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

DATASHEET

PART NUMBER

WES598-VES-TF

Wescon 598 Microstop - 1/4-28 - 3/4" Cutter Capacity - Vacuum Skirt External Steel Foot

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

WEBSITE

https://www.wesconusa.com/products/WES598-VES-TF



The Wescon 598 Series Microstop is 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. It shares the 596 spindle, dual ball bearings rated to 10,000 rpm, heavy duty thrust bearing, integrated dust seal and solid stop, with 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 come 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	3/4 in
Skirt	Vacuum External Thread
Skirt Description	1.25 in OD 0.87 in ID 3/4 in Cutter Capacity
Foot	Steel

Subject to change without notice
© Copyright Wescon Industries Inc

Solid Stop	Yes
Material	Steel
Vacuum Adapter	Yes
Country of Origin	USA

ADDITIONAL IMAGES AND DRAWINGS



Image 1

Subject to change without notice
© Copyright Wescon Industries Inc



Image 2

Subject to change without notice
© Copyright Wescon Industries Inc

WES598 Series Microstop



Part Number
WES598-X-XX-XX

- Shaft Option
- Foot Style
- Skirt Option*
- Cutter Thread

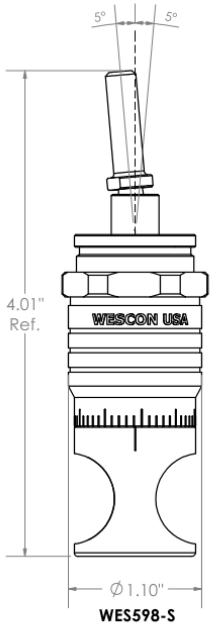
Incremental Adjustment: 0.0005 in
Shaft Travel: 0.300 in
Material: Carbon Steel Body with Hardened Tool Steel Shaft

Bearing Rating: 10,000 rpm
Bearing Type: Dual Ball-Bearings
Dust Seal: Integrated Dust Seal
Heavy Duty Thrust Bearing: Yes
Solid Stop: Yes

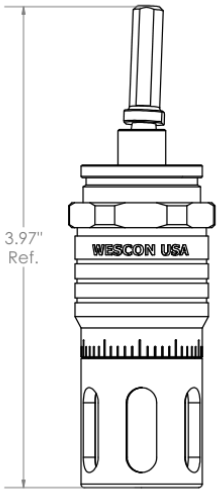
Code	Cutter Thread
(Blank)	1/4-28
6	M6x1
8	M8x1

Code	Foot Style
N	Nylon
S	Steel
P	Phenolic

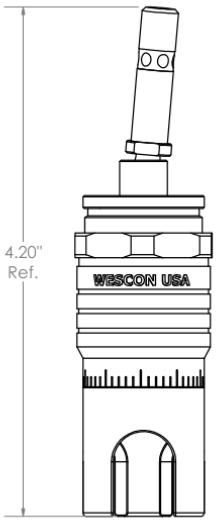
Code	Shaft Option
(Blank)	Round Swivel Shaft
QC	Quick Change Swivel Shaft
TF	Tri Flat Swivel Shaft



WES598-S
Microstop with
Round Swivel Shaft



WES598-SL-TF
Microstop with
Tri-Flat Swivel Shaft



WES598-S3L-QC
Microstop with
Quick Change Swivel Shaft

*For Skirt options see next page and website.

WESCON

Part Number **WES598**

Wescon 598 Microstop

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

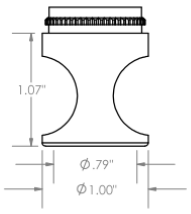
© 2025 Wescon Industries Inc.
601 Century Plaza Dr. Houston, TX 77073, US
www.wesconusa.com

Revision 12 | All dimensions are in Inches | Information in this drawing is provided for reference only

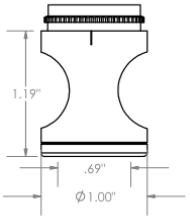
Image 3

Subject to change without notice
© Copyright Wescon Industries Inc

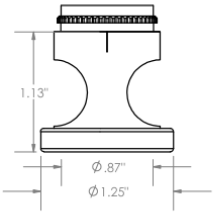
Skirt Option



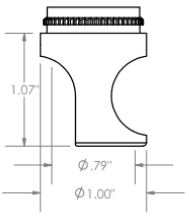
S
Straight
Cutter Ø3/4"(Ø19mm)



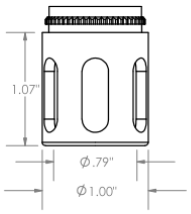
I
Internal Thread*
Cutter Ø5/8"(Ø15mm)



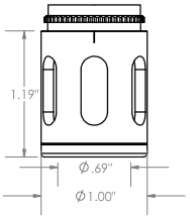
E
External Thread*
Cutter Ø3/4"(Ø19mm)



