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

DATASHEET

PART NUMBER

WES596-RDS-590

Wescon 596 Microstop - 1/4-28 - 3/8" Cutter Capacity - Reduced Diameter Skirt 0.590 in OD

HIGH SPEED HEAVY DUTY

WEBSITE

https://www.wesconusa.com/products/WES596-RDS-590



The Wescon 596 Series Microstop is the industry standard microstop countersink cage, the best choice for most work surfaces with straight-in access. Dual ball bearings rated to 10,000 rpm and a heavy duty thrust bearing carry the cutter load, an integrated dust seal keeps chips out of the mechanism, and a solid stop holds depth. Depth adjusts in 0.0005 in (0.013 mm) increments over 0.300 in (7.60 mm) of shaft travel on a 1/4 in shaft. Cutter threads are available in 1/4-28, M6x1 and M8x1. Choose from twelve skirt styles including straight, slotted, 2-leg, 3-leg, flanged, bell and internal or external thread, nylon, steel or phenolic feet, and round, tri-flat (TF), quick change (QC) or long threaded shank (TSL) shafts.

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	Round
Shaft Diameter	1/4 in
Cutter Capacity	3/8 in
Skirt	Reduced Diameter Skirt 0.590 in OD
Skirt Description	0.590 in OD 3/8 in Cutter Capacity

Subject to change without notice
© Copyright Wescon Industries Inc

Solid Stop	Yes
Material	Steel
Country of Origin	USA

Subject to change without notice
© Copyright Wescon Industries Inc

ADDITIONAL IMAGES AND DRAWINGS

WES596 Series Microstop



Part Number
WES596-X-XX-XX

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

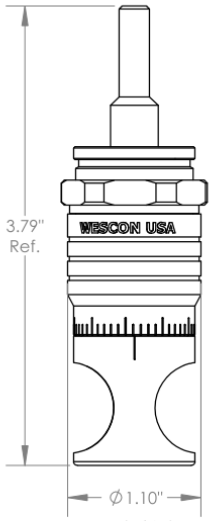
Incremental Adjustment: 0.0005 in
Shaft Travel: 0.300 in
Material: Carbon Steel Body with Hardened Tool Steel Shaft

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

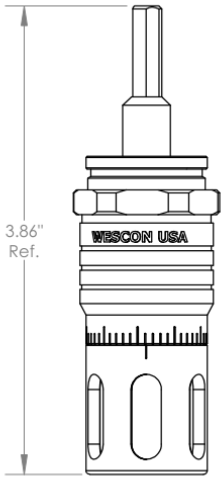
Code	Cutter Thread
(Blank)	1/4-28
6	M6x1
8	M8x1

Code	Foot Style
N	Nylon
S	Steel
P	Phenolic

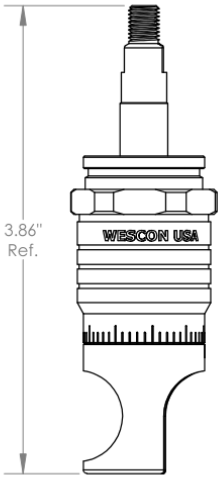
Code	Shaft Option
(Blank)	1/4" Standard Round
QC	Quick Change
TF	Tri Flat
TSL	1/4-28 Threaded Shank Long



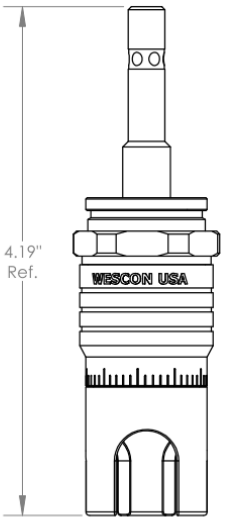
WES596-S
Microstop with
Ø1/4" Standard Shaft



WES596-SL-TF
Microstop with
Tri-Flat Shaft



WES596-SCA-TSL
Microstop with
1/4-28 Threaded Shank Long Shaft



WES596-S3L-QC
Microstop with
Quick Change shaft

*For Skirt options see next page and website.

