

TCAE-E SERIES: SPECIFICATIONS								
PARAMETERS	UNIT	TCAE-E-1	TCAE-E-2	TCAE-E-3	TCAE-E-4	TCAE-E-5	TCAE-E-6	TCAE-E-7
CONTINUOUS TORQUE, T ₁₀₀	N.m	408	826	1,443	2,247	3,686	3,823	5,898
NOMINAL POWER CAP AT: (Based on machine service factor of 1.25 service life of 7,200 Hours)	1000 RPM	kW***	12	30	49	77	124	240
	1500 RPM	kW***	17	42	68	106	172	334
	MAX RPM	kW***	3,000 rpm 30kW	3,000 rpm 30kW	3,000 rpm 30kW	3,000 rpm 30kW	3,000 rpm 30kW	3,000 rpm 30kW
MAXIMUM MISALIGNMENT ANGLE	DEGREE °	10	10	10	10	10	10	10
MAXIMUM PARALLEL SHAFT OFFSET	mm	DEPENDANT ON CUSTOMER LENGTH						
MAXIMUM SERVICE TEMPERATURE	°C	120	120	120	120	120	120	120
SERVICE LIFE		AS PER CUSTOMER APPLICATION						
DEMENSION ØA	mm	152	179	215	236	270	244	272
DEMENSION L (MINIMUM)	mm	150	160	175	210	240	260	300
AXIAL EXPANSION	+/- mm	16	20	24	27	29	29	30



PARAMETERS	UNIT	TCAE-E-8	TCAE-E-9	TCAE-E-10	TCAE-E-11	TCAE-E-12	TCAE-E-13	TCAE-E-14
CONTINUOUS TORQUE, T ₁₀₀	N.m	7,741	12,217	18,115	25,909	35,598	47,604	66,983
NOMINAL POWER CAP AT: (Based on machine service factor of 1.25 service life of 7,200 Hours)	1000 RPM	kW***	316	403	591	840	1,161	1,823
	1500 RPM	kW***	442	559				
	MAX RPM	kW***	2,200 rpm 560 Kw	2,000rpm 580 kW	1,500 730kW	1,400 rpm 973 kW	1,200 rpm 1,254 kW	1,000 rpm 1,550 kW
MAXIMUM MISALIGNMENT ANGLE	DEGREE °	10	10	10	10	10	10	10
MAXIMUM PARALLEL SHAFT OFFSET	mm	DEPENDANT ON CUSTOMER LENGTH						
MAXIMUM SERVICE TEMPERATURE	°C	120	120	120	120	120	120	120
SERVICE LIFE		AS PER CUSTOMER APPLICATION						
DEMENSION ØA	mm	292	336	376	420	462	504	580
DEMENSION L (MINIMUM)	mm	420	460	560	550	600	600	650
AXIAL EXPANSION	+/- mm	35	40	40	44	46	50	50

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

Continuous Torque, T₁₀₀⁽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.

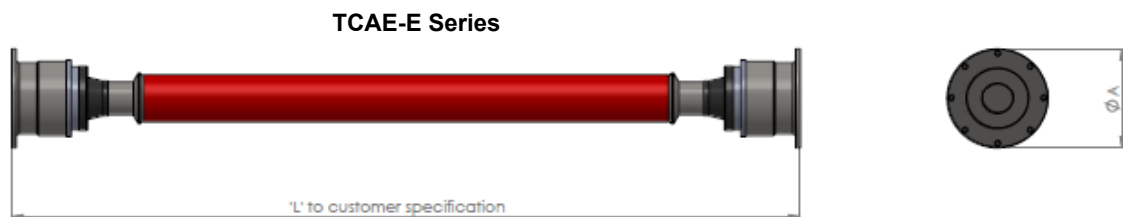
⁽³⁾ Maximum power cap. subject to shaft length.

⁽⁴⁾ Continuous Torque, 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-E-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 #2517. Shaft size range 16mm - 65mm (0.625" - 2.50")
Max Swing Diameter	179 mm
Overall Length	170 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-E-3) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	1,443 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 #3020. Shaft size range 25mm - 75mm (1.00" – 3.00")
Max Swing Diameter	215 mm
Overall Length	715 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.

