

DATASHEET

PART NUMBER

WES599-SSCN-TF

**Wescon 599 Stainless Steel Microstop - 1/4-28 -
5/8" Cutter Capacity - Slotted Straight Cutaway
Nylon Foot**

10 DEGREE PIVOTING SHAFT (SWIVEL SHAFT) / HIGH
SPEED HEAVY DUTY STAINLESS STEEL

WEBSITE

<https://www.wesconusa.com/products/WES599-SSCN-TF>



* The image represents the general look of the series. Actual product may vary based on options selected.

The Wescon 599 Series Microstop is the stainless steel version of the 598, a high speed, heavy duty microstop countersink cage with a 10 degree pivoting shaft that angles into hard-to-reach holes a straight shaft cannot reach. Stainless steel construction makes it more durable and corrosion resistant than the standard alloy unit. It has dual ball bearings rated to 10,000 rpm, heavy duty thrust bearing, integrated dust seal and solid stop, 0.300 in (7.60 mm) of shaft travel and 0.0005 in (0.013 mm) incremental adjustment on a 1/4 in shaft. Swivel shafts are offered in round, tri-flat (TF) and quick change (QC) styles with 1/4-28, M6x1 or M8x1 cutter threads, twelve skirt styles, and nylon, steel or phenolic feet.

SPECIFICATIONS

Measurement Type	Imperial
Bearing Rating	10,000 rpm
Bearing Type	Dual Ball Bearings
Heavy Duty Thrust Bearing	Yes
Incremental Adjustment	0.0005 in
Shaft Travel	0.300 in
Dust Seal	Integrated Dust Seal
Cutter Thread	1/4-28
Shaft	Tri-Flat - Pivoting / Swivel Shaft
Shaft Diameter	1/4 in
Cutter Capacity	5/8 in
Skirt	Slotted Straight Cutaway Nylon Foot

Skirt Description	1 in OD 0.69 in ID 5/8 in Cutter Capacity
Solid Stop	Yes
Material	Stainless Steel
Country of Origin	USA

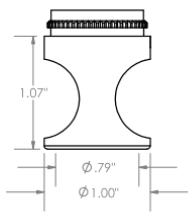
WES599-SSCN-TF
September 09, 2026

Page 3 of 6

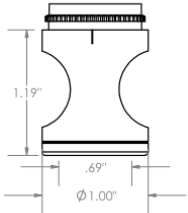


Revision 07	All dimensions are in Inches	Information in this drawing is provided for reference only
-------------	------------------------------	--

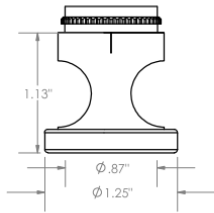
Skirt Option



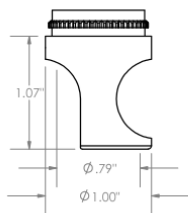
S
Straight
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



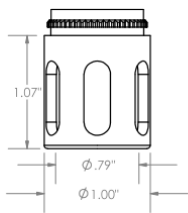
I
Internal Thread*
Cutter $\phi 5/8"$ ($\phi 15\text{mm}$)



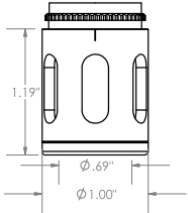
E
External Thread*
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



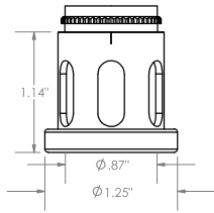
SCA
Straight Cutaway
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



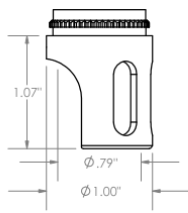
SL
Slotted
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



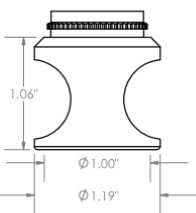
SI
Slotted Internal Thread*
Cutter $\phi 5/8"$ ($\phi 15\text{mm}$)



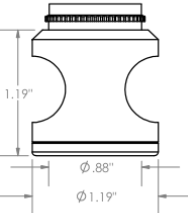
SE
Slotted External Thread*
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



