Wescon Industries Inc.
601 Century Plaza Dr, Houston, TX 77073
www.wesconusa.com

DATASHEET

PART NUMBER

WES599-6-RDS-590-TF

Wescon 599 Stainless Steel Microstop - M6x1 - 9.52 mm Cutter Capacity - Reduced Diameter Skirt 0.590 in OD

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

WEBSITE

https://www.wesconusa.com/products/WES599-6-RDS-590-TF



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

The Wescon 599 Series Microstop is the stainless steel version of the 598, a high speed, heavy duty microstop countersink cage with a 10 degree pivoting shaft that angles into hard-to-reach holes a straight shaft cannot reach. Stainless steel construction makes it more durable and corrosion resistant than the standard alloy unit. It has dual ball bearings rated to 10,000 rpm, heavy duty thrust bearing, integrated dust seal and solid stop, 0.300 in (7.60 mm) of shaft travel and 0.0005 in (0.013 mm) incremental adjustment on a 1/4 in shaft. Swivel shafts are offered in round, tri-flat (TF) and quick change (QC) styles with 1/4-28, M6x1 or M8x1 cutter threads, twelve skirt styles, and nylon, steel or phenolic feet.

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	9.52 mm
Skirt	Reduced Diameter Skirt 0.590 in OD

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Skirt Description	14.99 mm OD 9.52 mm Cutter Capacity
Solid Stop	Yes
Material	Stainless Steel
Country of Origin	USA

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ADDITIONAL IMAGES AND DRAWINGS

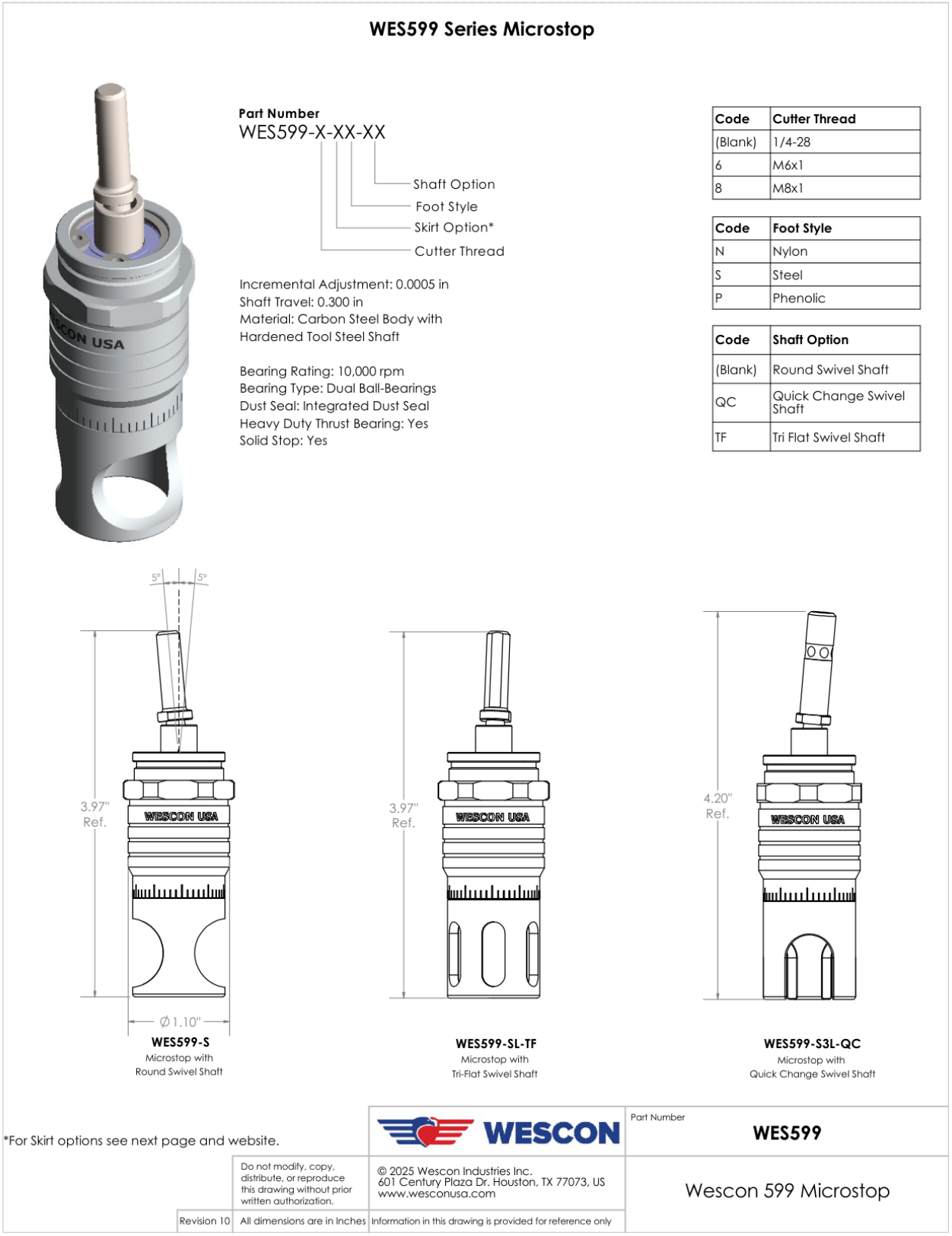
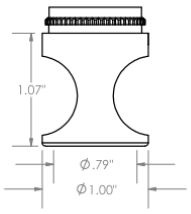


