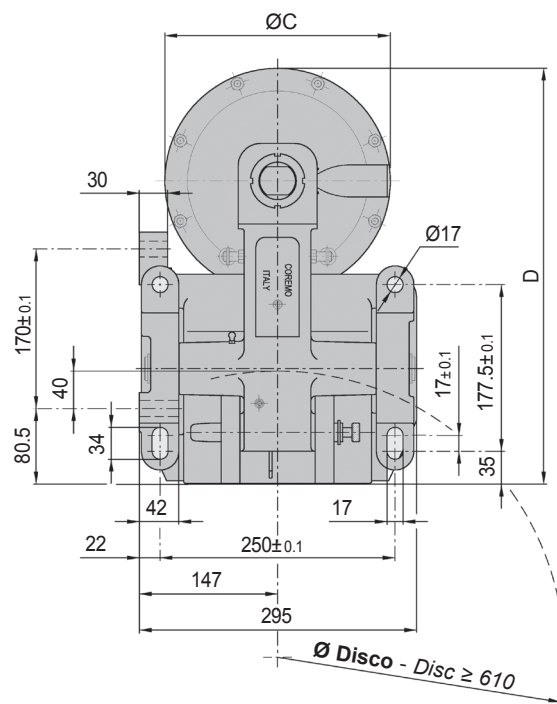
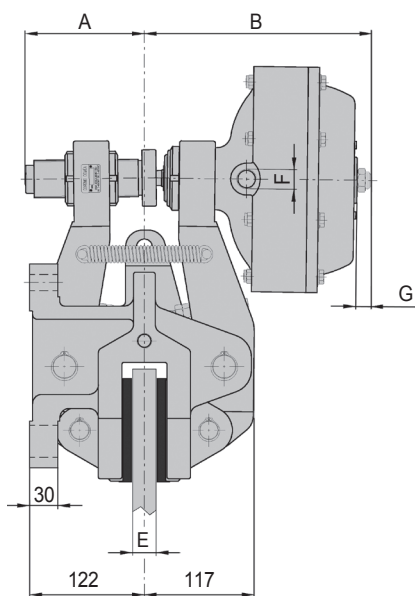


# EL-N



Vista montaggio frontale  
Frontal mounting view



## DIMENSIONI/DIMENSIONS

| TIPO<br>SIZE | Cod. Prodotto<br>Product Number | A   | B   | ØC  | D   | E    | F       | G  | Volume aria<br>Air Volume<br>dm <sup>3</sup> | Peso<br>Weight<br>kg |
|--------------|---------------------------------|-----|-----|-----|-----|------|---------|----|--|----------------------|
| EL-3N        | A3587                           | 126 | 227 | 190 | 418 | 25.4 | 1/2"gas | 14 | 0.7  | 64                   |
|              | A3590                           | 126 | 227 | 190 | 418 | 40   | 1/2"gas | 14 | 0.7  | 64                   |
| EL-3.5N      | A3593                           | 127 | 242 | 240 | 443 | 25.4 | 1/2"gas | 16 | 0.95   | 68.5                 |
|              | A3596                           | 127 | 242 | 240 | 443 | 40   | 1/2"gas | 16 | 0.95   | 68.5                 |
| EL-4N        | A3599                           | 135 | 289 | 280 | 463 | 25.4 | 1/2"gas | 16 | 3  | 73                   |
|              | A3602                           | 135 | 289 | 280 | 463 | 40   | 1/2"gas | 16 | 3  | 73                   |

**Attenzione:** La coppia iniziale può essere dal 30% al 50% in meno rispetto al valore nominale, fino all'assestamento del ferodo sul disco.

**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.

## Dati tecnici

Forza tangenziale F:

|                |         |
|----------------|---------|
| <b>EL-3N</b>   | 14150 N |
| <b>EL-3.5N</b> | 26600 N |
| <b>EL-4N</b>   | 32000 N |

Coppia dinamica  
 $= F \cdot (\text{raggio del disco in m} - 0.065) = \text{Nm}$

Usura max totale: 12 mm

Spessore del ferodo nuovo: 13 mm

Dissipazione del calore in continuo  
 Qc: 20 kW

Pressione minima di apertura: 5 bar

I valori di coppia indicati sono  
 ottenuti con:

n. 8 molle per 3N,

n. 12 molle per 3.5N e 4N.

