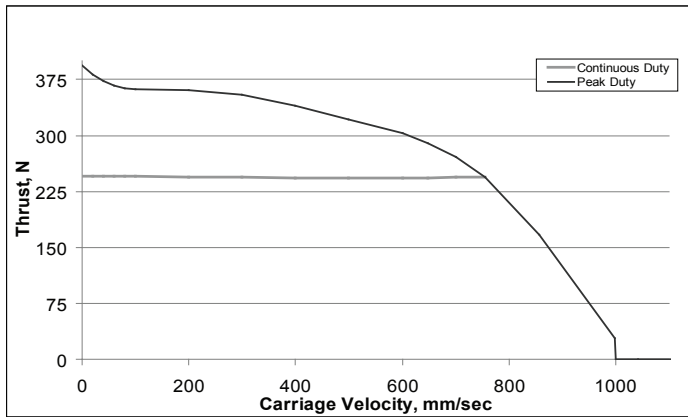


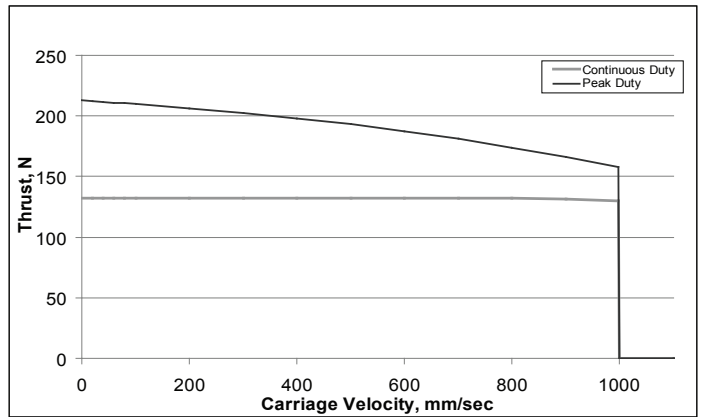
THRUST CURVES

VL-CT series - SM2316DT @ 48V, Direct Drive & 1:1 Pulley Offset



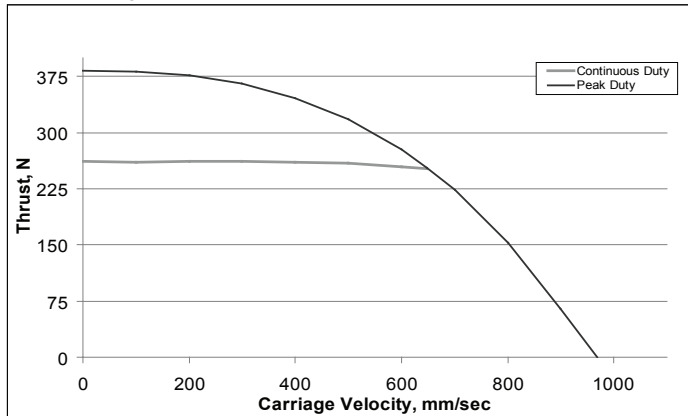
*220 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2316D @ 48V, Direct Drive & 1:1 Pulley Offset



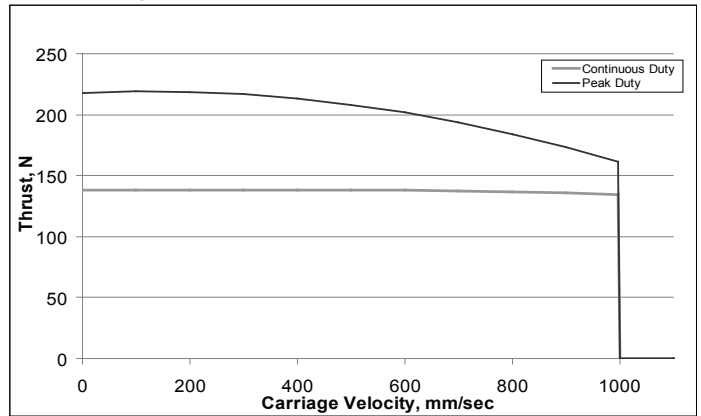
*132 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2316DT @ 42V, Direct Drive & 1:1 Pulley Offset



