

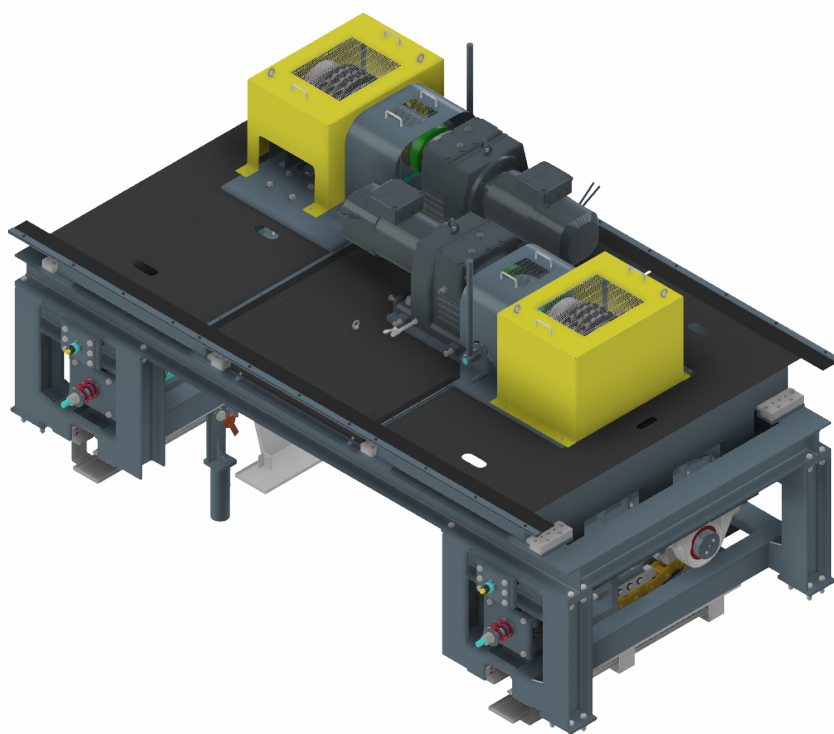
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AUTOMATION

Pendulum Drive Triple Chain Inspection & Tension Procedure

Service Instructions

Project #C20101 | 2025 Edition



Pendulum Drive Assembly

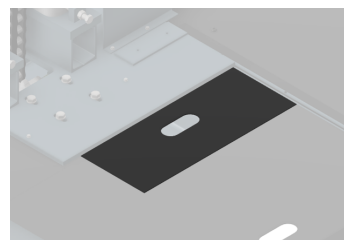
⚠ WARNING ⚠

- Only qualified and trained personnel should perform the disassembly and assembly of electrical and mechanical components.
- Before attempting any maintenance on this equipment, all involved personnel should follow plant internal regulations along with any state, federal, or province regulations. Do not begin any repair procedure until the proper shutdown procedures and the appropriate power lockout procedures have been applied.

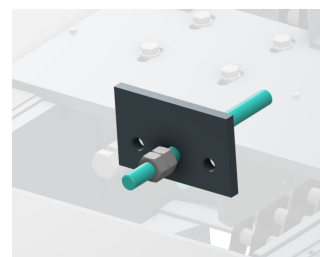
Pendulum Drive Triple Chain Inspection & Tension Procedure

Pendulum Drive Triple Chain Inspection

- 1 Remove the hatch plate adjacent to the drive chain guard to gain access to the triple chain tension assembly.



- 2 Observe the gap between the triple chain tension plate and jam nut. If the gap is 5mm or less, schedule a PM task to monitor the chain tension and evaluate if tensioning is necessary. If there is no gap, the chain must be tensioned.

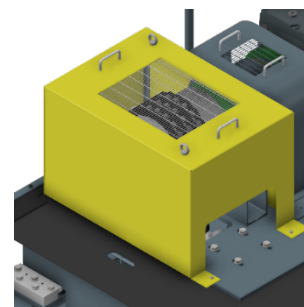


Pendulum Drive Triple Chain Tension

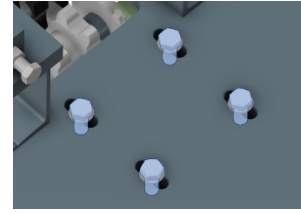
- 3 Return the hatch plate. Lock out power to the pendulum system per your plant's procedure.



- 4 Identify the proper chain to be tensioned and remove the drive chain guard from the upper platform by removing the M8 bolts (4).



- 4 Loosen the M20 mounting bolts (4).

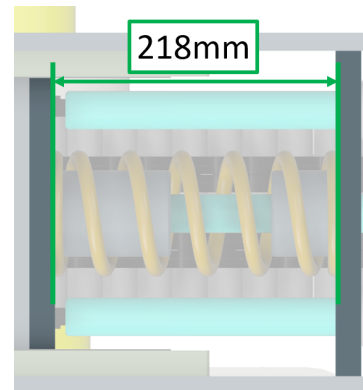


- 5 Remove the safety gate to gain access to the lower platform.

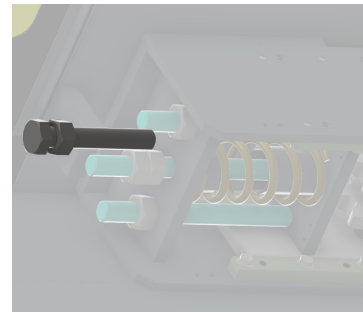


- 6 Measure the gap between the plates on either end of the spring. The gap length should be 218mm.

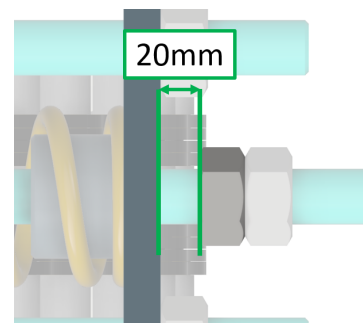
NOTE This dimension is critical in maintaining proper tension. If 218mm is not achieved, adjustments should be made accordingly.



- 7 Use the jackbolt on the back of the triple chain tension assembly to make necessary adjustments.



- 8 The set dimension for the jam nut gap is 20mm and should be returned after plate dimension is achieved from step 6.



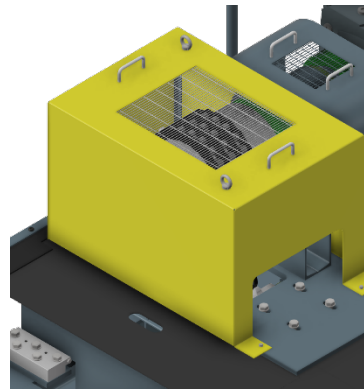
- 9 Return the safety gate to the lower platform.



- 10 Tighten the M20 mounting bolts (4).



- 11 Return the drive chain guard and access hatch from the upper platform and tighten the M8 bolts (4).



- 12 Return power to the system and run the drive to observe proper orientation and function. Repeat as necessary.



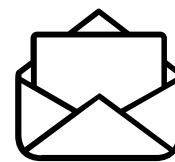
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