

DEEP DRILLING

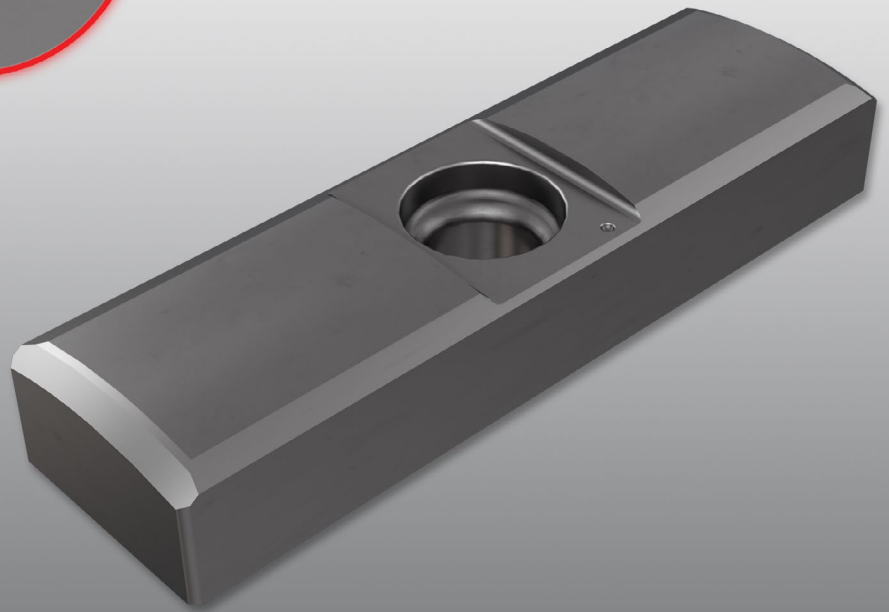
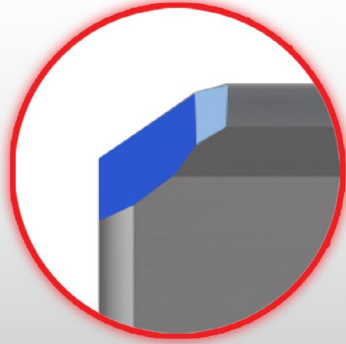
42-2024

JULY 2024

METRIC

NPA

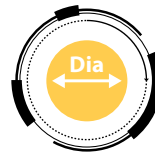
New Product Announcement



PVD Coated



Added Variety



Adjustable
Diameter



ISCAR DEEP DRILL

Introducing Double Chamfered Plus-Size Guide Pads



PVD Coated



Added Variety



Adjustable Diameter

NPA

New Product Announcement

ISCAR DEEP DRILL

Highlights

Double Chamfer Guide Pads for Deep Hole Tools, Include Plus-Size Guide Pads

The double chamfer on the edge of the guide pad helps ensure a smooth entry into the machined hole, prevents premature wear, reduces the chance of guide pad damage, and improves surface finish by minimizing the risk of scratching the hole surface. Additionally, plus-size guide pads with a double chamfer will be launched, featuring the 908 grade. The IC908 grade provides exceptional fracture resistance in both oil and water-soluble environments.



Suitable for all head types, with cartridges for adjusting the diameter in drilling, and counterboring.

Production Category: Guide pads for indexable insert drills.

Application Areas: Carbon steel, alloy steel, cast iron, heat resistant superalloys.

Diameter Range: Ø12.00 mm - Ø293.99 mm.

Target Industries: Die & mold, heavy equipment, power generation, automotive oil & gas, and aerospace industries.

Potential Competitors: Brazed gundrills, indexable gundrills, and BTA drills.



