



SOLERO
TECHNOLOGIES



Terminator™

Pneumatic fan clutches
for heavy-duty demands

LINNIG®

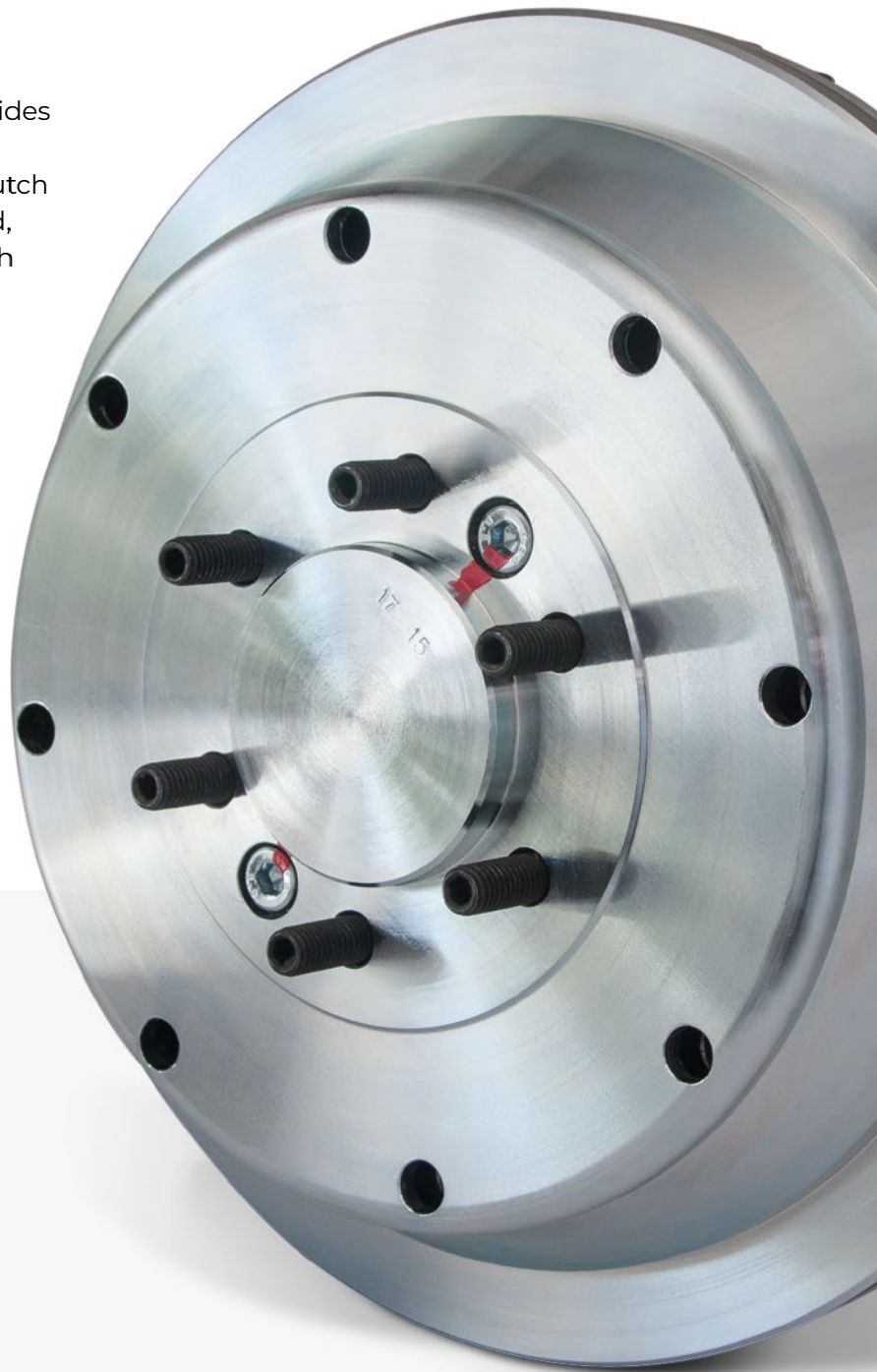
Terminator™ series fan clutches

On/off and 2-speed

The patented “Alloy Wedge” friction material provides more torque and twice the number of fan clutch engagements assuring significantly longer fan clutch life. The friction material and air seals are enclosed, protecting them from pressure washing and harsh environments.

Features and benefits

- | Pneumatically actuated friction clutch
- | Power transmission via steel-on-steel contact / friction via conical / tapered friction surface
- | Conical / tapered surfaces effect an increase of the contact forces, which lead to an increase of the transferable torques at reduced axial force
- | Pre-tension via spring disk
- | Actuated in pressure-free condition (fail-safe)
- | Compact design



The Terminator™ 2-speed adds the following benefits

Reduced noise

Fan does not switch on at engine idle speed. Therefore no unnecessary noise.

