



QUESTIONNAIRE FOR THE APPLICATION OF CLUTCHES AND BRAKES

1. Type of drive unit:

Electric Motor () I.C.Engine () Others _____

2. Capacity and speed of prime mover:

Type _____ KW _____ min-1

3. Type of drive machine:

Lathe () Milling Machine () Others _____

4. Type of drive required:

Feed Gear () Main drive ()

Transverse Gear () Others _____

5. Maximum torque to be transmitted by the clutch:

P (KW)

$$T = 9550 \frac{P}{n}$$

n (min-1)

_____ Nm

6. Speed of the clutch before engagement:

n1 = speed of input shaft _____ min⁻¹

n2 = speed of output shaft _____ min⁻¹

7. Speed of the clutch after engagement:

_____ min⁻¹

8. Clutch engaged at Zero rpm :

Yes () No ()

9. Clutch engaged :

Under load () Without Load ()

10. Acceleration time required :

_____ Sec

11. Number of engagements per hour / day :

12. Moment of inertia (j) of all masses to be accelerated -

- or decelerated referred to Clutch shaft

_____ Kgm²

13. Operating Conditions:

Dry () Wet ()

Horizontal () Vertical ()



14. Shaft diameters:
Input _____ mm. Output _____ mm.
15. Spline/Keyway Details : _____
16. Ambient Temperature : _____
17. Maximum Outer diameter of the Clutch /Brake : _____ mm
18. Maximum Width of the Clutch/Brake: _____
19. Briefly explain your application / purpose of using clutch or Brake,

CUSTOMER DETAILS:

Company Name:

Address:

Contact Person & Designation:

Contact Phone Number & Email: