To Order Contact: Exact Tooling / www.exacttooling.com / sales@exacttooling.com / 888-988-8820

Intrepid Aero Tool

Intrepid Tool Industries

Everede Tool Company

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Carbide Dagger Drill

Part #	Drill Diameter	Decimal Size	Metric Diameter	OAL
DGGR-0938-4 or 6	3/32	.0938	2.38 mm	4/6
DGGR-0980-4 or 6	#40	.0980	2.49 mm	4/6
DGGR-1250-4 or 6	1/8	.1250	3.17 mm	4/6
DGGR-1285-4 or 6	#30	.1285	3.26 mm	4/6
DGGR-1562-4 or 6	5/32	.1562	3.97 mm	4/6
DGGR-1590-4 or 6	#21	.1590	4.04 mm	4/6
DGGR-1610-4 or 6	#20	.1610	4.09 mm	4/6
DGGR-1875-4 or 6	3/16	.1875	4.76 mm	4/6
DGGR-1910-4 or 6	#11	.1910	4.85 mm	4/6
DGGR-1935-4 or 6	#10	.1935	4.91 mm	4/6
DGGR-1960-4 or 6	#9	.1960	4.98 mm	4/6
DGGR-1990-4 or 6	#8	.1990	5.05 mm	4/6
DGGR-2500-4 or 6	1/4	.2500	6.35 mm	4/6
DGGR-3125-4 or 6	5/16	.3125	7.94 mm	4/6
DGGR-3750-4 or 6	3/8	.3750	9.52 mm	4/6

*Most items in stock, for sizes not shown please contact office for availability.
*Standard OAL is 4" or 6", special sizes available on request.

Dagger Drills can be ordered in standard lengths of 4" or 6". Example: DGGR-0938-6

DGGR-0938-6

Drill Diameter — Over All Length

Straight Shank Solid Carbide Drill/Reamers

Part #	Reamer Diameter	Decimal Size	Metric Diameter	OAL
DRRM-0938-4/6	3/32	.0938	2.38 mm	4/6
DRRM-0980-4/6	#40	.0980	2.49 mm	4/6
DRRM-1250-4/6	1/8	.1250	3.17 mm	4/6
DRRM-1285-4/6	#30	.1285	3.26 mm	4/6
DRRM-1562-4/6	5/32	.1562	3.97 mm	4/6
DRRM-1590-4/6	#21	.1590	4.04 mm	4/6
DRRM-1610-4/6	#20	.1610	4.09 mm	4/6
DRRM-1875-4/6	3/16	.1875	4.76 mm	4/6
DRRM-1910-4/6	#11	.1910	4.85 mm	4/6
DRRM-1935-4/6	#10	.1935	4.91 mm	4/6
DRRM-1960-4/6	#9	.1960	4.98 mm	4/6
DRRM-1990-4/6	#8	.1990	5.05 mm	4/6
DRRM-2500-4/6	1/4	.2500	6.35 mm	4/6
DRRM-3125-4/6	5/16	.3125	7.94 mm	4/6
DRRM-3750-4/6	3/8	.3750	9.52 mm	4/6

- **Solid Carbide Drill Reamer**
- **For strand free, accurate holes in laminate composite and graphite material.**
- **Standard flute length is 1 1/2"**

Drill Reamers can be ordered in standard lengths of 4" or 6" Example: DRRM-1285-6

