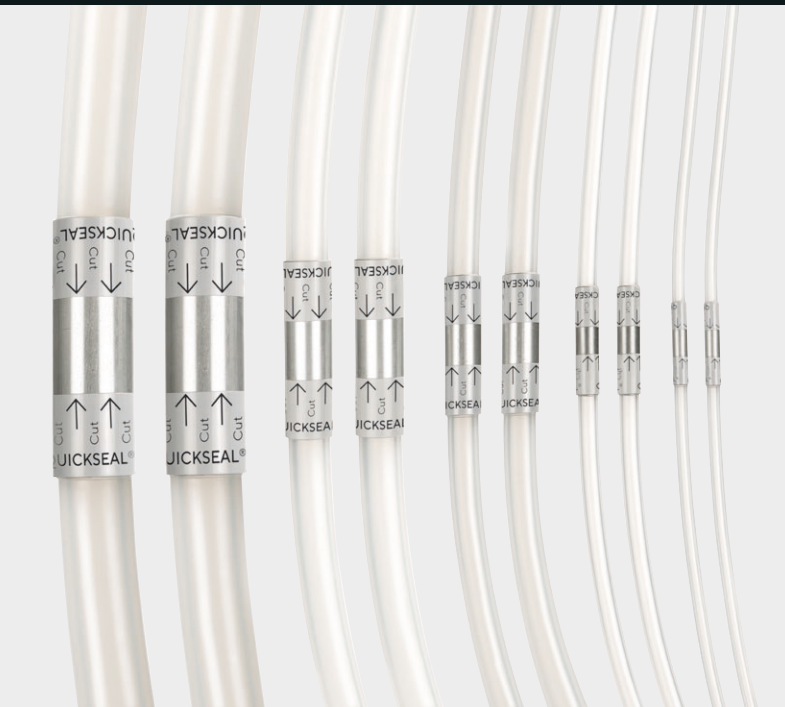


Quickseal[®]

Aseptic Disconnections

Product Information

Installed on an array of tube materials including platinum-cured and thermoplastic elastomers such as C-Flex[®] and Tuflux[®] TPE, Quickseal[®] is the quickest aseptic tube-separation technique available today. Extensively tested, Quickseal[®] is proven aseptic and the seal stronger than the tubing it is part of.



Applications

Quickseal[®] aseptic disconnections are used after fluid transfer to disconnect single-use transfer lines and bag or bottle assemblies used in biopharmaceutical applications. Quickseal[®] aseptic disconnections provide aseptic disconnection in non-classified and classified environments. It can be applied to multiple types and sizes of tubing.

Description

Quickseal® can be installed on a variety of tube materials across a range of tube sizes. The tubing runs continuously through the collar for an uninterrupted fluid path.

The Quickseal® collar is bonded to the outside of the tubing. The cut collar holds the walls of the tubing together to create the aseptic seal.

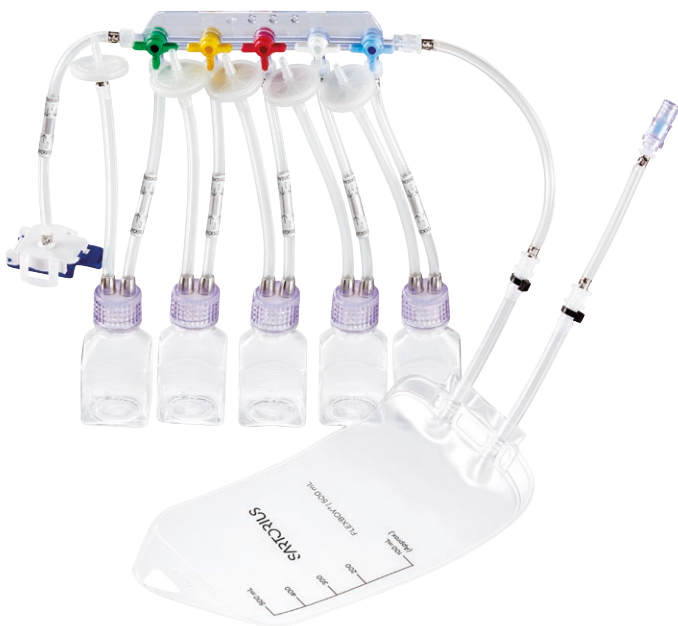
Quickseal® can be included as a component on single-use tube, bag or bottle assemblies, sampling manifolds, single-use bioreactors and more.

