

Nine⁹

X060A90 Carbide Insert

0.1 & 0.2 mm



Spotting Engraving Grooving



NC2032

NC2035

XP9001

P Steel

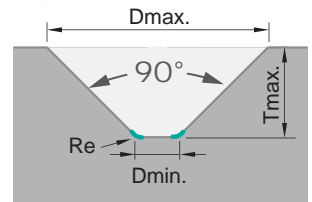
M SS

K Cast Iron

N Aluminum

H Hardened

NC2032	●	○	●		
NC2035	◎		○		●
XP9001				●	

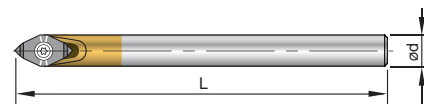


Parts No.	Coating	Grade	Dimensions	Dmin.	Dmax.	Tmax.	Application			
							L	S	Re	Spotting
X060A90W010R	NC2032	TiAlN		0.1	1.1	0.5	●	○	○	
	NC2035	ALDURA					K20F	○		
	XP9001	Polished								
X060A90W020R	NC2032	TiAlN		0.2	2.2	1.0	●	●	●	
	NC2035	ALDURA					K20F	●	●	●
	XP9001	Polished								

● Best ◎ Suit ○ Possible

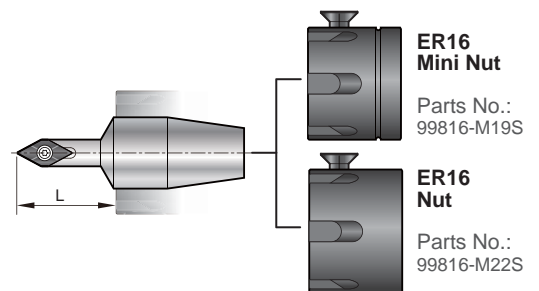
► Cylindrical Shank

Code	Parts No.	Shank	Ød	L	Screw	Key
69X001	00-99619-X060-06	Steel	6	40	NS-22044 0.9Nm	NK-T7
69X002	00-99619-X060-06L	Carbide	6	60		
69X003	00-99619-X060-06LS	Steel				



► Integrated ER16 taper-shank

Code	Parts No.	L	Screw	Key
16-69X004	00-99816-X060	22	NS-22044 0.9Nm	NK-T7



► Cutting Data >> X060A90 Micro Spot Drill

Spotting	Work Material	S (r.p.m.)	f (mm/rev.)		Grade of Insert
			X060A90W010R	X060A90W020R	
	C Carbon steel C<0.3%	8000 ~ 40000	0.002 ~ 0.012	0.002 ~ 0.015	NC2032
	P Carbon steel C>0.3%		0.002 ~ 0.010	0.002 ~ 0.012	NC2032
	A Alloy steel		0.002 ~ 0.010	0.002 ~ 0.010	NC2032, NC2035
	M Stainless steel		0.002 ~ 0.008	0.002 ~ 0.010	NC2032
	K Casting iron		0.002 ~ 0.010	0.002 ~ 0.010	NC2032
	N Non-ferrous metal (Al, Cu)		0.002 ~ 0.015	0.002 ~ 0.020	XP9001
	H Hardened steel up 56 HRC		0.002 ~ 0.006	0.002 ~ 0.006	NC2035