DRRM-1285-4/6

Drill Reamer | **Diameter** | **Length**

Carbide Threaded Shank Drill 4 Facet

Part #	Drill Diameter	Decimal Size	Flute Length	OAL	Metric Diameter
DRTS-0938	3/32	.0938	7/8	2 1/8	2.38 mm
DRTS-0980	#40	.0980	7/8	2 1/8	2.49 mm
DRTS-1250	1/8	.1250	7/8	2 1/8	3.17 mm
DRTS-1285	1/8	.1285	1 1/8	2 1/8	3.26 mm
DRTS-1562	5/32	.1562	1 1/8	2 1/8	3.97 mm
DRTS-1590	#21	.1590	1 1/8	2 1/8	4.04 mm
DRTS-1610	#20	.1610	1 1/8	2 1/8	4.09 mm
DRTS-1875	3/16	.1875	1 1/8	2 1/8	4.76 mm
DRTS-1910	#11	.1910	1 1/8	2 1/8	4.85 mm
DRTS-1935	#10	.1935	1 1/8	2 1/8	4.91 mm
DRTS-2188	7/32	.2188	1 1/8	2 1/8	5.56 mm
DRTS-2500	1/4	.2500	1 1/8	2 1/8	6.35 mm
DRTS-2570	F	.2570	1 1/8	2 1/8	6.53 mm

For Other Sizes:

DRTS-1910-1.125-2.125

- DRTS-1910 — Diameter
- 1.125 — Flute
- 2.125 — Over All Length

Nut Plate Drill

Part #	Drill Size	Flute Length
DRNUT-098-420	.098	.420
DRNUT-098-560	.098	.560

Carbide Piloted Reamer

Finish an existing hole to a precise diameter

RMP-1562-1285-1.5-4

- RMP — Major Diameter
- 1562 — Pilot Diameter
- 1285 — Flute Length
- 1.5 — OAL Length
- 4

Carbide Piloted Core Drill

Finish drilling an existing hole

DRCD-1562-1285-1.5-4

- DRCD — Major Diameter
- 1562 — Pilot Diameter
- 1285 — Flute Length
- 1.5 — OAL Length
- 4

8 Facet Drill

Avoids delamination in composite & graphite

DR8F-1285-1.5-4

- DR8F — Drill Diameter
- 1285 — Flute Length
- 1.5 — OAL Length
- 4

Parabolic Drills

Improves chip evacuation in deep hole drilling of non-ferrous material

DRP-1285-1.5-4

- DRP — Drill Diameter
- 1285 — Flute Length
- 1.5 — OAL Length
- 4

Double Margin Drills

Superior finish in drilled hole

DRDM-1285-1.5-4

- Drill Diameter
- Flute Length
- OAL Length

Threaded Shank Dagger Drills

Avoids delamination & controls depth in hand held operation

DGGRTS-1285-1.0-2.125

- Diameter
- Flute Length
- OAL Length

Threaded Shank Drill Reamer

Hand held reaming of laminates, composites & graphite in one operation

DRRMTS-1285-1.0-2.125

- Diameter
- Flute Length
- OAL Length

Threaded Shank Reamer

Accurate hole dimensions in non-ferrous material at controlled depths.

RMTS-1285-113-1.5-2.125

- Major Diameter
- Pilot Diameter
- Flute Length
- OAL Length

EVERSINK COUNTERSINK

BOLT-ON STYLE EVERSINK

Number of Flutes — Numbering System — C'sink Angle

Body Dia.
6 = 5/8"
7 = 3/4"
8 = 7/8"
9 = 1"

2-6 1 8 7 0 1

Pilot Dia
Middle 4 Digits

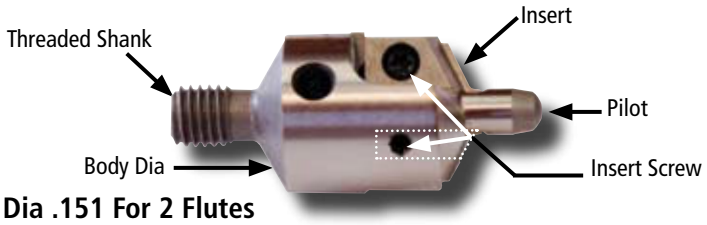
C'sink Angle
8 = 82°
9 = 90°
1 = 100°
3 = 130°