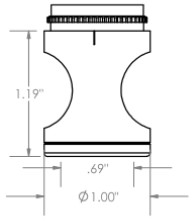
Image 1

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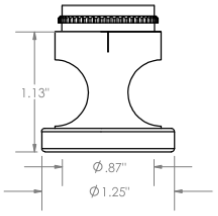
Skirt Option



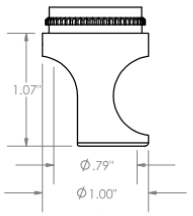
S
Straight
Cutter Ø3/4"(Ø19mm)



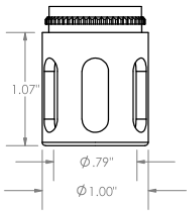
I
Internal Thread*
Cutter Ø5/8"(Ø15mm)



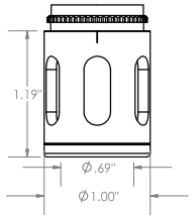
E
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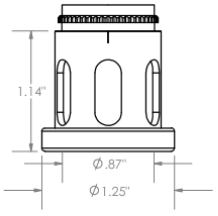
SCA
Straight Cutaway
Cutter Ø3/4"(Ø19mm)



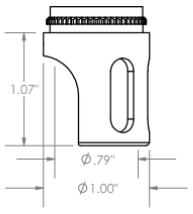
SL
Slotted
Cutter Ø3/4"(Ø19mm)



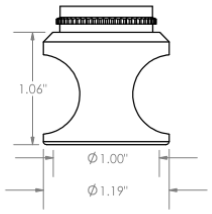
SI
Slotted Internal Thread*
Cutter Ø5/8"(Ø15mm)



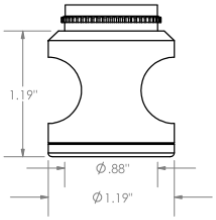
SE
Slotted External Thread*
Cutter Ø3/4"(Ø19mm)



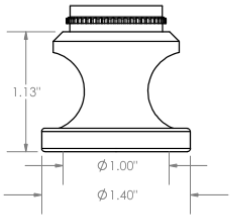
SSCA
Slotted Straight Cutaway
Cutter Ø3/4"(Ø19mm)



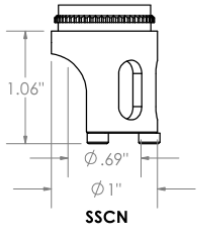
B
Bell
Cutter Ø7/8" (Ø22mm)



