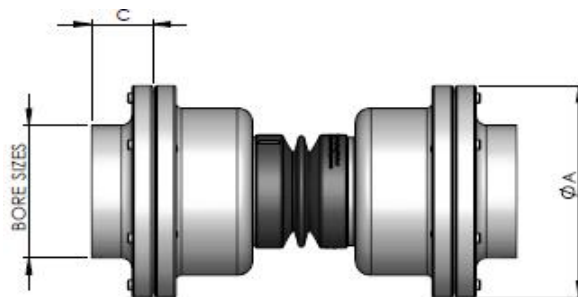
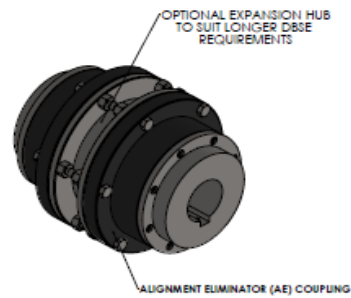
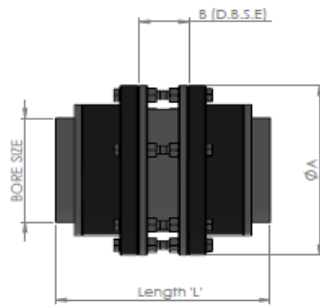


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COUPLINGS

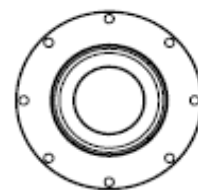
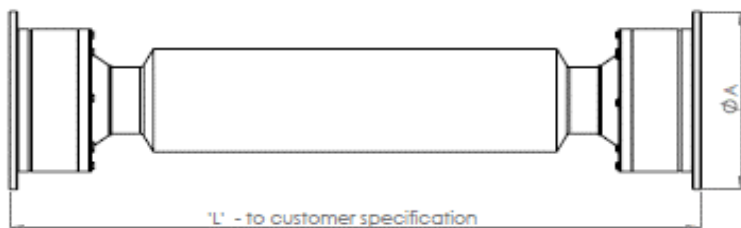
**TCAE NORMAL SERIES**

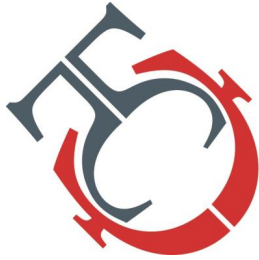


**TCAE T SERIES**



**TCAE CM SERIES**





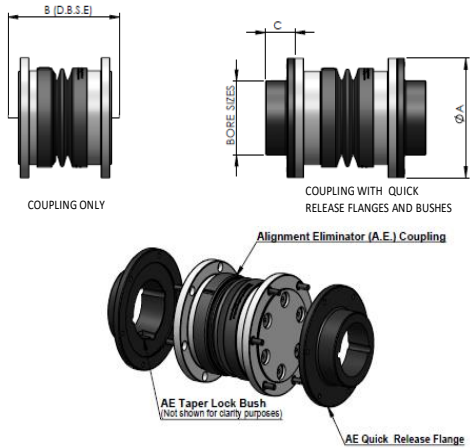
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# TCAE NORMAL SERIES – TECHNICAL SPECIFICATIONS

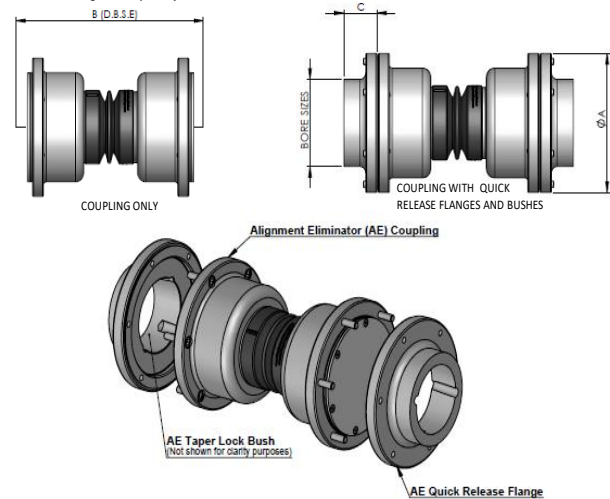
PARAMETERS	UNIT	TCAE-1	TCAE-2	TCAE-2LR	PARAMETERS	UNIT	TCAE-3	TCAE-4	TCAE-5	PARAMETERS	UNIT	TCAE-6	TCAE-7	TCAE-8
MAXIMUM MISALIGNMENT ANGLE	Degree °	5	10	10	MAXIMUM MISALIGNMENT ANGLE	Degree °	10	10	10	MAXIMUM MISALIGNMENT ANGLE	Degree °	10	10	10
MINIMUM MISALIGNMENT ANGLE	Degree °	0	0	0	MINIMUM MISALIGNMENT ANGLE	Degree °	0	0	0	MINIMUM MISALIGNMENT ANGLE	Degree °	0	0	0
MAXIMUM PARALLEL SHAFT OFFSET	E mm	3	5	5	MAXIMUM PARALLEL SHAFT OFFSET	E mm	8	8	8	MAXIMUM PARALLEL SHAFT OFFSET	E mm	16	16	17
MAXIMUM SERVICE TEMPERATURE	°C	120	120	120	MAXIMUM SERVICE TEMPERATURE	°C	120	120	120	MAXIMUM SERVICE TEMPERATURE	°C	120	120	120
SERVICE LIFE		As per customer application			SERVICE LIFE		As per customer application			SERVICE LIFE		As per customer application		
DIMENSION $\Phi A$	mm	117	148	178	DIMENSION $\Phi A$	mm	215	253	278	DIMENSION $\Phi A$	mm	300	330	370
DIMENSION B NOMINAL D.B.S.E. (range) current	mm	82 to 90	133 to 147	162 to 178	DIMENSION B NOMINAL D.B.S.E. (range) current	mm	285 to 305	285 to 305	300 to 330	DIMENSION B NOMINAL D.B.S.E. (range) current	mm	320-345	330-358	340-370
DIMENSION B NOMINAL D.B.S.E. (range) low range	mm	82 to 90	130 to 147	136 to 162	DIMENSION B NOMINAL D.B.S.E. (range) low range	mm	263 to 288	276 to 285	276 to 300	DIMENSION B NOMINAL D.B.S.E. (range) low range	mm	291 to 312	310 to 330	326 to 344
DIMENSION C	mm	34	48	48	DIMENSION C	mm	61	74	74	DIMENSION C	mm	74	74	74
BORE SIZES	mm	14 to 50	16 to 60	16 to 60	BORE SIZES	mm	25 to 75	35 to 95	35 to 95	BORE SIZES	mm	35 to 100	35 to 100	35 to 100
	inch	0.75 to 2.00	0.75 to 2.50	0.75 to 2.50		inch	1.25 to 3.00	1.50 to 4.00	1.50 to 4.00		inch	1.50 to 4.00	1.50 to 4.00	1.50 to 4.00
ALLOWABLE TORQUE (Dynamic & Unfactored)	N.m	390	630	1470	ALLOWABLE TORQUE (Dynamic & Unfactored)	N.m	2890	4000	5880	ALLOWABLE TORQUE (Dynamic & Unfactored)	N.m	7550	10,700	15800
UNFACTORED. POWER CAP (AT 1440 RPM)	kW	15	30	80	UNFACTORED. POWER CAP (AT 1440 RPM)	kW	120	200	300	UNFACTORED. POWER CAP (AT 600 RPM)	kW	475	650	975

\* Taper Lock Bush sold separately  
\* Quick Release Flange sold separately

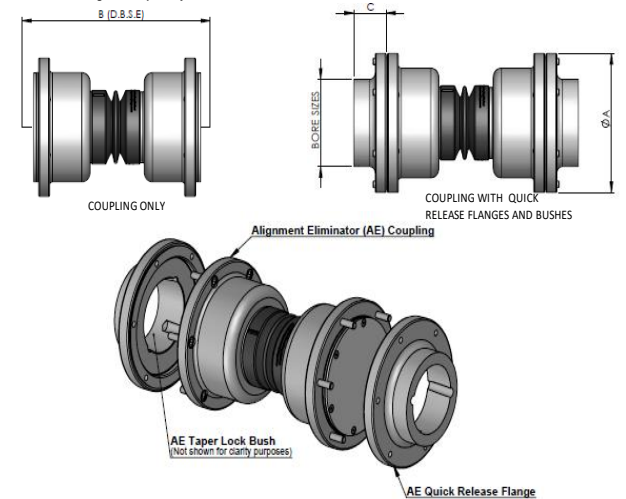


Rev.14  
March 4th 2019

\* Taper Lock Bush sold separately  
\* Quick Release Flange sold separately



\* Taper Lock Bush sold separately  
\* Quick Release Flange sold separately

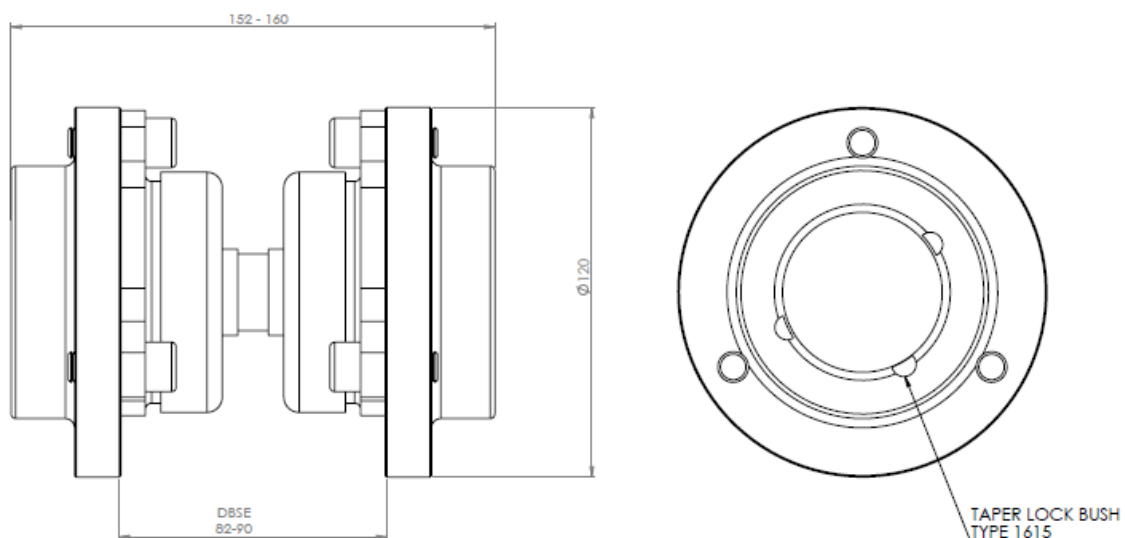


## Thompson Coupling Alignment Eliminator (TCAE-1) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>390 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>588 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>3,600 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 3mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #1615. Shaft size range 14mm-42mm (0.55" – 1.65")</b>
<b>Max Swing Diameter</b>	<b>120 mm</b>
<b>Overall Length</b>	<b>152 – 160 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>82 – 90 mm</b> (see drawing)
<b>Weight</b>	<b>3.9 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,007 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



