

## DATASHEET

PART NUMBER

### WES599-6-VEP-TF

**Wescon 599 Stainless Steel Microstop - M6x1 -  
19.05 mm Cutter Capacity - Vacuum External  
Thread Skirt - Phenolic Foot**

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

WEBSITE

<https://www.wesconusa.com/products/WES599-6-VEP-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 - Pivoting / Swivel Shaft               |
| Shaft Diameter            | 6.35 mm  |
| Cutter Capacity           | 19.05 mm   |
| Skirt                     | Vacuum External Thread                           |
| Skirt Description         | 31.75 mm OD 22.01 mm ID 19.05 mm Cutter Capacity |
| Foot                      | Phenolic   |
| Solid Stop                | Yes  |
| Material                  | Stainless Steel                                  |
| Vacuum Adapter            | Yes  |

Country of Origin

USA

### ADDITIONAL IMAGES AND DRAWINGS

**WES599 Series Microstop**



Incremental Adjustment: 0.0005 in  
 Shaft Travel: 0.300 in  
 Material: Stainless Steel

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

**Part Number**  
WES599-X-XX-XX

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

| 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     |



5°      5°

3.96in Ref.

(Shaft Option)

(Skirt Option)

∅ 1.00in

|   |   |   |
|---|---|---|
| <p>*For Skirt options see next page and website.</p> <p>Do not modify, copy, distribute, or reproduce this drawing without prior written authorization.</p> |  <p>© 2025 Wescon Industries Inc.<br/>         601 Century Plaza Dr. Houston, TX 77073, US<br/> <a href="http://www.wesconusa.com">www.wesconusa.com</a></p> | <p>Part Number      <b>WES599</b></p> <p style="text-align: center; font-size: 1.2em;">Wescon 599 Microstop</p> |
| <p>Revision 04    All dimensions are in inches</p>  | <p>Information in this drawing is provided for reference only</p>   |   |

Image 1

### Skirt Option



Continued In Next Page.

Revision 04

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Part Number

**WES599**

Wescon 599 Microstop

Image 2

### Skirt Option (Continuation)



**F**  
Flanged  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



**FH**  
Flanged High  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



**SF**  
Spherical Flanged  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



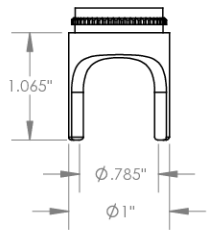
**F-1125**  
Flanged 1.125 in OD  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



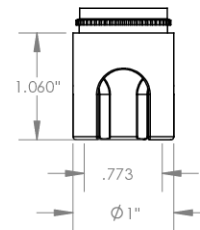
**C**  
Close Quarters  
Cutter  $\phi 3/8"$  ( $\phi 10$ mm)



**F2L**  
Flanged 2-Leg  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



**S2L**  
2-Leg  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



**S3L**  
3-Leg  
Cutter  $\phi 3/4"$  ( $\phi 19$ mm)



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



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



**SVI**  
Slotted Vacuum External Thread  
Cutter  $\phi 5/8"$  ( $\phi 15$ mm)



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



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Wescon 599 Microstop

Revision 04

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Image 3

**Foot Style  
For External Thread**



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

**Foot Style  
For Internal Thread**



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

**Foot Style  
For Bell External Thread**



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

**Foot Style  
For Bell Internal Thread**



| Part Number | Material |
|-------------|----------|
| 59640-N     | Nylon    |
| 59640-S     | Steel    |
| 59640-P     | Phenolic |

**Foot Style  
For Bell Wide External Thread**



| Part Number | Material |
|-------------|----------|
| 59651-N     | Nylon    |
| 59651-S     | Steel    |
| 59651-P     | Phenolic |



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Image 4