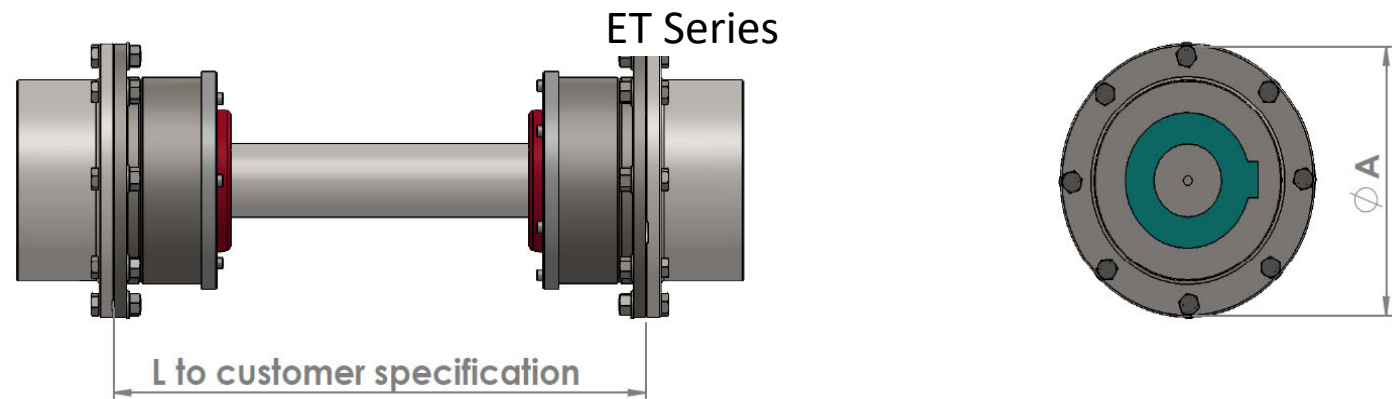


TCAE-ET SERIES: SPECIFICATIONS								
PARAMETERS	UNIT	TCAE- ET -1	TCAE- ET -2	TCAE- ET -3	FOR THE TCAE-ET-4 & TCAE-ET-5	TCAE- ET -6	FOR THE TCAE-ET-7	
CONTINUOUS TORQUE, T ₁₀₀	N.m	408	826	1,443		CHECK WITH THOMPSON COUPLINGS OR DISTRIBUTOR	3,823	CHECK WITH THOMPSON COUPLINGS OR DISTRIBUTOR
NOMINAL POWER CAP AT: (Based on machine service factor of 1.25 service life of 7,200 Hours)	1000 RPM	kW***	12	30	49		166	
	1500 RPM	kW***	17	42	68		230	
	MAX RPM	kW***	3,000 rpm 30kW	3,000 rpm 30kW	3,000 rpm 30kW		3,000 rpm 30kW	
MAXIMUM MISALIGNMENT ANGLE	DEGREE °	10	10	10		10		
MAXIMUM PARALLEL SHAFT OFFSET	mm	DEPENDANT ON CUSTOMER LENGTH						
MAXIMUM SERVICE TEMPERATURE	°C	120	120	120		120		
SERVICE LIFE		AS PER CUSTOMER APPLICATION						
DEMENSION ØA	mm	152	180	225		260		
DEMENSION L (MINIMUM)	mm	150	160	165		195		
AXIAL EXPANSION	+/- mm	16	20	24		29		



PARAMETERS	UNIT	TCAE- ET -8	TCAE- ET -10	TCAE- ET -12
CONTINUOUS TORQUE, T ₁₀₀	N.m	7,741	18,115	35,598
NOMINAL POWER CAP AT: (Based on machine service factor of 1.25 service life of 7,200 Hours)	1000 RPM	kW***	316	591
	1500 RPM	kW***	442	1,161
	MAX RPM	kW***	2,200 rpm 560 Kw	1,500 730kW
MAXIMUM MISALIGNMENT ANGLE	DEGREE °	10	10	10
MAXIMUM PARALLEL SHAFT OFFSET	mm	DEPENDANT ON CUSTOMER LENGTH		
MAXIMUM SERVICE TEMPERATURE	°C	120	120	560
SERVICE LIFE		AS PER CUSTOMER APPLICATION		
DEMENSION ØA	mm	320	450	560
DEMENSION L (MINIMUM)	mm	245	320	344
AXIAL EXPANSION	+/- mm	35	40	46

Thompson Coupling Alignment Eliminator (TCAE-ET-1) Technical Specifications and Details

Continuous Torque, $T_{100}^{(4)}$	408 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	Dependent on shaft length
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #1615. Shaft size range 16mm - 65mm (0.625" - 2.5")
Max Swing Diameter	152 mm
Overall Length	150 mm Min 2000 mm Max
Weight	Dependent on customer application by shaft length

(1) Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours.

