



thompson  
COUPLINGS

quality makes a difference

## TCAE-ST Coupling: The World's Best Solution for Short DBSE Performance

### Why Choose TCAE-ST Coupling?

The TCAE-ST Coupling is engineered to excel in demanding applications, offering unmatched performance and reliability. Here's why it stands out:

#### Handles Misalignment

Designed to accommodate angular, parallel, and axial misalignments, ensuring smooth operation and reducing wear on connected equipment.

#### Permits Axial Movement

Incorporates a flexible design that allows for axial displacement, making it ideal for dynamic environments where vibration and movement are prevalent.

#### Long Life

Crafted from high-quality materials, the TCAE-ST Coupling ensures durability and extends service life, reducing the frequency of replacements and maintenance.

#### Power Savings

Optimised for efficiency, it minimises energy loss during operation, leading to significant power savings and lower operational costs over time.



**TCAE-ST**  
*Working in a Timber Mill  
Debarking machine*

— “ —

Choose the TCAE-ST Coupling for  
your short DBSE needs, and  
experience superior performance  
with enhanced longevity  
and efficiency

— ” —



**TCAE-ST**  
*Working in a Paper Mill  
hostile environment*



## TCAE-ST SERIES: SPECIFICATIONS

	CONTINUOUS TORQUE, T100	NOMINAL POWER CAP AT: <i>Based on machine service factor of 1.25 service life of 7,200 hrs</i>			MAXIMUM MISALIGNMENT ANGLE PER HEAD	MAXIMUM SERVICE TEMPERATURE	DIMENSION øA	DIMENSION L (DBSE)	BORE SIZE
		1000RPM	1500RPM	MAX RPM					
<b>TCAE- ST -1</b>	408 N.m	34 kW	51kW	3,600rpm 103 kW	5°	120°C	152mm	12 - 24mm	42mm
<b>TCAE- ST -2</b>	826 N.m	69 kW	104	3,600rpm 208 kW	5°	120°C	180mm	12 - 26mm	50mm
<b>TCAE- ST -3</b>	1,443 N.m	121 kW	181kW	3,600rpm 363 kW	5°	120°C	225mm	12 - 30mm	75mm
<b>TCAE- ST -6</b>	3,823 N.m	320 kW	480 kW	3,000rpm 704 kW	5°	120°C	260mm	14 - 32mm	100mm
<b>TCAE- ST -8</b>	7,741 N.m	649kW	973 kW	2,200rpm 1,430 kW	5°	120°C	320mm	14 - 32mm	110mm
<b>TCAE- ST -10</b>	18,115 N.m	1,516kW	2,275 kW	1,800rpm 2,732 kW	5°	120°C	450mm	16 - 40mm	150mm
<b>TCAE- ST -12</b>	35,598 N.m	2,986 kW		1,200rpm 3,578kW	5°	120°C	560mm	18 - 50mm	200mm

### ADDITIONAL SPECIFICATIONS FOR TCAE-ST SERIES:

**Maximum Parallel Shaft Offset:** Dependant on customer length.

**Service Life:** As per Customer Application.

### PLEASE NOTE:

Specifications for the TCAE-ST-1 TCAE-ST-2, TCAE-ST-3 TCAE-ST-6, TCAE-ST-8 TCAE-ST-10 and TCAE-ST-12

Please check with Thompson Couplings or your local distributor.

**\*\*\* PLEASE USE ONLY STEEL TAPER LOCK BUSHES\*\*\***