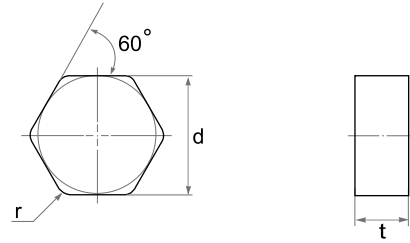
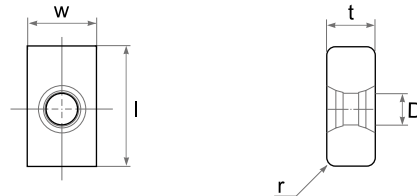


HNEN



Type	Dimensions (mm)																							
	d	t	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800		
ISO																								
HNEN 090520	16.20	5.56	2.0												●	●								
HNEN 090530	16.20	5.56	3.0												●	●								
HNEN 090508 ANSN	15.87	5.64	0.8												●	●		●						

LNE

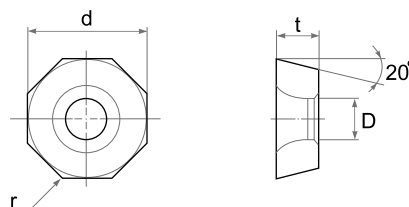


Type	Dimensions (mm)																								
	l	w	t	D	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
ISO																									
LNE 040904	15.87	9.52	4.76	4.41	0.4												●	●							
LNE 040908	15.87	9.52	4.76	4.41	0.8												●	●							
LNE 040912	15.87	9.52	4.76	4.41	1.2												●	●							
LNE 1007	15.67	9.52	6.35	4.10	1.2												●	●							

CERAMIC

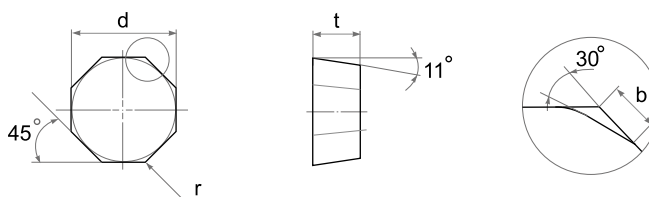
Turning & Milling

OEGB



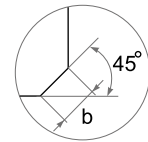
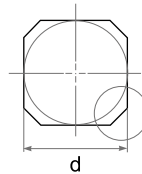
Type	Dimensions (mm)																							
	d	t	D	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
ISO																								
OEGB 070408	15.87	4.76	5.18	0.8													●							
OEGB 070416	15.87	4.76	5.18	1.6												●	●		●					
OEGB 070516	15.87	5.13	5.18	1.6												●	●							

OPEN



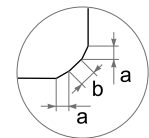
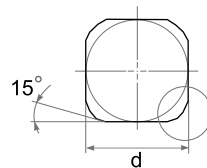
Type	Dimensions (mm)																							
	d	t	r	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
ISO																								
OPEN 050408 TR	13.97	4.76	0.80	2.10													●							
OPEN 050608 TR	13.97	6.35	0.80	2.10												●		●						

SNCN



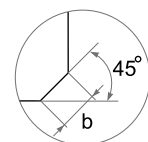
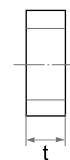
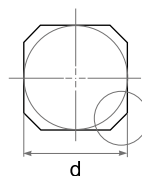
Type		Dimensions (mm)																						
ISO	ASA	d	t	b		ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SNCN 1204 AN	SNCN 43 AN	12.70	4.76	2.50														●						
SNCN 1204 ZN	SNCN 43 ZN	12.70	4.76	1.10														●						

SNCN .. ENTN



Type		Dimensions (mm)																						
ISO	ASA	d	t	a	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SNCN 1204 ENTN	SNCN 43 ENTN	12.70	4.76	1.40	1.00											●	●	●						
SNCN 1504 ENTN	SNCN 53 ENTN	15.87	4.76	1.40	1.00											●	●	●						

