

**Unit** AEM72: Mechanical Drive  
**Academic Year & Term** 2019/2020 Term 3  
**Worksheet Title** Installing V-Belt

**Name**

**ID**

**Section**

**Date**

In the belt installation activity Match the tool with its function:

Sheave Gauge	<input type="text"/>	Check alignment of Sheaves.
Straight Edge	<input type="text"/>	Check for Sheave Groove Wear
Spirit level	<input type="text"/>	Check the vertical alignment of each sheave.
Amatrol tester	<input type="text"/>	Deflect the belt
The spring scale	<input type="text"/>	Measuring the force needed to deflect the belt a certain amount.

Determine the allowable belt deflection force for the following application.

Feature	Specification
Belt type	SPZ (un-cogged)
Sheave diameter	85 mm
Operating speed	2000 RPM
Belt age	New

Belt Deflection Force Range:  (Kg)

Refer to page 17 module 13 for Belt Deflection Force Table