

Commodity Description

Item	High-Speed Coupling Sets for Compressor Test Facility
Description	<p>A. GENERAL</p> <ol style="list-style-type: none"> 1. Transfers torque and power from one shaft to the other shaft. 2. Couplings accomplish parallel and angular misalignment of two shafts. 3. The shaft rotates 0 to 70,000 rpm. 4. The type of coupling is flexible diaphragm coupling. 5. Support and warrant from headquarter office. <p>B. COMPONENTS</p> <ol style="list-style-type: none"> 1. Coupling set consists of 2 of coupling hub and 1 of spacer shaft. 2. Requirement : 3 sets <p>C. SPECIFICATIONS</p> <ol style="list-style-type: none"> 1. Nominal Rating : 100 Nm, 70,000 rpm 2. Maximum Speed : 72,000 rpm 3. Critical Speed : Over 178,000 rpm 4. Maximum Steady Torque : Over 160 Nm 5. Peak Instantaneous Torque : Over 287 Nm 6. Spacer Shaft Length : 100 mm 7. Shaft Diameter Nominal : 17mm 8. Shaft End Type : Splined DIN 5480 - 17 x 1 x 15 x 7H 8f (All shaft ends are identical.) <p style="text-align: center;">< In case of Nominal Length 50mm ></p> <ol style="list-style-type: none"> 1. Effective Half Mass of Coupling : Below 0.24kg 2. Total Moment of Inertia : Below 0.00015 kgm² 3. Axial Deflection : Within ± 0.37 mm 4. Parallel Misalignment : Below 0.36 mm 5. Angular misalignment : Within ± 0.2° 6. Axial Stiffness : About 320 N/mm 7. Bending Stiffness : About 230 Nm/rad 8. Torsion Flexibility : About 1.08x10⁻⁴ rad/Nm 9. Large length increases need special consideration. <p>D. WARRANTY : 12 months from a successful acceptance or 18 months from delivery Responsible for all problems of facility caused by rupture of coupling</p>