

2000 NM TCVJ(R) 2500 RPM AT 15 DEGREE ANGLE COUPLING

Product Code: 2C-15



COMMON USES

- True constant velocity high angle shaft coupling through all angles and rotation and articulation
- Maximum working articulation angle of 15 degrees. Coupling does provide a stroke limiting device to prevent angle being exceeded.
- Nominal torque rating of 2,000Nm (1)
- Maximum peak torque rating of 5,000 Nm for short duration periods.
- Maximum speed of rotation 2,500 rpm.
- Generation and excitation of vibration forces is minimised through patented spherical dividing mechanism providing true constant velocity rotation.
- True point centricity enabling pivoting applications to be fully realised
- High torsional and radial rigidity. Axial length compensation can be achieved by appropriate splined shaft connections or similar if required.
- High axial rigidity feature allows for axial load transfer. eg transfer of thrust loads.
- Combine two TCVJ couplings with a splined connecting shaft to provide axial and radial misalignment applications up to 15 degree angles.
- No requirement for phased or parallel connecting flanges as with traditional UJ technology.
- Minimal heat generation from roller bearing componentry unlike traditional cv joint technology thus providing highest efficiency and maximum service life at high speeds AND full angle.
- TCVJ Joint is corrosion protected
- (1) Actual bearing life depends on combination of factors including equivalent speed, torque and angle as well as shock loads, relubrication frequency and environmental conditions

500 NM TCVJ(R) 2500 RPM AT 15 DEGREE ANGLE COUPLING

Product Code: 5B-15



COMMON USES

- True constant velocity high angle shaft coupling through all angles of rotation and articulation.
 - Maximum working articulation angle of 20 degrees. Coupling does provide a stroke limiting device to prevent angle being exceeded.
 - Nominal torque rating of 500Nm. (1)
 - Maximum peak torque rating of 1,200 Nm for short duration periods.
 - Maximum speed of rotation 3,000 rpm.
 - Generation and excitation of vibration forces is minimised through patented spherical dividing mechanism providing true constant velocity rotation.
 - True point centricity enabling pivoting applications to be fully realised.
 - High torsional and radial rigidity. Axial length compensation can be achieved by appropriate splined shaft connections or similar if required.
 - High axial rigidity feature allows for axial load transfer eg transfer of thrust loads.
 - Combine two TCVJ couplings with a splined connecting shaft to provide axial and radial misalignment applications up to 20 degree angles.
 - No requirement for phased or parallel connecting flanges as with traditional UJ technology.
 - Minimal heat generation from roller bearing componentry unlike traditional cv joint technology thus providing highest efficiency and maximum service life at high speeds AND full angle.
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8000NM TCVJ(R) 1000 RPM AT 10 DEGREE ANGLE COUPLING

Product Code: 8C-10



COMMON USES

- True constant velocity high angle shaft coupling through all angles and rotation and articulation.
- Maximum working articulation angle of 10 degrees. Coupling does provide a stroke limiting device to prevent angle being exceeded.
- Nominal torque rating of 8,000Nm (1)
- Maximum peak torque rating of 20,000 Nm for short duration periods.
- Maximum speed of rotation 1,000 rpm.
- Generation and excitation of vibration forces is minimised through patented spherical dividing mechanism providing true constant velocity rotation.
- True point centricity enabling pivoting applications to be fully realised.
- High torsional and radial rigidity. Axial length compensation can be achieved by appropriate splined shaft connections or similar if required.
- High axial rigidity feature allows for axial load transfer. eg transfer of thrust loads.
- Combine two TCVJ couplings with a splined connecting shaft to provide axial and radial misalignment applications up to 10 degree angles.
- No requirement for phased or parallel connecting flanges as with traditional UJ technology.
- Minimal heat generation from roller bearing componentry unlike traditional cv joint technology thus providing highest efficiency and maximum service life at high speeds AND full angle.
- TCVJ is corrosion protected
- (1)Actual bearing life depends on combination of factors including equivalent speed, torque and angle as well as shock loads, relubrication frequency and environmental conditions.