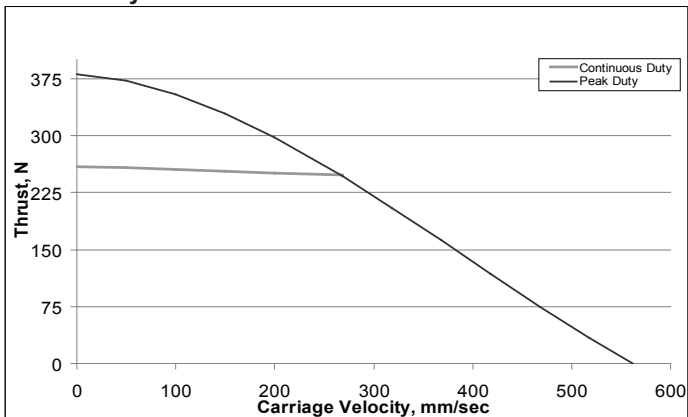
*220 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2316D @ 42V, Direct Drive & 1:1 Pulley Offset



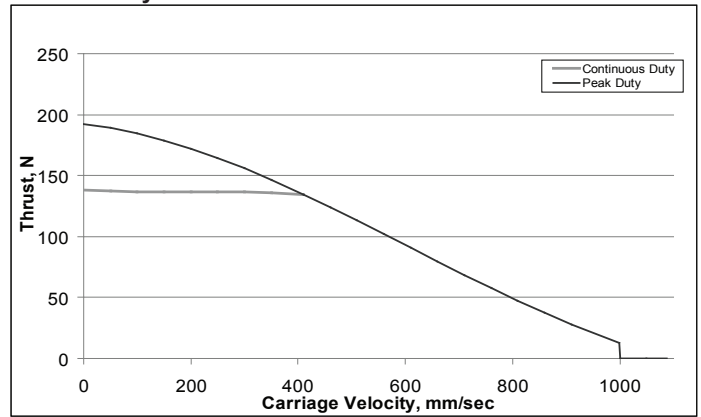
*132 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2316DT @ 24V, Direct Drive & 1:1 Pulley Offset



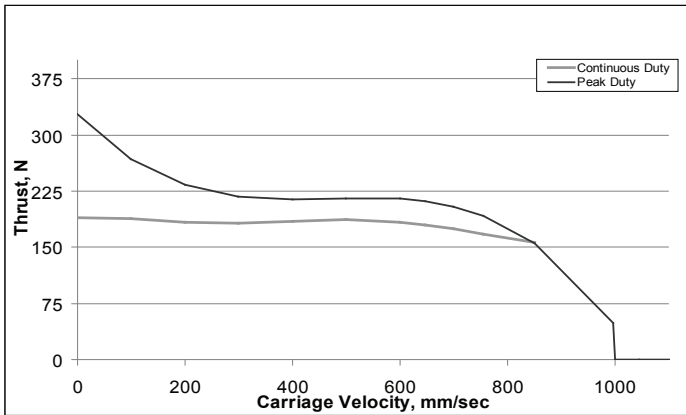
*220 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2316D @ 24V, Direct Drive & 1:1 Pulley Offset



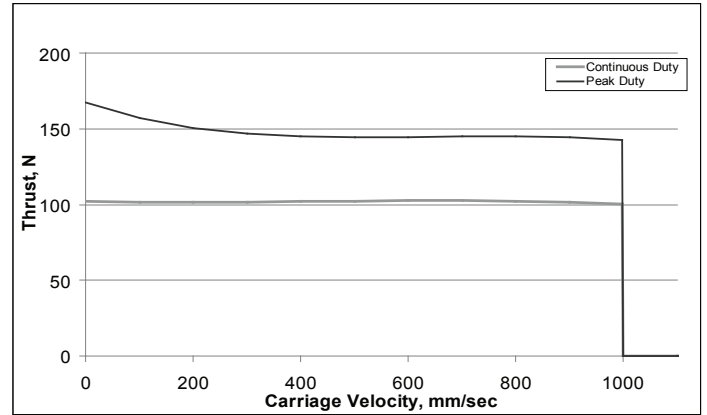
*132 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2315DT @ 48V, Direct Drive & 1:1 Pulley Offset