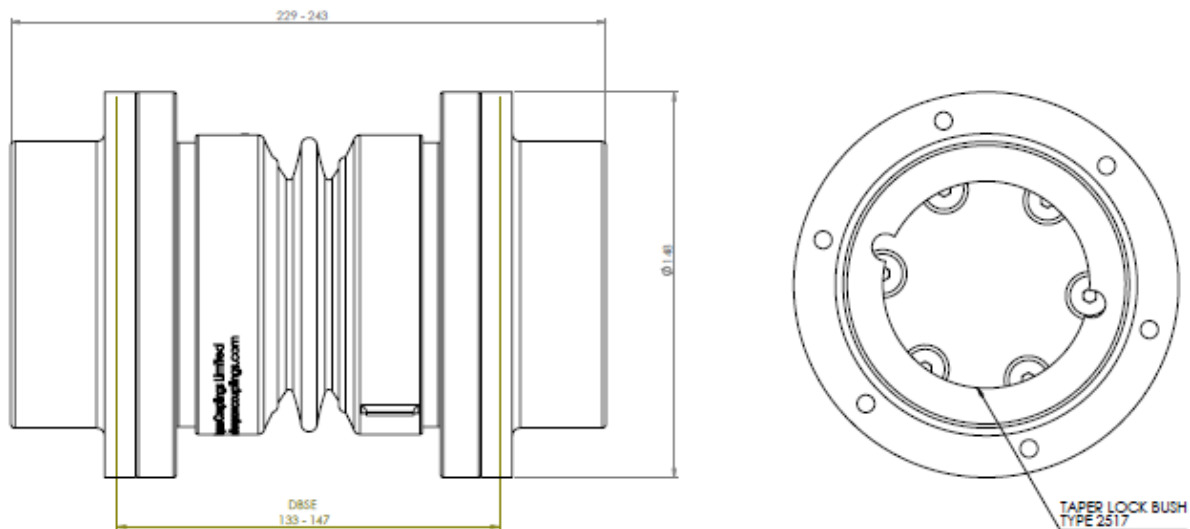
Dimensions and specifications subject to change without notice – Amended 24 Nov 2017

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

<b>Nominal Design Torque</b>	<b>630 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>1.130 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>3,600 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 4mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #2517. Shaft size range 16mm-65mm (0.625" – 2.50")</b>
<b>Max Swing Diameter</b>	<b>148 mm</b>
<b>Overall Length</b>	<b>229 – 243 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>133 – 147 mm</b> (see drawing)
<b>Weight</b>	<b>9.1 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,022 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



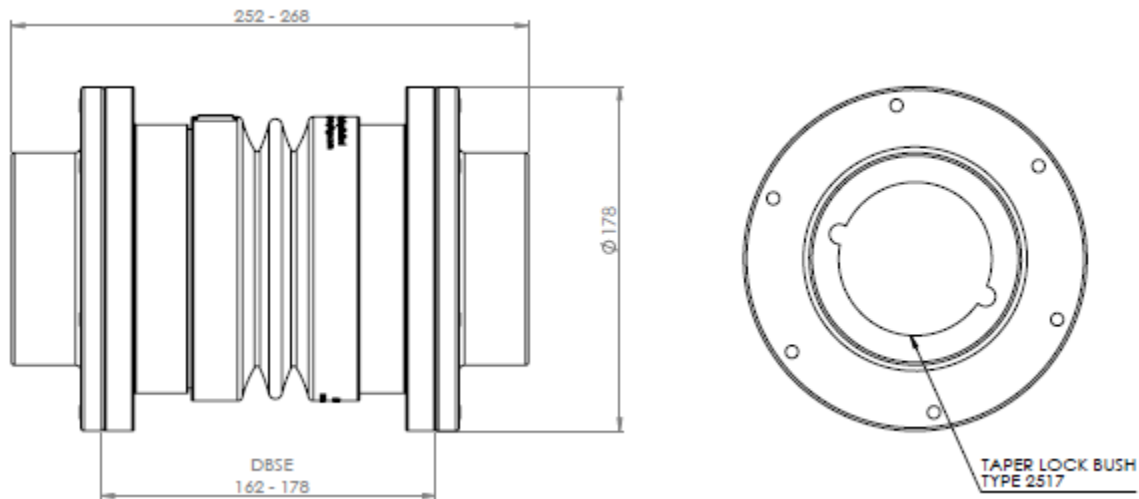
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## Thompson Coupling Alignment Eliminator (TCAE- 2LR) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>1,470 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>2,750 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>3,600 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 5mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #2517. Shaft size range 16mm-65mm (0.625" – 2.50")</b>
<b>Max Swing Diameter</b>	<b>178 mm</b>
<b>Overall Length</b>	<b>252 – 268 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>162 – 178 mm</b> (see drawing)
<b>Weight</b>	<b>14.7 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,085 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) 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.
- (3) The coupling does not need maintenance, or lubrication once installed.



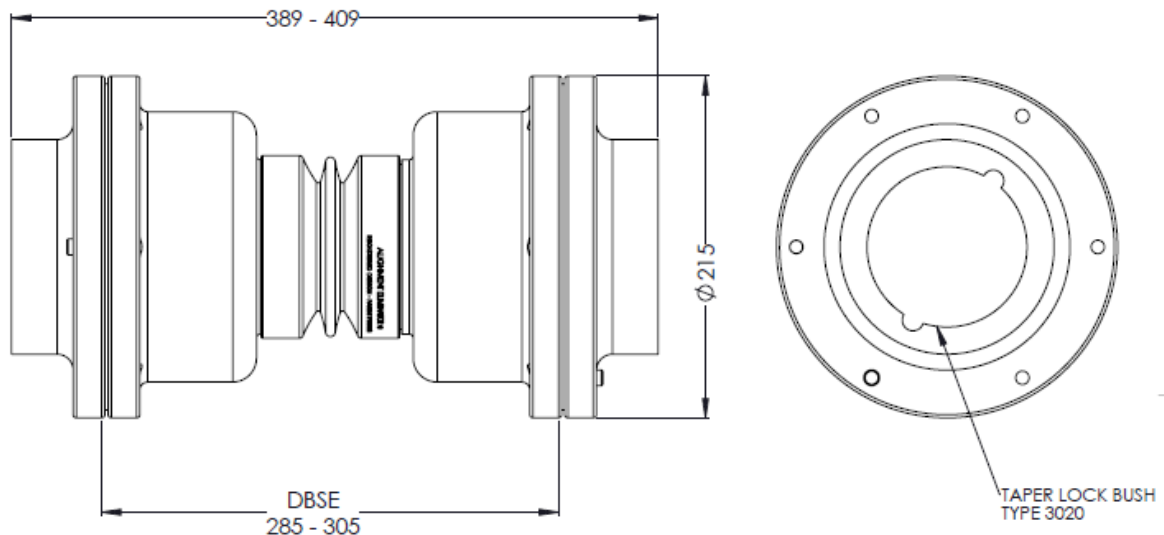
Dimensions and specifications subject to change without notice – Amended 24 Nov 2017

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

<b>Nominal Design Torque</b>	<b>2,890 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>4,710 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>3,000 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 8 mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #3020. Shaft size range 25mm-75mm (1.00" – 3.00")</b>
<b>Max Swing Diameter</b>	<b>215 mm</b>
<b>Overall Length</b>	<b>389 – 409 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>285 – 305 mm</b> (see drawing)
<b>Weight</b>	<b>31.5 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,13 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) 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.
- (3) The coupling does not need maintenance, or lubrication once installed.