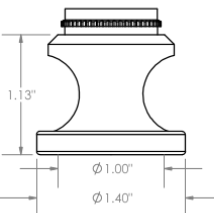
SSCA
Slotted Straight Cutaway
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



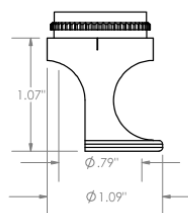
B
Bell
Cutter $\phi 7/8"$ ($\phi 22\text{mm}$)



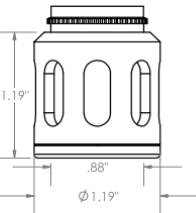
BI
Bell Internal Thread*
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



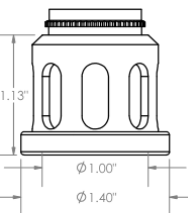
BE
Bell External Thread*
Cutter $\phi 7/8"$ ($\phi 22\text{mm}$)



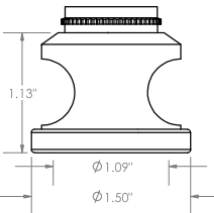
FCA
Flanged Cutaway
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



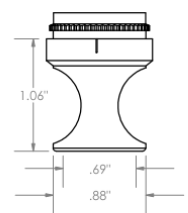
SBI
Slotted Bell Internal Thread*
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



SBE
Slotted Bell External Thread*
Cutter $\phi 7/8"$ ($\phi 22\text{mm}$)



BWE
Bell Wide External Thread*
Cutter $\phi 1"$ ($\phi 25\text{mm}$)



S-875
Straight 0.875 in OD
Cutter $\phi 5/8"$ ($\phi 15\text{mm}$)



Part Number

WES599

*Select foot style from table
Continued In Next Page.

Do not modify, copy,
distribute, or reproduce
this drawing without prior
written authorization.

© 2025 Wescon Industries Inc.
601 Century Plaza Dr. Houston, TX 77073, US
www.wesconusa.com

Wescon 599 Microstop

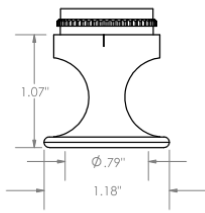
Revision 07

All dimensions are in Inches

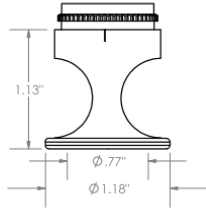
Information in this drawing is provided for reference only

Image 2

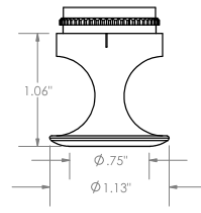
Skirt Option (Continuation)



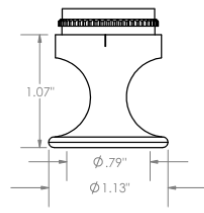
F
Flanged
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



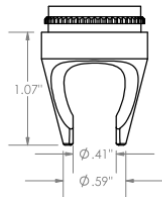
FH
Flanged High
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



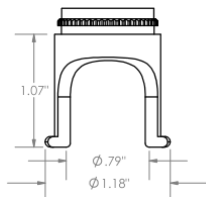
SF
Spherical Flanged
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



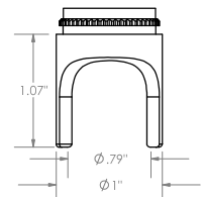
F-1125
Flanged 1.125 in OD
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



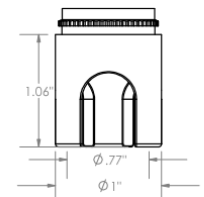
C
Close Quarters
Cutter $\Phi 3/8"$ ($\Phi 10\text{mm}$)



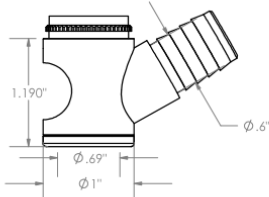
F2L
Flanged 2-Leg
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



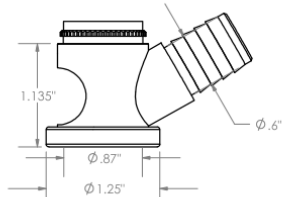
S2L
2-Leg
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



