



V045 | V060



2025

JUL ~ OCT

Engraving Tool

High Speed, High Feed Rate, Reduce engraving cycle time!

Different Angle! Burr Free!

V045



NC2071



NC2032



NC9031

V060



NC2071



NC2032



NC2035



NC9031

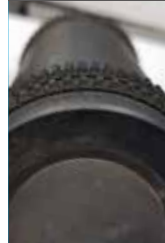
P M K N H



PROMO

BUY **10** INSERTS
GET **1** STEEL HOLDER **Free**

Ultrasonic welding drum



Mold & Die



V045 / V060 Insert :

Angle	Code	Parts No.	P	M	K	N	H
45°	0104501	V04506T1W06 - NC2071	⊙	●		⊙	
	0104502	V04506T1W06 - NC2032	●	○	●		
	0104504	V04506T1W06 - NC9031	⊙			●	
60°	0106001	V06006T1W06 - NC2071	⊙	●		⊙	
	0106002	V06006T1W06 - NC2032	●	○	●		
	0106003	V06006T1W06 - NC2035	⊙		○		●
	0106004	V06006T1W06 - NC9031	⊙			●	

* ONLY Tools Shown Above

● Best ⊙ Suit ○ Possible

V045 / V060 Holder :

Angle	Code	Parts No.	Ød	OAL
45°	691001**	00-99619-V045-06	6	40mm
	691004**	00-99619-V045-08	8	60mm
60°	692004**	00-99619-V060-04	4	30mm
	692001**	00-99619-V060-06	6	40mm
	692005**	00-99619-V060-08	8	60mm

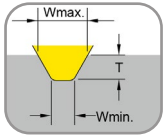
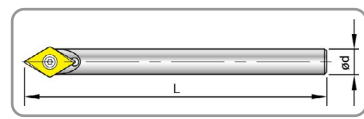
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Ref. No: 109-2507-4D



V045 Engraving Tool 45°



Insert Angle	Code	Parts No.	Coating	Grade	Dimensions			W		T		
					L	S	Re	Wmin.	Wmax.	Tmin.	Tmax.	
45°	0104501	V04506T1W06	NC2071	TiN	6.35	2.0	0.2	0.65	2.1	0.20	2.0	
	0104502		NC2032	TiAlN				0.65		0.20		
	0104504		NC9031	TiN				0.45		0.05		

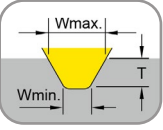
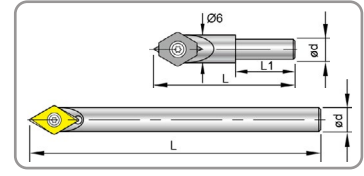
Holder Angle	Code	Parts No.	Shank	Ød	L	Screw	Key	
45° NEW	691001	00-99619-V045-06	Steel**	6	40	NS-22044 0.9Nm*	NK-T7	
	691002	00-99619-V045-06L	Carbide		60			
	691003	00-99619-V045-06XL	Carbide		100			
	691004	00-99619-V045-08	Steel**	8	60			

* Torque screwdriver is recommended.

** Holder on promo.



V060 Engraving Tool 60°



Insert Angle	Code	Parts No.	Coating	Grade	Dimensions			W		T		
					L	S	Re	Wmin.	Wmax.	Tmin.	Tmax.	
60°	0106001	V06006T1W06	NC2071	TiN	6.35	2.0	0.2	0.65	2.7	0.20	2.0	
	0106002		NC2032	TiAlN				0.65		0.20		
	0106003		NC2035	ALDURA				0.65		0.20		
	0106004		NC9031	TiN				0.45		0.05		

Insert Angle	Code	Parts No.	Coating	Grade	Dimensions			W		T		
					L	S	Re	Wmin.	Wmax.	Tmin.	Tmax.	
60°	0106006	V06006T1W03	NC2032	TiAlN	6.35	2.0	---	0.25	1.1	0.05	0.8	
	0106007		NC9036	DLC								

Holder Angle	Code	Parts No.	Shank	Ød	L	L1	Screw	Key	
60° NEW	692004	00-99619-V060-04	Steel**	4	30	12	NS-22044 0.9Nm*	NK-T7	
	692001	00-99619-V060-06	Steel**	6	40	---			
	692002	00-99619-V060-06L	Carbide		60	---			
	692003	00-99619-V060-06XL	Carbide		100	---			
	692005	00-99619-V060-08	Steel**	8	60	---			

* Torque screwdriver is recommended.

** Holder on promo.

Angle	Code	Parts No.	Shank Ø	Insert Included	STARTER Kit Content
45°	691201-4501	00-99619-V045-03K-71	Ø6 99619-V045-06	V04506T1W06-NC2071	1 x Holder 1 x T7 Key 3 x Inserts
	691201-4502	00-99619-V045-03K-32		V04506T1W06-NC2032	
	691201-4504	00-99619-V045-03K-31		V04506T1W06-NC9031	
60°	692201-6001	00-99619-V060-03K-71	Ø6 99619-V060-06	V06006T1W06-NC2071	
	692201-6002	00-99619-V060-03K-32		V06006T1W06-NC2032	
	692201-6003	00-99619-V060-03K-35		V06006T1W06-NC2035	
	692201-6004	00-99619-V060-03K-31		V06006T1W06-NC9031	

INSERTS SPECIFICATIONS

- NC2071: • STRONG EDGE ON CHIP-BREAKER, BEST SUITED FOR MIN. DOC 0.2mm.
• UNIVERSAL GRADE FOR ALL KINDS OF STEEL <30HRC, NON-FERROUS METAL AND STAINLESS STEEL.
- NC2032: • LONG TOOL LIFE.
• FOR ALL KINDS OF STEEL FROM 30~50 HRC, CARBON STEEL, ALLOY STEEL, AND CAST IRON.
- NC2035: • ALDURA COATING, REDUCES HEAT AND TOOL WEAR.
• FOR STEEL WITH HEAT TREATMENT UP TO 56 HRC.
- NC9031: • FULLY POSITIVE GROUND RAKE ANGLE VERY SHARP EDGE FOR SHALLOW ENGRAVING.
• FOR NON-FERROUS METALS SUCH AS ALUMINUM, BRASS, COPPER, TITANIUM, PLASTIC AND ACRYLIC.
- NC9036: • DLC COATING, VERY SHARP EDGE PRODUCES EXCELLENT SURFACE FINISH.
• FOR NON FERROUS METALS SUCH AS ALUMINUM, BRASS, COPPER, TITANIUM, PLASTIC AND ACRYLIC.

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