

ENGINE TEST BED QUESTIONNAIRE
for the selection of a Highly Flexible Couplings.

Customer Enquiry Number:Date:.....

NDE Enquiry Number:

Customer:

Address:

..... Postcode:

Contact:

Phone: Fax:

Arrangement of the coupling:

On the engine flywheel Research test rig

On the brake Series test rig

Overload ? yes no Overspeed ? yes no

Driving Unit:

Engine Manufacturer: Type:

Diesel Petrol 4 stroke 2 stroke No. of Cylinders:

In Line "V"-Engine "V"-angle: degrees

Max. Output:HP / kW at max. Speed of n max. =rpm

Max. Torque:Nm at speed of n =rpm

Idling speed n_L =rpm; Firing Speed n_Z =rpm ; Firing Order

Working Volume:Litres ; Stroke:mm; Firing Angles:degrees

Moment of Inertia including flywheel: I =kgm²

If Possible enclose a torque / speed diagram.

Flywheel connecting dimensions:

Pilot Diameter:mm ; Bolt circle diameter:mm

Number of holes:; Hole diameter:mm

Where several engines are involved, we need the data of each engine.

Brake:

Waterbrake Dynamometer Cradle Dynamometer

Others:

Manufacturer: Type:

Moment of Inertia: I = Kgm²

Permissible overhanging weight of connecting parts and distance between flange face and front shaft bearing at maximum test speed:kg mmrpm

Connecting dimensions of the brake flange:

Flange dia: mm; Bolt circle dia: mm

Pilot dia: mm; Pilot male / female: mm

No. of holes:; Plain Threaded holes Hole dia: mm

or:

Shaft dia: mm; Shaft Length: mm; Key dimensionsmm DIN

Universal-Joint Shaft:

U-J shaft existing: yes no

If yes:

Manufacturer: Type:

Flange dia: mm; Bolt circle dia: mm

Pilot dia: mm; Male / female: mm

No. of holes; Hole dia: mm

Max. Deflection angle: degrees

Weight: kg; Length: mm

Overall length including coupling requested: mm

Special Conditions:

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Specifications:

If possible please enclose a drawing of the flywheel and for special connections, a drawing or sketch.