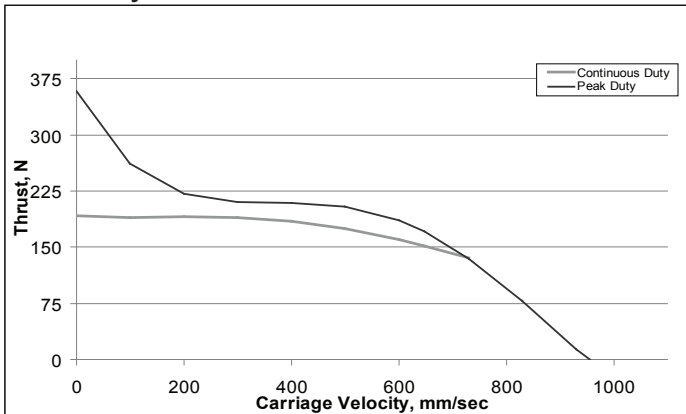
*190 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2315D @ 48V, Direct Drive & 1:1 Pulley Offset



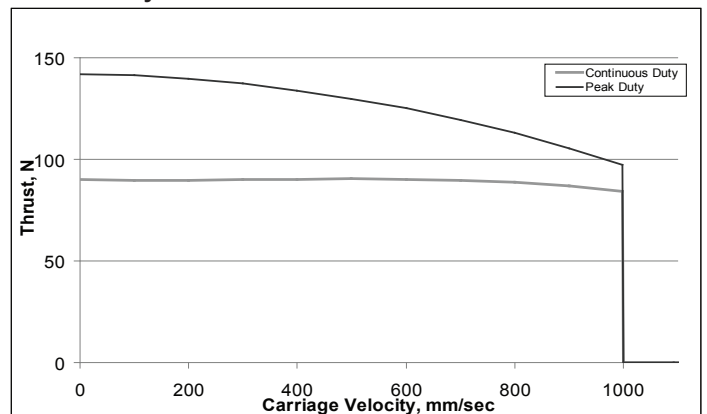
*101 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2315DT @ 42V, Direct Drive & 1:1 Pulley Offset



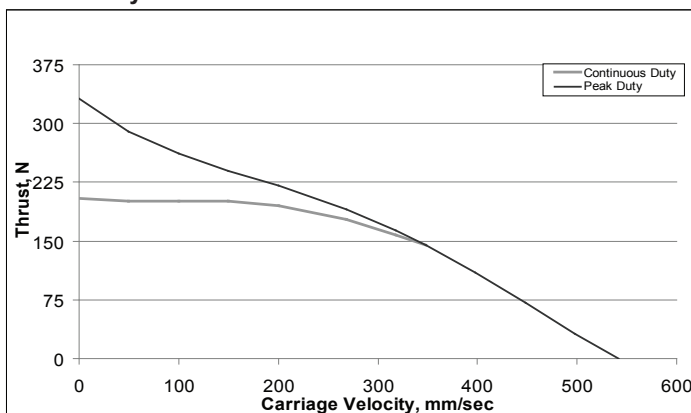
*190 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2315D @ 42V, Direct Drive & 1:1 Pulley Offset



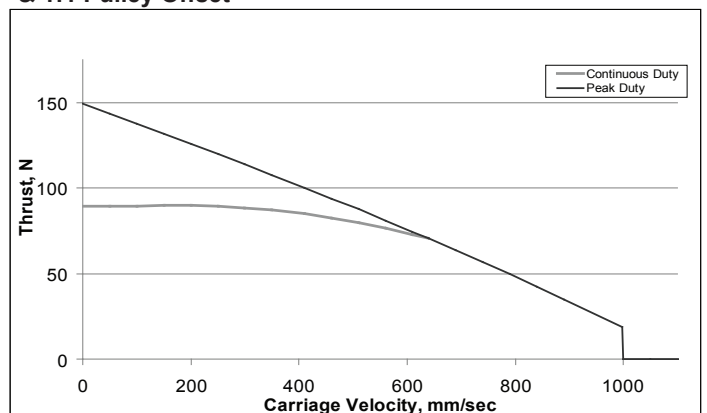
*101 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2315DT @ 24V, Direct Drive & 1:1 Pulley Offset



