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

DATASHEET

PART NUMBER

WESKIT004

Heavy-Duty Microstop & Countersink Kit with Additional Foot Piece Options

WES596 heavy-duty countersink cage, interchangeable straight, flange & threaded skirts, 3 footpieces, and 9 precision cutters.

WEBSITE

https://www.wesconusa.com/products/WESKIT004



Engineered for airframe assembly, the WESKIT004 combines a heavy-duty microstop countersink cage with nine HSS piloted cutters. It includes straight, flanged, and threaded skirts, plus Nylon, Phenolic, and Steel footpieces to guarantee strict depth control without marring delicate panels.

The **WESKIT004 Microstop & Countersink Kit** is engineered for high-volume airframe production, providing assembly lines with complete modularity for any hole preparation scenario. Centered around our heavy-duty WES596-S microstop, this comprehensive kit allows operators to instantly adapt to varying clearances and aircraft skin materials.

By featuring three interchangeable skirt profiles (straight, flange, and external threaded) alongside a trio of specialized footpieces (Nylon, Phenolic, and Steel), production engineers can perfectly match the tool to the exact application. This ensures strict, repeatable depth control while completely eliminating surface scoring and tooling marks on delicate clad aluminum and composite panels. To complete the setup, the kit includes a 9-piece set of precision W415 countersink cutters with integrated pilots.

Maximum Versatility: Rapidly swap skirts and footpieces to transition between different airframe materials and surface profiles.

Surface Protection: Choose between Nylon or Phenolic bases to guarantee zero surface scoring on expensive composite and aluminum panels.

High-Cycle Durability: 100% manufactured in the USA from aircraft-grade materials to withstand continuous assembly line use.

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ADDITIONAL IMAGES AND DRAWINGS



Image 1

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Part Number: **WESKIT004**

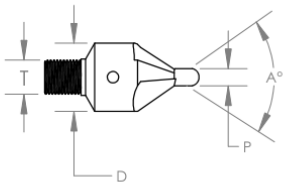
Kit Contents:

Part Number	**Description**
WES596-S	Heavy duty microstop with straight skirt
59604-F	Flange skirt for WES596 microstop
59604-E	External threaded skirt for WES596 microstop
59631-N	Nylon foot for 59604-E skirt
59631-P	Phenolic foot for 59604-E skirt
59631-S	Steel foot for 59604-E skirt
W415	9x countersink cutters with integrated pilot (specifications in Table 1)



Table 1

Part Number	Flutes	P-Pilot Diameter	Angle	D-Cutter Diameter	T-Thread	Material
W415003C	3	3/32"	100°	1/2"	1/4-28	HSS
W415002Z	3	1/8"	100°	1/2"	1/4-28	HSS
W4150030	3	5/32"	100°	1/2"	1/4-28	HSS
W4150031	3	3/16"	100°	1/2"	1/4-28	HSS
W4150032	3	1/4"	100°	1/2"	1/4-28	HSS
W4150033	3	#40	100°	1/2"	1/4-28	HSS
W4150034	3	#30	100°	1/2"	1/4-28	HSS
W4150035	3	#21	100°	1/2"	1/4-28	HSS
W4150036	3	#10	100°	1/2"	1/4-28	HSS



WESCON

Part Number **WESKIT004**

Microstop Kit

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Revision 00 | All dimensions are in Inches | Information in this drawing is provided for reference only

Image 2

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