

# Clutch

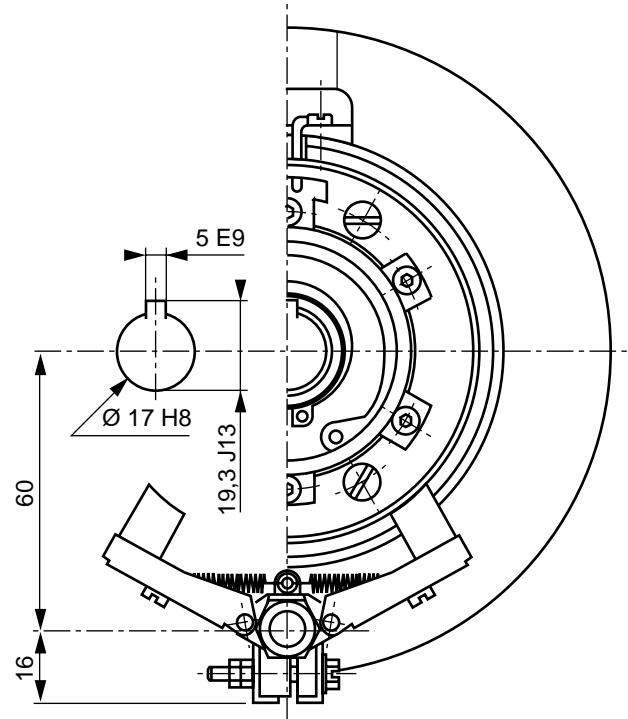
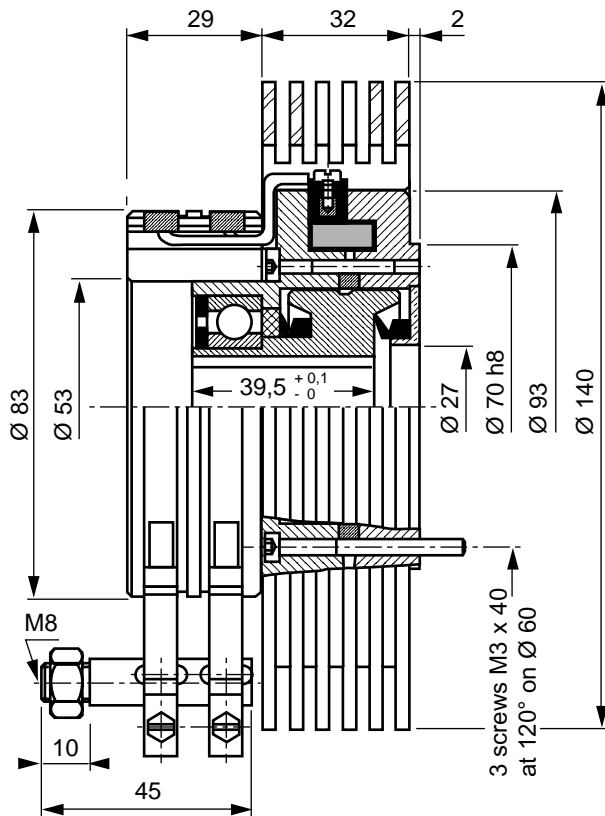
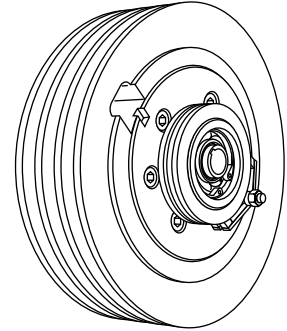
ERAT 50

ref: 313.935.00

## Specifications

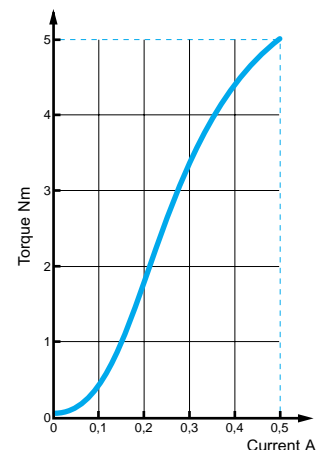
Nominal torque	5	N.m	<i>ft.lbf</i>	<b>4</b>
Minimal torque	0.1	N.m	<i>ft.lbf</i>	<b>0.07</b>
Coil resistance - 20°C			<i>W</i>	<b>24</b>
Rated current DC			<i>A</i>	<b>0.50</b>
Rotor inertia	99.10 <sup>-6</sup>	kg.m <sup>2</sup>	<i>lb.ft<sup>2</sup></i>	<b>23 10<sup>-4</sup></b>
Weight	2.4	kg	<i>lb</i>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

\*Heat dissipation is the mechanical power ( $P = c_w$ ) maximum allowable.



## Utilization

- 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.  
(See MEROBEL Electronic data sheets)
- 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.

## Maintenance

- Two procedures are available:

- Full inhouse maintenance servicing:

**MEROBEL Inc.** after sales  
1705 Valley Road  
Wanamassa, NJ 07712

Ph 732 493 3232  
Fax 732 493 2949

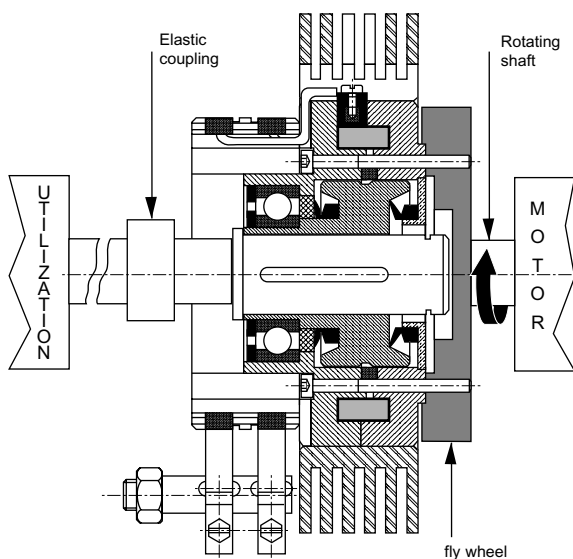
- Spare parts or repair kits (depending on maintenance level)

- Kit (powder, ball bearings, seals, felts)	ref: 313.900.71
- Coil	ref: 313.920.05
- Rotor	ref: 313.900.03
- Collector	ref: 313.910.40
- Equipped brush holder	ref: 314.310.60
- 10 brushes set	ref: 314.310.62

- In any case, our After Sales service is at your disposal.

## Recommended mounting principles

**In line mounting**



**Parallel mounting**