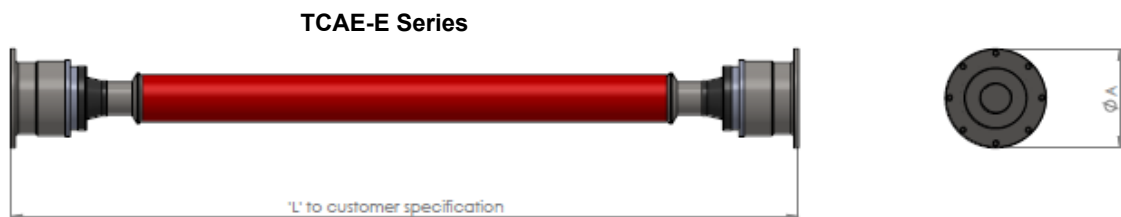
⁽³⁾ Maximum power cap. subject to shaft length.

⁽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-E-4) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	2,243 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. Shaft size range 35mm - 100mm (1.50" - 4.00")
Max Swing Diameter	236 mm
Overall Length	210 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.

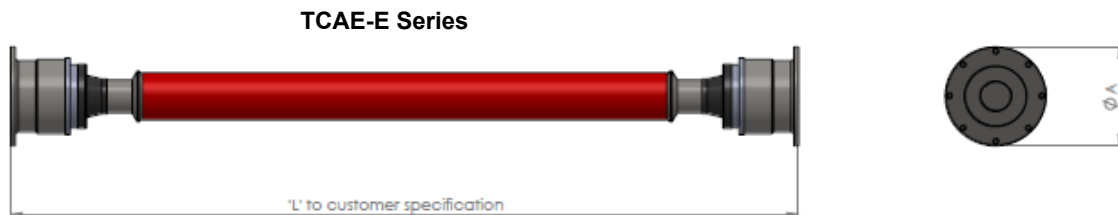
⁽³⁾ Maximum power cap. subject to shaft length.

⁽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-E-5) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁴⁾	3,686 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. Shaft size range 35mm-100mm (1.50" – 4.00")
Max Swing Diameter	270 mm
Overall Length	240 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.

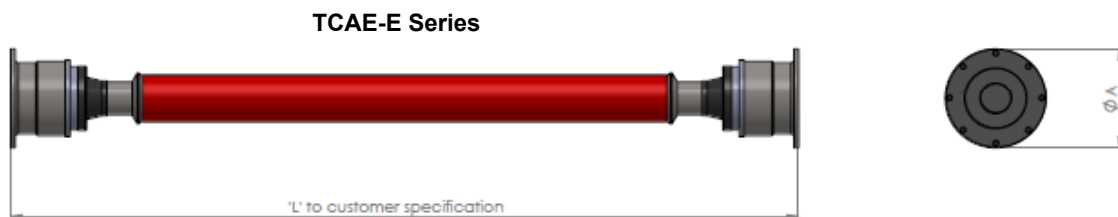
⁽³⁾ Maximum power cap. subject to shaft length.

⁽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-E-6) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽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. Shaft size range 35mm - 100mm (1.50" - 4.00")
Max Swing Diameter	244 mm
Overall Length	260 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.

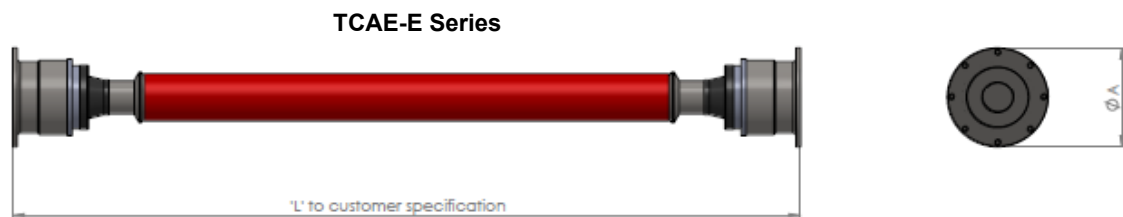
⁽⁴⁾ Maximum power cap. subject to shaft length.

⁽⁵⁾ Continuous Torque, 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-E-7) Technical Specifications and Details

Continuous Torque, T₁₀₀ ⁽⁵⁾	5,898 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. Shaft size range 35mm - 100mm (1.50" - 4.00")
Max Swing Diameter	272 mm
Overall Length	300 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.

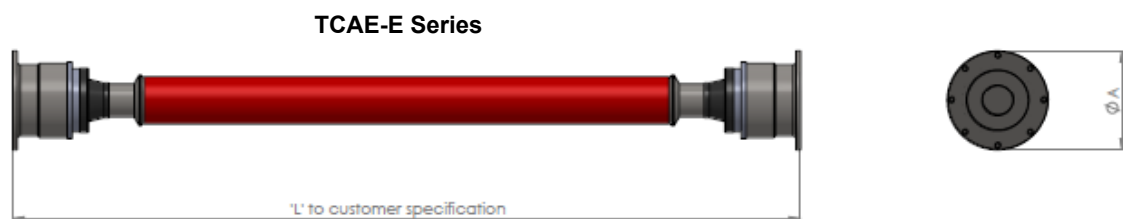
⁽⁴⁾ Maximum power cap. subject to shaft length.