(2) Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

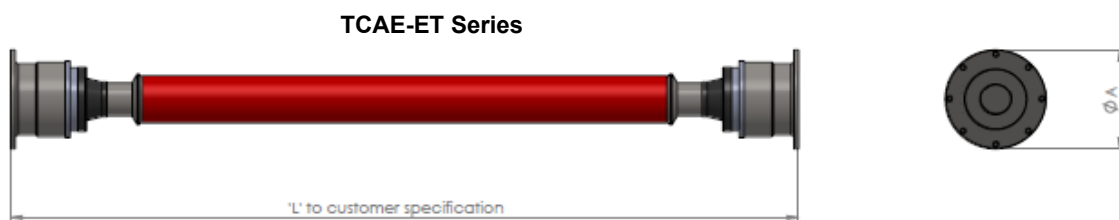
(3) Maximum power cap. subject to shaft length.

(4) Continuous Torque, T_{100} is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.

II. The coupling does not need maintenance or lubrication once installed.



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Thompson Coupling Alignment Eliminator (TCAE-ET-2) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	826 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	Dependent on shaft length
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #2012. Shaft size range 16mm - 65mm (0.625" - 2.5")
Max Swing Diameter	180 mm
Overall Length	160 mm Min 2000 mm Max
Weight	Dependent on customer application by shaft length

(1) Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours.

(2) Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

(3) Maximum power cap. subject to shaft length.

(4) Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.

II. The coupling does not need maintenance or lubrication once installed.



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Thompson Coupling Alignment Eliminator (TCAE-ET-3) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	1,443 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	+/- 7 mm
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #3020
Max Swing Diameter	225 mm
Overall Length	165 mm Min 2000 mm Max
Weight	Dependent

⁽¹⁾ Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours.

⁽²⁾ Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

⁽³⁾ Maximum rated speed.

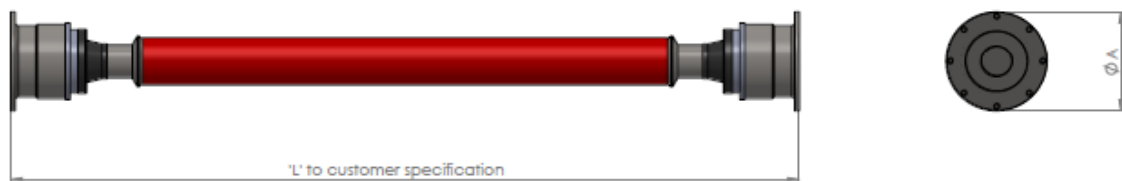
⁽⁴⁾ Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.

II. The coupling does not need maintenance or lubrication once installed.

TCAE-ET Series



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Thompson Coupling Alignment Eliminator (TCAE-ET-6) Technical Specifications and Details

Continuous Torque, $T_{100}^{(5)}$	3,823 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	Dependent on shaft length
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #3525.
Max Swing Diameter	260 mm
Overall Length	195 mm Min 2000 mm Max
Weight	Dependent on customer application by shaft length

⁽¹⁾ Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours.

⁽²⁾ Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

⁽³⁾ Maximum rated speed.

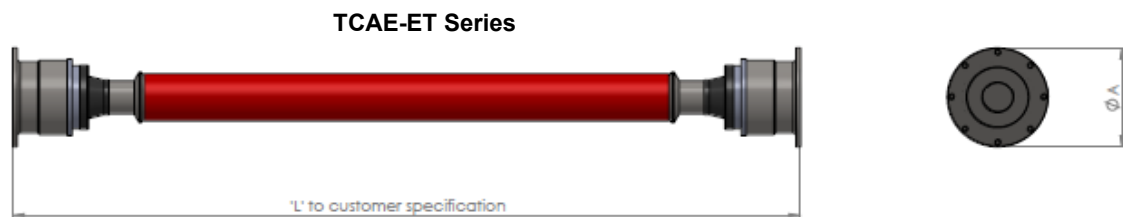
⁽⁴⁾ Maximum power cap. subject to shaft length.

⁽⁵⁾ Continuous Torque, T_{100} is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.