WESCON

Part Number
WES596

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

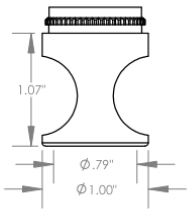
Wescon 596 Microstop

Revision 11 | All dimensions are in Inches | Information in this drawing is provided for reference only

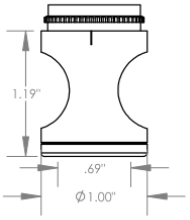
Image 1

Subject to change without notice
© Copyright Wescon Industries Inc

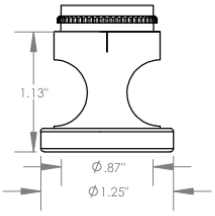
Skirt Option



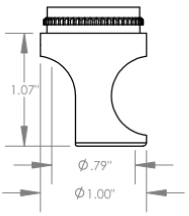
S
Straight
Cutter Ø3/4"(Ø19mm)



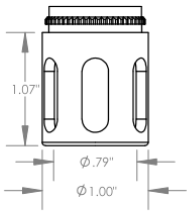
I
Internal Thread*
Cutter Ø5/8"(Ø15mm)



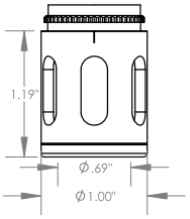
E
External Thread*
Cutter Ø3/4"(Ø19mm)



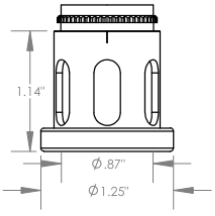
SCA
Straight Cutaway
Cutter Ø3/4"(Ø19mm)



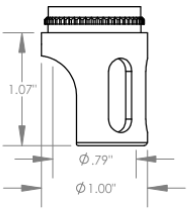
SL
Slotted
Cutter Ø3/4"(Ø19mm)



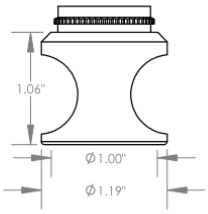
SI
Slotted Internal Thread*
Cutter Ø5/8"(Ø15mm)



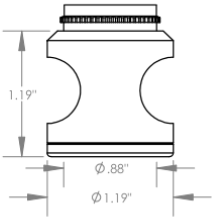
SE
Slotted External Thread*
Cutter Ø3/4"(Ø19mm)



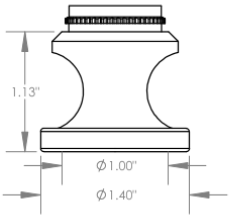
SSCA
Slotted Straight Cutaway
Cutter Ø3/4"(Ø19mm)



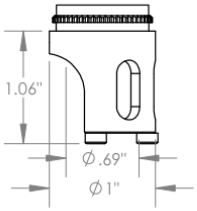
B
Bell
Cutter Ø7/8" (Ø22mm)



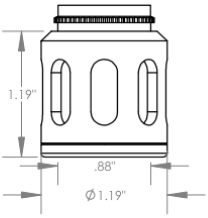
BI
Bell Internal Thread*
Cutter Ø3/4"(Ø19mm)



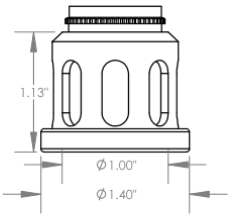
BE
Bell External Thread*
Cutter Ø7/8"(Ø22mm)



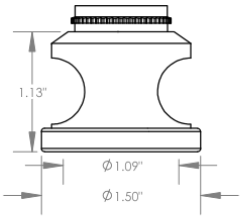
SSCN
Slotted Internal Thread Cutaway
with Nylon Foot
Cutter Ø5/8"(Ø15mm)



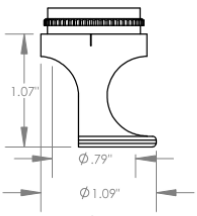
SBI
Slotted Bell Internal Thread*
Cutter Ø3/4"(Ø19mm)



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 **WES596**

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

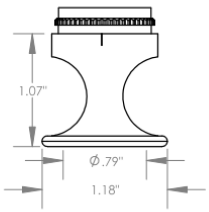
Wescon 596 Microstop

Revision 11 | All dimensions are in Inches | Information in this drawing is provided for reference only

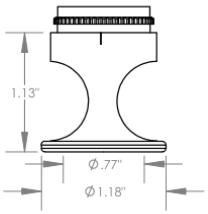
Image 2

Subject to change without notice
© Copyright Wescon Industries Inc

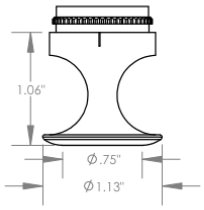
Skirt Option (Continuation)



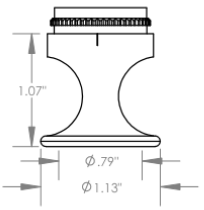
F
Flanged
Cutter Ø3/4"(Ø19mm)



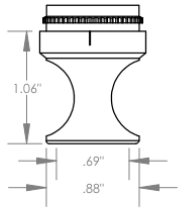
FH
Flanged High
Cutter Ø3/4" (Ø19mm)



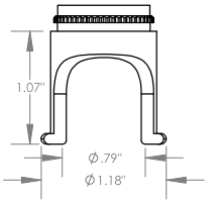
SF
Spherical Flanged
Cutter Ø3/4" (Ø19mm)



