

DATASHEET

PART NUMBER

WES597-8-SBIS-TF

**Wescon 597 Stainless Steel Microstop - M8x1 -
19 mm Cutter Capacity - Slotted Bell Skirt
Internal Steel Foot**

HIGH SPEED HEAVY DUTY STAINLESS STEEL

WEBSITE

<https://www.wesconusa.com/products/WES597-8-SBIS-TF>



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

SPECIFICATIONS

| | |
|----------------------------------|--------------------------------|
| Measurement Type | Metric |
| Bearing Rating | 10,000 rpm |
| Bearing Type | Dual Ball Bearings |
| Heavy Duty Thrust Bearing | Yes |
| Incremental Adjustment | 0.013 mm |
| Shaft Travel | 7.60 mm |
| Dust Seal | Integrated Dust Seal |
| Cutter Thread | M8x1 |
| Shaft | Tri-Flat |
| Shaft Diameter | 6.35 mm |
| Cutter Capacity | 19 mm |
| Skirt | Slotted Bell Internal Thread |
| Skirt Description | 30 mm OD 19 mm Cutter Capacity |
| Foot | Steel |
| Solid Stop | Yes |
| Material | Stainless Steel |
| Country of Origin | USA |

ADDITIONAL IMAGES AND DRAWINGS



Image 0

WES597 Series Microstop



Part Number
WES597-X-XX-XX



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 |

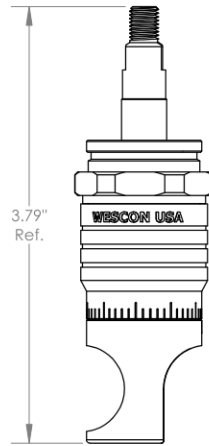
| Code | Shaft Option |
|---------|----------------------------|
| (Blank) | 1/4" Standard Round |
| QC | Quick Change |
| TF | Tri Flat |
| TSL | 1/4-28 Threaded Shank Long |



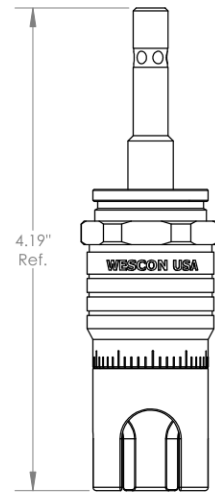
WES597-S
Microstop with
Ø 1/4" Standard Shaft



WES597-SL-TF
Microstop with
Tri-Flat Shaft



WES597-SCA-TSL
Microstop with
1/4-28 Threaded Shank Long Shaft



WES597-S3L-QC
Microstop with
Quick Change shaft

*For Skirt options see next page and website.



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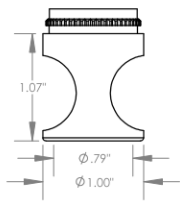
Revision 07

All dimensions are in inches

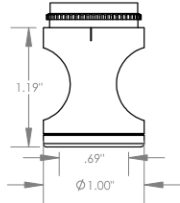
Information in this drawing is provided for reference only

Image 1

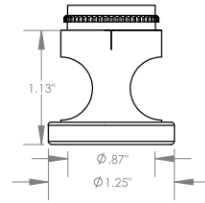
Skirt Option



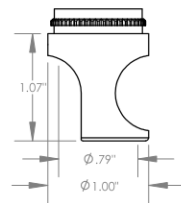
S
Straight
Cutter $\phi 3/4$ " ($\phi 19$ mm)



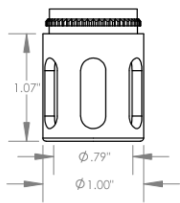
I
Internal Thread*
Cutter $\phi 5/8$ " ($\phi 15$ mm)



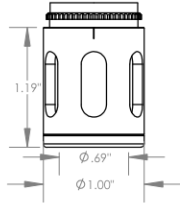
E
External Thread*
Cutter $\phi 3/4$ " ($\phi 19$ mm)



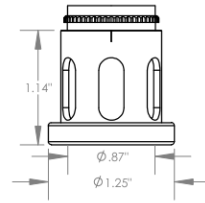
SCA
Straight Cutaway
Cutter $\phi 3/4$ " ($\phi 19$ mm)



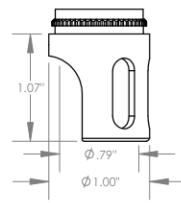
SL
Slotted
Cutter $\phi 3/4$ " ($\phi 19$ mm)



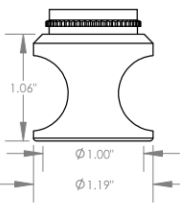
SI
Slotted Internal Thread*
Cutter $\phi 5/8$ " ($\phi 15$ mm)



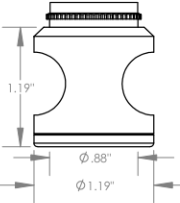
SE
Slotted External Thread*
Cutter $\phi 3/4$ " ($\phi 19$ mm)



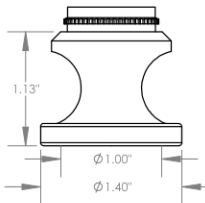
SSCA
Slotted Straight Cutaway
Cutter $\phi 3/4$ " ($\phi 19$ mm)



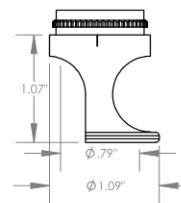
B
Bell
Cutter $\phi 7/8$ " ($\phi 22$ mm)



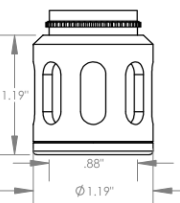
BI
Bell Internal Thread*
Cutter $\phi 3/4$ " ($\phi 19$ mm)



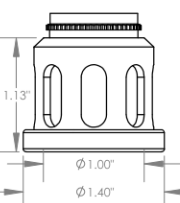
BE
Bell External Thread*
Cutter $\phi 7/8$ " ($\phi 22$ mm)



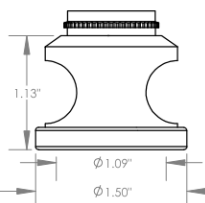
FCA
Flanged Cutaway
Cutter $\phi 3/4$ " ($\phi 19$ mm)



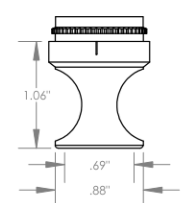
SBI
Slotted Bell Internal Thread*
Cutter $\phi 3/4$ " ($\phi 19$ mm)



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



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



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



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*Select foot style from table
Continued In Next Page.

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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 $\Phi 3/8"$ ($\Phi 10\text{mm}$)



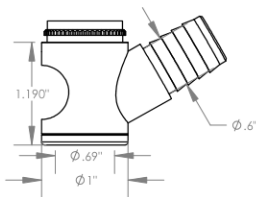
F2L
Flanged 2-Leg
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



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



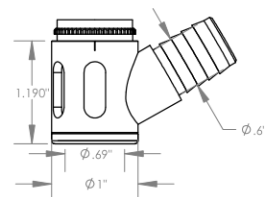
S3L
3-Leg
Cutter $\Phi 3/4"$ ($\Phi 19\text{mm}$)



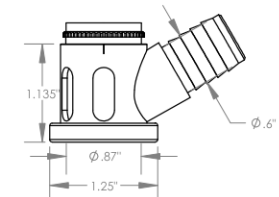
WVI
Vacuum Internal Thread*
Cutter $\Phi 5/8"$ ($\Phi 15\text{mm}$)



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

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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

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Image 4