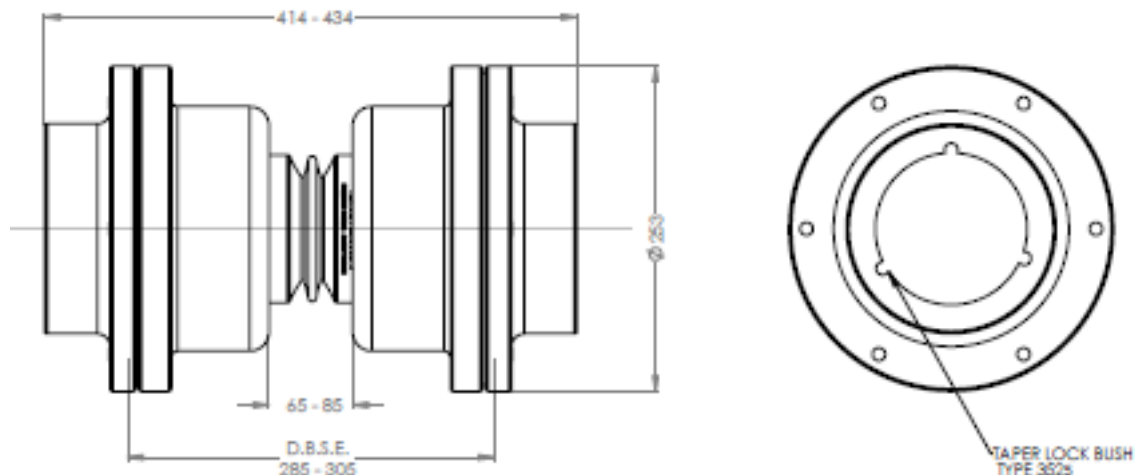
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## Thompson Coupling Alignment Eliminator (TCAE- 4) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>4,000 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>6,720 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>3,000 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 8mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #3525. Shaft size range 35mm-100mm (1.50" – 4.00")</b>
<b>Max Swing Diameter</b>	<b>253mm</b>
<b>Overall Length</b>	<b>414 – 434 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>285 – 305 mm</b> (see drawing)
<b>Weight</b>	<b>45.5 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,27 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



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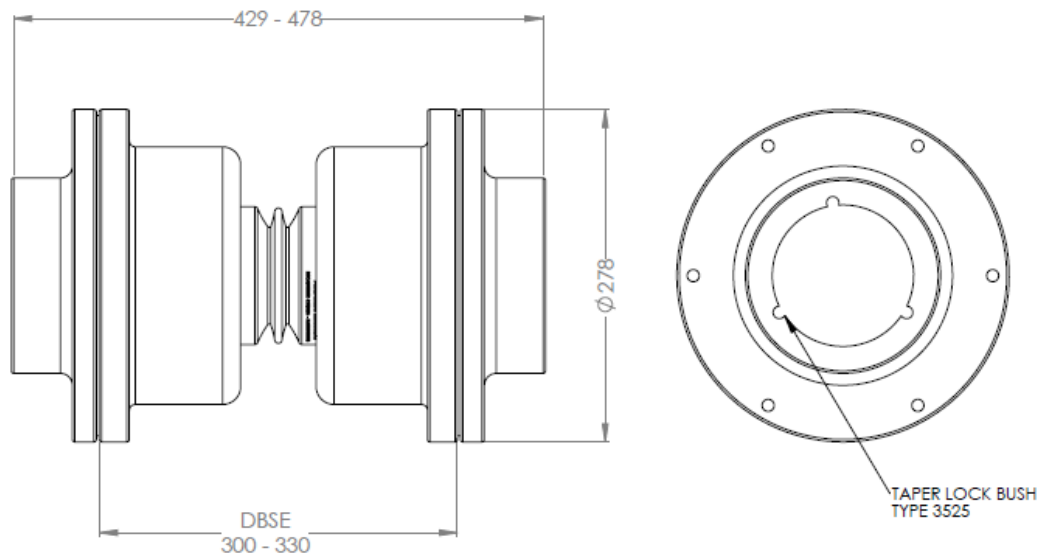


## Thompson Coupling Alignment Eliminator (TCAE- 5) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>5,880 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>11,200 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>3,000 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 8 mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #3525. Shaft size range 35mm-100mm (1.50" – 4.00")</b>
<b>Max Swing Diameter</b>	<b>278 mm</b>
<b>Overall Length</b>	<b>429 – 478 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>300 – 330 mm</b> (see drawing)
<b>Weight</b>	<b>58.2 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,33 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) 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.
- (3) The coupling does not need maintenance, or lubrication once installed.



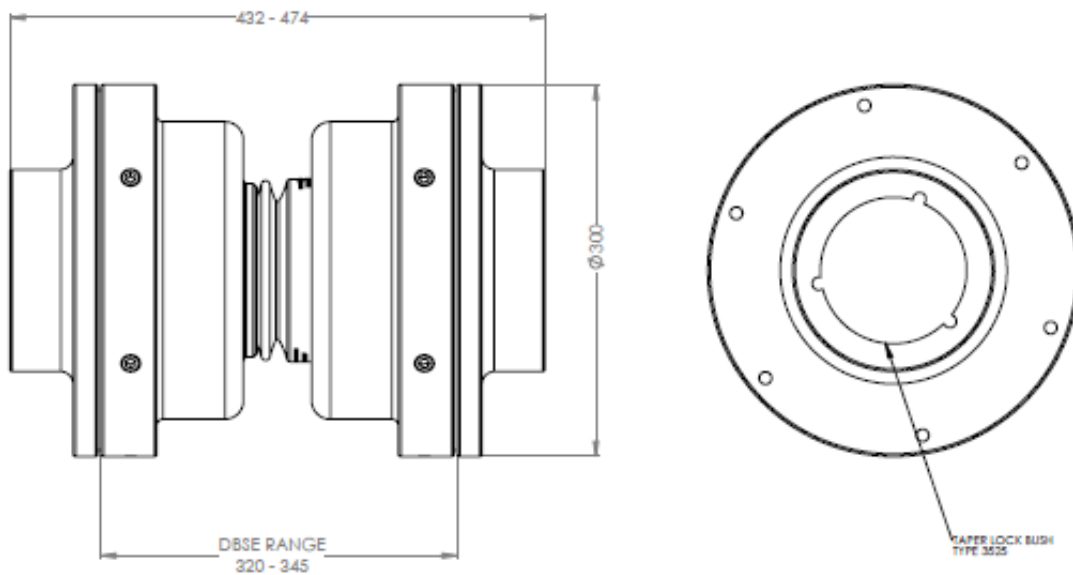
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## Thompson Coupling Alignment Eliminator (TCAE- 6) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>7,550 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>14,700 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,500 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 9 mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #3525. Shaft size range 35mm-100mm (1.50" – 4.00")</b>
<b>Max Swing Diameter</b>	<b>300 mm</b>
<b>Overall Length</b>	<b>432 – 474 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>320 – 345 mm</b> (see drawing)
<b>Weight</b>	<b>74 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>0,64 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) 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.
- (3) The coupling does not need maintenance, or lubrication once installed.



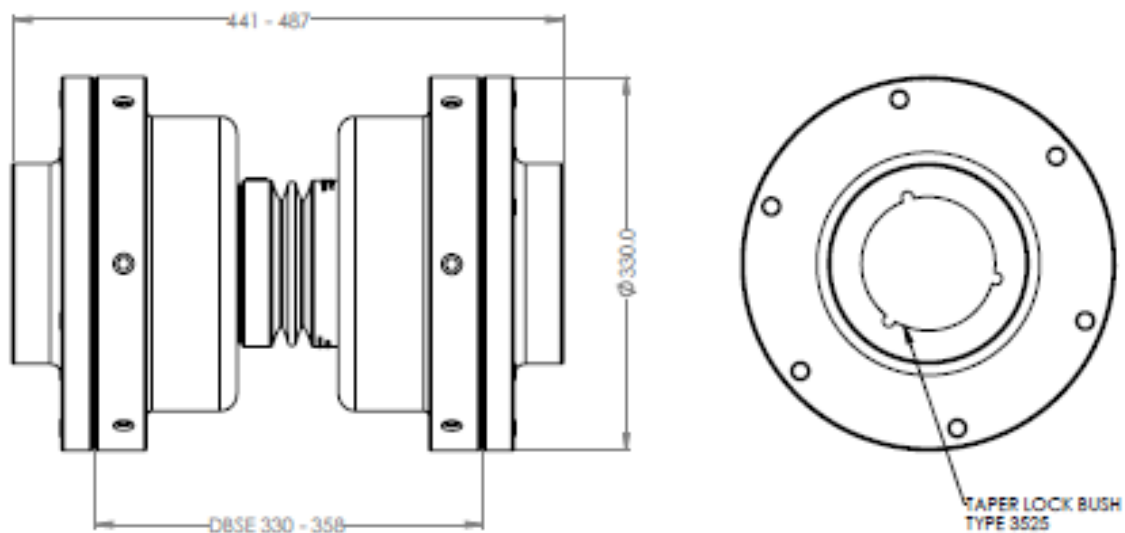
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## Thompson Coupling Alignment Eliminator (TCAE- 7) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>10,700 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>20,700 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,500 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 9 mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #3525. Shaft size range 35mm-100mm (1.50" – 4.00")</b>
<b>Max Swing Diameter</b>	<b>330 mm</b>
<b>Overall Length</b>	<b>441 – 487 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>330 – 358 mm</b> (see drawing)
<b>Weight</b>	<b>103 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>1,10 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) 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.
- (3) The coupling does not need maintenance, or lubrication once installed.