Pat. No. 5863161

Threaded Shank Countersink 100° & 130°

Insert Screw #
19035

Torx Key #
19552



Min Pilot Dia .151 For 2 Flutes

Body Dia	Included Angle	Shank	Max Pilot Dia
5/8	100°	1/4-28	. 281
5/8	130°	1/4-28	.281
3/4	100°	3/8-24	.296
7/8	100°	3/8-24	.421
7/8	130°	3/8-24	.421
1	100°	7/16-20	.546
1	130°	7/16-20	.546

EVERSINK COUNTERSINK

CAM-LOCK STYLE EVERSINK

Body Dia.
6 = 5/8"
7 = 3/4"
8 = 7/8"
9 = 1"

Numbering System

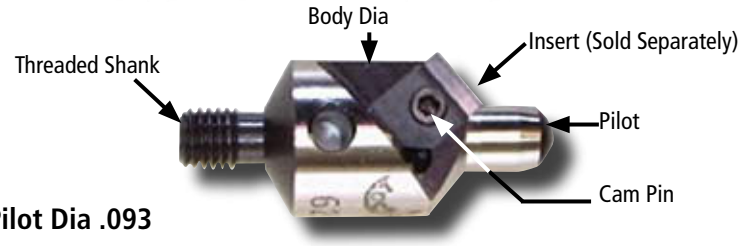
6 1 8 7 0 1

Pilot Dia
Middle 4 Digits

C'sink Angle
8 = 82°
9 = 90°
1 = 100°
3 = 130°

Threaded Shank Countersink 100° & 130°

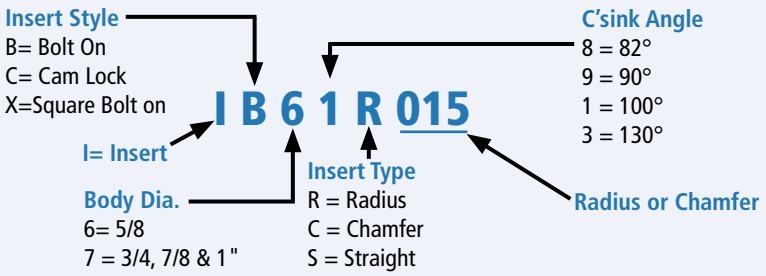
Cam Pin Part #:
For Pilots Under .200:
101501
Cam Pin Part #:
For Pilots Over .200:
101501L
Hex Key:
19325



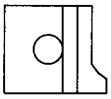
Min Pilot Dia .093

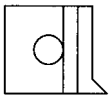
Body Dia	Included Angle	Shank Diameter	Max Pilot Dia *
5/8	100°	1/4-28	.281
5/8	130°	1/4-28	.269
3/4	100°	3/8-24	.296
7/8	100°	3/8-24	.421
7/8	130°	3/8-24	.327
1	100°	7/16-20	.546
1	130°	7/16-20	.452

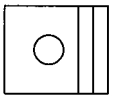
EVERSINK INSERTS



Cam-Lock Style


RADIUS STYLE

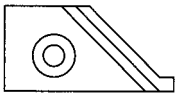

DOUBLE ANGLE STYLE

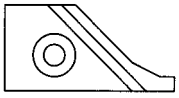

STRAIGHT STYLE

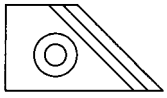
Insert Number	Included Angle	Body Diameter	Insert Style
IC68S000	82°/ 90°	5/8	Straight
IC78S000	82°/ 90°	3/4-1"	Straight
IC61C025	100°	5/8	25° Double Angle
IC71C025	100°	3/4-1"	25° Double Angle
IC61R020	100°	5/8	.020 Radius
IC71R035	100°	3/4-1"	.035 Radius
IC63R025	130°	5/8	.025 Radius
IC63R030	130°	5/8	.030 Radius
IC73R025	130°	7/8-1"	.025 Radius
IC73R035	130°	7/8-1"	.030 Radius