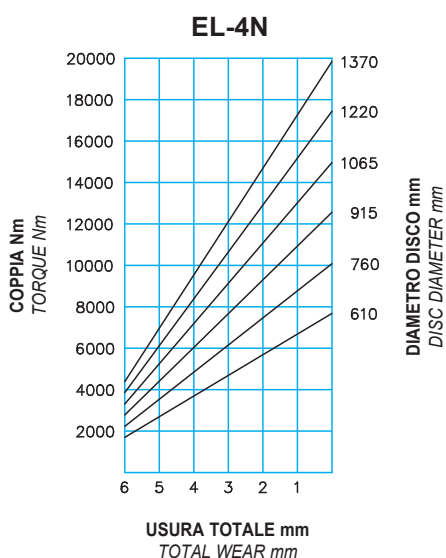
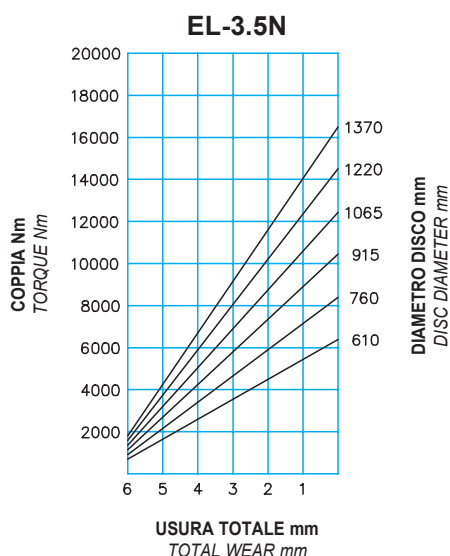
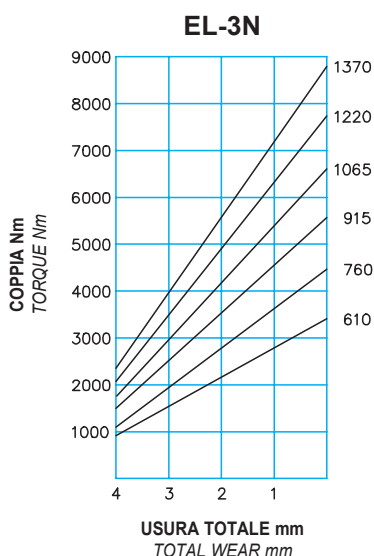
Coppie proporzionalmente inferiori si  
 possono ottenere con:

n. 6-4-2 molle per 3N,

n. 10-8-6 molle per 3.5N e 4N.

Il grafico rappresenta l'andamento  
 della coppia per ogni millimetro  
 di usura dei ferodi.

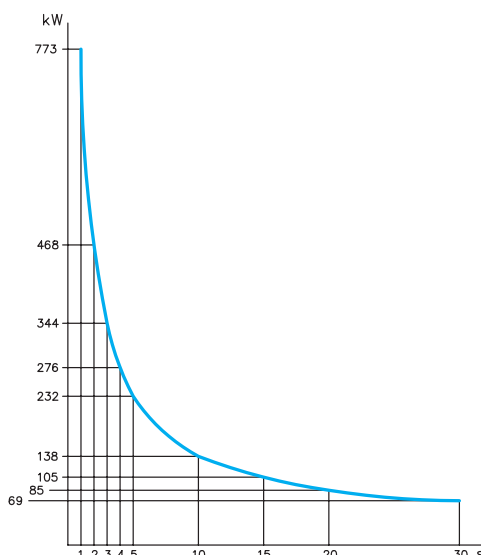
Per ripristinare il valore  
 nominale della coppia intervenire  
 sul sistema di regolazione.



## DIAGRAMMA/CHART

**Dissipazione  
 di calore  
 per frenatura  
 di emergenza**

*Thermal capacity  
 for emergency stop*



## Technical data

Braking force F:

|                |         |
|----------------|---------|
| <b>EL-3N</b>   | 14150 N |
| <b>EL-3.5N</b> | 26600 N |
| <b>EL-4N</b>   | 32000 N |

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

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.