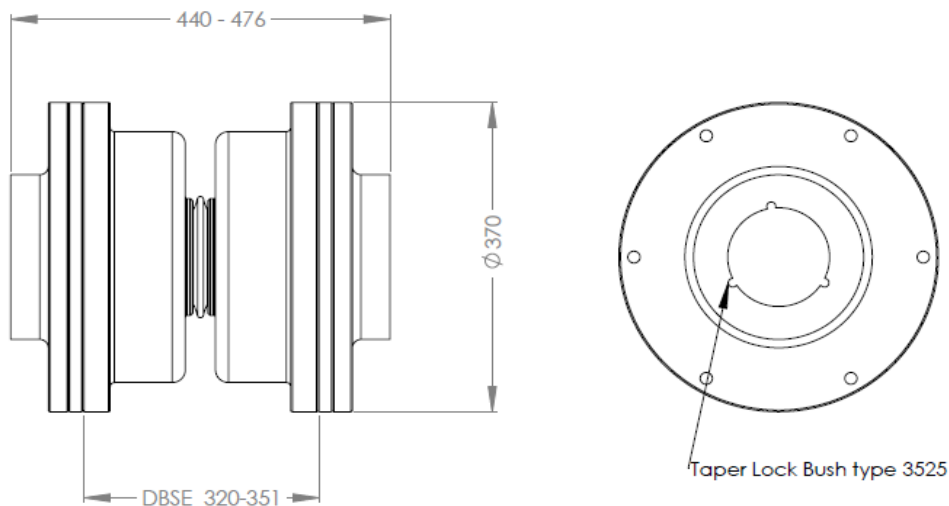
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## Thompson Coupling Alignment Eliminator (TCAE- 8) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>15,800 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>29,100 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,500 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>+/- 9mm</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 120 degrees Celsius</b>
<b>Connection details</b>	<b>Keyed shaft via taper lock bush #3525. Shaft size range 35mm-100mm (1.50" – 4.00")</b>
<b>Max Swing Diameter</b>	<b>370 mm</b>
<b>Overall Length</b>	<b>440 – 476 mm</b> (see drawing)
<b>Distance between shaft ends</b>	<b>320 – 351 mm</b> (see drawing)
<b>Weight</b>	<b>116 kg</b> (including QR flange weights)
<b>Rotational moment of inertia</b>	<b>1.48 kgm<sup>2</sup></b>

**Notes:**

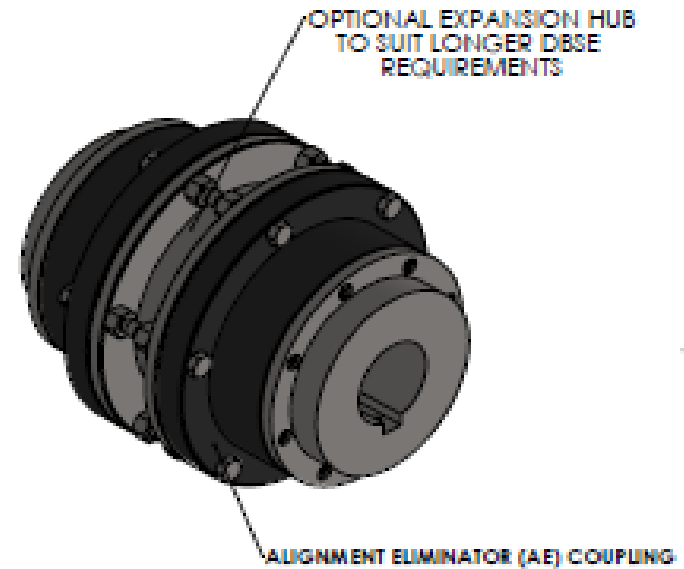
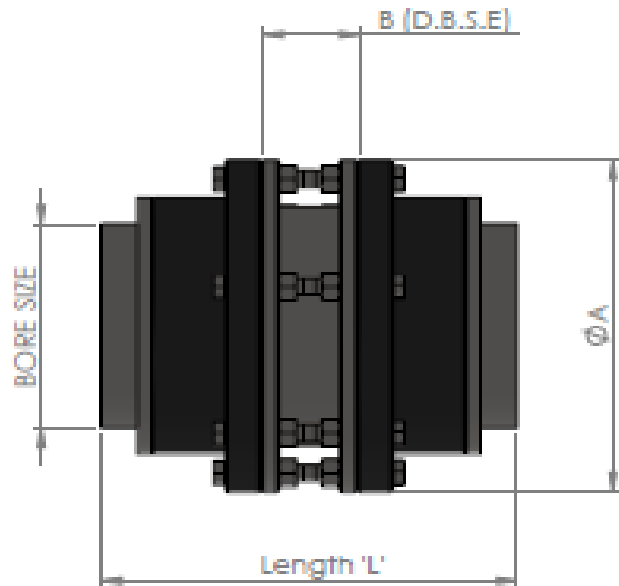
- (1) Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.
- (2) The Coupling can be laser aligned when initially installed but as it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



Dimensions and specifications subject to change without notice – Amended 2 May 2018

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PARAMETERS	UNIT	TCAE 6-T	TCAE 7-T	TCAE 8-T	TCAE 9-T	TCAE 10-T	TCAE 11-T	TCAE 12-T	TCAE 13-T	TCAE 14-T
MAXIMUM SPEED	RPM									
MAXIMUM MISALIGNMENT ANGLE	Degree °	5	5	5	5	5	5	5	5	5
MINIMUM MISALIGNMENT ANGLE	Degree °	0	0	0	0	0	0	0	0	0
MAXIMUM PARALLEL SHAFT OFFSET (without expansion hub)	E mm	4	5	6	7	7	8	9	10	12
MAXIMUM SERVICE TEMPERATURE	°C	100	100	100	100	100	100	100	100	100
SERVICE LIFE		As per customer application								
DIMENSION $\Phi A$	mm	244	272	292	336	376	420	462	504	548
DIMENSION B NOMINAL D.B.S.E.	mm	10	10	10	40	40	45	45	50	50
DIMENSION L (without expansion hub)	mm	182	186	206	220	246	260	274	290	306
BORE SIZES (up to maximum)	mm	60	70	80	90	105	120	130	150	160
	inch	2.5"	2.75"	3"	3.5"	4"	4.75"	5"	6"	6.25"
ALLOWABLE TORQUE (Dynamic & Unfactored)	N.m	4,753	6,527	11,270	17,905	26,275	38,053	52,195	69,462	125,440
UNFACTORED. POWER CAP (AT 600 RPM)	kW	160	250	320	520	770	1,100	1,500	2,000	2,830



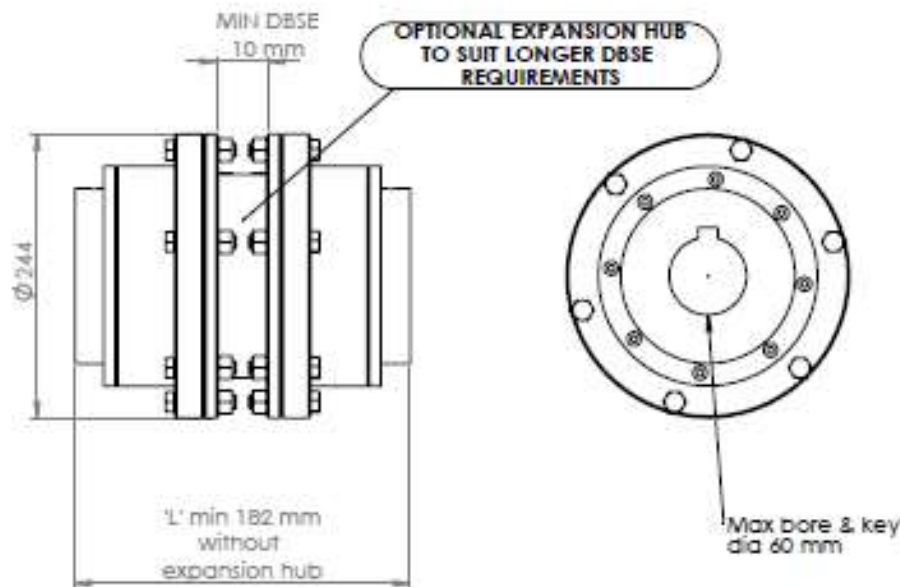
Rev.14  
March 4th 2019

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

Nominal Design Torque	4,753 Nm
Max. Torque	16,170 Nm
Max. Design Speed	2,200 RPM (depending on length of additional spacer unit)
Max. Misalignment Angle	5 degrees (total across input & output)
Min. Misalignment Angle *	0 degree
Allowable axial expansion	+/- 37 mm
Max. Service Temperature	100 degrees Celsius
Max shaft size	60 mm (internal bore size)
Mating keyway	To suit customer shaft
Swing Diameter	244 mm
Overall Length	To suit customer requirement
Distance between shaft ends	Additional spacer unit can be added for extra length to suit customer requirement
Weight	30 kgs (not including additional spacer)
Rotational moment of inertia	0.162 kg.m <sup>2</sup> (not including additional spacer)

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



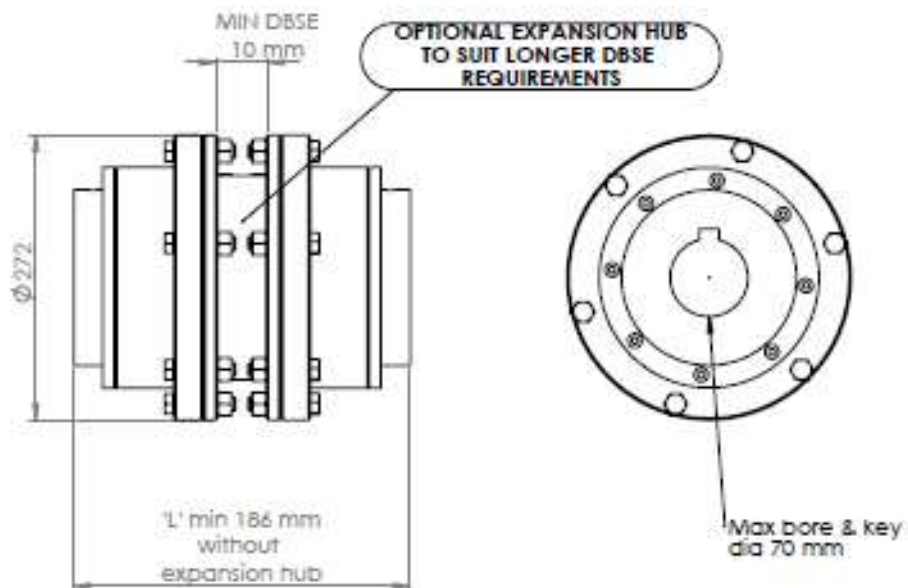
Dimensions and specifications subject to change without notice – Amended 30 OCT 2018

