



CHATTER-FREE
NobursinkTools
 by TOOLFAB

**UNEQUALLED PERFORMANCE IN DEBURRING,
 CHAMFERING AND COUNTERSINKING OPERATIONS**

Quality Performance

Precision engineered to cut most metals and plastics without chatter (not recommended for aluminum-bronze applications).

Self-piloting, self-centering action for free-cutting, low-torque deburring and consistently concentric chamfers and countersinks.

Uniform smooth surface finishes with no secondary burr.

Controlled radial relief for positive, chatter-free engagement even in light deburring/chamfering operations.

Constructed from high speed steel, heat-treated and precision ground for dependable operation.

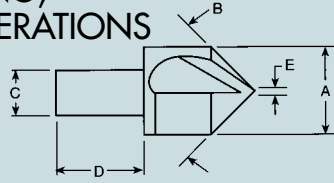
Versatile Application

Compatible with lightweight machine tools and portable drill motors.

Easily re-ground (cylindrically) without special grinding equipment; no cam grinding or hand relieving necessary.

Carbide-tipped tools available for highly abrasive or difficult-to-machine applications.

Wide range of configurations for specific needs.



Efficient Operation

Two cutting edges for double life in tools up to 1" capacity; a single cutter in larger tools, 1-1/2" and 2-1/2" capacity to meet low torque requirements.

High-rake shear angles for minimal cutting pressure.

Circular clearance provides controlled entry, eliminates snagging or seizing.

For special angles or sizes,
Call Us Today!

PART NO.	BODY DIAMETER A	INCLUDED ANGLE DEGREE B	CUTTER TYPE	TOOL NUMBER	STYLE	SHANK DIAMETER C	SHANK LENGTH D	MINIMUM DIAMETER E
470061	0.5	82	HSS	NS2-82A	1	1/4	1	1/32
470062	0.5	82	HSS	NS2-82	1	3/8	1	1/32
470071	0.5	90	HSS	NS2-90A	1	1/4	1	1/32
470072	0.5	90	HSS	NS2-90	1	3/8	1	1/32
471061	0.75	82	HSS	NS3-82A	1	1/4	1-1/8	1/32
471062	0.75	82	HSS	NS3-82	1	3/8	1-1/8	1/32
471071	0.75	90	HSS	NS3-90A	1	1/4	1-1/8	1/32
471072	0.75	90	HSS	NS3-90	1	3/8	1-1/8	1/32
471031	0.75	100	HSS	NS3-100A	1	1/4	1-1/8	1/32
471032	0.75	100	HSS	NS3-100	1	3/8	1-1/8	1/32
472061	1	82	HSS	NS4-82	1	1/2	1	1/32
472071	1	90	HSS	NS4-90	1	1/2	1	1/32
472081	1	100	HSS	NS4-100	1	1/2	1	1/32
473113	1.5	82	HSS	NS6-82	2	1/2	1-3/8	1/2
473115	1.5	82	Carbide	CNS6-82	2	1/2	1-3/8	1/2
473123	1.5	90	HSS	NS6-90	2	1/2	1-3/8	1/2
473125	1.5	90	Carbide	CNS6-90	2	1/2	1-3/8	1/2
473133	1.5	100	HSS	NS6-100	2	1/2	1-3/8	1/2
473135	1.5	100	Carbide	CNS6-100	2	1/2	1-3/8	1/2
474025	2.5	90	HSS	NS10-90	3	1/2	2-1/2	1
474035	2.5	90	Carbide	CNS10-90	3	1/2	2-1/2	1
474030	2.5	90	HSS	NS10-90	3	3/4	2-1/2	1
474040	2.5	90	Carbide	CNS10-90	3	3/4	2-1/2	1

Grind instructions available upon request.