Quickseal® reduces operating time and improves reliability for biopharmaceutical and other high-purity fluid handling industries.



Collar is uncut

Collar has been cut and filter removed



Quickseal® collars on inlet line to each Mycap® bottle assembly

Technical Data

Specifications

Quickseal® Aseptic Disconnections

Tubing Dimensions	
OD inch	⅜" ¼" ⅜" ⅞" ½" ⅝" ¾" 1" 1⅜"
OD mm	3.2 6.4 9.6 11.1 12.7 15.9 19.0 25.4 28.6
Tubing Material	
	Silicone (Liveo PHARMA® 50 STHT-C®, Pumpsil®) TPE (C-Flex®, Tuflux® TPE) Ask about other tube materials
Quickseal® Position	Variable
Tubing Length	
inch	6" 12" 18" 24" 36"
mm	~150 305 460 610 915 Other tube lengths available on request
Sealing Time	<4 seconds
Operating Steps	1
Seal Type	Mechanical
Fluid Contact Material	Tubing Material
Component Material	Aluminum (3003)
Validation Testing	Container Closure (Ambient) Container Closure (Freeze Thaw) Burst Test Tensile Pull Test



⅜" | 3.2 mm

1⅜" | 28.6 mm

Please note:

Mycap® and Tuflux® TPE are registered trademarks of Sartorius Stedim Biotech C-Flex® and STHT-C® is a registered trademark of St. Gobain Liveo. Pharma® is a registered trademark of Dupont Polymers Inc.

Cutting Tool Specifications: Large Diameter Cutter

Quickseal® Collar Size Range	<or= 1 7/8" (28.6 mm)
Materials of Construction (Cutting Head)	Both jaws: 420 SS Cutter guard assembly: 304 SS
Weight	4 lbs (2.2 kg)
Width	2" (60 mm)
Depth	4 1/4" (108 mm)
Length	14 3/4" (375 mm)
Sound	< 80 dB at 1 meter
Vibration	< 2.5 m/s ²
Cutting Time	4 seconds
Closing Speed	6 mm/s
Cuts per Charge	≈300
Battery Voltage	18 V
Charging Time	20 min



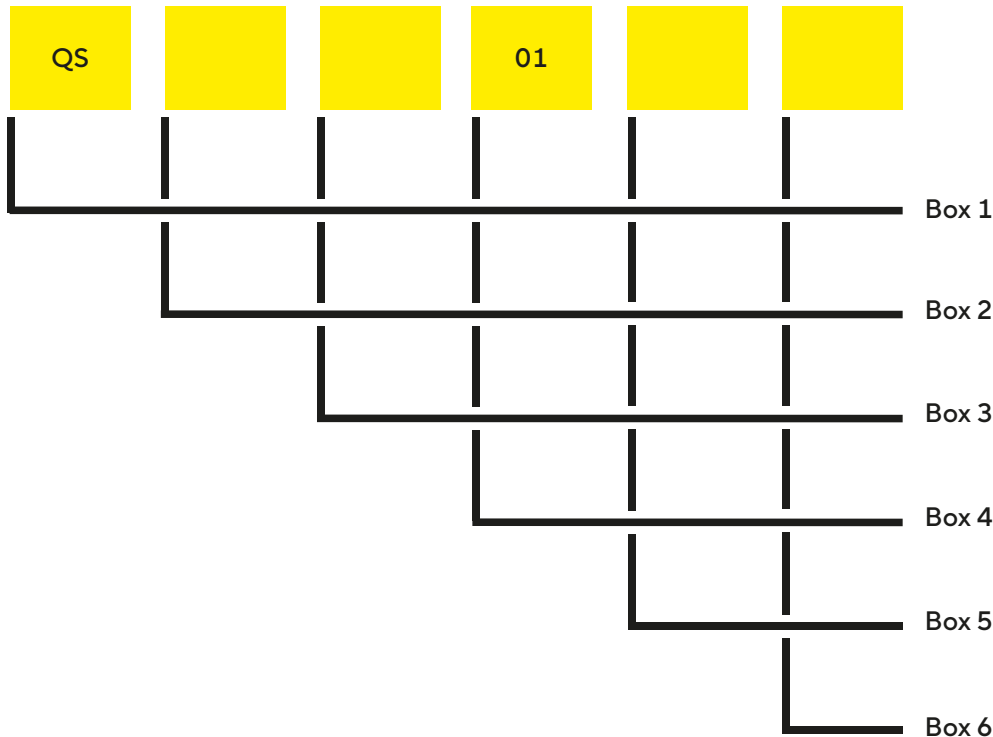
Cutting Tool Specifications: Small Diameter Cutter