## Thompson Coupling Alignment Eliminator (TCAE- 7-T) Technical Specifications and Details

Nominal Design Torque	6,527 Nm
Max. Torque	22,187 Nm
Max. Design Speed	2,000 RPM (depending on length of additional spacer unit)
Max. Misalignment Angle	5 degrees (total across input & output)
Min. Misalignment Angle *	0 degree
Allowable axial expansion	+/- 37 mm
Max. Service Temperature	100 degrees Celsius
Max shaft size	70 mm (internal bore size)
Mating keyway	To suit customer shaft
Swing Diameter	272 mm
Overall Length	To suit customer requirement
Distance between shaft ends	Additional spacer unit can be added for extra length to suit customer requirement
Weight	39 kgs (not including additional spacer)
Rotational moment of inertia	0.274 kg.m <sup>2</sup> (not including additional spacer)

### Notes:

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



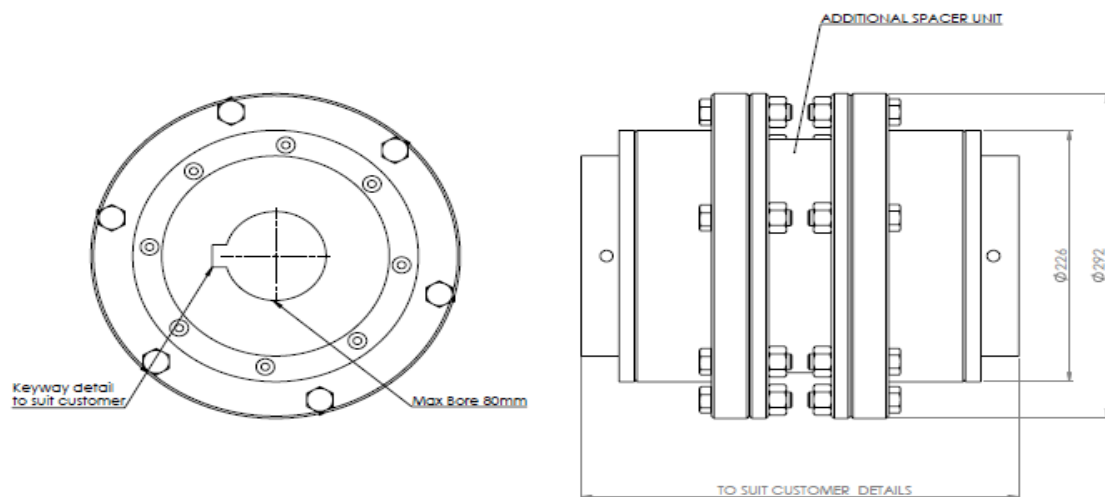
Dimensions and specifications subject to change without notice – Amended 30 OCT 2018

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

<b>Nominal Design Torque</b>	<b>11,270 Nm</b>
<b>Max. Torque</b>	<b>38,328 Nm</b>
<b>Max. Design Speed</b>	<b>1,800 RPM (depending on length of additional spacer unit)</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees (total across input &amp; output)</b>
<b>Min. Misalignment Angle *</b>	<b>0 degree</b>
<b>Allowable axial expansion</b>	<b>+/- 42 mm</b>
<b>Max. Service Temperature</b>	<b>100 degrees Celsius</b>
<b>Max shaft size</b>	<b>80 mm (internal bore size)</b>
<b>Mating keyway</b>	<b>To suit customer shaft</b>
<b>Swing Diameter</b>	<b>292 mm</b>
<b>Overall Length</b>	<b>To suit customer requirement</b>
<b>Distance between shaft ends</b>	<b>Additional spacer unit can be added for extra length to suit customer requirement</b>
<b>Weight</b>	<b>50 kgs (not including additional spacer)</b>
<b>Rotational moment of inertia</b>	<b>0.42 kg.m<sup>2</sup> (not including additional spacer)</b>

**Notes:**

- (1) 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.
- (2) 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.
- (3) The coupling does not need maintenance, or lubrication once installed.



Dimensions and specifications subject to change without notice – Amended 10 Dec 2018

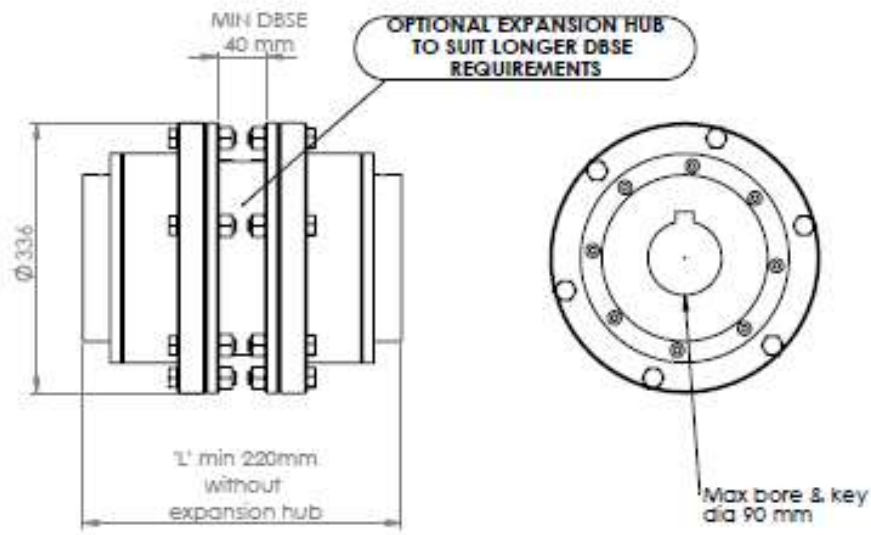


## Thompson Coupling Alignment Eliminator (TCAE- 9-T) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>17,905 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>60,868 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,500 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>To suit keyed shaft max diameter 90mm</b>
<b>Max Swing Diameter</b>	<b>336 mm</b>
<b>Overall Length</b>	<b>220 mm minimum.</b> (see drawing)
<b>Distance between shaft ends</b>	<b>40 mm minimum.</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 41 mm</b>
<b>Weight</b>	<b>74 kg basic coupling without expansion hub</b>
<b>Rotational moment of inertia</b>	<b>0.815 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



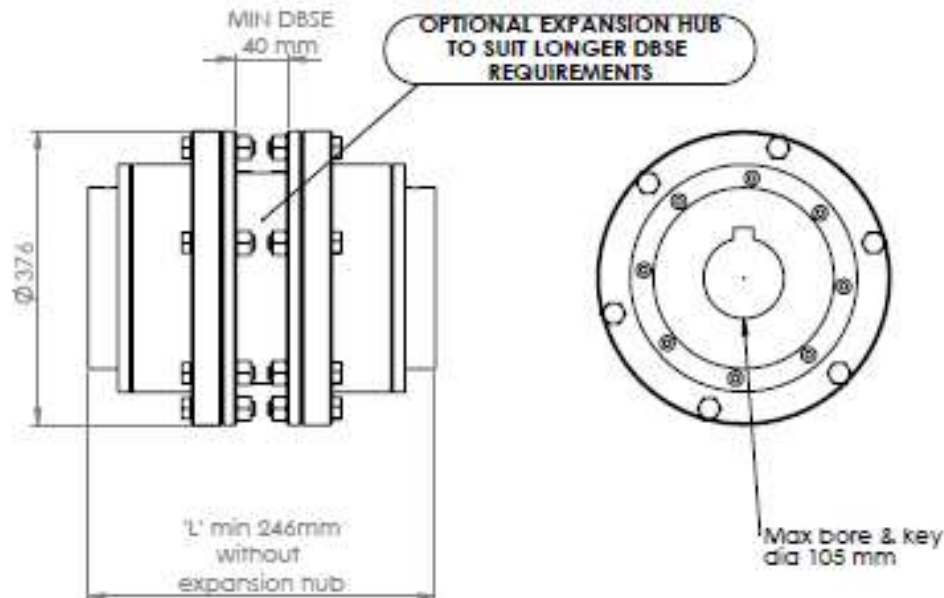
Dimensions and specifications subject to change without notice – Amended 5 Dec 2018

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

<b>Nominal Design Torque</b>	<b>26,725 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>90,856 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,300 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>To suit keyed shaft max diameter 105 mm</b>
<b>Max Swing Diameter</b>	<b>376 mm</b>
<b>Overall Length</b>	<b>246 mm minimum.</b> (see drawing)
<b>Distance between shaft ends</b>	<b>40 mm minimum.</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 43 mm</b>
<b>Weight</b>	<b>103 kg basic coupling without expansion hub</b>
<b>Rotational moment of inertia</b>	<b>1.464 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



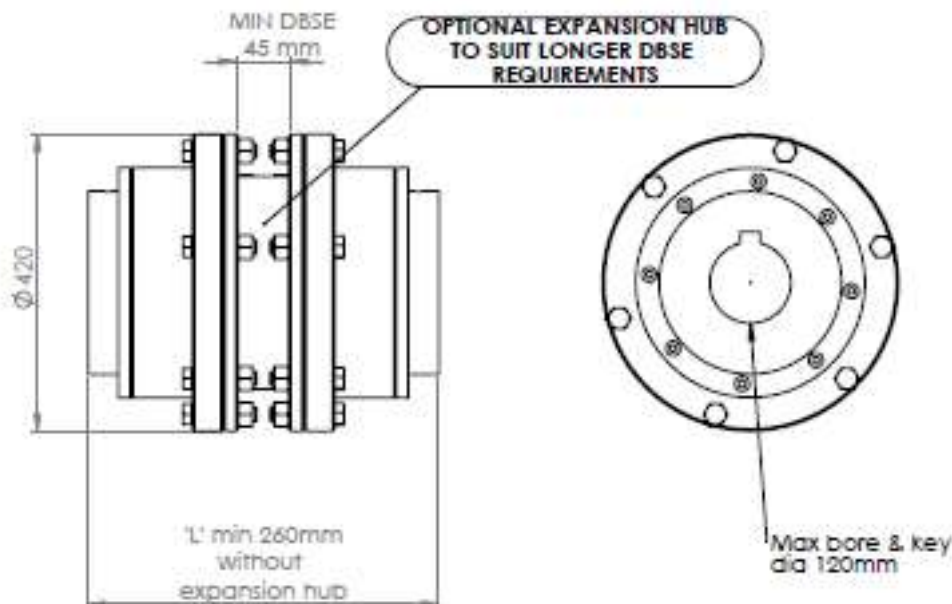
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## Thompson Coupling Alignment Eliminator (TCAE- 11-T) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>38,053 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>129,360 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,200 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>To suit keyed shaft max diameter 120 mm</b>
<b>Max Swing Diameter</b>	<b>420 mm</b>
<b>Overall Length</b>	<b>260 mm minimum.</b> (see drawing)
<b>Distance between shaft ends</b>	<b>45 mm minimum.</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 45 mm</b>
<b>Weight</b>	<b>137 kg basic coupling without expansion hub</b>
<b>Rotational moment of inertia</b>	<b>2.488 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