II. The coupling does not need maintenance or lubrication once installed.



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Thompson Coupling Alignment Eliminator (TCAE-ET-8) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	7,741 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	+/- 9 mm
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #4535
Max Swing Diameter	320 mm
Distance between Shaft Ends	245 mm Min. 2000 mm Max.
Weight Depends on Shaft Size	

⁽¹⁾ Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours.

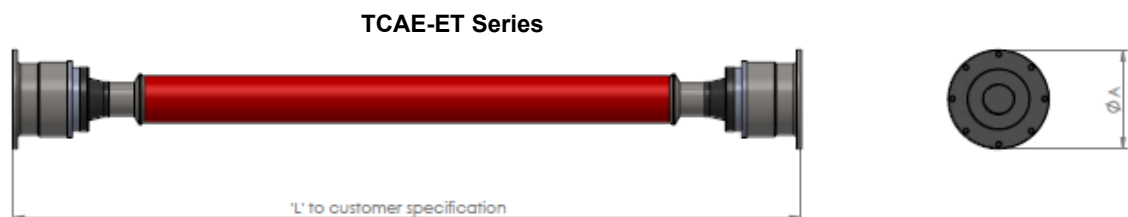
⁽²⁾ Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

⁽³⁾ Maximum rated speed.

⁽⁴⁾ Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

- I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- II. The coupling does not need maintenance or lubrication once installed.



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Thompson Coupling Alignment Eliminator (TCAE-ET-10) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	18,115 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	+/- 7 mm
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #6050
Max Swing Diameter	450 mm
Distance between Shaft Ends	320 mm Min. 2000 mm Max
Overall Length	423 mm
Weight	Dependent on Length of Shaft

⁽¹⁾ Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours

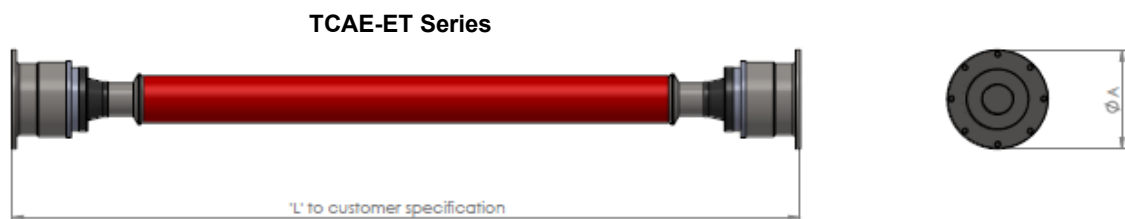
⁽²⁾ Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

⁽³⁾ Maximum rated speed.

⁽⁴⁾ Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

- I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- II. The coupling does not need maintenance or lubrication once installed.



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Thompson Coupling Alignment Eliminator (TCAE-ET-12) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	35,598 Nm
Max. Misalignment Angle	+/- 5°
Max. Parallel Shaft Offset	+/- 7 mm
L₁₀ bearing life ⁽²⁾	Contact us for your specific application
Max. Service Temperature	Up to 120 °C continuous
Connection Details	Keyed shaft via taper lock bush #6050
Max Swing Diameter	560 mm
Distance between Shaft Ends	344 mm Min. 2000 mm Max
Overall Length	423 mm
Weight	Dependent on Length of Shaft

⁽¹⁾ Nominal power capacity shown for different speeds is based on a coupling with a machine service factor of 1.25 operating at 1-degree misaligned angle and operating at 8 hours per day, 25 days per month for 3 years to give a service life of 7,200 hours

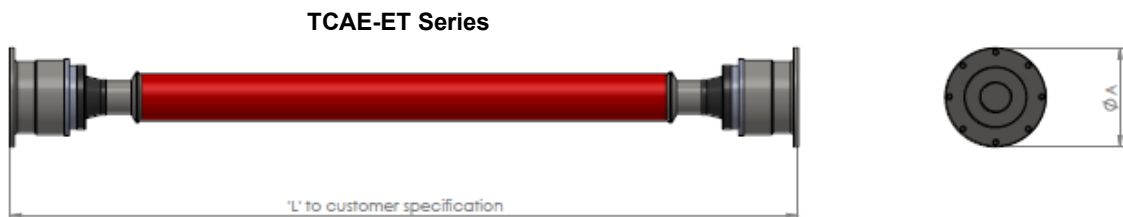
⁽²⁾ Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.

⁽³⁾ Maximum rated speed.

⁽⁴⁾ Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

Notes:

- I. The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- II. The coupling does not need maintenance or lubrication once installed.



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