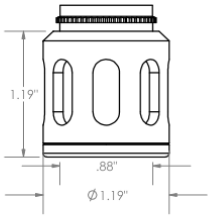
BI
Bell Internal Thread*
Cutter Ø3/4"(Ø19mm)



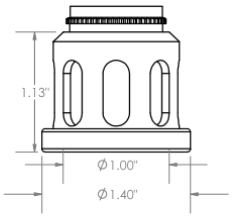
BE
Bell External Thread*
Cutter Ø7/8"(Ø22mm)



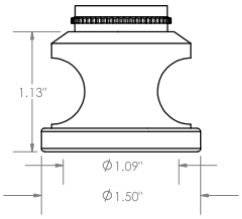
SSCN
Slotted Internal Thread Cutaway
with Nylon Foot
Cutter Ø5/8"(Ø15mm)



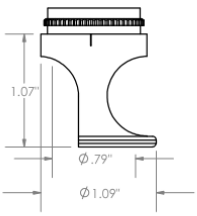
SBI
Slotted Bell Internal Thread*
Cutter Ø3/4"(Ø19mm)



SBE
Slotted Bell External Thread*
Cutter Ø7/8"(Ø22mm)



BWE
Bell Wide External Thread*
Cutter Ø1"(Ø25mm)



FCA
Flanged Cutaway
Cutter Ø3/4"(Ø19mm)

*Select foot style from table
Continued In Next Page.

WESCON

Part Number **WES599**

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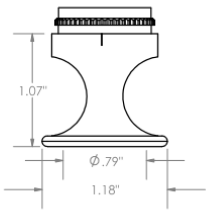
Wescon 599 Microstop

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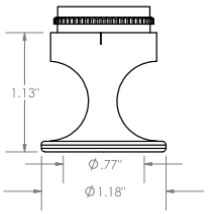
Image 2

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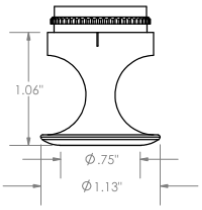
Skirt Option (Continuation)



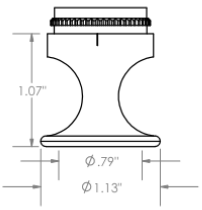
F
Flanged
Cutter Ø3/4"(Ø19mm)



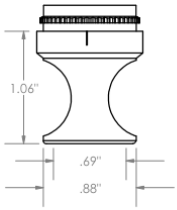
FH
Flanged High
Cutter Ø3/4" (Ø19mm)



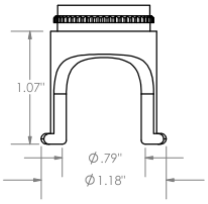
SF
Spherical Flanged
Cutter Ø3/4" (Ø19mm)



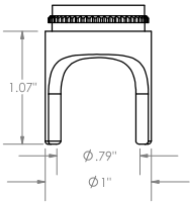
F-1125
Flanged 1.125 in OD
Cutter Ø3/4"(Ø19mm)



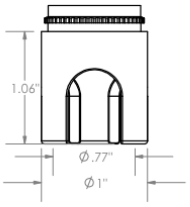
S-875
Straight 0.875 in OD
Cutter Ø5/8"(Ø15mm)



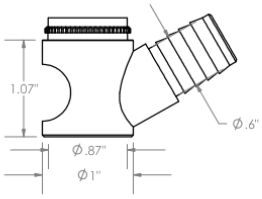
F2L
Flanged 2-Leg
Cutter Ø3/4"(Ø19mm)



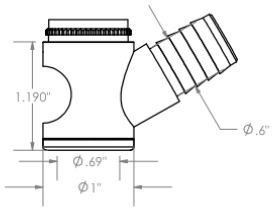
S2L
2-Leg
Cutter Ø3/4"(Ø19mm)



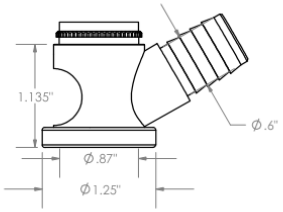
S3L
3-Leg
Cutter Ø3/4"(Ø19mm)



