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

# DATASHEET

PART NUMBER

# WES690-1000-4320-TF

## Wescon 690 Microstop - 7/16-20 - 1" Cutter Capacity - Straight

LARGE CAPACITY UNITS

WEBSITE

https://www.wesconusa.com/products/WES690-1000-4320-TF



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

The Wescon 690 Series Microstop is a large capacity microstop countersink cage for larger diameter cutters at lower spindle speeds. A bronze bearing rated to 3,000 rpm with a heavy duty thrust bearing carries the 3/8 in (9.525 mm) tri-flat shaft, with 1/2 in (12.70 mm) of shaft travel and 0.0005 in (0.013 mm) incremental adjustment. Cutter capacities run from 7/8 in to 2 in with 3/8-24, 7/16-20, M8x1 or M10x1 cutter threads. Skirts are available in straight, slotted, cutaway, 2-leg, 3-leg and external thread styles with nylon or steel feet.

## SPECIFICATIONS

| | |
|---|---|
| **Measurement Type** | Imperial |
| **Bearing Rating** | 3,000 rpm |
| **Bearing Type** | Bronze Bearing |
| **Heavy Duty Thrust Bearing** | Yes |
| **Incremental Adjustment** | 0.0005 in |
| **Shaft Travel** | 1/2 in |
| **Dust Seal** | No |
| **Cutter Thread** | 7/16-20 |
| **Shaft** | Tri-Flat |
| **Shaft Diameter** | 3/8 in |
| **Cutter Capacity** | 1 in |
| **Skirt** | Straight |
| **Solid Stop** | No |



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| | |
|---|---|
| **Material** | Steel |
| **Country of Origin** | USA |

## ADDITIONAL IMAGES AND DRAWINGS

### WES690 Series Microstop




**Part Number**
WES690-XX-XX-XX-XX
- Shaft Option
- Shaft Thread
- Foot Style
- Skirt Option*(Omit For Straight)
- Cutter Capacity

Incremental Adjustment: 0.0005 in
Shaft Travel: 0.500 in
Material: Carbon Steel Body with Hardened Tool Steel Shaft

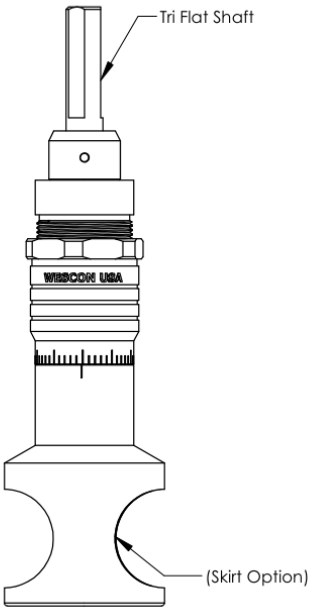
Bearing Rating: 3,000 rpm
Bearing Type: Bronze Bearing
Heavy Duty Thrust Bearing: Yes
Solid Stop: Yes

| Code | Shaft Thread |
|---|---|
| (Blank) | 3/8-24 |
| 4320 | 7/16-20 |
| 8 | M8x1 |
| 10 | M10x1 |

| Code | Cutter Capacity |
|---|---|
| 875 | 7/8"(22mm) |
| 1000 | 1"(25mm) |
| 1250 | 1-1/4"(32mm) |
| 1375 | 1-3/8"(35mm) |
| 1500 | 1-1/2"(38mm) |
| 2000 | 2"(50.8mm) |

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

| Code | Shaft Option |
|---|---|
| TF | Tri Flat |




**WES690-1250-TF**
Microstop with
Tri Flat Shaft

*For skirt options see next page and website.

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Part Number **WES690**

Wescon 690 Microstop

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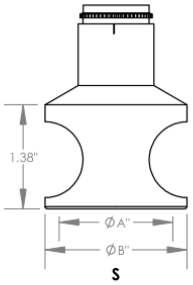
Revision 06 | All dimensions are in Inches | Information in this drawing is provided for reference only



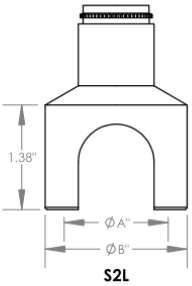
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Image 1

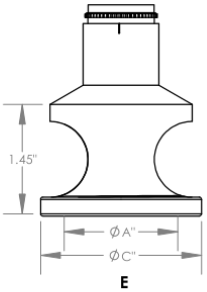
## Skirt Option



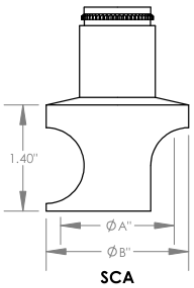

**S**
Straight



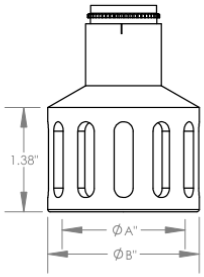

**S2L**
2-Leg



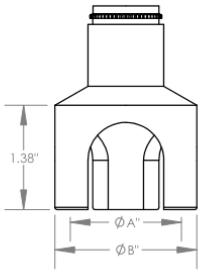

**E**
External Thread
Choose Foot Style From Table



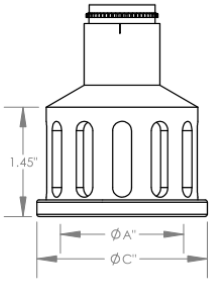

**SCA**
Straight Cutaway




**SL**
Slotted

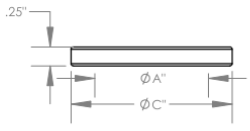



**S3L**
3-Leg




**SE**
Slotted External Thread
Choose Foot Style From Table

| | | | OD for S,SCA,SL,S2L & S3L | OD for E & SE |
|---|---|---|---|---|
| **Code** | **Cutter Capacity** | **Ø A** | **Ø B** | **Ø C** |
| 875 | 7/8"(22 mm) | 1" (25.4 mm) | 1-3/16" (30 mm) | 1.40 (36 mm) |
| 1000 | 1"(25 mm) | 1-1/8" (29 mm) | 1-3/8" (35 mm) | 1.56 (40 mm) |
| 1250 | 1-1/4"(32 mm) | 1-3/8" (35 mm) | 1-5/8" (42 mm) | 1.81 (46 mm) |
| 1375 | 1-3/8"(35 mm) | 1-1/2" (38 mm) | 1-7/8" (48 mm) | 2.13 (54 mm) |
| 1500 | 1-1/2"(38 mm) | 1-5/8" (42 mm) | 2" (50.8 mm) | 2.25 (57 mm) |
| 2000 | 2"(50.8 mm) | 2-1/4" (58 mm) | 2-1/2" (64 mm) | 2.630 (67 mm) |




**Foot Style For External Thread**

| Code | Nylon Ftpc. | Steel Ftpc. | Phenolic Ftpc. |
|---|---|---|---|
| 875 | 59641-N | 59641-S | 59641-P |
| 1000 | 69641-N | 69641-S | 69641-P |
| 1250 | 69661-N | 69661-S | 69661-P |
| 1375 | 69671-N | 69671-S | 69671-P |
| 1500 | 69681-N | 69681-S | 69681-P |
| 2000 | 69691-N | 69691-S | 69691-P |

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Part Number **WES690**

Wescon 690 Microstop

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Image 2



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