*190 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

VL-CT series - SM2315D @ 24V, Direct Drive & 1:1 Pulley Offset

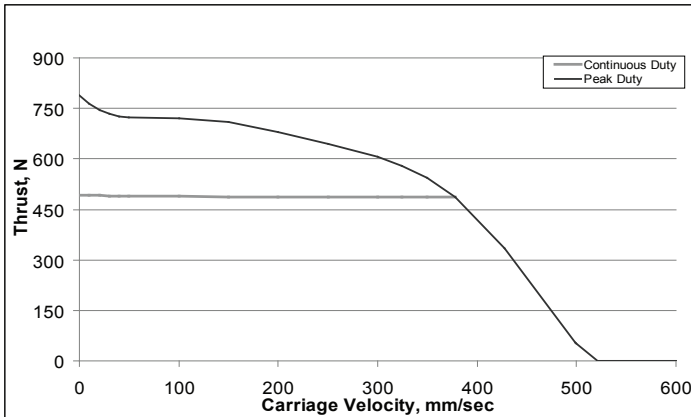


*101 N (VL-CT55) or 55 N (VL-CT35/45) Dynamic Thrust Limit for Basic Service Life when operated at critical speed limits

Thrust Curves VL-CT55 2:1 Pulley Offset • SM2316DT & SM2315DT

THRUST CURVES

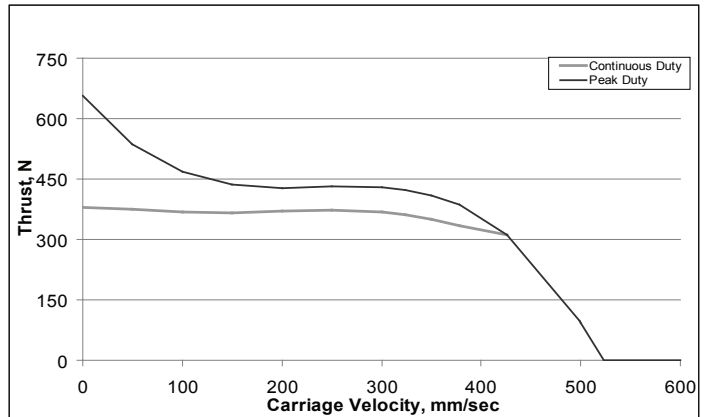
VL-CT55 - SM2316DT @ 48V, 2:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

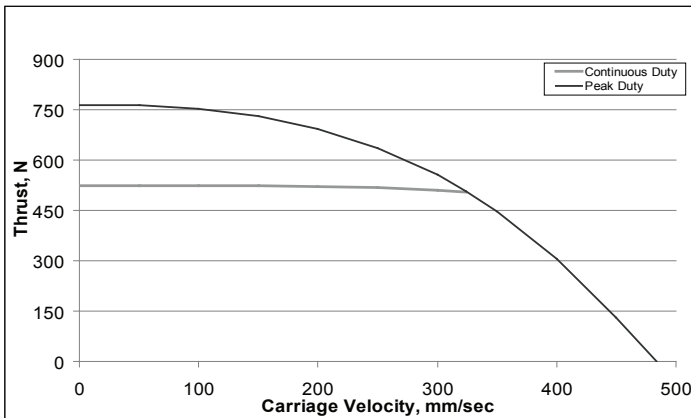
VL-CT55 - SM2315DT @ 48V, 2:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

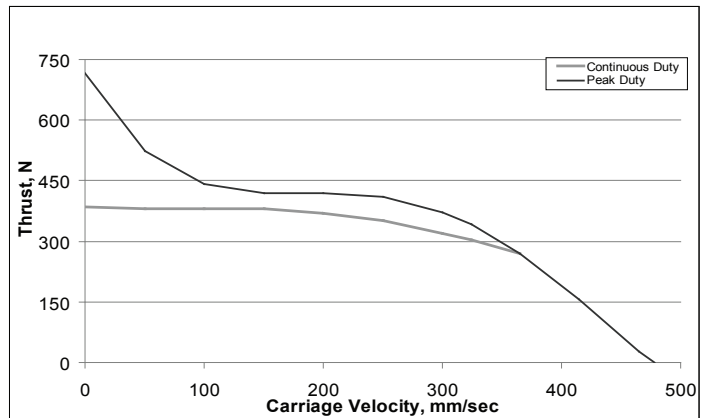
VL-CT55 - SM2316DT @ 42V, 2:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