⁽⁵⁾ Continuous Torque, 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-E-8) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁵⁾	7,741 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. Shaft size range 35mm - 100mm (1.50" - 4.00")
Max Swing Diameter	292 mm
Overall Length	420 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.

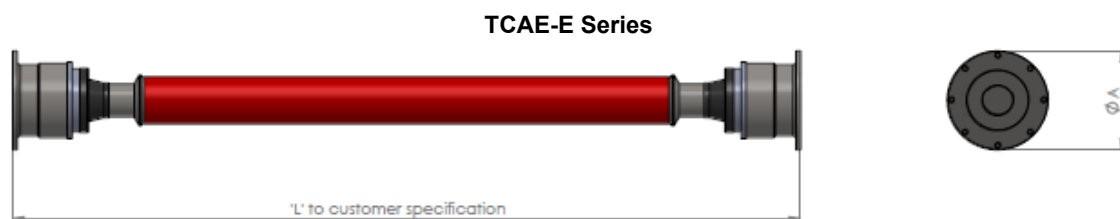
⁽⁴⁾ Maximum power cap. subject to shaft length.

⁽⁵⁾ Continuous Torque, 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-E-9) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁵⁾	12,217 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
Connection Details	336 mm flange
Max Swing Diameter	336 mm
Overall Length	460 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.

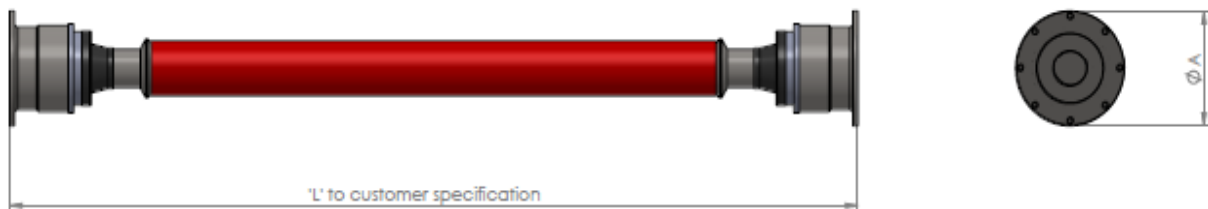
(4) Maximum power cap. subject to shaft length.

(5) Continuous Torque, 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 requires low maintenance and lubrication once installed.

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

Continuous Torque, T₁₀₀⁽⁵⁾	18,115 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
Connection Details	376 mm flange
Max Swing Diameter	376 mm
Overall Length	560 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.

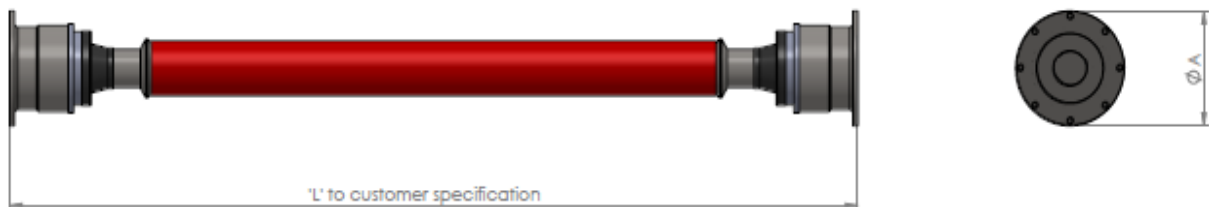
(5) Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

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 requires low maintenance and lubrication once installed.

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Thompson Coupling Alignment Eliminator (TCAE-E-11) Technical Specifications and Details

Continuous Torque, T₁₀₀ ⁽⁵⁾	25,909 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
Connection Details	420 mm flange
Max Swing Diameter	420 mm
Overall Length	550 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.

