

## DATASHEET

### PART NUMBER

## WES596-6-BF-TF

### Wescon 596 Microstop - M6x1 - 22 mm Cutter Capacity - Bell Flanged

HIGH SPEED HEAVY DUTY

### WEBSITE

<https://www.wesconusa.com/products/WES596-6-BF-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             | M6x1                           |
| Shaft                     | Tri-Flat                       |
| Shaft Diameter            | 6.35 mm                        |
| Cutter Capacity           | 22 mm                          |
| Skirt                     | Bell Flanged                   |
| Skirt Description         | 35 mm OD 22 mm Cutter Capacity |
| Solid Stop                | Yes                            |
| Material                  | Steel                          |
| Country of Origin         | USA                            |

## 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

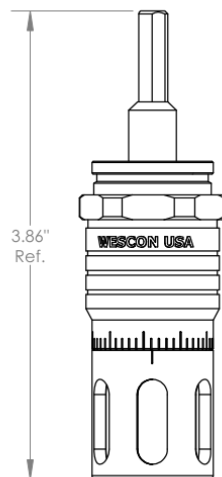
| Code    | Cutter Thread |
|---------|---------------|
| (Blank) | 1/4-28        |
| 6       | M6x1          |
| 8       | M8x1          |

| Code | Foot Style |
|------|------------|
| N    | Nylon      |
| S    | Steel      |
| P    | Phenolic   |

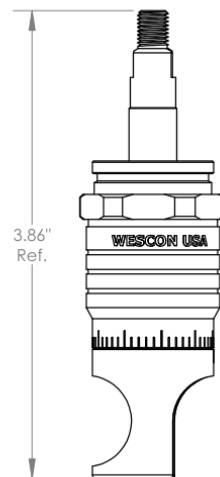
| Code    | Shaft Option               |
|---------|----------------------------|
| (Blank) | 1/4" Standard Round        |
| QC      | Quick Change               |
| TF      | Tri Flat                   |
| TSL     | 1/4-28 Threaded Shank Long |



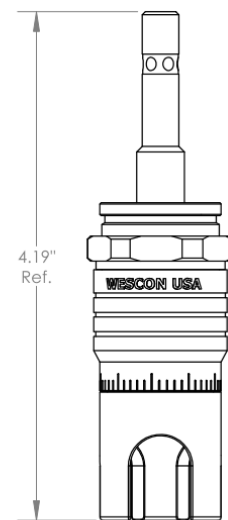
**WES596-S**  
Microstop with  
Ø 1/4" Standard Shaft



**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.



Part Number

**WES596**

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Wescon 596 Microstop

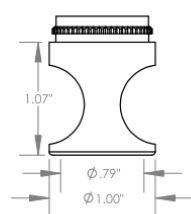
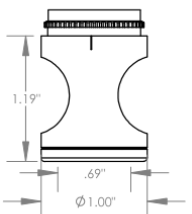
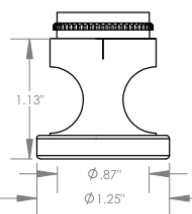
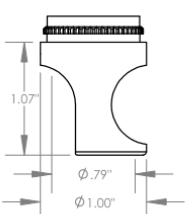
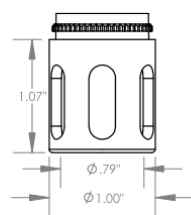
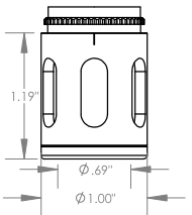
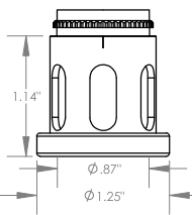
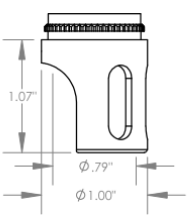
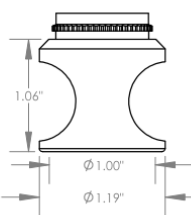
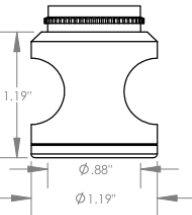
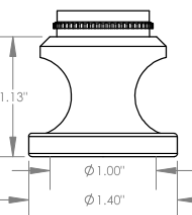
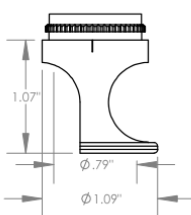
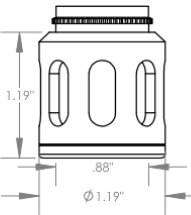
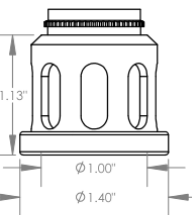
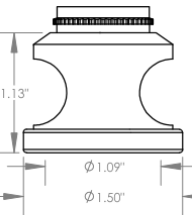
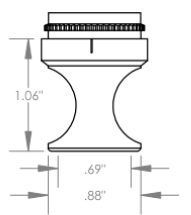
Revision 09