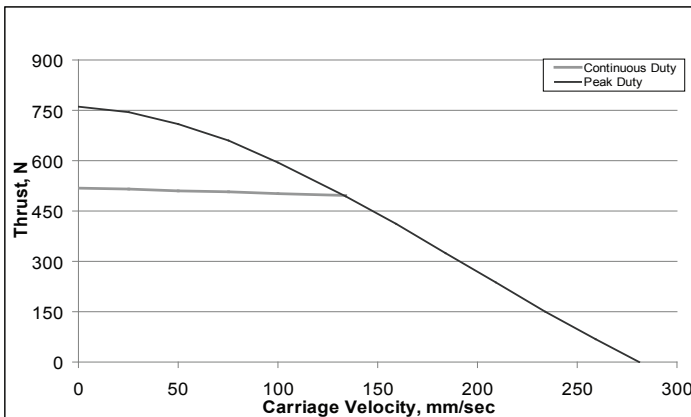
VL-CT55 - SM2315DT @ 42V, 2:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

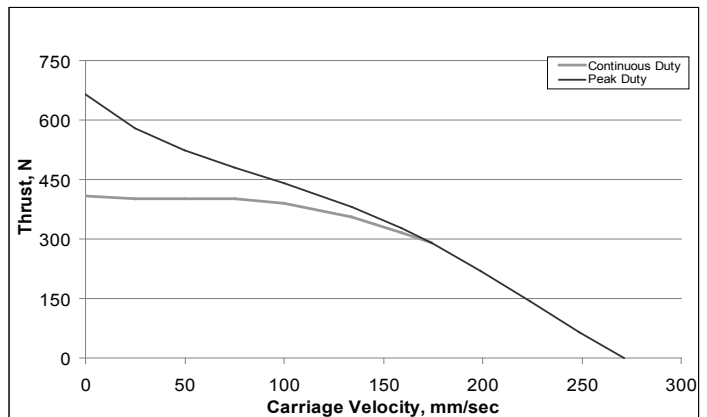
VL-CT55 - SM2316DT @ 24V, 2:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 100 mm/s at or below a 35 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

VL-CT55 series - SM2315DT @ 24V, 2:1 pulley offset

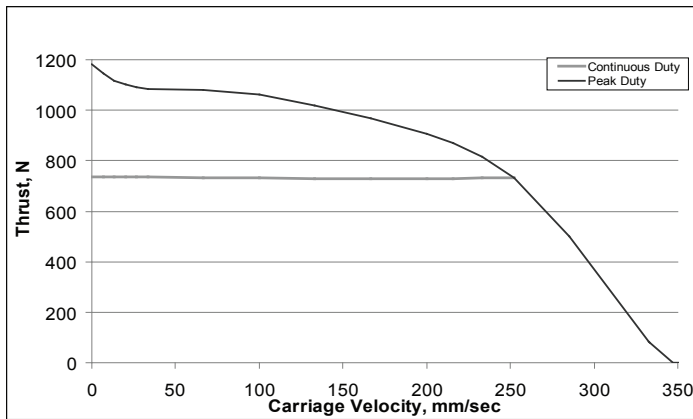


*15,000 hours of lifetime if operating at an average speed of 100 mm/s at or below a 35 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

Thrust Curves VL-CT55 3:1 Pulley Offset • SM2316DT & SM2315DT

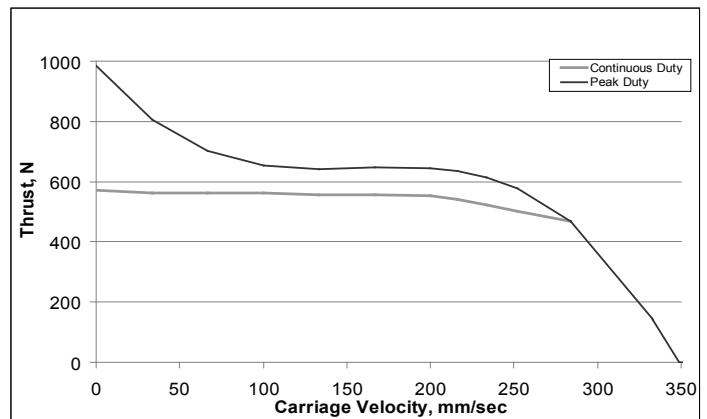
VL-CT55 - SM2316DT @ 48V, 3:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