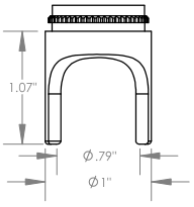
F-1125
Flanged 1.125 in OD
Cutter Ø3/4"(Ø19mm)



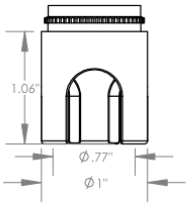
S-875
Straight 0.875 in OD
Cutter Ø5/8"(Ø15mm)



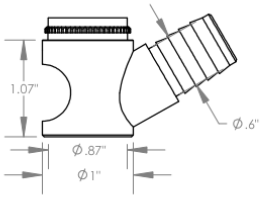
F2L
Flanged 2-Leg
Cutter Ø3/4"(Ø19mm)



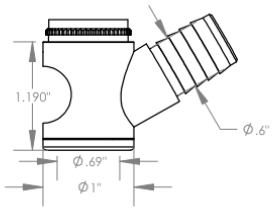
S2L
2-Leg
Cutter Ø3/4"(Ø19mm)



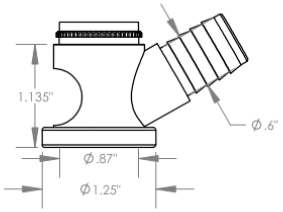
S3L
3-Leg
Cutter Ø3/4"(Ø19mm)



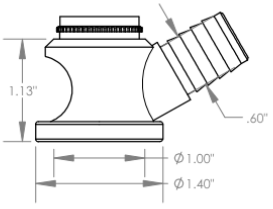
WVS
Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



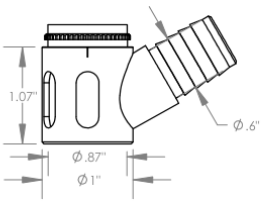
WVI
Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)



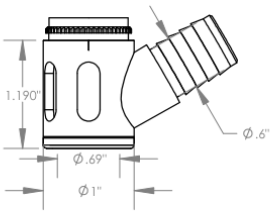
WVE
Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



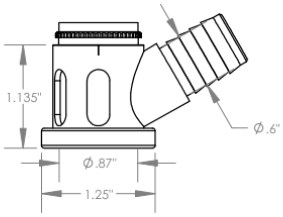
WBVE
Bell Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



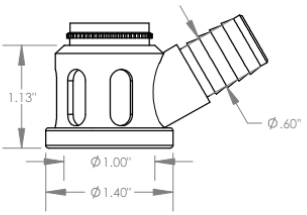
SVS
Slotted Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



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 **WES596**

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

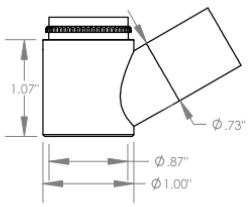
Wescon 596 Microstop

Revision 11 | All dimensions are in Inches | Information in this drawing is provided for reference only

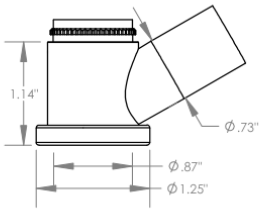
Image 3

Subject to change without notice
© Copyright Wescon Industries Inc

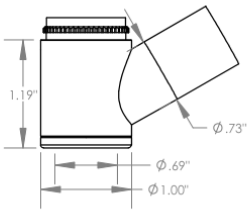
Skirt Option



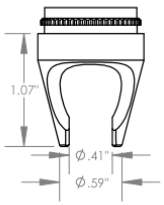
VS
Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



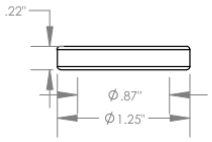
VE
Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



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

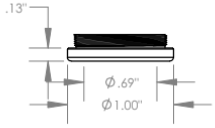


C
Close Quarters
Cutter Ø3/8"(Ø10mm)



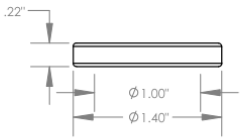
Part Number	Material
59631-N	Nylon
59631-S	Steel
59631-P	Phenolic

Foot Style For External Thread



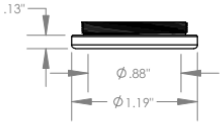
Part Number	Material
59620-N	Nylon
59620-S	Steel
59620-P	Phenolic

Foot Style For Internal Thread



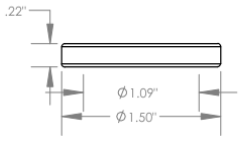
Part Number	Material
59641-N	Nylon
59641-S	Steel
59641-P	Phenolic

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

WESCON

Part Number **WES596**

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 596 Microstop

Revision 11 | 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