

Questionnaire

Design of torsionally flexible couplings



Engine:

E-motor Turbine other:

Nominal power: [KW] at speed [min⁻¹]
max. torque: [Nm]
speed: [min⁻¹]
max. rotational speed: [min⁻¹]

Mass moments of inertia (related to the coupling shaft)

J Engine/Drive unit: [Kg*m²] J driven machine: [Kg*m²]

Connection to the drive unit

shaft Ø
other

Connection to the driven machine

shaft Ø
other

Coupling ambient temperature: [°Celsius]

special features:

axial displacement:
vertical displacement:
angular displacement:

Switching capability: Yes No

Frequency of start-up (Value per hour):

Impacts: light(1,5) medium (1,8) heavy (2,0)

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Engine:

Combustion engine

Manufacturer/Make:

Model:

Otto

In-line engine

Diesel

V-engine, V-angle: [°]

2-stroke

4-stroke

No. of cylinders:

4

6

other:

Cylinder displacement/ Cylinder swept volume: [cm³]

(related to cylinder)

ignition intervals:

[°]

Nominal power:

[KW] at speed [min⁻¹]

max. torque :

[Nm] at speed [min⁻¹]

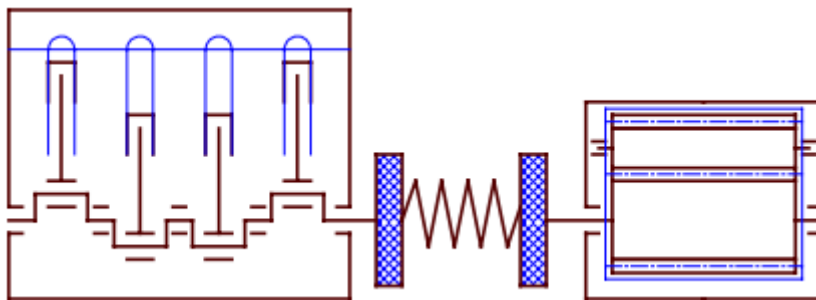
Idle speed:

[min⁻¹]

max. speed:

[min⁻¹]

Mass moments of inertia (related to the coupling shaft)



Drive unit including flywheel

driven machine

J Drive unit including flywheel: [Kg*m²]

J driven machine: [Kg*m²]

Flywheel connection dimensions

SAE
 other

Connection to the driven machine

Shaft Ø
 other

Coupling ambient temperature: [°Celsius]