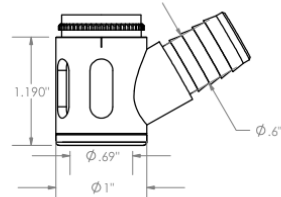
S3L
3-Leg
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



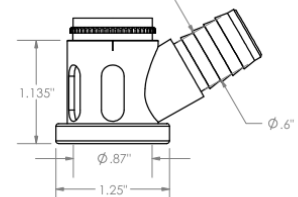
WVI
Vacuum Internal Thread*
Cutter $\Phi 5/8"$ ($\Phi 15\text{mm}$)



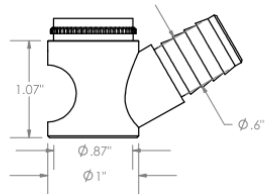
WVE
Vacuum External Thread*
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



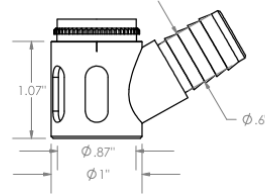
SVI
Slotted Vacuum Internal Thread*
Cutter $\Phi 5/8"$ ($\Phi 15\text{mm}$)



SVE
Slotted Vacuum External Thread*
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



WVS
Vacuum Straight
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



SVS
Slotted Vacuum Straight
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)

*Select foot style from table

Revision 07

Do not modify, copy, distribute, or reproduce this drawing without prior written authorization.

All dimensions are in inches



© 2025 Wescon Industries Inc.
601 Century Plaza Dr. Houston, TX 77073, US
www.wesconusa.com

Information in this drawing is provided for reference only

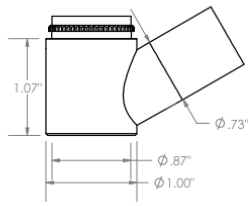
Part Number

WES599

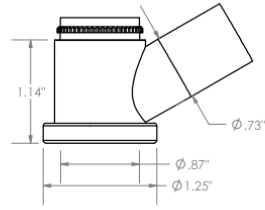
Wescon 599 Microstop

Image 3

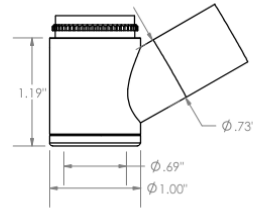
Skirt Option



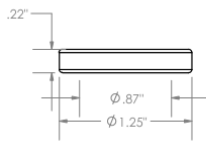
VS
Vacuum Straight
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)



VE
Vacuum External Thread*
Cutter $\phi 3/4"$ ($\phi 19\text{mm}$)

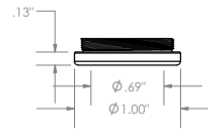


VI
Vacuum Internal Thread*
Cutter $\phi 5/8"$ ($\phi 15\text{mm}$)



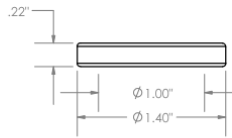
Part Number	Material
59631-N	Nylon
59631-S	Steel
59631-P	Phenolic

Foot Style For External Thread



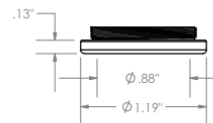
Part Number	Material
59620-N	Nylon
59620-S	Steel
59620-P	Phenolic

Foot Style For Internal Thread



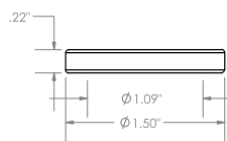
Part Number	Material
59641-N	Nylon
59641-S	Steel
59641-P	Phenolic

Foot Style For Bell External Thread



Part Number	Material
59640-N	Nylon
59640-S	Steel
59640-P	Phenolic

Foot Style For Bell Internal Thread



Part Number	Material
59651-N	Nylon
59651-S	Steel
59651-P	Phenolic

Foot Style For Bell Wide External Thread

*Select foot style from table

Revision 07

Do not modify, copy, distribute, or reproduce this drawing without prior written authorization.

All dimensions are in Inches



© 2025 Wescon Industries Inc.
601 Century Plaza Dr. Houston, TX 77073, US
www.wesconusa.com

Information in this drawing is provided for reference only

Part Number

WES599

Wescon 599 Microstop

Image 4