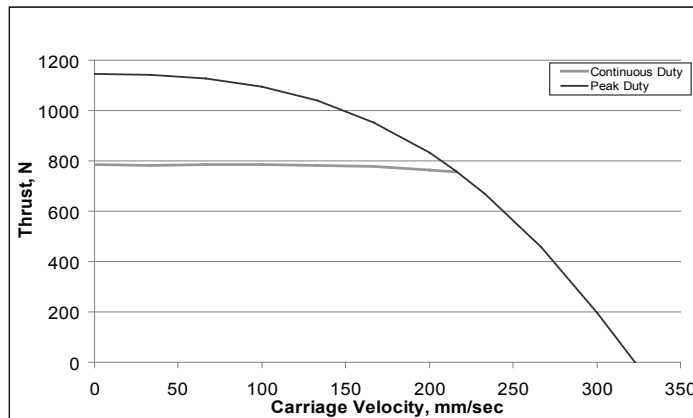
VL-CT55 - SM2315DT @ 48V, 3:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

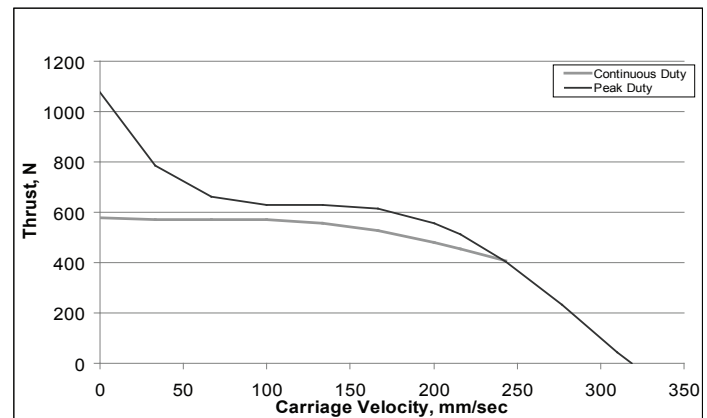
VL-CT55 - SM2316DT @ 42V, 3:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

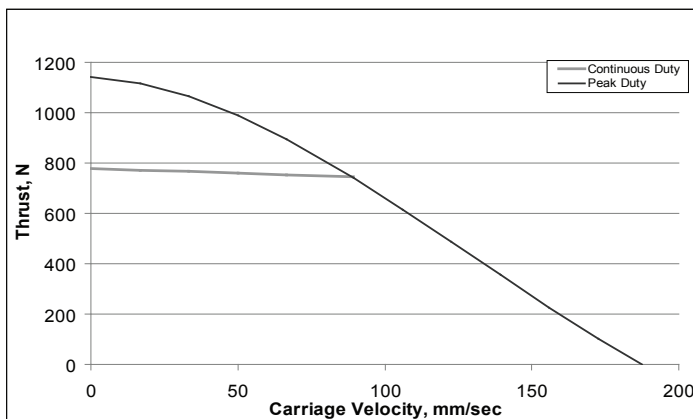
VL-CT55 - SM2315DT @ 42V, 3:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 200 mm/s at or below a 28 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

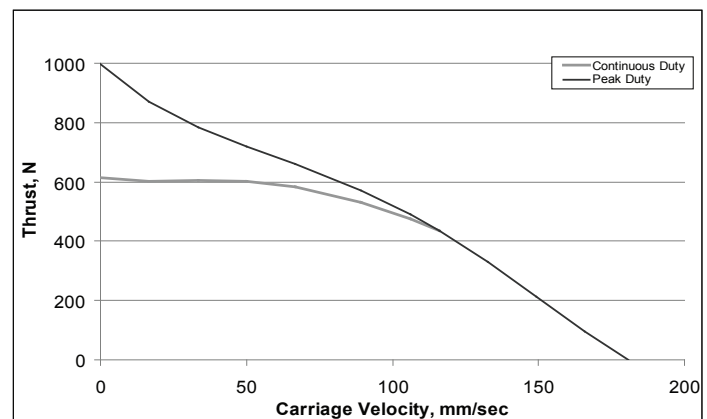
VL-CT55 - SM2316DT @ 24V, 3:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 100 mm/s at or below a 35 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

VL-CT55 - SM2315DT @ 24V, 3:1 pulley offset



*15,000 hours of lifetime if operating at an average speed of 100 mm/s at or below a 35 kg load.

**Please see pages 16-20 for lifetime, moment loading and ball screw critical speed limitations for the VL Series actuators.

THRUST CURVES