Quickseal® Collar Size Range	<or= 3/4" (6.4 mm)
Materials of Construction	Body: 420 SS Jaws: Carbide inserts
Weight	3/4 lbs (345g)
Width	1/2" (13 mm)
Depth	1 1/8" (27 mm)
Length	8 1/8" (206 mm)



Ordering Information

Quickseal® can be included on a Sartorius single-use assembly or can be ordered as standalone component. Build the part number according to the instructions below to order Quickseal® as a standalone component.



Explanation

Box 1

Fixed Value (QS). Indicates Quickseal® product family.

Box 2

Indicates tubing material

P Platinum-cured silicone. Pumpsil® when 1/8" ID × 1/4" OD, STHT-C otherwise

A Advantaflex®

PD Platinum-cured silicone. Liveo® Pharma 50

C Thermoplastic Elastomer. C-Flex®

T Thermoplastic Elastomer. Tuflux® TPE inquire for other tubing materials.

Box 3

Indicates internal diameter (ID) and outer diameter (OD) of tubing

0204 1/8" ID × 1/4" OD

0406 1/4" ID × 3/8" OD

0407 1/4" ID × 7/8" OD

0610 3/8" ID × 5/8" OD

0812 1/2" ID × 3/4" OD

1218 3/4" ID × 1-1/8" OD

Box 4

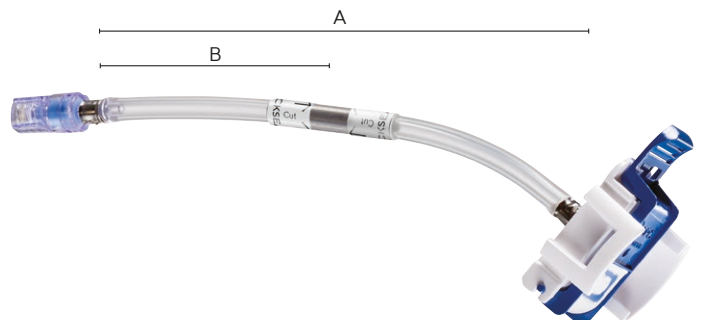
Fixed Value (01). Indicates number of collars on tube.

Box 5

Length from edge of tubing to center of Quickseal® collar. Dimension B on illustration.

Box 6

Overall Length (inches). Dimension A on illustration. Selections available as 6 inch increments.



Standard Reference Matrix

Quickseal® on C-Flex® 374	
Order Code	Description
QSC0204010306	C-Flex (374); 1/8"ID×1/4"OD, 6" OAL with Quickseal® at 03"
QSC0204010612	C-Flex (374); 1/8"ID×1/4"OD, 12" OAL with Quickseal® at 06"
QSC0204010618	C-Flex (374); 1/8"ID×1/4"OD, 18" OAL with Quickseal® at 06"
QSC0204010624	C-Flex (374); 1/8"ID×1/4"OD, 24" OAL with Quickseal® at 06"
QSC0204010636	C-Flex (374); 1/8"ID×1/4"OD, 36" OAL with Quickseal® at 06"
QSC0406010306	C-Flex (374); 1/4"ID×3/8"OD, 6" OAL with Quickseal® at 03"
QSC0406010612	C-Flex (374); 1/4"ID×3/8"OD, 12" OAL with Quickseal® at 06"
QSC0406010618	C-Flex (374); 1/4"ID×3/8"OD, 18" OAL with Quickseal® at 06"
QSC0406010624	C-Flex (374); 1/4"ID×3/8"OD, 24" OAL with Quickseal® at 06"
QSC0406010636	C-Flex (374); 1/4"ID×3/8"OD, 36" OAL with Quickseal® at 06"
QSC0407010306	C-Flex (374); 1/4"ID×7/16"OD, 6" OAL with Quickseal® at 03"
QSC0407010612	C-Flex (374); 1/4"ID×7/16"OD, 12" OAL with Quickseal® at 06"
QSC0407010618	C-Flex (374); 1/4"ID×7/16"OD, 18" OAL with Quickseal® at 06"
QSC0407010624	C-Flex (374); 1/4"ID×7/16"OD, 24" OAL with Quickseal® at 06"
QSC0407010636	C-Flex (374); 1/4"ID×7/16"OD, 36" OAL with Quickseal® at 06"
QSC0610010612	C-Flex (374); 3/8"ID×5/8"OD, 12" OAL with Quickseal® at 06"
QSC0610010618	C-Flex (374); 3/8"ID×5/8"OD, 18" OAL with Quickseal® at 06"
QSC0610010624	C-Flex (374); 3/8"ID×5/8"OD, 24" OAL with Quickseal® at 06"
QSC0610010636	C-Flex (374); 3/8"ID×5/8"OD, 36" OAL with Quickseal® at 06"
QSC0812010612	C-Flex (374); 1/2"ID×3/4"OD, 12" OAL with Quickseal® at 06"
QSC0812010618	C-Flex (374); 1/2"ID×3/4"OD, 18" OAL with Quickseal® at 06"
QSC0812010624	C-Flex (374); 1/2"ID×3/4"OD, 24" OAL with Quickseal® at 06"
QSC0812010636	C-Flex (374); 1/2"ID×3/4"OD, 36" OAL with Quickseal® at 06"

