

DATASHEET

PART NUMBER

WES597-WVEN-TF

**Wescon 597 Stainless Steel Microstop - 1/4-28 -
3/4" Cutter Capacity - Vacuum Skirt External
Nylon Foot**

HIGH SPEED HEAVY DUTY STAINLESS STEEL

WEBSITE

<https://www.wesconusa.com/products/WES597-WVEN-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 | 3/4 in |
| Skirt | Vacuum External Thread |
| Skirt Description | 1.25 in OD 0.866 in ID 3/4 in Cutter Capacity |
| Foot | Nylon |
| Solid Stop | Yes |
| Material | Stainless Steel |
| Vacuum Adapter | Yes |

ADDITIONAL IMAGES AND DRAWINGS

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 |



*For Skirt options see next page and website.



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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.

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



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



WVS
Vacuum Straight
Cutter $\Phi 3/4"$ ($\Phi 19$ mm)



SVS
Slotted Vacuum Straight
Cutter $\Phi 3/4"$ ($\Phi 19$ 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 $\Phi 3/4"$ ($\Phi 19\text{mm}$)

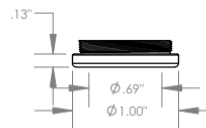


VI
Vacuum Internal Thread*
Cutter $\Phi 5/8"$ ($\Phi 15\text{mm}$)



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 |

*Select foot style from table

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Image 4