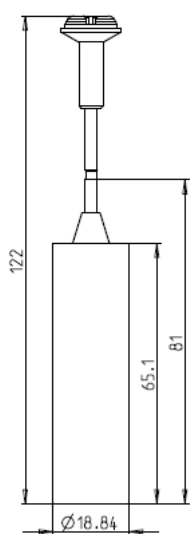


Spindle L1



Spindle made of stainless steel AISI 316L (1.4404 / 1.4435 / 1.4545). Equipped with Toolmaster™ and magnetic coupling. Intended for use with wide-rimmed sample vessel (typically 600 mL glass beakers).

The L1 spindle requires the use of spindle guard L

Dimensions in mm.

ViscoQC Model	Sample volume mL	SMC ^a	SRC ^b	YMC ^c	Minimum viscosity ^d Pa·s	Maximum viscosity Pa·s
L	500	6.4	---	---	0.015	@0.3 rpm: 20

a. Spindle Multiplier Constant

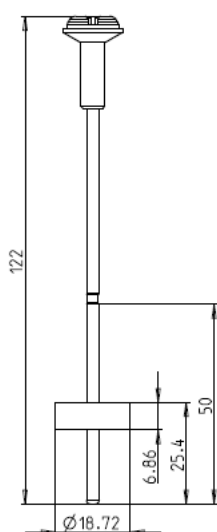
b. Shear Rate Constant – not available for relative measuring systems

c. Yield Multiplier Constant – for yield stress determination with vane spindles and V-Curve

d. Minimum viscosity limited to 15 mPa·s in order to avoid turbulent flow; applies to speeds > 50 rpm

- The default SCF (Spindle Correction Factor) is 1.
- Viscosity limits calculated for a torque range of 10 % to 100 % unless overruled by other limitations.

Spindle L2



Spindle made of stainless steel AISI 316L (1.4404 / 1.4435 / 1.4545). Equipped with Toolmaster™ and magnetic coupling. Intended for use with wide-rimmed sample vessel (typically 600 mL glass beakers).

The L2 spindle requires the use of spindle guard L.

Dimensions in mm.

ViscoQC Model	Sample volume mL	SMC ^a	SRC ^b	YMC ^c	Minimum viscosity ^d Pa·s	Maximum viscosity Pa·s
L	500	32.0	---	---	@60 rpm: 0.05	@0.3 rpm: 100

a. Spindle Multiplier Constant

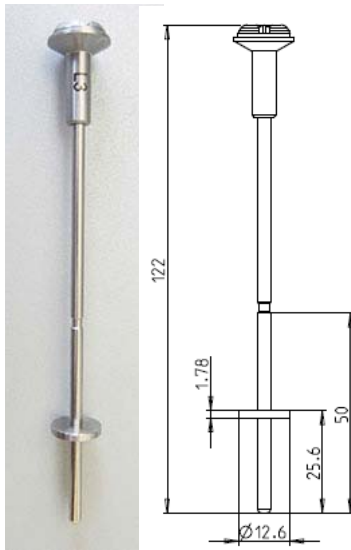
b. Shear Rate Constant – not available for relative measuring systems

c. Yield Multiplier Constant – for yield stress determination with vane spindles and V-Curve

d. Specified speed is the maximum standard speed of the specific ViscoQC model.

- The default SCF (Spindle Correction Factor) is 1.
- Viscosity limits calculated for a torque range of 10 % to 100 %.

Spindle L3



Spindle made of stainless steel AISI 316L (1.4404 / 1.4435 / 1.4545). Equipped with Toolmaster™ and magnetic coupling. Intended for use with wide-rimmed sample vessel (typically 600 mL glass beakers).

Dimensions in mm.

ViscoQC Model	Sample volume mL	SMC ^a	SRC ^b	YMC ^c	Minimum viscosity ^d Pa·s	Maximum viscosity Pa·s
L	500	128.0	---	---	@60 rpm: 0.2	@0.3 rpm: 400

a. Spindle Multiplier Constant

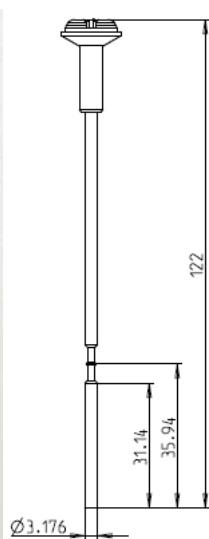
b. Shear Rate Constant – not available for relative measuring systems

c. Yield Multiplier Constant – for yield stress determination with vane spindles and V-Curve

d. Specified speed is the maximum standard speed of the specific ViscoQC model.

- The default SCF (Spindle Correction Factor) is 1.
- Viscosity limits calculated for a torque range of 10 % to 100 %.

Spindle L4



Spindle made of stainless steel AISI 316L (1.4404 / 1.4435 / 1.4545). Equipped with Toolmaster™ and magnetic coupling. Intended for use with wide-rimmed sample vessel (typically 600 mL glass beakers).

Dimensions in mm.

ViscoQC Model	Sample volume mL	SMC ^a	SRC ^b	YMC ^c	Minimum viscosity ^d Pa·s	Maximum viscosity Pa·s
L	500	640.0	---	---	@60 rpm: 1.0	@0.3 rpm: 2 000

a. Spindle Multiplier Constant

b. Shear Rate Constant – not available for relative measuring systems

c. Yield Multiplier Constant – for yield stress determination with vane spindles and V-Curve

d. Specified speed is the maximum standard speed of the specific ViscoQC model.

- The default SCF (Spindle Correction Factor) is 1.
- Viscosity limits calculated for a torque range of 10 % to 100 %.