



TRA-HO 3D & 5D

Special Order Drill Designed for Increased Productivity in Aluminum

Excellent Hole Positioning!

PRIMARY TARGETS

- Cast Aluminum
- Cast Hole
- Customers who have the need for speed!

SOLUTIONS

- Increased Productivity
- Hole quality

HOW DOES IT WORK?

3-Flute

- Triple guidance improves hole precision

DLC IGUSS Coating

- Thick coating type minimize wear on the cutting edge to enable high durability and long tool life.

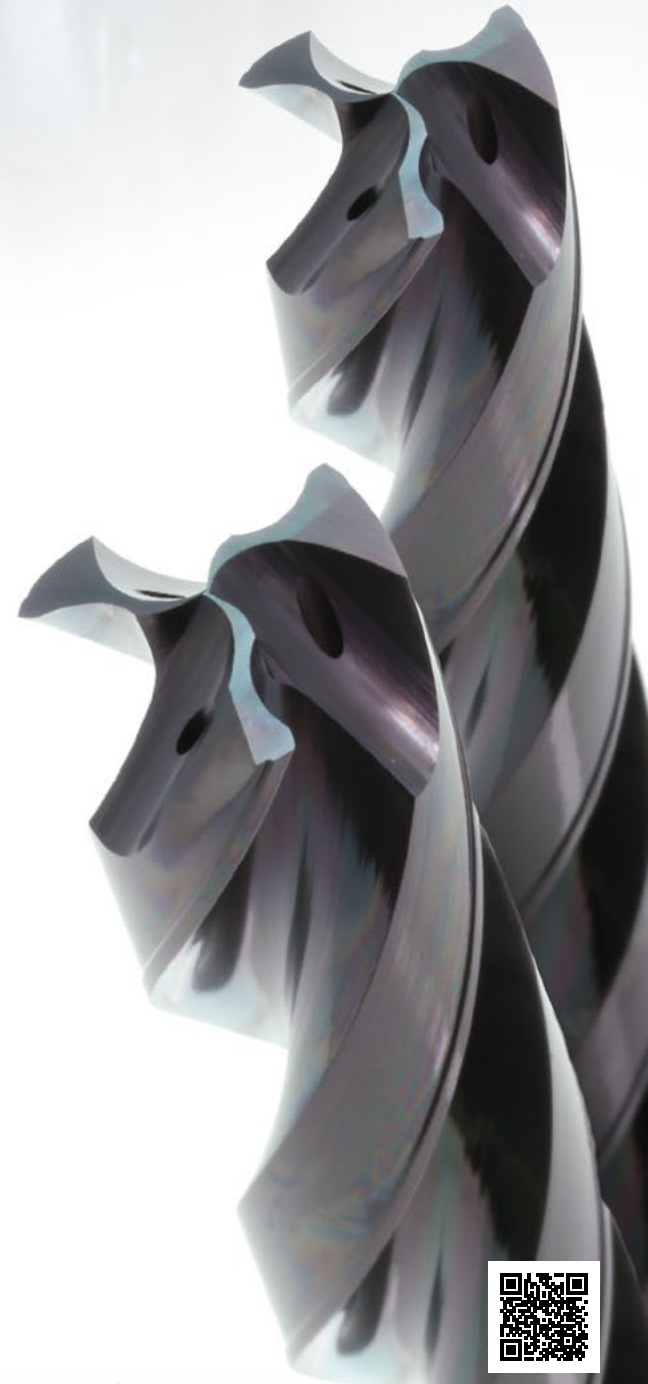
Hardness	Coefficient of Friction	Coating Thickness
60 GPa (6000Hv)	0.10	0.8 μm

Large Radius Gash

- R Gash: Reduces cutting force
- Wide Pocket: Good chip evacuation with heavy feed.

Larger Core Diameter

- Improves hole precision



160° Point Angle
For drilling in cast material.

Large Radius Gash
R Gash: Reduces cutting force.
Wide Pocket: Good chip evacuation with heavy feed.

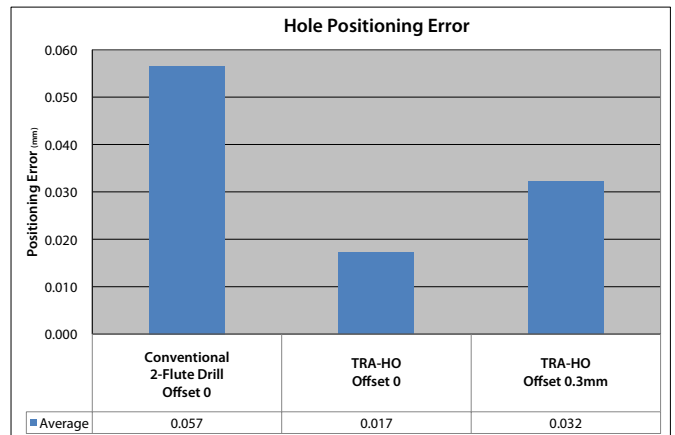
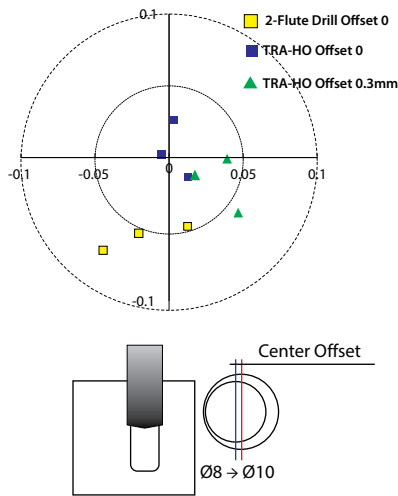
DLC IGUSS Coating
Provides high adhesion resistance & stable tool life.

Larger Core Diameter
Improves hole precision.

3-Flute
For heavy table feed and improved hole precision.

Excellent hole positioning

Hole Positioning Data, Ø10mm Drill in to Ø8mm Cast Hole, Offset 0 and 0.3mm



TRA-HO Size Offering

Special Order

Depth	Size	OAL	Flute Length	Shank Dia.
3D	4	74	24	4
3D	4.62	80	28	6
3D	5	80	25	6
3D	5.5	82	26	6
3D	6	82	30	6
3D	6.8	88	34	8
3D	7.38	94	37	8
3D	8	94	40	8
3D	8.5	101	43	10
3D	10	106	50	10
3D	12	120	60	12
3D	14	134	70	14

Depth	Size	OAL	Flute Length	Shank Dia.
5D	4	86	36	4
5D	4.62	95	42	6
5D	5	95	45	6
5D	5.5	100	44	6
5D	6	100	48	6
5D	6.8	109	55	8
5D	7.38	118	60	8
5D	8	118	64	8
5D	8.5	128	68	10
5D	10	136	80	10
5D	12	156	96	12
5D	14	176	112	14



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