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Features

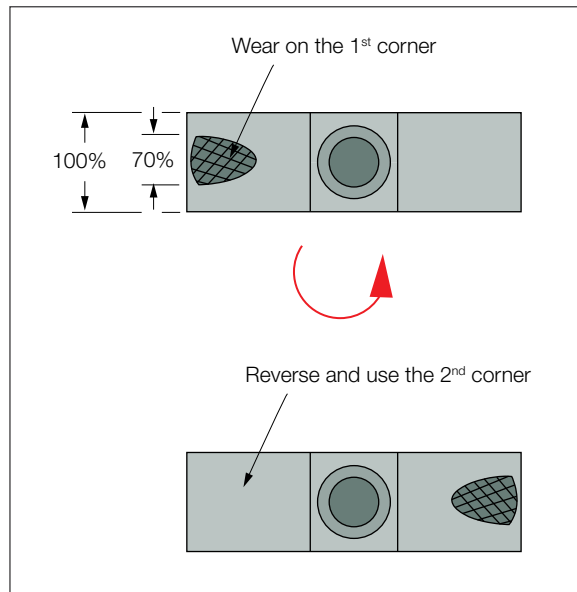
- The use of plus parts enables an increase in the diameter of the indexable drill by up to 5 mm, in increments of 1 mm.
- This is achieved by replacing the peripheral cartridges and guide pads to expand the diameter.

By simply changing the peripheral cartridge and guide pads, the original head diameter can be increased by up to 5 mm. Standard plus parts are available in 1 mm, 2 mm, 3 mm, 4 mm, and 5 mm sizes.

+ Plus						
	+1	+2	+3	+4	+5	
	0.039"	0.079"	0.118"	0.157"	0.197"	

Guide pads are subject to wear much like inserts

- Each guide pad can be used on both sides. When the first corner wears out 70% of its width, simply reverse the guide pad to utilize the second corner.
- Replace the worn guide pad with a new one when the second corner wears out.



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Sales Strategy

- Guide pads with high fracture resistance are designed for use in both oil and water-soluble environments.
- They feature a dedicated carbide substrate with superior resistance to fracture and thermal cracks.
- The double-chamfer geometry enhances surface finish and extends the tool's lifespan.

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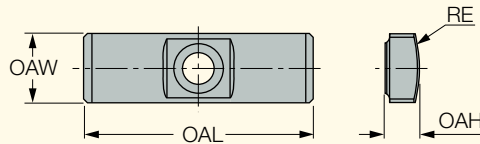
New Product Announcement

ISCAR DEEP DRILL

GPS-PLUS

Deep Drilling Solid Carbide Plus Size Guide Pads

<https://www.iscar.com/eCatalog/Family.aspx?fnum=5366&mapp=DR&GFSTYP=M&srch=1>



Dimensions

Designation	DCN	DCX	OAW	OAL	OAH	RE	IC908
New GPS-08-25-160-DC+1	38.00	44.99	8.00	25.00	5.00	16.00	●
New GPS-08-25-165-DC+2	38.00	44.99	8.00	25.00	5.50	16.50	●
New GPS-08-25-170-DC+3	38.00	44.99	8.00	25.00	6.00	17.00	●
New GPS-10-35-205-DC+1	45.00	59.99	10.00	35.00	6.50	20.50	●
New GPS-10-35-210-DC+2	45.00	59.99	10.00	35.00	7.00	21.00	●
New GPS-10-35-215-DC+3	45.00	59.99	10.00	35.00	7.50	21.50	●
New GPS-10-35-220-DC+4	45.00	59.99	10.00	35.00	8.00	22.00	●
New GPS-14-40-255-DC+1	60.00	98.99	14.00	40.00	8.00	25.50	●
New GPS-14-40-260-DC+2	60.00	98.99	14.00	40.00	8.50	26.00	●
New GPS-14-40-265-DC+3	60.00	98.99	14.00	40.00	9.00	26.50	●
New GPS-14-40-270-DC+4	60.00	98.99	14.00	40.00	9.50	27.00	●
New GPS-14-40-275-DC+5	60.00	98.99	14.00	40.00	10.00	27.50	●
New GPS-18-40-305-DC+1	99.00	293.99	18.00	40.00	9.50	30.50	●
New GPS-18-40-310-DC+2	99.00	293.99	18.00	40.00	10.00	31.00	●
New GPS-18-40-315-DC+3	99.00	293.99	18.00	40.00	10.50	31.50	●
New GPS-18-40-320-DC+4	99.00	293.99	18.00	40.00	11.00	32.00	●
New GPS-18-40-325-DC+5	99.00	293.99	18.00	40.00	11.50	32.50	●