Jaw Coupling Selection Worksheet

Customer Name: _____________________  Contact Name: _____________________
Phone Number: _____________________  Email Address: _____________________

1. Type of Driver (Electric Motor, Combustion Engine, Gearbox, etc.): ________________
   For combustion engines (not diesel), define type
   Gasoline, Natural Gas, etc.: ___________ Number of cylinders ___________

2. Driver Horse Power: ______  3. Driver or Gearbox (coupling speed) output RPM: __________
   Retrieve the application Service Factor from Page JW-8: ___________ then
   calculate the Selection Torque using the following formula:
   \[
   \text{Torque (in-lbs)} = \frac{\text{HP} \times 63025}{\text{RPM}} \times \text{Service Factor} = \text{Selection Torque} = \text{__________ in-lbs}
   \]

4. Driver Shaft Diameter: _______ Keyway size: KW Height _______ KW Width _______
   Specify Inch or Metric bore, keyway or no keyway, and set screw or no set screw
   If Spline: ANSI B92.1A Specify ________ Teeth, _______/______ Diametral Pitch,
   ________Pressure Angle, ________ Major Diameter, and
   Type of fit (Parallel Side, Flat Root Side, etc)
   DIN Standard (5480) x _______ Major Diameter x ________ Module Number x ________ Teeth
   If Taper Bore: Specify Taper standard and/or supply a drawing of the taper.
   If Hex or Square: Specify with across the flat sides ___________ (inch or metric)

5. Driver Usable Shaft Length: ___________ (Measure from the end of the shaft to any obstruction)

6. Distance between shaft ends (BSE): ________________ (Compare with ‘GAP’ value on page JW-24)

7. Type of Driven Equipment: _____________________

8. Driven Shaft Diameter: _______ Keyway size: KW Height _______ KW Width _______
   Specify spline, taper, or hex/square as detailed in item 4.

9. Driven Usable Shaft Length: ___________ (Measure from the end of the shaft to any obstruction)

10. Total Mounting Length: _______________ (Advise of any obstructions, walls, beams, guards, pipes, etc.)

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