QSC1218010612	C-Flex (374); 3/4"ID×1.125"OD, 12" OAL with Quickseal® at 06"
QSC1218010618	C-Flex (374); 3/4"ID×1.125"OD, 18" OAL with Quickseal® at 06"
QSC1218010624	C-Flex (374); 3/4"ID×1.125"OD, 24" OAL with Quickseal® at 06"
QSC1218010636	C-Flex (374); 3/4"ID×1.125"OD, 36" OAL with Quickseal® at 06"

Quickseal® on Tuflux® TPE	
Order Code	Description
QST0204010306	Tuflux TPE; 1/8"ID×1/4"OD, 6" OAL with Quickseal® at 03"
QST0204010612	Tuflux TPE; 1/8"ID×1/4"OD, 12" OAL with Quickseal® at 06"
QST0204010618	Tuflux TPE; 1/8"ID×1/4"OD, 18" OAL with Quickseal® at 06"
QST0204010624	Tuflux TPE; 1/8"ID×1/4"OD, 24" OAL with Quickseal® at 06"
QST0204010636	Tuflux TPE; 1/8"ID×1/4"OD, 36" OAL with Quickseal® at 06"
QST0406010306	Tuflux TPE; 1/4"ID×3/8"OD, 6" OAL with Quickseal® at 03"
QST0406010612	Tuflux TPE; 1/4"ID×3/8"OD, 12" OAL with Quickseal® at 06"
QST0406010618	Tuflux TPE; 1/4"ID×3/8"OD, 18" OAL with Quickseal® at 06"
QST0406010624	Tuflux TPE; 1/4"ID×3/8"OD, 24" OAL with Quickseal® at 06"
QST0406010636	Tuflux TPE; 1/4"ID×3/8"OD, 36" OAL with Quickseal® at 06"
QST0407010306	Tuflux TPE; 1/4"ID×7/16"OD, 6" OAL with Quickseal® at 03"
QST0407010612	Tuflux TPE; 1/4"ID×7/16"OD, 12" OAL with Quickseal® at 06"
QST0407010618	Tuflux TPE; 1/4"ID×7/16"OD, 18" OAL with Quickseal® at 06"
QST0407010624	Tuflux TPE; 1/4"ID×7/16"OD, 24" OAL with Quickseal® at 06"
QST0407010636	Tuflux TPE; 1/4"ID×7/16"OD, 36" OAL with Quickseal® at 06"
QST0610010612	Tuflux TPE; 3/8"ID×5/8"OD, 12" OAL with Quickseal® at 06"
QST0610010618	Tuflux TPE; 3/8"ID×5/8"OD, 18" OAL with Quickseal® at 06"
QST0610010624	Tuflux TPE; 3/8"ID×5/8"OD, 24" OAL with Quickseal® at 06"
QST0610010636	Tuflux TPE; 3/8"ID×5/8"OD, 36" OAL with Quickseal® at 06"