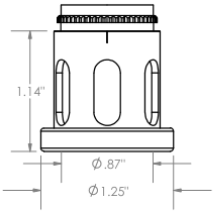
SCA
Straight Cutaway
Cutter Ø3/4"(Ø19mm)



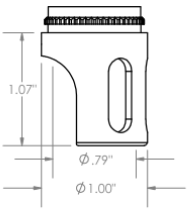
SL
Slotted
Cutter Ø3/4"(Ø19mm)



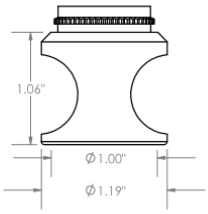
SI
Slotted Internal Thread*
Cutter Ø5/8"(Ø15mm)



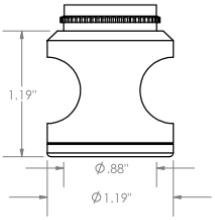
SE
Slotted External Thread*
Cutter Ø3/4"(Ø19mm)



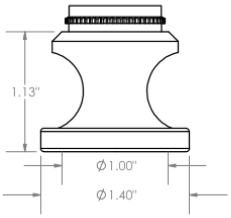
SSCA
Slotted Straight Cutaway
Cutter Ø3/4"(Ø19mm)



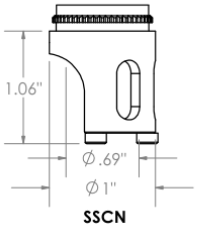
B
Bell
Cutter Ø7/8" (Ø22mm)



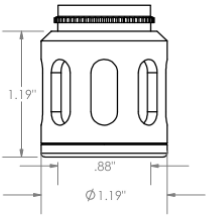
BI
Bell Internal Thread*
Cutter Ø3/4"(Ø19mm)



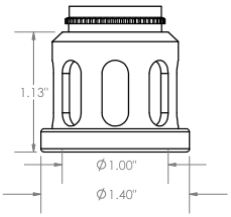
BE
Bell External Thread*
Cutter Ø7/8"(Ø22mm)



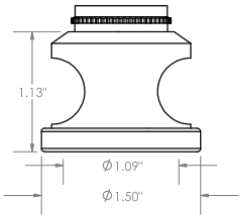
SSCN
Slotted Internal Thread Cutaway
with Nylon Foot
Cutter Ø5/8"(Ø15mm)



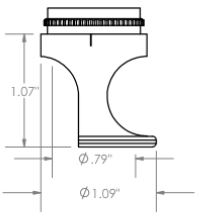
SBI
Slotted Bell Internal Thread*
Cutter Ø3/4"(Ø19mm)



SBE
Slotted Bell External Thread*
Cutter Ø7/8"(Ø22mm)



BWE
Bell Wide External Thread*
Cutter Ø1"(Ø25mm)



FCA
Flanged Cutaway
Cutter Ø3/4"(Ø19mm)

*Select foot style from table
Continued In Next Page.

WESCON

Part Number **WES598**

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

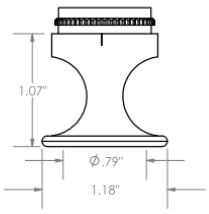
Wescon 598 Microstop

Revision 12 | All dimensions are in Inches | Information in this drawing is provided for reference only

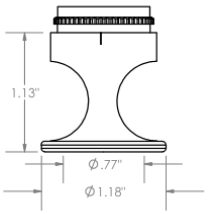
Image 4

Subject to change without notice
© Copyright Wescon Industries Inc

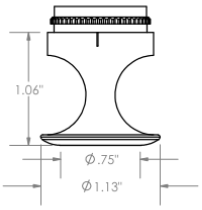
Skirt Option (Continuation)



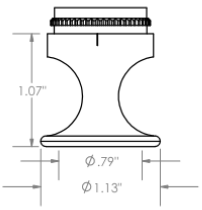
F
Flanged
Cutter Ø3/4"(Ø19mm)



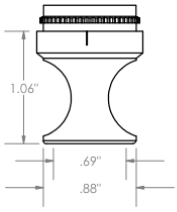
FH
Flanged High
Cutter Ø3/4" (Ø19mm)



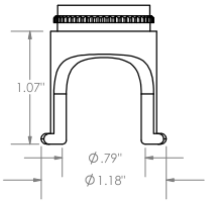
SF
Spherical Flanged
Cutter Ø3/4" (Ø19mm)



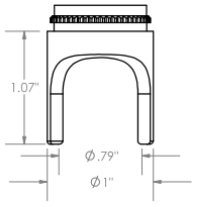
F-1125
Flanged 1.125 in OD
Cutter Ø3/4"(Ø19mm)



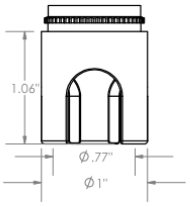
S-875
Straight 0.875 in OD
Cutter Ø5/8"(Ø15mm)



