



OSG
Tap & Die, Inc.

AEROSPACE SPECIAL



Solid Micrograin Carbide Specialty Aircraft Tools Made To Order

Type 50 Spacematic Drill/Countersink

Carbide drill and countersink with internal thread and 60 degree cone seat straight shank style with pin spanner wrench holes or optional wrench flats for slotted type drill wrenches. Application: Spacematic Drill motors with 1" stroke.



Type 52 Drivematic Drill/Countersink

Carbide drill and countersink with solid shank used in aerospace drivematic drill riveting machines.



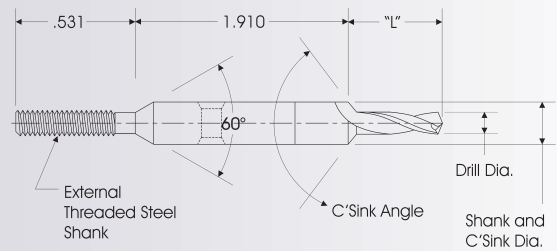
Type 54 Nutplate Drill/Countersink

Carbide drill and countersink with 135 degree split point. External thread and 60 degree cone seat straight shank style with pin spanner wrench holes. Application: Nutplate and motors with nutplate pressure foot attachments.



Shank and C'Sink	Drill Dia.	External Thread
.1250	.0670	#3-56
.1875	.0670	#8-32
.1875	.0980	#8-32
.2500	.0980	#8-32
.2500	.1285	#8-32
.3125	.1285	#8-32
.3125	.1590	#8-32
.3750	.1590	#8-32

Drill Length	"L" Dim.
.25	.295
.35	.420
.50	.560
.90	.970



Carbide Tapered Reamer

Our carbide tapered reamers are designed for finishing hole sizes in composite materials. The geometries incorporated into the design of these tools produce excellent results; flaking, tearing, and cracking in laminate materials are minimized.



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NAS 937 Jobbers Length Double Margin Step Drill

Carbide drill with 135 degree split point. Used for drilling close tolerance holes in low tensile strength materials. Can also be supplied in taper and screw machine lengths, or special lengths.



Type 55 Threaded Hex Shank Adapter Drill

Carbide adapter drill manufactured to NAS 907 construction with 135 degree split points. Used for general to medium duty drilling in low tensile strength materials in confined areas.



Type 56 Threaded Square Shank Adapter Drill

Carbide step adapter drills are manufactured similar to NAS 907 construction with 135 degree split points. Used for drilling hard, tough, high tensile strength materials in confined areas.



Dagger Drill

This carbide drill is designed to produce holes in composite materials without delamination around the hole or fraying the composite material.



Herringbone Router

This carbide router is designed primarily for use with composite and honeycomb materials. This design with opposing flutes compresses the material to produce an excellent finish on both sides of material being routed.



OSG Tap & Die, Inc. is committed to producing state-of-the-art hole preparation carbide cutting tools required by today's aerospace industry. All special cutting tools are designed and produced to meet the rigid aerospace standards and specifications. With the increasing number of new applications and materials that are being utilized today, OSG is positioned to meet these challenges with new carbide grades, unique geometry and special coatings.

In addition, OSG produces numerous types and styles of eight facet drills, drill/reamers, dagger drills, spacematic drills, drivematic drills, nutplate drills, double margin drills, core drills, special aerospace reamers, routers and countersinks to meet the new and ever changing dynamics of the aerospace industry.



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