All dimensions are in Inches

Information in this drawing is provided for reference only

Image 1

Skirt Option

|                                                                                                                                                                                                           |                                                                                                                                                                                                           |                                                                                                                                                                                                       |                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>S</b><br/>Straight<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>                          |  <p><b>I</b><br/>Internal Thread*<br/>Cutter <math>\phi 5/8"</math> (<math>\phi 15\text{mm}</math>)</p>                  |  <p><b>E</b><br/>External Thread*<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>             |  <p><b>SCA</b><br/>Straight Cutaway<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>          |
|  <p><b>SL</b><br/>Slotted<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>                          |  <p><b>SI</b><br/>Slotted Internal Thread*<br/>Cutter <math>\phi 5/8"</math> (<math>\phi 15\text{mm}</math>)</p>         |  <p><b>SE</b><br/>Slotted External Thread*<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>    |  <p><b>SSCA</b><br/>Slotted Straight Cutaway<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p> |
|  <p><b>B</b><br/>Bell<br/>Cutter <math>\phi 7/8"</math> (<math>\phi 22\text{mm}</math>)</p>                             |  <p><b>BI</b><br/>Bell Internal Thread*<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>           |  <p><b>BE</b><br/>Bell External Thread*<br/>Cutter <math>\phi 7/8"</math> (<math>\phi 22\text{mm}</math>)</p>      |  <p><b>FCA</b><br/>Flanged Cutaway<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p>          |
|  <p><b>SBI</b><br/>Slotted Bell Internal Thread*<br/>Cutter <math>\phi 3/4"</math> (<math>\phi 19\text{mm}</math>)</p> |  <p><b>SBE</b><br/>Slotted Bell External Thread*<br/>Cutter <math>\phi 7/8"</math> (<math>\phi 22\text{mm}</math>)</p> |  <p><b>BWE</b><br/>Bell Wide External Thread*<br/>Cutter <math>\phi 1"</math> (<math>\phi 25\text{mm}</math>)</p> |  <p><b>S-875</b><br/>Straight 0.875 in OD<br/>Cutter <math>\phi 5/8"</math> (<math>\phi 15\text{mm}</math>)</p>  |

\*Select foot style from table  
Continued In Next Page.

|                                                                                                 |                              |                                                                                                   |                      |               |
|-------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------|
|                                                                                                 |                              |  <b>WESCON</b> | Part Number          | <b>WES596</b> |
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| Revision 09                                                                                     | All dimensions are in Inches | Information in this drawing is provided for reference only                                        |                      |               |

Image 2

## Skirt Option (Continuation)



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



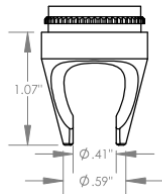
**FH**  
Flanged High  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



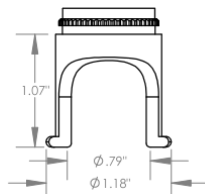
**SF**  
Spherical Flanged  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



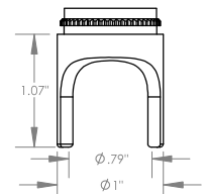
**F-1125**  
Flanged 1.125 in OD  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



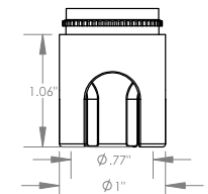
**C**  
Close Quarters  
Cutter  $\Phi 3/8"$  ( $\Phi 10\text{mm}$ )



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



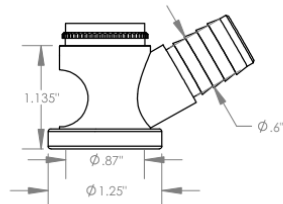
**S2L**  
2-Leg  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



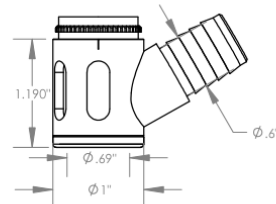
**S3L**  
3-Leg  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



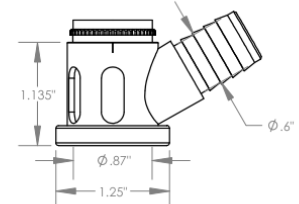
**WVI**  
Vacuum Internal Thread\*  
Cutter  $\Phi 5/8"$  ( $\Phi 15\text{mm}$ )



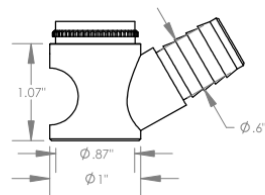
**WVE**  
Vacuum External Thread\*  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



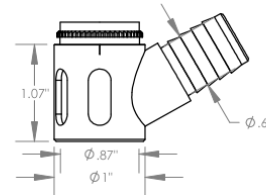
**SVI**  
Slotted Vacuum Internal Thread\*  
Cutter  $\Phi 5/8"$  ( $\Phi 15\text{mm}$ )



**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 09

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Part Number

**WES596**

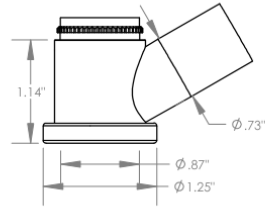
Wescon 596 Microstop

Image 3

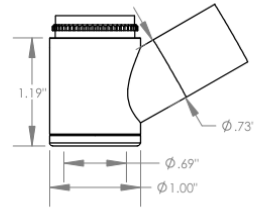
## Skirt Option



**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**



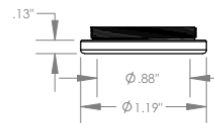
| Part Number | Material |
|-------------|----------|
| 59620-N     | Nylon    |
| 59620-S     | Steel    |
| 59620-P     | Phenolic |

**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

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**WES596**

**Wescon 596 Microstop**

Image 4