*Other Fillet Radii Available

Bolt-On Style


RADIUS STYLE


DOUBLE ANGLE STYLE


STRAIGHT STYLE

Insert Number	Included Angle	Body Diameter	Insert Style
IB68S000	82°	5/8	Straight
IB69S000	90°	5/8	Straight
IB78S000	82°	3/4-1"	Straight
IB79S000	90°	3/4-1"	Straight
IB61C025	100°	5/8	25° Double Angle
IB71C025	100°	3/4-1"	25° Double Angle
IB61R020	100°	5/8	.020 Radius
IB71R035	100°	3/4-1"	.035 Radius
IB63R025	130°	5/8	.025 Radius
IB63R030	130°	5/8	.030 Radius
IB73R025	130°	7/8-1"	.025 Radius
IB73R030	130°	7/8-1"	.030 Radius

*Other Fillet Radii Available
*PCD Tipped Cam Lock & Bolt on Inserts are Available; Call for Pricing

HSS Threaded Shank Countersinks

*All body diameters 3/8" through 5/8" have 1/4 - 28 threaded shanks
*All stock standard countersinks in the charts below have three flutes

82° HSS Countersink

Part #	Body Dia	Pilot Dia
HT-33-8-094	3/8	3/32
HT-33-8-125	3/8	1/8
HT-33-8-156	3/8	5/32
HT-33-8-187	3/8	3/16
HT-34-8-094	7/16	3/32
HT-34-8-125	7/16	1/8
HT-34-8-156	7/16	5/32
HT-34-8-187	7/16	3/16
HT-35-8-094	1/2	3/32
HT-35-8-125	1/2	1/8
HT-35-8-156	1/2	5/32
HT-35-8-187	1/2	3/16
HT-36-8-094	5/8	3/32
HT-36-8-125	5/8	1/8
HT-36-8-156	5/8	5/32
HT-36-8-187	5/8	3/16
HT-36-8-250	5/8	1/4
HT-36-8-312	5/8	5/16

90° HSS Countersink

Part #	Body Dia	Pilot Dia
HT-33-9-094	3/8	3/32
HT-33-9-125	3/8	1/8
HT-33-9-156	3/8	5/32
HT-33-9-187	3/8	3/16
HT-34-9-094	7/16	3/32
HT-34-9-125	7/16	1/8
HT-34-9-156	7/16	5/32
HT-34-9-187	7/16	3/16
HT-35-9-094	1/2	3/32
HT-35-9-125	1/2	1/8
HT-35-9-156	1/2	5/32
HT-35-9-187	1/2	3/16
HT-36-9-094	5/8	3/32
HT-36-9-125	5/8	1/8
HT-36-9-156	5/8	5/32
HT-36-9-187	5/8	3/16
HT-36-9-250	5/8	1/4
HT-36-9-312	5/8	5/16

100° HSS Countersink

Part #	Body Dia	Pilot Dia
HT-33-1-094	3/8	3/32
HT-33-1-098	3/8	# 40
HT-33-1-125	3/8	1/8
HT-33-1-128	3/8	# 30
HT-33-1-156	3/8	5/32
HT-33-1-159	3/8	# 21
HT-33-1-161	3/8	# 20
HT-33-1-187	3/8	3/16
HT-33-1-191	3/8	# 11
HT-33-1-193	3/8	# 10
HT-34-1-094	7/16	3/32
HT-34-1-125	7/16	1/8
HT-34-1-156	7/16	5/32
HT-34-1-187	7/16	3/16
HT-35-1-094	1/2	3/32
HT-35-1-098	1/2	# 40
HT-35-1-125	1/2	1/8
HT-35-1-128	1/2	# 30
HT-35-1-156	1/2	5/32
HT-35-1-159	1/2	# 21
HT-35-1-161	1/2	# 20
HT-35-1-187	1/2	3/16
HT-35-1-191	1/2	# 11
HT-35-1-193	1/2	#10
HT-36-1-094	5/8	3/32
HT-36-1-125	5/8	1/8
HT-36-1-156	5/8	5/32
HT-36-1-187	5/8	3/16
HT-36-1-250	5/8	1/4
HT-36-1-312	5/8	5/16