QST0812010612	Tuflux TPE; 1/2"ID×3/4"OD, 12" OAL with Quickseal® at 06"
QST0812010618	Tuflux TPE; 1/2"ID×3/4"OD, 18" OAL with Quickseal® at 06"
QST0812010624	Tuflux TPE; 1/2"ID×3/4"OD, 24" OAL with Quickseal® at 06"
QST0812010636	Tuflux TPE; 1/2"ID×3/4"OD, 36" OAL with Quickseal® at 06"
QST1218010612	Tuflux TPE; 3/4"ID×1.125"OD, 12" OAL with Quickseal® at 06"
QST1218010618	Tuflux TPE; 3/4"ID×1.125"OD, 18" OAL with Quickseal® at 06"
QST1218010624	Tuflux TPE; 3/4"ID×1.125"OD, 24" OAL with Quickseal® at 06"
QST1218010636	Tuflux TPE; 3/4"ID×1.125"OD, 36" OAL with Quickseal® at 06"

Quickseal® on Advantaflex®

Order Code	Description
QSA0204010306	Advantaflex®; 1/8"ID×1/4"OD, 6" OAL with Quickseal® at 03"
QSA0204010612	Advantaflex®; 1/8"ID×1/4"OD, 12" OAL with Quickseal® at 06"
QSA0204010618	Advantaflex®; 1/8"ID×1/4"OD, 18" OAL with Quickseal® at 06"
QSA0204010624	Advantaflex®; 1/8"ID×1/4"OD, 24" OAL with Quickseal® at 06"
QSA0204010636	Advantaflex®; 1/8"ID×1/4"OD, 36" OAL with Quickseal® at 06"
QSA0406010306	Advantaflex®; 1/4"ID×3/8"OD, 6" OAL with Quickseal® at 03"
QSA0406010612	Advantaflex®; 1/4"ID×3/8"OD, 12" OAL with Quickseal® at 06"
QSA0406010618	Advantaflex®; 1/4"ID×3/8"OD, 18" OAL with Quickseal® at 06"
QSA0406010624	Advantaflex®; 1/4"ID×3/8"OD, 24" OAL with Quickseal® at 06"
QSA0406010636	Advantaflex®; 1/4"ID×3/8"OD, 36" OAL with Quickseal® at 06"
QSA0407010306	Advantaflex®; 1/4"ID×7/16"OD, 6" OAL with Quickseal® at 03"
QSA0407010612	Advantaflex®; 1/4"ID×7/16"OD, 12" OAL with Quickseal® at 06"
QSA0407010618	Advantaflex®; 1/4"ID×7/16"OD, 18" OAL with Quickseal® at 06"
QSA0407010624	Advantaflex®; 1/4"ID×7/16"OD, 24" OAL with Quickseal® at 06"
QSA0407010636	Advantaflex®; 1/4"ID×7/16"OD, 36" OAL with Quickseal® at 06"
QSA0610010612	Advantaflex®; 3/8"ID×5/8"OD, 12" OAL with Quickseal® at 06"

QSA0610010618	Advantaflex®; 3/8"ID×5/8"OD, 18" OAL with Quickseal® at 06"
QSA0610010624	Advantaflex®; 3/8"ID×5/8"OD, 24" OAL with Quickseal® at 06"
QSA0610010636	Advantaflex®; 3/8"ID×5/8"OD, 36" OAL with Quickseal® at 06"
QSA0812010612	Advantaflex®; 1/2"ID×3/4"OD, 12" OAL with Quickseal® at 06"
QSA0812010618	Advantaflex®; 1/2"ID×3/4"OD, 18" OAL with Quickseal® at 06"
QSA0812010624	Advantaflex®; 1/2"ID×3/4"OD, 24" OAL with Quickseal® at 06"
QSA0812010636	Advantaflex®; 1/2"ID×3/4"OD, 36" OAL with Quickseal® at 06"

