

## DATASHEET

### PART NUMBER

## WES597-RDS-590-TF

**Wescon 597 Stainless Steel Microstop - 1/4-28 -  
3/8" Cutter Capacity - Reduced Diameter Skirt  
0.590 in OD**

HIGH SPEED HEAVY DUTY STAINLESS STEEL

### WEBSITE

<https://www.wesconusa.com/products/WES597-RDS-590-TF>



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

## 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                           |
| 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 |
| Solid Stop                | Yes                                |
| Material                  | Stainless Steel                    |
| Country of Origin         | USA                                |

## WES597 Series Microstop



**Part Number**  
WES597-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

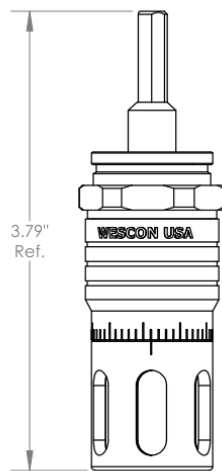
| Code    | Cutter Thread |
|---------|---------------|
| (Blank) | 1/4-28        |
| 6       | M6x1          |
| 8       | M8x1          |

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

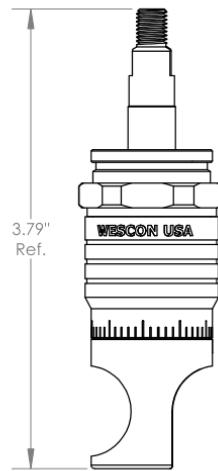
| Code    | Shaft Option               |
|---------|----------------------------|
| (Blank) | 1/4" Standard Round        |
| QC      | Quick Change               |
| TF      | Tri Flat                   |
| TSL     | 1/4-28 Threaded Shank Long |



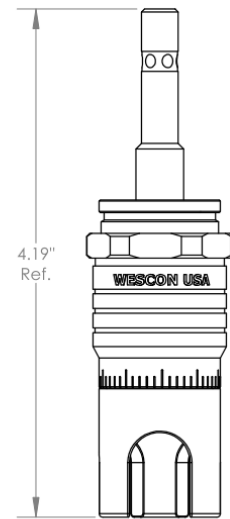
**WES597-S**  
Microstop with  
Ø 1/4" Standard Shaft



**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.



|             |  |
|-------------|--|
| Part Number |  |
|-------------|--|

**WES597**

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Wescon 597 Microstop

Revision 07

All dimensions are in Inches

Information in this drawing is provided for reference only

Image 1

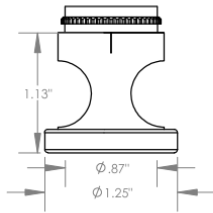
Skirt Option



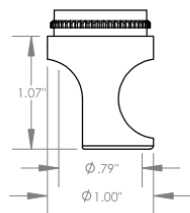
**S**  
Straight  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



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



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



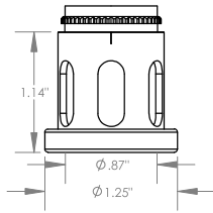
**SCA**  
Straight Cutaway  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



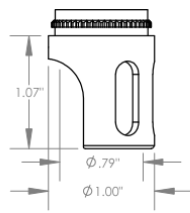
**SL**  
Slotted  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



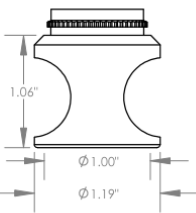
**SI**  
Slotted Internal Thread\*  
Cutter  $\phi 5/8"$  ( $\phi 15\text{mm}$ )



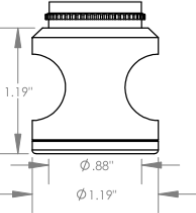
**SE**  
Slotted External Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



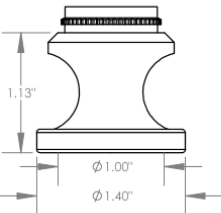
**SSCA**  
Slotted Straight Cutaway  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



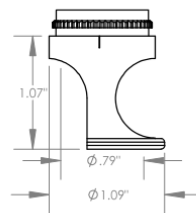
**B**  
Bell  
Cutter  $\phi 7/8"$  ( $\phi 22\text{mm}$ )



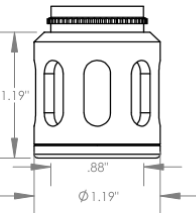
**BI**  
Bell Internal Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



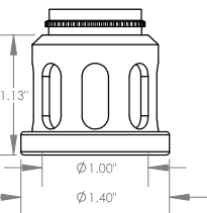
**BE**  
Bell External Thread\*  
Cutter  $\phi 7/8"$  ( $\phi 22\text{mm}$ )



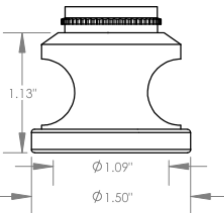
**FCA**  
Flanged Cutaway  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



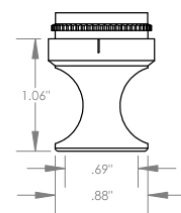
**SBI**  
Slotted Bell Internal Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



**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  $\phi 5/8"$  ( $\phi 15\text{mm}$ )

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

Revision 07

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All dimensions are in Inches



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Part Number

**WES597**

Wescon 597 Microstop

## 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  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



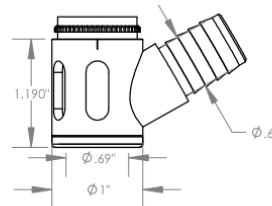
**S3L**  
3-Leg  
Cutter  $\Phi 3/4"$  ( $\Phi 19\text{mm}$ )



**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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**Wescon 597 Microstop**

Image 3

## Skirt Option



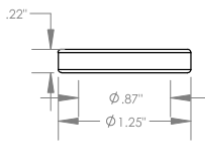
**VS**  
Vacuum Straight  
Cutter  $\frac{3}{4}$ " ( $\phi$  19mm)



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

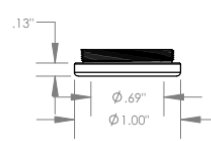


**VI**  
Vacuum Internal Thread\*  
Cutter  $\frac{5}{8}$ " ( $\phi$  15mm)



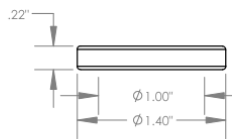
| Part Number | Material |
|-------------|----------|
| 59631-N     | Nylon    |
| 59631-S     | Steel    |
| 59631-P     | Phenolic |

**Foot Style For External Thread**



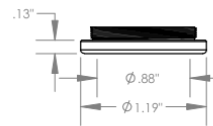
| Part Number | Material |
|-------------|----------|
| 59620-N     | Nylon    |
| 59620-S     | Steel    |
| 59620-P     | Phenolic |

**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