ARCUSAFLEX-VSK
Data Required for Coupling Size Selection

General

1. Project: _____
2. Application (drive, generator, pump, etc.): _____
3. Operating mode (continuous operation, main drive, auxiliary drive, etc.): _____
4. Place of operation/location: _____ Ambient temperature: T_u _____ [°C]
5. Certification/class/requisite rules for selecting the coupling size: _____
6. Fail-safe device? ☐ with ☐ without

Engine side

1. Engine (manufacturer, designation/type): _____ ☐ Diesel ☐ Gas
2. Engine power (nominal operation): P _____ [kW]
3. Engine speed (nominal speed): n _____ [min⁻¹]
4. Idling speed available? ☐ yes ☐ no
   If adjustable from: n _____ [min⁻¹] to _____ [min⁻¹]
5. If variable speed operation, speed range from: n _____ [min⁻¹] to _____ [min⁻¹]
   ⓘ Please attach corresponding speed/torque/power diagram.
6. Total stroke volume: V_H _____ [ccm] R/V (angle): _____ Number of cylinders: _____
7. Moments of inertia engine incl. damper without flywheel: J _____ [kgm²]
   Moments of inertia flywheel: J _____ [kgm²]
   Total moments of inertia of the engine (incl. damper, flywheel, etc.): J _____ [kgm²]

Drive shaft

1. Cardan shaft (DIN flange) ☐ SPICER drive shaft ☐ MECHANICS drive shaft ☐ Constant velocity shaft ☐
2. Connecting flange: _____
3. Max. deflection angle of installed drive shaft: _____
4. Moments of inertia drive shaft: J _____ [kgm²]

Output side

1. Type (generator, pump transfer case, pump, compressor, …): _____
2. Type (manufacturer, designation): _____
3. Moments of inertia: J _____ [kgm²]
4. Connecting dimensions: _____
   ⓘ For branched systems: System sketch with details of the individual inertias (with details of the reference speed) and transmission ratios.

Installation or mounting position and details of dimensions and details according to the following sketch:

Engine type: Drive shaft: Prime mover model/type:

*SAE size or specified dimension

Installation length VSK
overall installation length