Quickseal® on Dow Pharma 50

Order Code	Description
QSPD0204010306	Dow Pharma 50 sil.; 1/8"ID×1/4"OD, 6" OAL with Quickseal® at 03"
QSPD0204010612	Dow Pharma 50 sil.; 1/8"ID×1/4"OD, 12" OAL with Quickseal® at 06"
QSPD0204010618	Dow Pharma 50 sil.; 1/8"ID×1/4"OD, 18" OAL with Quickseal® at 06"
QSPD0204010624	Dow Pharma 50 sil.; 1/8"ID×1/4"OD, 24" OAL with Quickseal® at 06"
QSPD0204010636	Dow Pharma 50 sil.; 1/8"ID×1/4"OD, 36" OAL with Quickseal® at 06"
QSPD0406010306	Dow Pharma 50 sil.; 1/4"ID×3/8"OD, 6" OAL with Quickseal® at 03"
QSPD0406010612	Dow Pharma 50 sil.; 1/4"ID×3/8"OD, 12" OAL with Quickseal® at 06"
QSPD0406010618	Dow Pharma 50 sil.; 1/4"ID×3/8"OD, 18" OAL with Quickseal® at 06"
QSPD0406010624	Dow Pharma 50 sil.; 1/4"ID×3/8"OD, 24" OAL with Quickseal® at 06"
QSPD0406010636	Dow Pharma 50 sil.; 1/4"ID×3/8"OD, 36" OAL with Quickseal® at 06"
QSPD0407010306	Dow Pharma 50 sil.; 1/4"ID×7/16"OD, 6" OAL with Quickseal® at 03"
QSPD0407010612	Dow Pharma 50 sil.; 1/4"ID×7/16"OD, 12" OAL with Quickseal® at 06"
QSPD0407010618	Dow Pharma 50 sil.; 1/4"ID×7/16"OD, 18" OAL with Quickseal® at 06"
QSPD0407010624	Dow Pharma 50 sil.; 1/4"ID×7/16"OD, 24" OAL with Quickseal® at 06"
QSPD0407010636	Dow Pharma 50 sil.; 1/4"ID×7/16"OD, 36" OAL with Quickseal® at 06"
QSPD0610010612	Dow Pharma 50 sil.; 3/8"ID×5/8"OD, 12" OAL with Quickseal® at 06"
QSPD0610010618	Dow Pharma 50 sil.; 3/8"ID×5/8"OD, 18" OAL with Quickseal® at 06"

QSPD0610010624	Dow Pharma 50 sil.; 3/8"ID×5/8"OD, 24" OAL with Quickseal® at 06"
QSPD0610010636	Dow Pharma 50 sil.; 3/8"ID×5/8"OD, 36" OAL with Quickseal® at 06"
QSPD0812010612	Dow Pharma 50 sil.; 1/2"ID×3/4"OD, 12" OAL with Quickseal® at 06"
QSPD0812010618	Dow Pharma 50 sil.; 1/2"ID×3/4"OD, 18" OAL with Quickseal® at 06"
QSPD0812010624	Dow Pharma 50 sil.; 1/2"ID×3/4"OD, 24" OAL with Quickseal® at 06"
QSPD0812010636	Dow Pharma 50 sil.; 1/2"ID×3/4"OD, 36" OAL with Quickseal® at 06"
QSPD1218010612	Dow Pharma 50 sil.; 3/4"ID×1.125"OD, 12" OAL with Quickseal® at 06"
QSPD1218010618	Dow Pharma 50 sil.; 3/4"ID×1.125"OD, 18" OAL with Quickseal® at 06"
QSPD1218010624	Dow Pharma 50 sil.; 3/4"ID×1.125"OD, 24" OAL with Quickseal® at 06"
QSPD1218010636	Dow Pharma 50 sil.; 3/4"ID×1.125"OD, 36" OAL with Quickseal® at 06"

Quickseal® on Pumpsil® and STHT-C

Order Code	Description
QSP0204010306	PumpSil sil.; 1/8"ID×1/4"OD, 6" OAL with Quickseal® at 03"
QSP0204010612	PumpSil sil.; 1/8"ID×1/4"OD, 12" OAL with Quickseal® at 06"
QSP0204010618	PumpSil sil.; 1/8"ID×1/4"OD, 18" OAL with Quickseal® at 06"
QSP0204010624	PumpSil sil.; 1/8"ID×1/4"OD, 24" OAL with Quickseal® at 06"
QSP0204010636	PumpSil sil.; 1/8"ID×1/4"OD, 36" OAL with Quickseal® at 06"
QSP0406010306	STHT-C sil.; 1/4"ID×3/8"OD, 6" OAL with Quickseal® at 03"
QSP0406010612	STHT-C sil.; 1/4"ID×3/8"OD, 12" OAL with Quickseal® at 06"
QSP0406010618	STHT-C sil.; 1/4"ID×3/8"OD, 18" OAL with Quickseal® at 06"
QSP0406010624	STHT-C sil.; 1/4"ID×3/8"OD, 24" OAL with Quickseal® at 06"
QSP0406010636	STHT-C sil.; 1/4"ID×3/8"OD, 36" OAL with Quickseal® at 06"
QSP0407010306	STHT-C sil.; 1/4"ID×7/16"OD, 6" OAL with Quickseal® at 03"
QSP0407010612	STHT-C sil.; 1/4"ID×7/16"OD, 12" OAL with Quickseal® at 06"
QSP0407010618	STHT-C sil.; 1/4"ID×7/16"OD, 18" OAL with Quickseal® at 06"
QSP0407010624	STHT-C sil.; 1/4"ID×7/16"OD, 24" OAL with Quickseal® at 06"