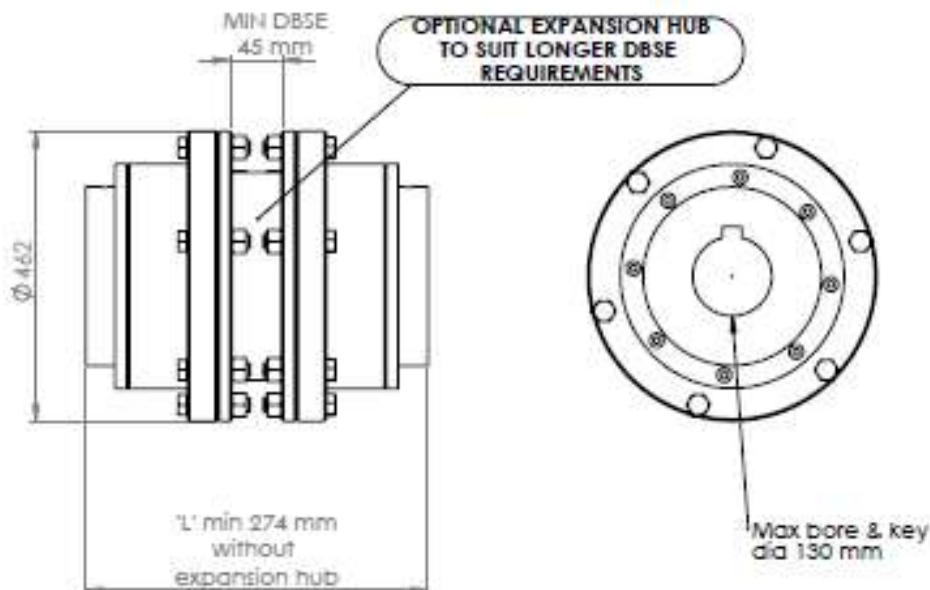
Dimensions and specifications subject to change without notice – Amended 5 Dec 2018

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

<b>Nominal Design Torque</b>	<b>52,195 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>177,449 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,100 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>To suit keyed shaft max diameter 130 mm</b>
<b>Max Swing Diameter</b>	<b>462 mm</b>
<b>Overall Length</b>	<b>274 mm minimum.</b> (see drawing)
<b>Distance between shaft ends</b>	<b>45 mm minimum.</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 47 mm</b>
<b>Weight</b>	<b>181 kg basic coupling without expansion hub</b>
<b>Rotational moment of inertia</b>	<b>3.966 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



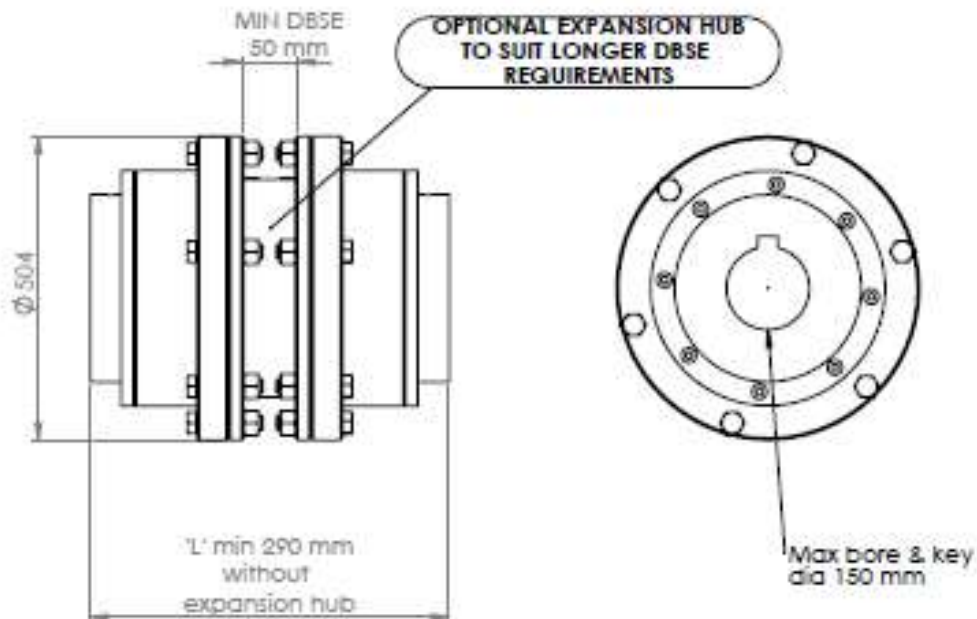
Dimensions and specifications subject to change without notice – Amended 5 Dec 2018

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

<b>Nominal Design Torque</b>	<b>69,462 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>236,190 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1,000 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>To suit keyed shaft max diameter 150 mm</b>
<b>Max Swing Diameter</b>	<b>504 mm</b>
<b>Overall Length</b>	<b>290 mm minimum.</b> (see drawing)
<b>Distance between shaft ends</b>	<b>50 mm minimum.</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 51 mm</b>
<b>Weight</b>	<b>226 kg basic coupling without expansion hub</b>
<b>Rotational moment of inertia</b>	<b>6.101 kgm<sup>2</sup></b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



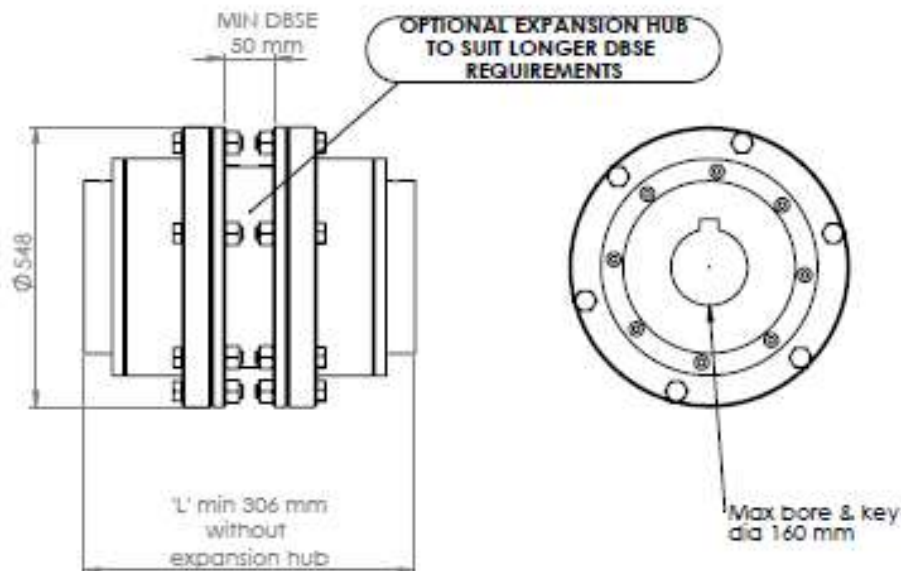
Dimensions and specifications subject to change without notice – Amended 5 Dec 2018

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

<b>Nominal Design Torque</b>	<b>125,440 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>441,980 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>800 RPM</b>
<b>Max. Misalignment Angle</b>	<b>5 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>To suit keyed shaft max diameter 160 mm</b>
<b>Max Swing Diameter</b>	<b>548 mm</b>
<b>Overall Length</b>	<b>306 mm minimum.</b> (see drawing)
<b>Distance between shaft ends</b>	<b>50 mm minimum.</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 51 mm</b>
<b>Weight</b>	<b>274 kg basic coupling without expansion hub</b>
<b>Rotational moment of inertia</b>	<b>9.213 kgm<sup>2</sup></b>

**Notes:**

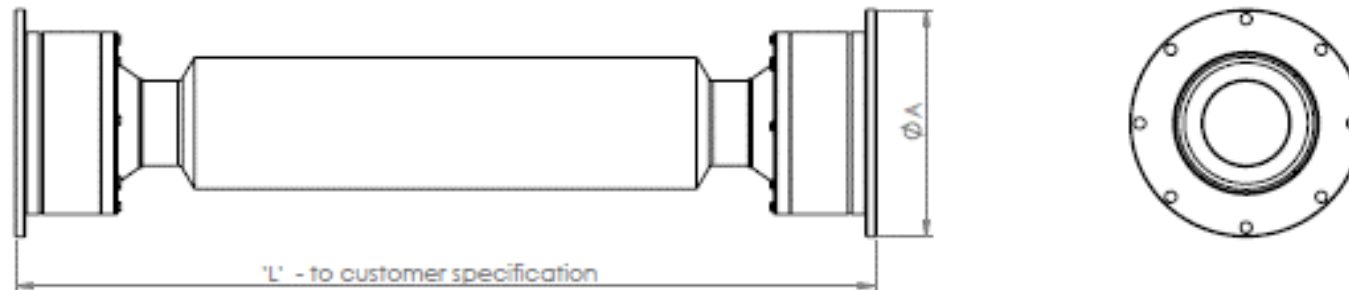
- (1) Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, and environmental conditions may also affect life ratings.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