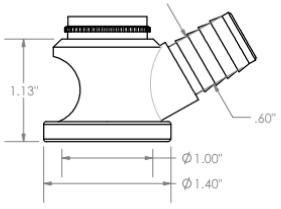
WVS
Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



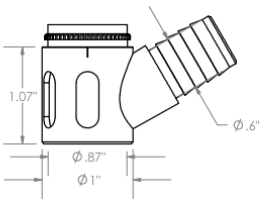
WVI
Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)



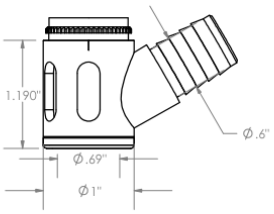
WVE
Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



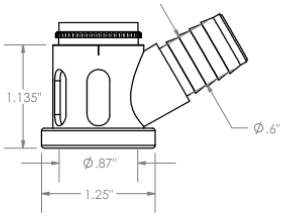
WBVE
Bell Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



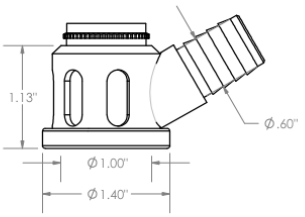
SVS
Slotted Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



SVI
Slotted Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)



SVE
Slotted Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



SBVE
Slotted Bell Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)

*Select foot style from table

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Part Number **WES599**

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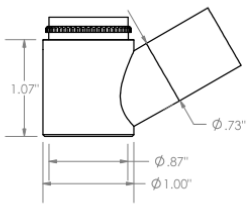
Wescon 599 Microstop

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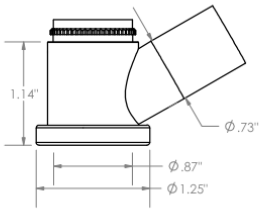
Image 3

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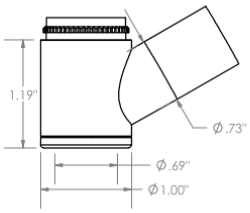
Skirt Option



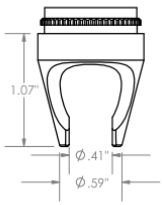
VS
Vaccuum Straight
Cutter Ø3/4"(Ø19mm)



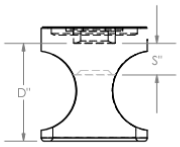
VE
Vaccuum External Thread*
Cutter Ø3/4"(Ø19mm)



VI
Vaccuum Internal Thread*
Cutter Ø5/8"(Ø15mm)

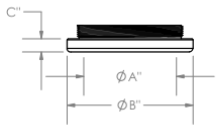


C
Close Quarters
Cutter Ø3/8"(Ø10mm)

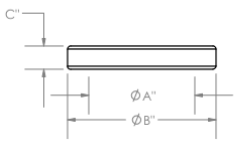


Skirt Inner Dimensions
For all Skirt Styles

Distance From Shaft Face to Skirt Face		Stroke Length
D (Minimum)	D (Maximum)	S
0.750 (19.05mm)	1.02 (25.90mm)	0.30 (7.62mm)



Foot Style For	ØA (ID)	ØB (OD)	C	Nylon P/N	Steel P/N	Phenolic P/N
Internal Threaded Skirt	0.69	1.00	0.13	59620-N	59620-S	59620-P
Bell Internal Threaded Skirt	0.88	1.19	0.13	59640-N	59640-S	59640-P



Foot Style For	ØA (ID)	ØB (OD)	C	Nylon P/N	Steel P/N	Phenolic P/N
External Threaded Skirt	0.87	1.25	0.22	59631-N	59631-S	59631-P
Bell External Threaded Skirt	1.00	1.40	0.22	59641-N	59641-S	59641-P
Bell Wide External Threaded Skirt	1.09	1.50	0.22	59651-N	59651-S	59651-P

*Select foot style from table

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Wescon 599 Microstop

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Image 4

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