QSP0407010636	STHT-C sil.; 1/4"ID×7/16"OD, 36" OAL with Quickseal® at 06"
QSP0610010612	STHT-C sil.; 3/8"ID×5/8"OD, 12" OAL with Quickseal® at 06"
QSP0610010618	STHT-C sil.; 3/8"ID×5/8"OD, 18" OAL with Quickseal® at 06"
QSP0610010624	STHT-C sil.; 3/8"ID×5/8"OD, 24" OAL with Quickseal® at 06"
QSP0610010636	STHT-C sil.; 3/8"ID×5/8"OD, 36" OAL with Quickseal® at 06"
QSP0812010612	STHT-C sil.; 1/2"ID×3/4"OD, 12" OAL with Quickseal® at 06"
QSP0812010618	STHT-C sil.; 1/2"ID×3/4"OD, 18" OAL with Quickseal® at 06"
QSP0812010624	STHT-C sil.; 1/2"ID×3/4"OD, 24" OAL with Quickseal® at 06"
QSP0812010636	STHT-C sil.; 1/2"ID×3/4"OD, 36" OAL with Quickseal® at 06"
QSP1218010612	STHT-C sil.; 3/4"ID×1.125"OD, 12" OAL with Quickseal® at 06"
QSP1218010618	STHT-C sil.; 3/4"ID×1.125"OD, 18" OAL with Quickseal® at 06"
QSP1218010624	STHT-C sil.; 3/4"ID×1.125"OD, 24" OAL with Quickseal® at 06"
QSP1218010636	STHT-C sil.; 3/4"ID×1.125"OD, 36" OAL with Quickseal® at 06"

Quickseal® Protective Caps

The Quickseal® protective caps can be installed after collars are cut. The caps are made from flexible and durable silicone. They are suitable for a wide range of temperatures.

Installation is simple:

1. Grasp the cap near the open end between index finger and thumb
2. Squeeze the cap until the opening is wide enough for the cut Quickseal® collar
3. Insert the Quickseal® collar and release



Order Code	Description
QS04CAPSILNT	Silicone protection caps for ¼" (6.4 mm) OD Quickseal® collars (pack of 50)
QS06CAPSILNT	Silicone protection caps for ⅜" (9.6 mm) OD Quickseal® collars (pack of 50)
QS07CAPSILNT	Silicone protection caps for ⅜" (11.1 mm) OD Quickseal® collars (pack of 50)
QS08CAPSILNT	Silicone protective caps for ½" (12.7 mm) OD Quickseal® collars (pack of 50)
QS10CAPSILNT	Silicone protection caps for ⅝" (16 mm) OD Quickseal® collars (pack of 50)
QS12CAPSILNT	Silicone protection caps for ¾" (19.0 mm) OD Quickseal® collars (pack of 50)
QS18CAPSILNT	Silicone protection caps for 1 ⅜" (28.5 mm) OD Quickseal® collars (pack of 50)

Quickseal® Cutting Tools

The Quickseal® cutting tools were designed for single-person operation with safety, simplicity and portability in mind. Place the collar in the cutting and cut the Quickseal® collar.




Order Code	Description
QSCUTTERSD	Small diameter Quickseal® cutter for tubes up to ¼" (6.4 mm) OD
QSCUTTERLD	Large diameter Quickseal® cutter for tubes up to 1 ⅜" (28.6 mm) OD; 120V battery charger and two 18V batteries
QSCUTTERLD230V	Large diameter Quickseal® cutter for tubes up to 1 ⅜" (28.6 mm) OD; 230V battery charger and two 18V batteries

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Specifications subject to change without notice.

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