Dimensions and specifications subject to change without notice – Amended 5 Dec 2018

# TCAE CM SERIES – TECHNICAL SPECIFICATIONS

PARAMETERS	UNIT	TCAE 1-CM	TCAE 2-CM	TCAE 3-CM	TCAE 4-CM	TCAE 5-CM	TCAE 6-CM	TCAE 7-CM	TCAE 8-CM	TCAE 9-CM	TCAE 10-CM	TCAE 11-CM	TCAE 12-CM	TCAE 13-CM	TCAE 14-CM
MAXIMUM MISALIGNMENT ANGLE	Degree °	12	12	12	12	12	10	10	10	10	10	10	10	10	8
MINIMUM MISALIGNMENT ANGLE	Degree °	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM PARALLEL SHAFT OFFSET	mm	dependant on customer length													
MAXIMUM SERVICE TEMPERATURE	°C	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SERVICE LIFE	hrs	As per customer application													
DIMENSION $\Phi A$	mm	152	177	215	236	270	244	272	292	336	376	420	462	504	548
DIMENSION L (minimum)	mm	600	600	700	800	800	550	590	680	740	810	900	1000	1070	1170
AXIAL EXPANSION	+/- mm	26	32	40	40	40	35	38	38	40	40	44	46	50	50
ALLOWABLE TORQUE (Dynamic & Unfactored)	N.m	882	1470	2891	4018	5880	7154	11172	14505	22932	34104	48510	66738	89082	115640
UNFACTORED. POWER CAP (AT 1440 RPM)	kW	35	72	125	188	308	320	500	640	1000	1500	2200	3000	3900	5600



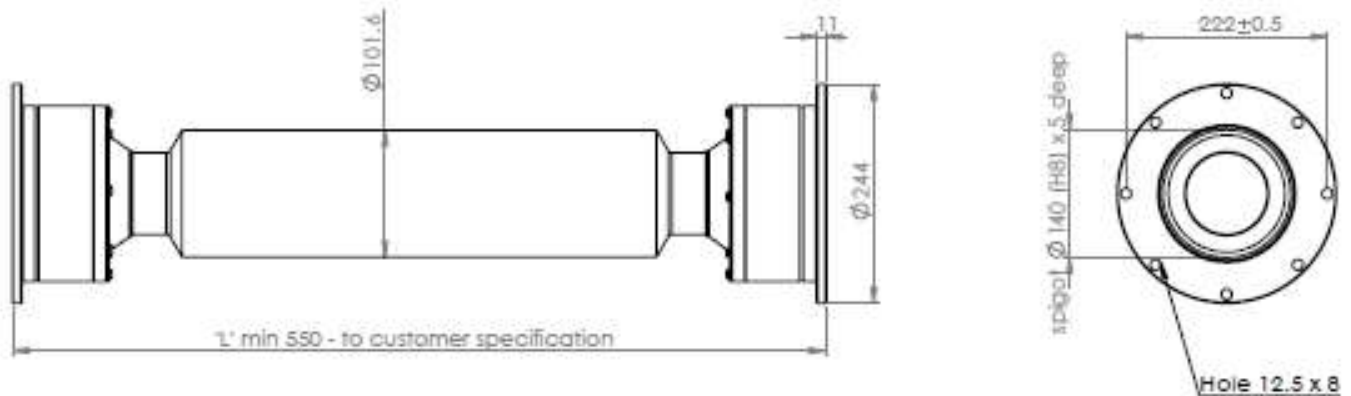
Rev.14  
March 4th 2019

## Thompson Coupling Alignment Eliminator TCAE- 6-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>7,154Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>29,694Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>2200 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>244mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>244mm</b>
<b>Overall Length</b>	<b>550 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 35 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



Dimensions and specifications subject to change without notice – Amended 6 Dec 2018

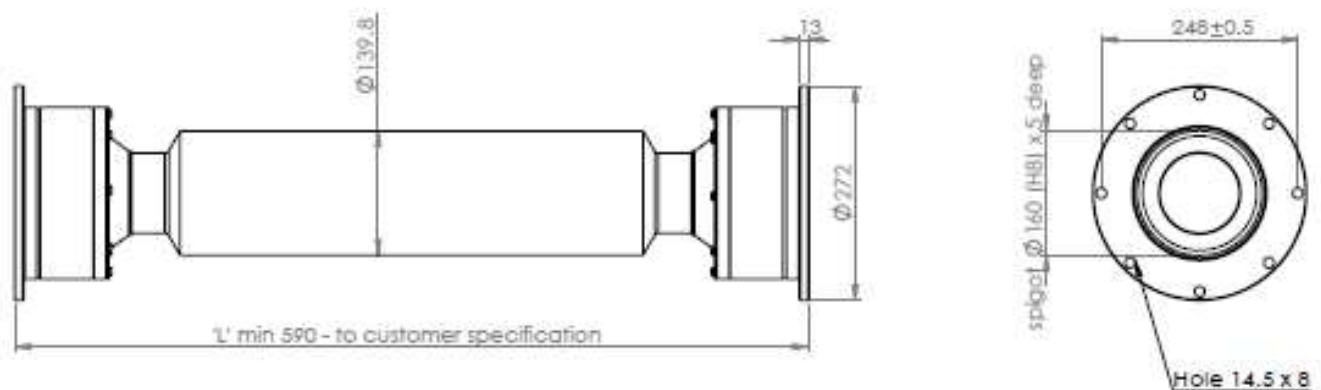


## Thompson Coupling Alignment Eliminator TCAE- 7-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>11,172 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>41,846 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>2000 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>272mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>272mm</b>
<b>Overall Length</b>	<b>590 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 38 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



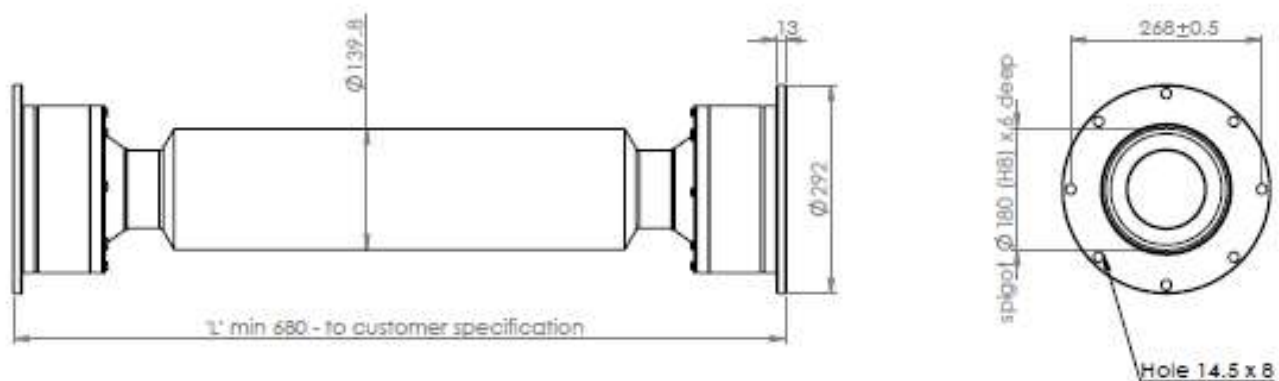
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## Thompson Coupling Alignment Eliminator TCAE- 8-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>14,505 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>61,250 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1800 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>292mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>292mm</b>
<b>Overall Length</b>	<b>680 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 38 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



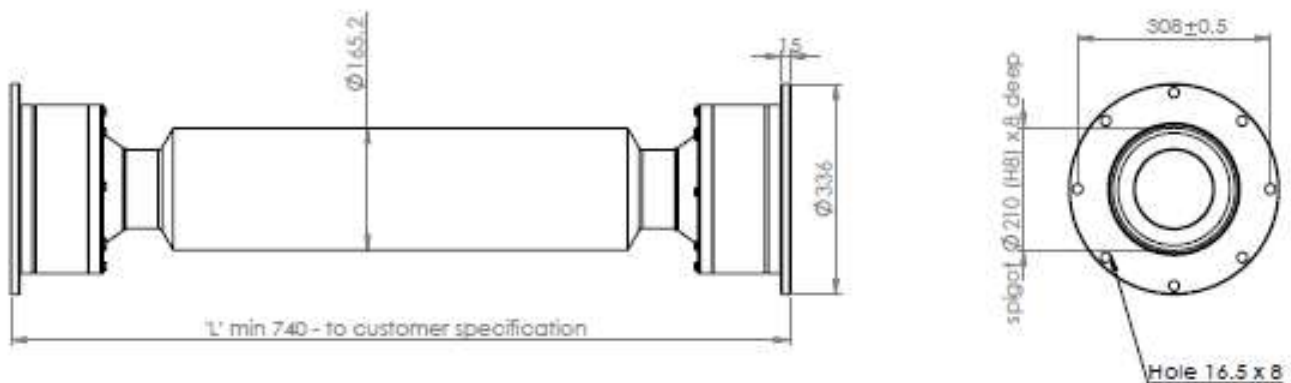
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## Thompson Coupling Alignment Eliminator TCAE- 9-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>22,932 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>92,022 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1600 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>336mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>336mm</b>
<b>Overall Length</b>	<b>740 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 40 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