130° HSS Countersink

Part #	Body Dia	Pilot Dia
HT-33-3-094	3/8	3/32
HT-33-3-098	3/8	# 40
HT-33-3-125	3/8	1/8
HT-33-3-128	3/8	# 30
HT-33-3-156	3/8	5/32
HT-33-3-159	3/8	# 21
HT-33-3-161	3/8	# 20
HT-33-3-187	3/8	3/16
HT-33-3-191	3/8	# 11
HT-33-3-193	3/8	# 10
HT-35-3-094	1/2	3/32
HT-35-3-098	1/2	# 40
HT-35-3-125	1/2	1/8
HT-35-3-128	1/2	# 30
HT-35-3-156	1/2	5/32
HT-35-3-159	1/2	# 21
HT-35-3-161	1/2	# 20
HT-35-3-187	1/2	3/16
HT-35-3-191	1/2	# 11
HT-35-3-193	1/2	#10

Call for price and delivery on other body diameters, pilot diameters, flute configurations or alternative threaded shanks.

Carbide Threaded Shank Countersinks

*All body diameters 3/8" through 5/8" have 1/4 - 28 threaded shanks
*All stock standard countersinks in the charts below have three flutes

82° Carbide Countersink

Part #	Body Dia	Pilot Dia
CT-33-8-094	3/8	3/32
CT-33-8-125	3/8	1/8
CT-33-8-156	3/8	5/32
CT-33-8-187	3/8	3/16
CT-34-8-094	7/16	3/32
CT-34-8-125	7/16	1/8
CT-34-8-156	7/16	5/32
CT-34-8-187	7/16	3/16
CT-35-8-094	1/2	3/32
CT-35-8-125	1/2	1/8
CT-35-8-156	1/2	5/32
CT-35-8-187	1/2	3/16
CT-36-8-094	5/8	3/32
CT-36-8-125	5/8	1/8
CT-36-8-156	5/8	5/32
CT-36-8-187	5/8	3/16
CT-36-8-250	5/8	1/4

90° Carbide Countersink

Part #	Body Dia	Pilot Dia
CT-33-9-094	3/8	3/32
CT-33-9-125	3/8	1/8
CT-33-9-156	3/8	5/32
CT-33-9-187	3/8	3/16
CT-34-9-094	7/16	3/32
CT-34-9-125	7/16	1/8
CT-34-9-156	7/16	5/32
CT-34-9-187	7/16	3/16
CT-35-9-094	1/2	3/32
CT-35-9-125	1/2	1/8
CT-35-9-156	1/2	5/32
CT-35-9-187	1/2	3/16
CT-36-9-094	5/8	3/32
CT-36-9-125	5/8	1/8
CT-36-9-156	5/8	5/32
CT-36-9-187	5/8	3/16
CT-36-9-250	5/8	1/4

100° Carbide Countersink

Part #	Body Dia	Pilot Dia
CT-33-1-094	3/8	3/32
CT-33-1-098	3/8	# 40
CT-33-1-125	3/8	1/8
CT-33-1-128	3/8	# 30
CT-33-1-156	3/8	5/32
CT-33-1-159	3/8	#21
CT-33-1-161	3/8	# 20
CT-33-1-187	3/8	3/16
CT-33-1-191	3/8	#11
CT-33-1-193	3/8	# 10
CT-34-1-094	7/16	3/32
CT-34-1-125	7/16	1/8
CT-34-1-156	7/16	5/32
CT-34-1-187	7/16	3/16
CT-35-1-094	1/2	3/32
CT-35-1-098	1/2	#40
CT-35-1-125	1/2	1/8
CT-35-1-128	1/2	# 30
CT-35-1-156	1/2	5/32
CT-35-1-159	1/2	#21
CT-35-1-161	1/2	# 20
CT-35-1-187	1/2	3/16
CT-35-1-191	1/2	#11
CT-35-1-193	1/2	#10
CT-35-1-250	1/2	1/4
CT-36-1-094	5/8	3/32
CT-36-1-098	5/8	# 40
CT-36-1-125	5/8	1/8
CT-36-1-128	5/8	#30
CT-36-1-156	5/8	5/32
CT-36-1-159	5/8	# 21
CT-36-1-161	5/8	#20
CT-36-1-187	5/8	3/16
CT-36-1-191	5/8	#11
CT-36-1-193	5/8	#10
CT-36-1-250	5/8	1/4