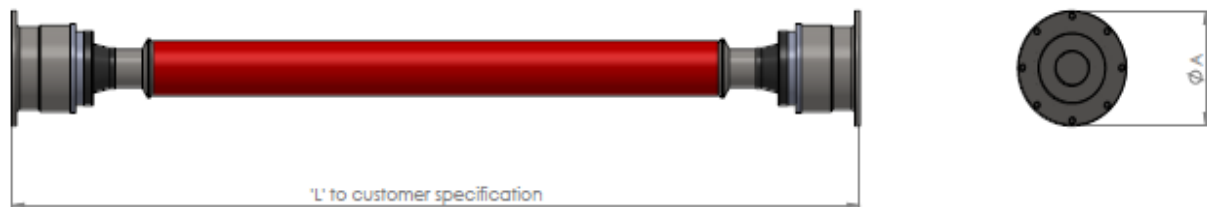
(4) Maximum power cap. subject to shaft length.

(5) Continuous Torque, 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 requires low maintenance and lubrication once installed.

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

Continuous Torque, $T_{100}^{(5)}$	35,598 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
Connection Details	462 mm flange
Max Swing Diameter	462 mm
Overall Length	600 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.

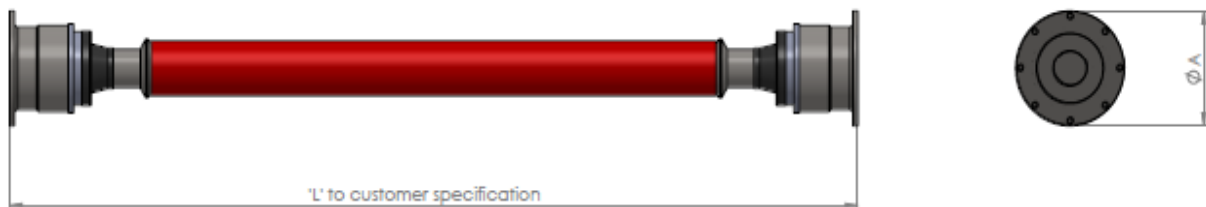
(5) Continuous Torque, T_{100} is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

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 requires low maintenance and lubrication once installed.

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Thompson Coupling Alignment Eliminator (TCAE-E-13) Technical Specifications and Details

Continuous Torque, T₁₀₀⁽⁵⁾	47,604 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
Connection Details	504 mm flange
Max Swing Diameter	504 mm
Overall Length	600 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.

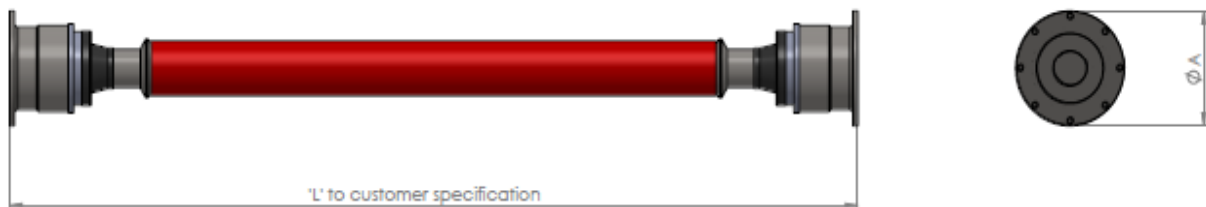
(5) Continuous Torque, T₁₀₀ is defined as the unfactored torque value when run for 8 hours per day and 25 days per month at 100 rpm with a 0° coupling angle and machine service factor of 1 will give 3 years continuous service life.

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 requires low maintenance and lubrication once installed.

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Thompson Coupling Alignment Eliminator (TCAE-E-14) Technical Specifications and Details

Continuous Torque, T₁₀₀ ⁽⁵⁾	66,983 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
Axial expansion	+/- 50 mm
Connection Details	580 mm flange
Max Swing Diameter	580 mm
Overall Length	650 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.

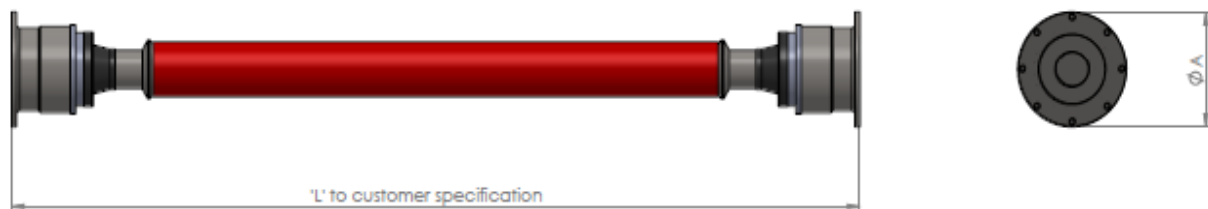
(4) Maximum power cap. subject to shaft length.

(5) Continuous Torque, 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 requires low maintenance and lubrication once installed.

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