

## DATASHEET

PART NUMBER

### WES597-WVES-TSL

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

HIGH SPEED HEAVY DUTY STAINLESS STEEL

WEBSITE

<https://www.wesconusa.com/products/WES597-WVES-TSL>



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

## SPECIFICATIONS

<b>Measurement Type</b>	Imperial
<b>Bearing Rating</b>	10,000 rpm
<b>Bearing Type</b>	Dual Ball Bearings
<b>Heavy Duty Thrust Bearing</b>	Yes
<b>Incremental Adjustment</b>	0.0005 in
<b>Shaft Travel</b>	0.300 in
<b>Dust Seal</b>	Integrated Dust Seal
<b>Cutter Thread</b>	1/4-28
<b>Shaft</b>	Threaded Shank Long (1/4-28)
<b>Shaft Diameter</b>	1/4 in
<b>Cutter Capacity</b>	3/4 in
<b>Skirt</b>	Vacuum External Thread
<b>Skirt Description</b>	1.25 in OD 0.866 in ID 3/4 in Cutter Capacity
<b>Foot</b>	Steel
<b>Solid Stop</b>	Yes
<b>Material</b>	Stainless Steel
<b>Vacuum Adapter</b>	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.



Part Number

**WES597**

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Wescon 597 Microstop

Revision 07

All dimensions are in Inches  
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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  $\phi 5/8"$  ( $\phi 15\text{mm}$ )



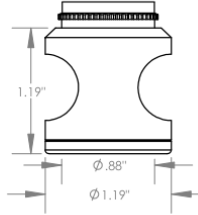
**SE**  
Slotted External Thread\*  
Cutter  $\phi 3/4"$  ( $\phi 19\text{mm}$ )



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



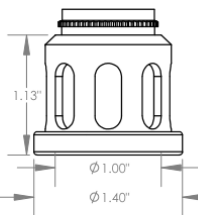
**BE**  
Bell External Thread\*  
Cutter  $\phi 7/8"$  ( $\phi 22\text{mm}$ )



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



Part Number

**WES597**

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



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**



Part Number

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\*Select foot style from table

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Image 4