130° Carbide Countersink

Part #	Body Dia	Pilot Dia
CT-33-3-094	3/8	3/32
CT-33-3-098	3/8	# 40
CT-33-3-125	3/8	1/8
CT-33-3-128	3/8	# 30
CT-33-3-156	3/8	5/32
CT-33-3-159	3/8	#21
CT-33-3-161	3/8	# 20
CT-33-3-187	3/8	3/16
CT-33-3-191	3/8	#11
CT-33-3-193	3/8	# 10

Call for price and delivery on other body diameters, pilot diameters, flute configurations or alternative threaded shanks.

Reverse Spot Facer

BODIES		
Part #	Diameter	Pilot Hole
RSF-250-094	1/4	3/32
RSF-250-125	1/4	1/8
RSF-312-125	5/16	1/8
RSF-312-156	5/16	5/32
RSF-375-156	3/8	5/32
RSF-375-188	3/8	3/16
RSF-437-156	7/16	5/32
RSF-437-188	7/16	3/16
RSF-500-188	1/2	3/16
RSF-500-250	1/2	1/4
RSF-562-188	9/16	3/16
RSF-562-250	9/16	1/4
RSF-625-250	5/8	1/4
RSF-625-312	5/8	5/16
RSF-687-250	11/16	1/4
RSF-687-312	11/16	5/16
RSF-750-250	3/4	1/4
RSF-750-312	3/4	5/16
RSF-875-312	7/8	5/16
RSF-875-375	7/8	3/8
RSF-1.000-312	1	5/16
RSF-1.000-375	1	3/8
RSF-1.250-375	1-1/4	3/8
RSF-1.250-500	1-1/4	1/2

PILOTS	
Part #	Pilot Dia.
PB-094-6	3/32
PB-125-6	1/8
PB-156-6	5/32
PB-187-6	3/16
PB-250-6	1/4
PB-312-6	5/16
PB-375-6	3/8
PB-500-6	1/2

- **Made From HSS**
- **Standard Radius .030**
- **Other Radii Available Upon Request**

Pilots are 6" OAL, Other Sizes Available Upon Request.

PCD Tipped Countersinks

Integral Pilot shown

Integral Pilot

Number of Flutes — Pilot Diameter

PT-23-1-193

Body Diameter
3 = 3/8" 5 = 1/2"
6 = 5/8" 7 = 3/4"
8 = 7/8" 9 = 1"

C'sink Angle
1 = 100° 9 = 90°
8 = 82° 3 = 130°

Removeable Pilot

Number of Flutes — Pilot Diameter

PT-25-1-RP125

Body Diameter
3 = 3/8" 5 = 1/2"
6 = 5/8" 7 = 3/4"
8 = 7/8" 9 = 1"

C'sink Angle
1 = 100° 9 = 90°
8 = 82° 3 = 130°

Reverse Countersink

Body Diameter
Exp: 25 = 1/4"
31 = 5/16"
37 = 3/8"
43 = 7/16"
50 = 1/2"
62 = 5/8"
75 = 3/4"
87 = 7/8"

Pilot Hole

RCS-31-1-156

C'sink Angle
1 = 100° 8 = 82°
3 = 130° 9 = 90°

To Order Contact: Exact Tooling / www.exacttooling.com / sales@exacttooling.com / 888-988-8820

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