Cleveland Motion Controls
An IMC Company

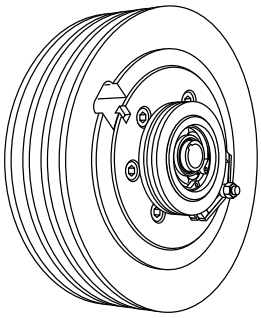
Clutch

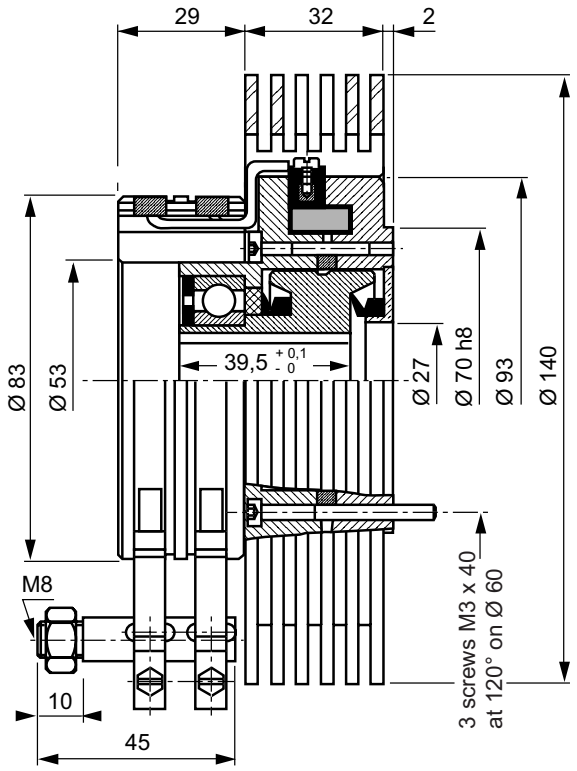
EMAG 4H

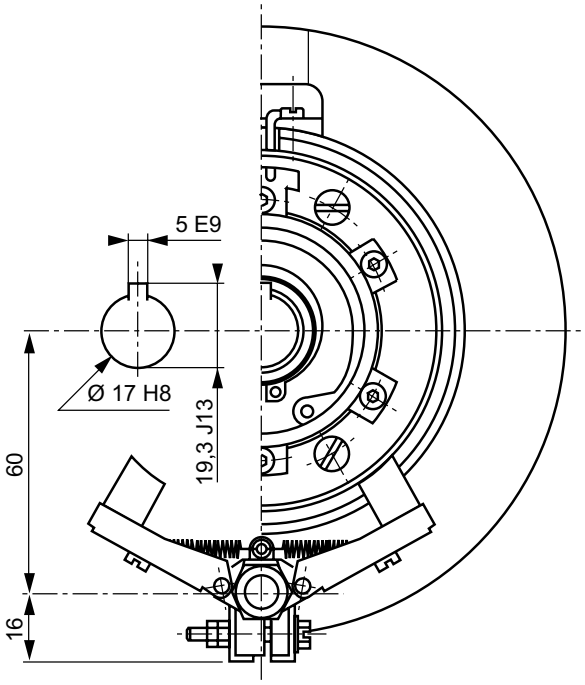
Specifications

Nominal torque	5	N.m	***ft.lbf***	***4***
Minimal torque	0.1	N.m	***ft.lbf***	***0.07***
Coil resistance - 20°C			***W***	***24***
Rated current DC			***A***	***0.50***
Rotor inertia	99.10^{-6}	$kg.m^2$	***lb.ft²***	***$23\ 10^{-4}$***
Weight	2.4	kg	***lb***	***5.3***
Heat dissipation continuous sustained depending on external part rotation speed	***W ****	***100***	***275***	***360***
	(RPM)	0	1000	2000

*Heat dissipation is the mechanichal power ($P = c_W$) maximum allowable.