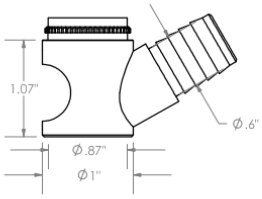
F2L
Flanged 2-Leg
Cutter Ø3/4"(Ø19mm)



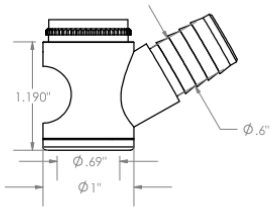
S2L
2-Leg
Cutter Ø3/4"(Ø19mm)



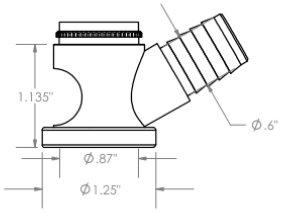
S3L
3-Leg
Cutter Ø3/4"(Ø19mm)



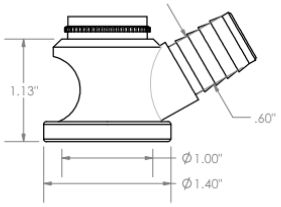
WVS
Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



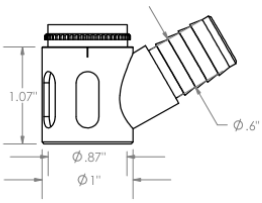
WVI
Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)



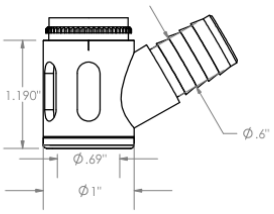
WVE
Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



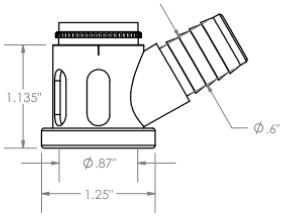
WBVE
Bell Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



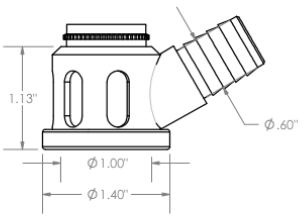
SVS
Slotted Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



SVI
Slotted Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)



SVE
Slotted Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



SBVE
Slotted Bell Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)

*Select foot style from table

WESCON

Part Number **WES598**

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

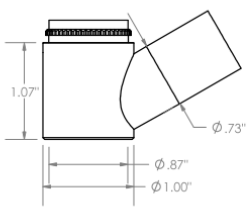
Wescon 598 Microstop

Revision 12 | All dimensions are in Inches | Information in this drawing is provided for reference only

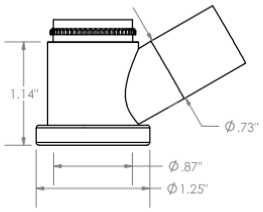
Image 5

Subject to change without notice
© Copyright Wescon Industries Inc

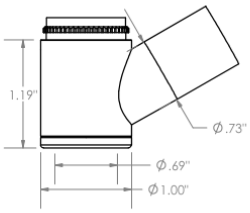
Skirt Option



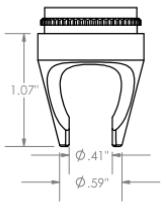
VS
Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



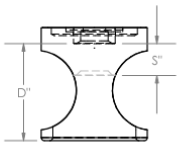
VE
Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



VI
Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)

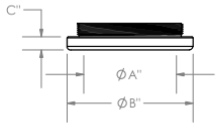


C
Close Quarters
Cutter Ø3/8"(Ø10mm)

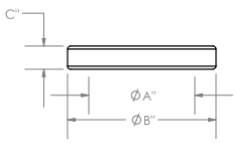


Distance From Shaft Face to Skirt Face		Stroke Length
D (Minimum)	D (Maximum)	S
0.750 (19.05mm)	1.02 (25.90mm)	0.30 (7.62mm)

Skirt Inner Dimensions
For all Skirt Styles



Foot Style For	ØA (ID)	ØB (OD)	C	Nylon P/N	Steel P/N	Phenolic P/N
Internal Threaded Skirt	0.69	1.00	0.13	59620-N	59620-S	59620-P
Bell Internall Threaded Skirt	0.88	1.19	0.13	59640-N	59640-S	59640-P



Foot Style For	ØA (ID)	ØB (OD)	C	Nylon P/N	Steel P/N	Phenolic P/N
External Threaded Skirt	0.87	1.25	0.22	59631-N	59631-S	59631-P
Bell External Threaded Skirt	1.00	1.40	0.22	59641-N	59641-S	59641-P
Bell Wide External Threaded Skirt	1.09	1.50	0.22	59651-N	59651-S	59651-P

*Select foot style from table

WESCON

Part Number **WES598**

Wescon 598 Microstop

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

Revision 12 | All dimensions are in Inches | Information in this drawing is provided for reference only

Image 6

Subject to change without notice
© Copyright Wescon Industries Inc