Unlimited intermediate speed

Unlike a viscous clutch, the KENDRION clutch can run in speed one as long as needed without damaging the clutch

Maintains torque

Others lose up to 20%

Twice the torque capacity

In speed one reducing full engagements

Long fan clutch life

No contact between moving parts in speed one and fewer fan clutch engagements extends clutch life

Increased belt Life

Less belt shock and load

Increased belt tensioner life

Less belt shock and load

Increased fuel savings

Speed one provides required cooling with less parasitic horse power

New and improved air cartridge

Extended life, stronger material and ease of clutch engagements

- | 3x the life of standard market air cartridge
- | Air cartridge plunger is made from high performance thermoplastic
- | Design and material developed by Kendrion`s team of engineers to be the most reliable, durable cartridge on the market
- | Cartridge is able to operate in extreme temperatures at 500°+
- | New air cartridge produces less heat internally adding to the overall life of the clutch



Terminator upgrade kits

Cover on/off and 2-speed fan drives

- | Fewer parts to install
- | No cage nut required
- | Only one kit required to convert to a 2-speed
- | Increased warranty coverage
- | More than twice the torque capacity
- | Enclosed friction material and seals increases clutch life
- | Patented alloy wedge friction material provides twice the number of engagements
- | Improved bearing design for longer life



Upgrade kit numbers

Operating method

Bearing replacement kit	
One Bearing Kit	HB1
Two Bearing Kit	HB2

When replacing a 2-speed HORTON Drive Masters® use this 5" Pilot Adapter Kendrion Part #H4900SA

MACK Kit only - Fits all MACK's with HORTON Drive Masters® 2002-2007 with 26" fan and smaller	
All Mack Applications with HORTON Drive Masters®*	HM4900S
*For LE and MR Model	H4900S

Rear Engine Mixer only – Fits all OSHKOSH, TEREX, PHOENIX, CONTINENTAL with HORTON Drive Masters®	
All Rear Engine Mixer with HORTON Drive Masters®	HO4900S

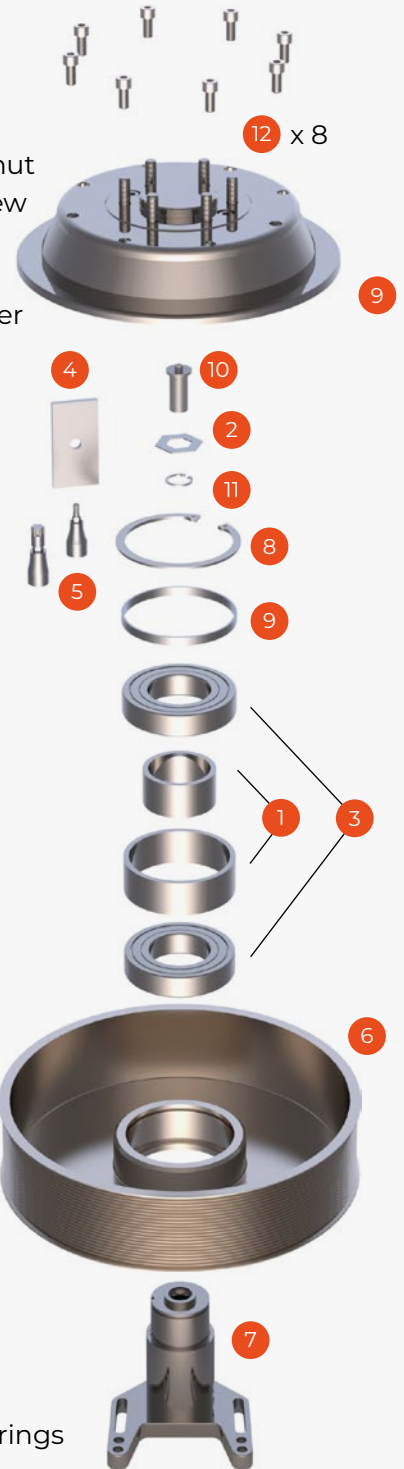
HORTON rebuilt kit Number	Kendrion on/off kit	Kendrion 2-speed kit
994347	H4900	H4900S
994353	H4902	H4902S
994373	H4900	H4900S
994375	H4900	H4900S
994377	H4900	H4900S
994381	H4900	H4900S
994900	H4900	H4900S
994902	H4902	H4902S

Kit not available for HORTON rebuilt kit numbers

- I 994383
- I 994385
- I 994387

Supplementary tools list

- I Press
- I Impact wrench
- I Torque wrench(s)
- I Circlip pliers
- I M5 allen key
- I Socket for bearing nut
- I Socket for allen screw
- I Vice
- I Loctite
- I Flat head screwdriver



Parts list

1. Bearing spacers (inner & outer)
2. 2" nut for bearing
3. 2x single row bearings
4. Retaining bolt
5. T55 and T27 tools
6. Pulley sheave
7. Mounting bracket
8. Retaining clip
9. Spacer
10. Air cartridge
11. Circlip for air cartridge
12. 8x socket head cap screws

ABOUT SOLERO

We are a global supplier for OEMs and Tier 1 in the automotive industry, specializing in Vehicle Dynamics, Fluid Management, and Transmission/E-Drive.



Contact us

We'll find the right product for your application!

Our qualified employees, the precisely defined manufacturing processes and globally-uniform, strict quality guidelines ensure top quality at the end of every production process – worldwide.


Our customers trust us because we have successfully been on the market for over 100 years, and always with the optimum for them in our focus. The cooperation with leading automotive manufacturers continually improves our know-how and processes. In this, we rely on production and logistics processes that enable both modular and individual production – regardless if large or small-lot orders are placed.




Feel free to contact us!
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Solero Technologies Markdorf GmbH
Riedheimer Strasse 5
88677 Markdorf
Germany

T. +49 7544 964-0
sales@solerotech.com

 [solerotechnologies.com](https://www.solerotechnologies.com)

 [/solerotechnologies](https://www.linkedin.com/company/solerotechnologies)

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