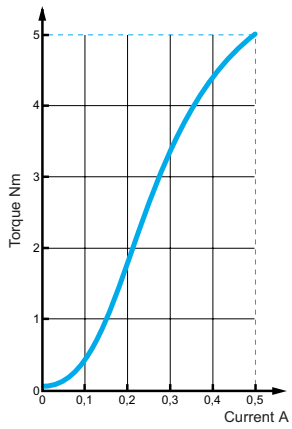






Application Notes

- Mounting must be made without any stress.
  Lubricated for life (other internal lubrication not allowed).
  The shaft should be lubricated upon assembly, to prevent seizing.
- Low DC current power supply for coil.
- The standard device is designed for horizontal shaft orientation, and a minimal speed of 60 RPM. Maximum speed is 3000 RPM. (without exceeding the max. heat dissipation capability).
- For application Engineering, please contact our technical support.
- In normal use, the outside temperature of the device can increase up to 100°C, without damage.

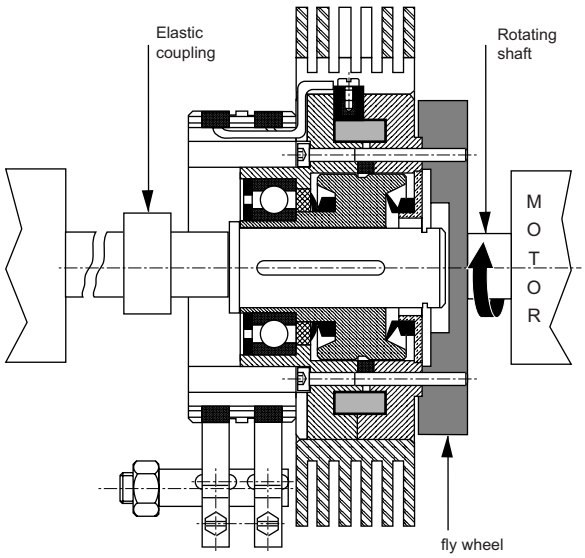


Safety

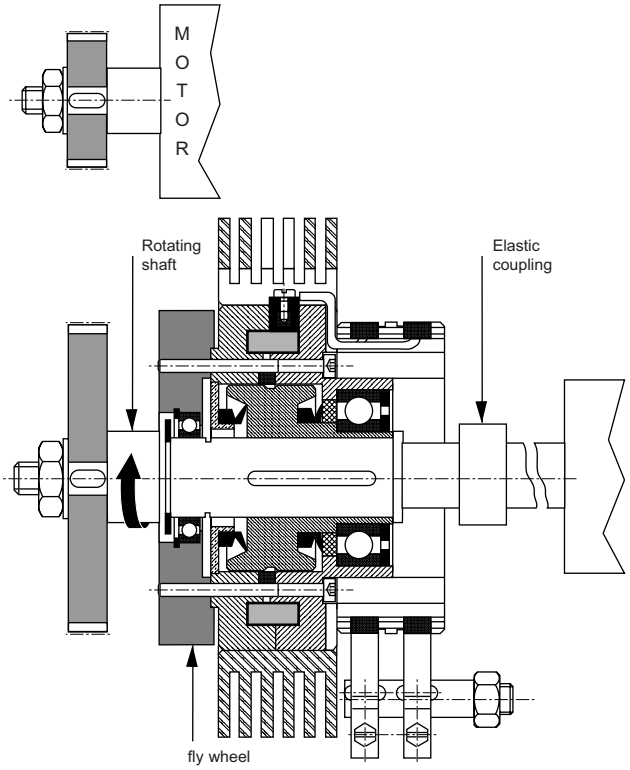
- If the device is to be used in dusty, humid or corrosive environment, special protection needs to be considered.

Recommended mounting principles

In line mounting



Parallel mounting



7550 Hub Parkway • Cleveland, Ohio 44125
ph: 216.524.8800 or 800.321.8072 • fax: 216.642.2199
www.cmccontrols.com • email: literature@cmccontrols.com