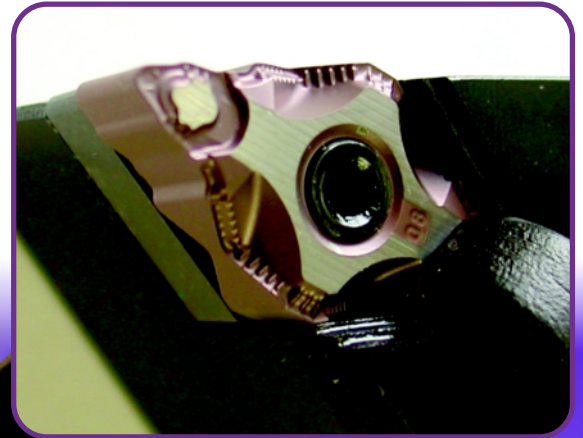


WIDASELECT -CT Insert Geometry

for outward copy turning and outward face turning.

- -CT geometry is specially designed for outward copy turning.
- The unique cutting edge configuration with this geometry results in enhanced chip control, unlike existing geometries which produce long chips.
- The double-sided pinlock insert has been added to the standard range of high performance WIDASELECT grades.
- Available in 3 radii: 1/64" (*), 1/32" & 3/64".
* Available in January 2002
- 4 High Performance Carbide Grades available to turn steel, cast steel & 400 series stainless (TN7010, TN7015 & TN7025); and austenitic stainless steel (TN8025).
- Over 200 choices of DNMG-44_ inserts & grade combinations

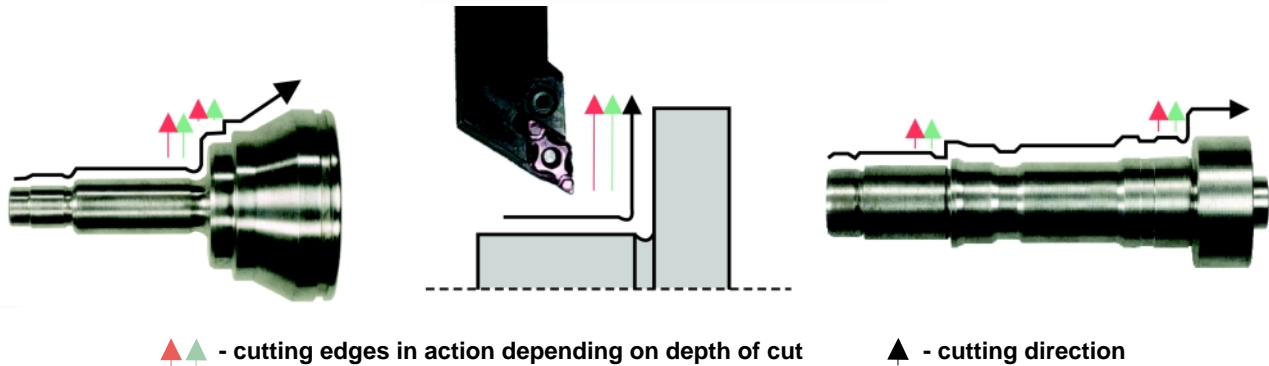
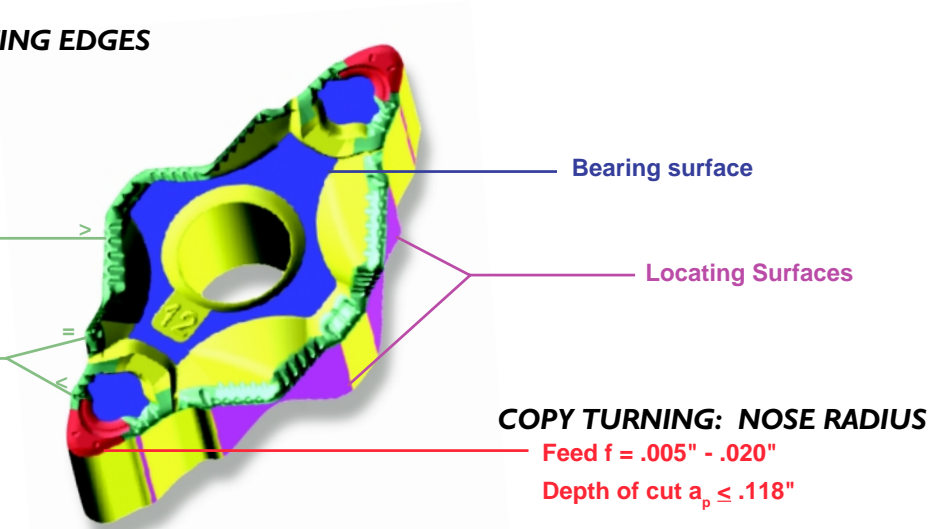


