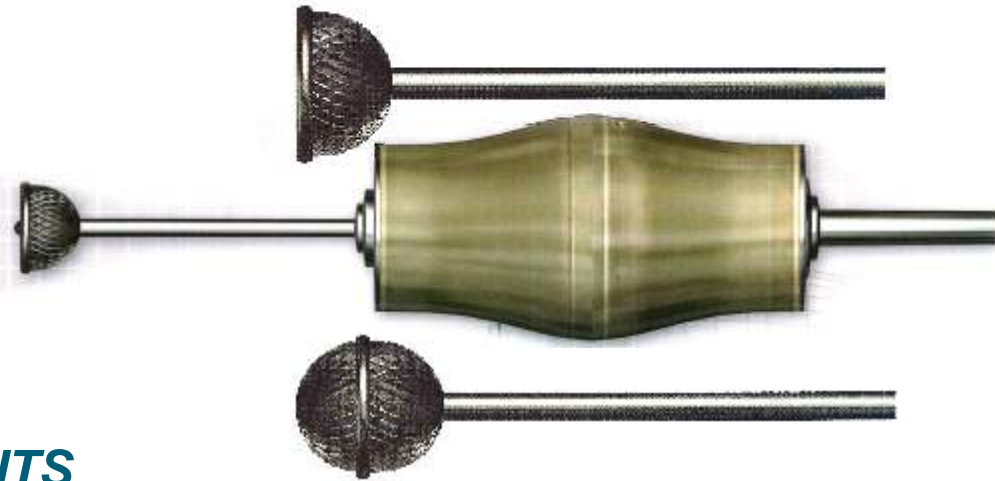


In-Process Deburring Of Cross-drilled Holes

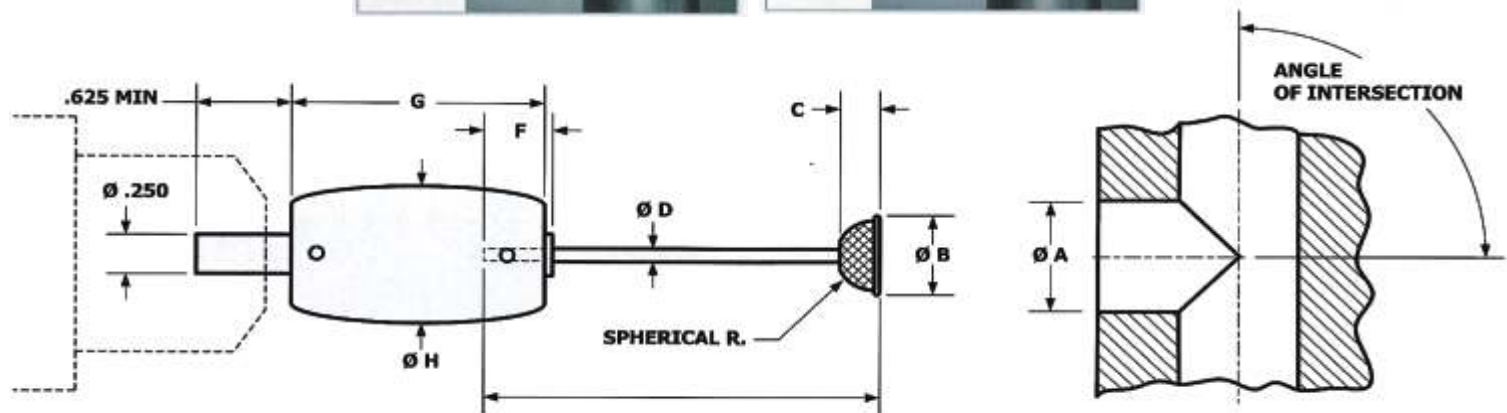
MADE EASY WITH ORBITOOL™

The next tool after drill is the only deburring tool capable of in-process deburring of cross-drilled holes. The tool is used just like any cutting tool found on a lathe turret or tool magazine of a milling machine. It removes burrs specifically from the intersection of the holes. The operation can be tailored to leave a minimally broken edge or a blended radius.



BENEFITS

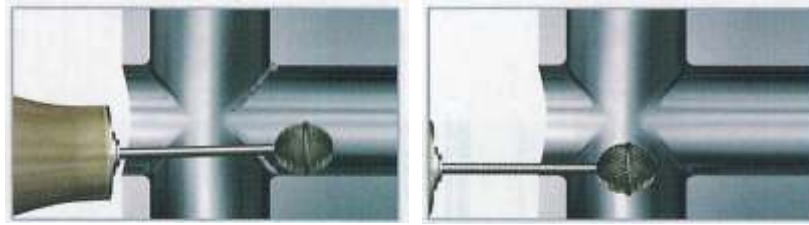
- Consistent result and consistent quality
- Increased throughput/shorter cycle time
- Reduced deburring cost
- No setup for secondary deburring operations
- No batch and queue
- Ideal for controlled process environment
- No damage to the surface due to Protection ring