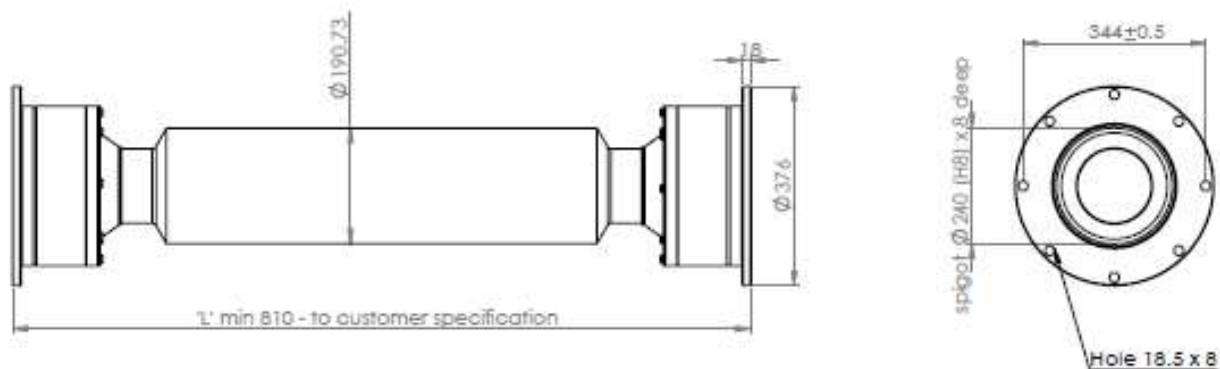
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## Thompson Coupling Alignment Eliminator TCAE- 10-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>34,104 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>142,100 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1300 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>376mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>376mm</b>
<b>Overall Length</b>	<b>810 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 40 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



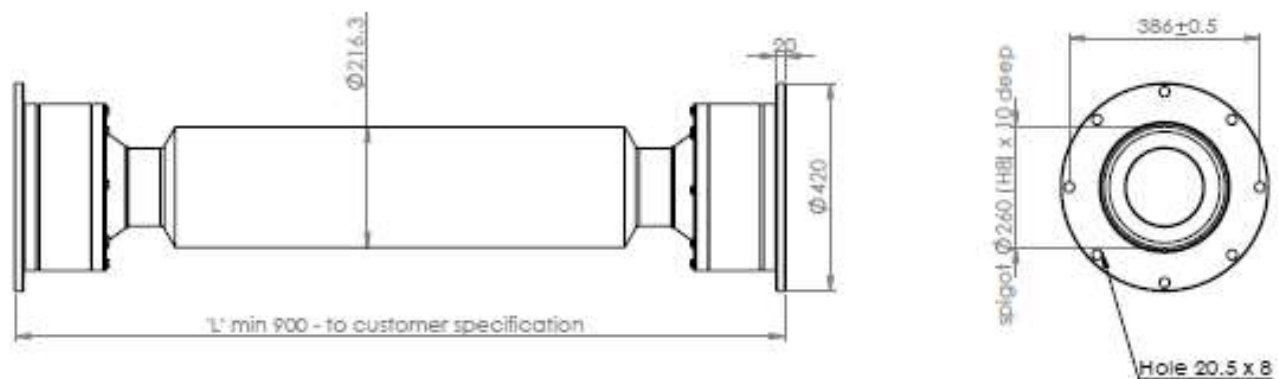
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## Thompson Coupling Alignment Eliminator TCAE- 11-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>48,510 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>187,180 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1200 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>420mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>420mm</b>
<b>Overall Length</b>	<b>900 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 44 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



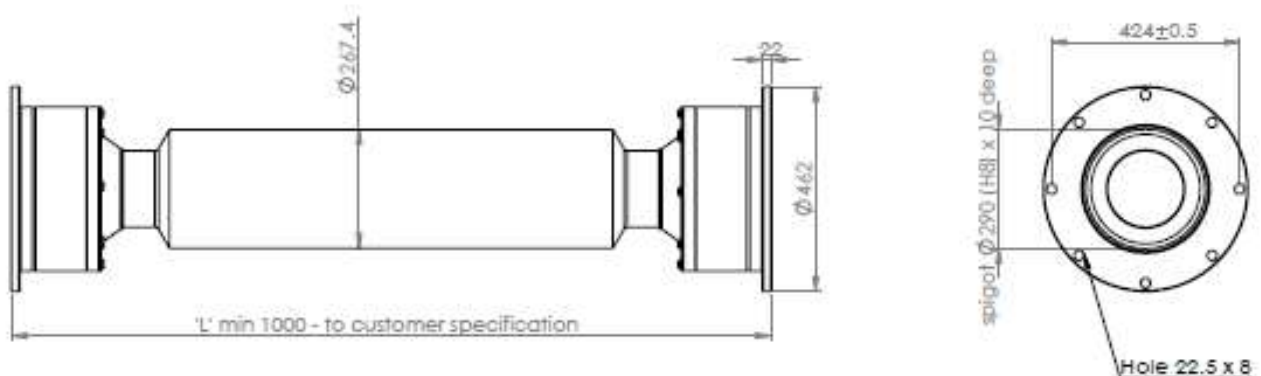
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## Thompson Coupling Alignment Eliminator TCAE- 12-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>66,738 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>259,700 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1100 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>462mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>462mm</b>
<b>Overall Length</b>	<b>1000 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 46 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



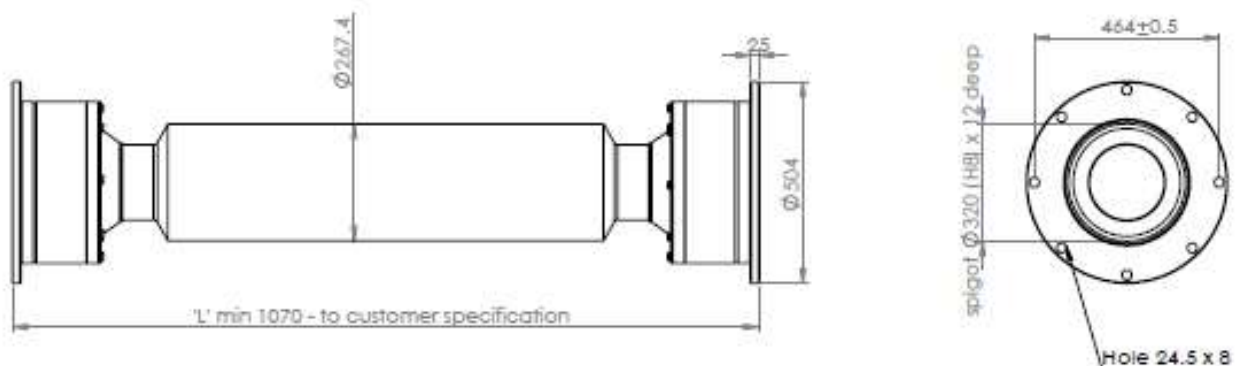
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## Thompson Coupling Alignment Eliminator TCAE- 13-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>89,082 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>343,000 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>1000 RPM</b>
<b>Max. Misalignment Angle</b>	<b>10 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>504mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>504mm</b>
<b>Overall Length</b>	<b>1070 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 50 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



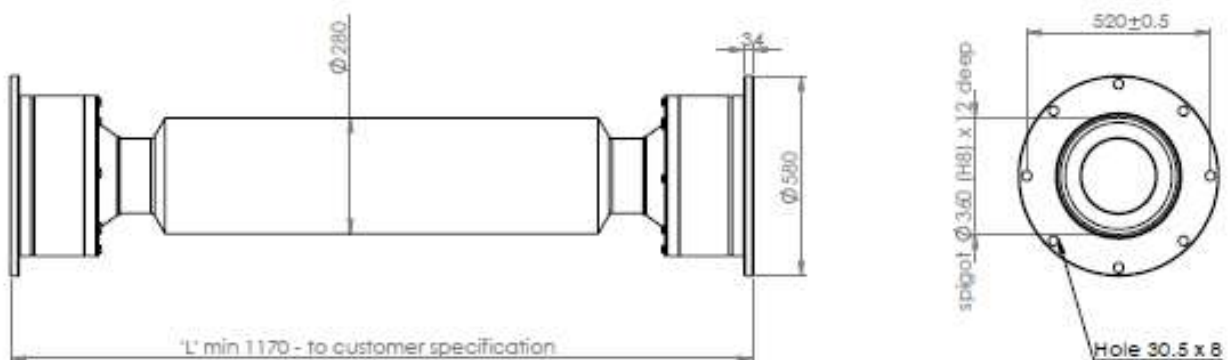
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## Thompson Coupling Alignment Eliminator TCAE- 14-CM-(xxxx) Technical Specifications and Details

<b>Nominal Design Torque</b>	<b>115,640 Nm</b> (unfactored, dynamic)
<b>Max. Torque</b>	<b>618,380 Nm</b> (unfactored, non-reversing with minimal stop/starts)
<b>Max. Design Speed</b>	<b>800 RPM</b>
<b>Max. Misalignment Angle</b>	<b>8 degrees</b> (total across input & output)
<b>Min. Misalignment Angle</b>	<b>0 degree</b>
<b>Max. Parallel shaft offset</b>	<b>Dependant on customer application by shaft length</b>
<b>L<sub>10</sub> bearing life <sup>(1)</sup></b>	<b>Contact us for your specific application</b>
<b>Max. Service Temperature</b>	<b>Up to 100 degrees Celsius</b>
<b>Connection details</b>	<b>580mm flange</b> (see drawing)
<b>Max Swing Diameter</b>	<b>580mm</b>
<b>Overall Length</b>	<b>1170 mm Min</b> (see drawing)
<b>Axial expansion</b>	<b>+/- 50 mm</b>
<b>Weight</b>	<b>Dependant on customer application by shaft length</b>
<b>Rotational moment of inertia</b>	<b>Dependant on customer application by shaft length</b>

**Notes:**

- (1) 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.
- (2) The Coupling can be laser aligned when initially installed but has it can handle axial, or parallel, or angular, or combination of any of these in misalignment, it does not need aligning after installation.
- (3) The coupling does not need maintenance, or lubrication once installed.



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