OUTWARD FACING: 3 CUTTING EDGES
(through division of cut)

Feed $f = .010'' - .016''$

Face depth of cut
 $a_p = .026'' - .040''$

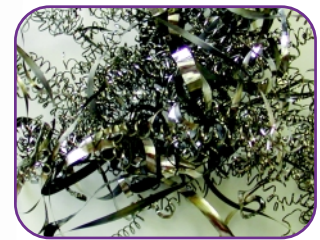
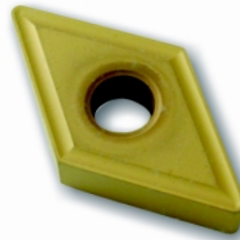
Face depth of cut
 $a_p < .026''$



SWARF COMPARISONS



Swarf produced by DNMG-442-CT Insert

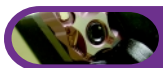


Swarf produced by DNMG-442 Insert

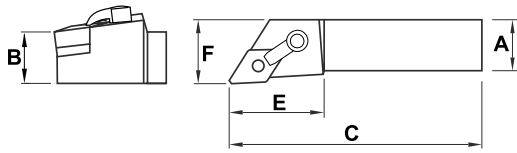
DNMG- ... -CT

WIDIA INSERT	DESIGNATION	DIMENSIONS					COATED										CERMET								
		l	s	r	d	d ₁	TN7005	TN7010	TN7015	TN7025	TN7035	TN150	TN200	TN250	TN35	TN8025	HK35	TN5015	TN5020	HK150	HK15	TTI-05	TTI-15	TTI-25	
	DNMG-441-CT	.610	1/4	1/64	1/2	.203	●	●	●							●									
	DNMG-442-CT			1/32												●									
	DNMG-443-CT			3/64												●									

* other styles of inserts are available, see back page

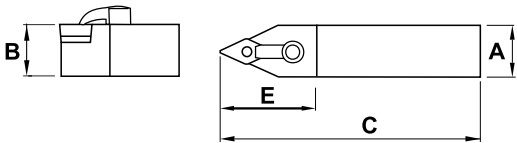


MDJNR/L TOOLHOLDERS



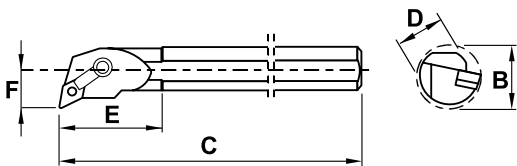
DESIGNATION	A	B	C	E	F	SPARE PARTS			
INSERT :	DNMA-44_ / DNMG-44_ / DNMM-44_ / DNMP-44_					Shim	Shim Pin	Clamp	Clamp Screw
MDJNR/L 12-44C	.750	.750	5.0	1.25	1.000	IDSN-432	NL-46	CL-20	XNS-48
MDJNR/L 16-44D	1.000	1.000	6.0	1.25	1.250	IDSN-432	NL-46	CL-20	XNS-48

MDPNN TOOLHOLDERS

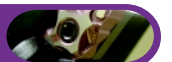


DESIGNATION	A	B	C	E	SPARE PARTS				
INSERT :	DNMA-44_ / DNMG-44_ / DNMM-44_ / DNMP-44_					Shim	Shim Pin	Clamp	Clamp Screw
MDPNN 12-44C	.750	.750	5.0	1.62	IDSN-432	NL-46	CL-20	XNS-48	
MDPNN 16-44D	1.000	1.000	6.0	1.62	IDSN-432	NL-46	CL-20	XNS-48	