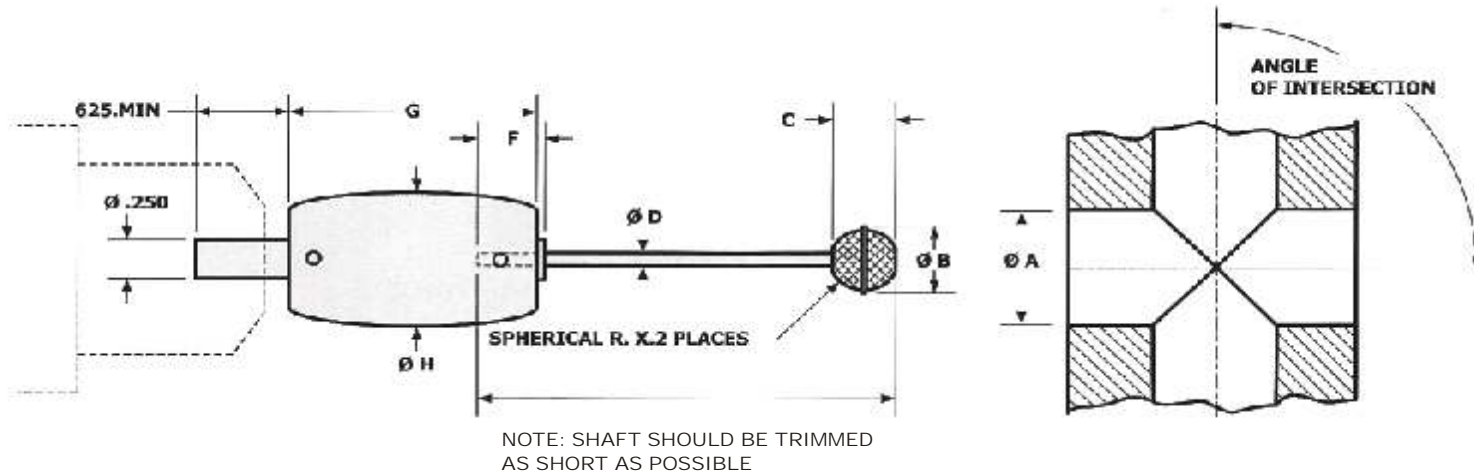
NOTE: SHAFT SHOULD BE TRIMMED AS SHORT AS POSSIBLE

Nominal	Complete Tool P/N	Flexible Holder P/N	Cutter P/N Series	Ø A min (approx) varies with angle of intersection			Ø B disk	C head height	Ø D shaft	E shaft length (supplied)	F insertion		G	Ø H
				90	60	45					MIN	MAX		
2.38 / 3/32"	10004	14001	14000	3.2	4.5	6.2	2.7	2.1	0.76	60	3.8	9.2	20.6	14.2
3.18 / 1/8"	10001	14001	11000	4.4	6.0	8.2	3.6	2.4	1.14	100	3.8	9.2	20.6	14.2
3.97 / 5/32"	10005	14002	15000	5.5	7.5	10.2	4.4	2.8	1.55	100	3.8	14.2	35.0	20.6
4.77 / 3/16"	10006	14002	16000	6.6	9.0	12.3	5.2	3.2	1.55	100	3.8	14.2	35.0	20.6
6.35 / 1/4"	10002	14002	12000	8.8	12.0	16.4	6.9	3.9	2.39	150	3.8	14.2	35.0	20.6
9.58 / 3/8"	10003	14003	13000	13.2	18.0	24.5	10.3	5.5	2.39	150	3.8	18.3	44.5	25.4

Before



After



Nominal	Complete Tool P/N	Flexible Holder P/N	Cutter P/N Series	Ø A min (approx) varies with angle of intersection			Ø B disk	C head height	Ø D shaft	E shaft length (supplied)	F insertion		G	Ø H
				90	60	45					MIN	MAX		
2.38 / 3/32"	10004D	14001	14000D	3.2	4.5	6.2	2.7	3.2	0.76	60	3.8	9.2	20.6	14.2
3.18 / 1/8"	10001D	14001	11000D	4.4	6.0	8.2	3.6	3.9	1.14	100	3.8	9.2	20.6	14.2
3.97 / 5/32"	10005D	14002	15000D	5.5	7.5	10.2	4.4	4.6	1.55	100	3.8	14.2	35.0	20.6
4.77 / 3/16"	10006D	14002	16000D	6.6	9.0	12.3	5.2	5.4	1.55	100	3.8	14.2	35.0	20.6
6.35 / 1/4"	10002D	14002	12000D	8.8	12.0	16.4	6.9	6.8	2.39	150	3.8	14.2	35.0	20.6
9.58 / 3/8"	10003D	14003	13000D	13.2	18.0	24.5	10.3	10.1	2.39	150	3.8	18.3	44.5	25.4

ORBI-BIT



- The Orbi-Bit is a Diamond or CBN coated tool for fine deburring / edge cutting of intersecting edges.
- The tool can be used with Electric / Pneumatic hand drill.
- The Polish Ring prevents damage to the bore.
- Is available in 2 sizes - 1/8 (3.18 mm) & 1/4 (6.35 mm).

For technical information
Website: www.jwdone.com

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