S...-MDUNR/L BORING BARS



DESIGNATION	Min. Bore B	C	D	E	F	SPARE PARTS			
INSERT :	DNMA-44_ / DNMG-44_ / DNMM-44_ / DNMP-44_					Shim	Shim Pin	Clamp	Clamp Screw
S16T-MDUNR/L-44	1.750	12.00	1.000	2.50	.850	---	NL-44	CL-20	XNS-48
S20U-MDUNR/L-44	2.000	14.00	1.250	3.00	1.000	IDSN-432	NL-46	CL-20	XNS-48
S24U-MDUNR-44	2.250	14.00	1.500	3.00	1.125	IDSN-432	NL-46	CL-20	XNS-48



WIDIA INSERTS FOR TOOLHOLDERS & BORING BARS

INSERT	DESIGNATION	DIMENSIONS					COATED											UNCOATED				CERMET								
		l	s	r	d	d ₁	TN7005	TN7010	TN7015	TN7025	TN7035	TN150	TN200	TN250	TN350	TN35	TN8025	HK35	TN5015	TN5020	HK150	HK15	TTX	TTM	THM	THR	TTI-05	TTI-15	TTI-25	
	DNMA-442	.610	1/4	1/32	1/2	.203													•	•	•									
	DNMA-443			3/64																•	•	•								
	DNMG-441	.610	1/4	1/64	1/2	.203					•	•	•	•	•					•	•	•								
	DNMG-442			1/32							•	•	•	•	•						•	•								
	DNMG-443			3/64							•	•	•	•	•						•	•								
	DNMG-441-22	.610	1/4	1/64	1/2	.203	•	•	•		•	•	•	•	•					•	•						•			
	DNMG-442-22			1/32			•	•	•		•	•	•	•	•						•	•						•		
	DNMG-443-22			3/64			•	•	•		•	•	•	•	•						•	•						•		
	DNMG-441-4	.610	1/4	1/64	1/2	.203					•	•	•	•	•					•	•						•			
	DNMG-442-4			1/32							•	•	•	•	•						•	•						•		
	DNMG-443-4			3/64							•	•	•	•	•						•	•						•		
	DNMG-442-48	.610	1/4	1/32	1/2	.203		•	•			•								•	•									
	DNMG-443-48			3/64				•	•			•									•	•								
	DNMG-442-49	.610	1/4	1/32	1/2	.203	•	•	•		•	•	•	•	•					•	•									
	DNMG-443-49			3/64			•	•	•		•	•	•	•	•						•	•								
	DNMG-444-49			1/16			•	•	•		•	•	•	•	•						•	•								
	DNMG-442-5	.610	1/4	1/32	1/2	.203		•	•		•	•	•	•	•					•	•									
	DNMG-443-5			3/64				•	•		•	•	•	•	•						•	•								
DNMG-444-5			1/16				•	•		•	•	•	•	•						•	•									
	DNMG-442-SL	.610	1/4	1/32	1/2	.203		•	•											•	•									
	DNMG-443-SL			3/64				•	•												•	•								
	DNMM-442-65	.610	1/4	1/32	1/2	.203	•	•	•		•	•	•	•	•					•	•									
	DNMM-443-65			3/64			•	•	•		•	•	•	•	•						•	•								
	DNMM-444-65			1/16			•	•	•		•	•	•	•	•						•	•								
	DNMM-442-SH	.610	1/4	1/32	1/2	.203	•	•	•											•	•									
	DNMM-443-SH			3/64			•	•	•												•	•								
	DNMM-444-SH			1/16			•	•	•												•	•								
	DNMP-441-SM	.610	1/4	1/64	1/2	.203														•	•									
	DNMP-442-SM			1/32																	•	•								
	DNMP-443-SM			3/64																	•	•								



WARNING: Cutting tools are susceptible to chipping and/or fragmenting while in use. Machine guards and personal protective clothing/equipment should be utilized at all times to prevent bodily injury from flying particles or chips. Adequate ventilation and body protection should be provided when grinding tools. Hazardous dust and mist are produced during grinding; avoid breathing of and prolonged skin contact. Workers should be provided with adequate ventilation and body protection.

TYSON TOOL

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Available from:

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