SNGN .. ING

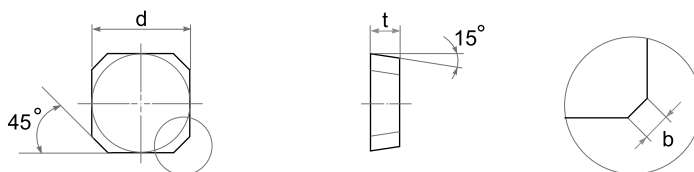


Type		Dimensions (mm)																						
ISO	ASA	d	t	b		ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SNGN 1204 ING	SNGN 43 ING	12.70	4.76	1.50														●	●					
SNGN 1904 ING	SNGN 63 ING	19.05	4.76	2.50														●	●					

CERAMIC

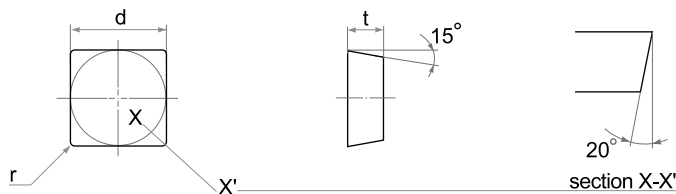
Turning & Milling

SDCN



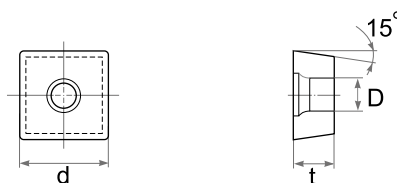
Type		Dimensions (mm)			NEW																			
ISO	ASA	d	t	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SDCN 1203 AETN 12	SDCN 42 AETN 12	12.70	3.18	1.2													●							
SDCN 1203 AETN	SDCN 42 AETN	12.70	3.18	2.0													●							
SDCN 1504 AETN	SDCN 53 AETN	15.87	4.76	2.0													●							

SDCN .. T



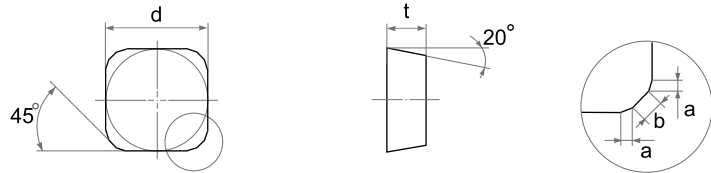
Type		Dimensions (mm)			NEW																			
ISO	ASA	d	t	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SDCN 120408 T20	SDCN 432 T20	12.70	4.76	0.8													●							
SDCN 120412 T20	SDCN 433 T20	12.70	4.76	1.2													●							

SDCW



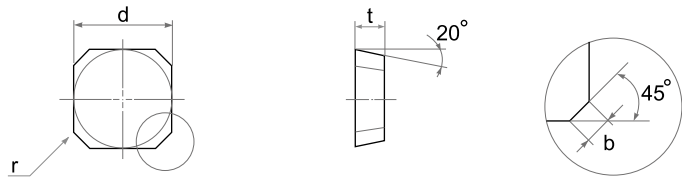
Type		Dimensions (mm)			NEW																			
ISO	ASA	d	t	D	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SDCW 1204 PDSR	SDCW 43 PDSR	12.70	4.76	4.40													●		●					

SEAN



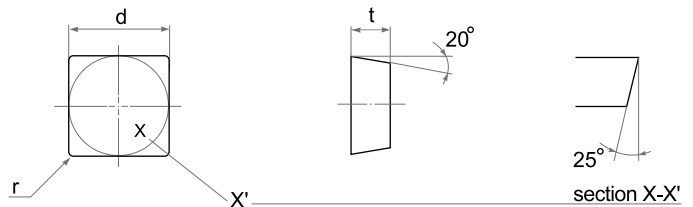
Type		Dimensions (mm)																						
ISO	ASA	d	t	a	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SEAN 1203 AFTN	SEAN 42 AFTN	12.70	3.18	0.50	1.80											●	●	●						
SEAN 1504 AFTN	SEAN 53 AFTN	12.70	4.76	0.70	2.00											●	●	●						

SEAN .. NW



Type		Dimensions (mm)																						
ISO	ASA	d	t	b	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SEAN 1203 NWAFTN	SEAN 42 NWAFTN	12.70	3.18	2.40	0.4											●								
SEAN 1204 AFTNW25	SEAN 43 AFTNW25	12.70	4.76	2.50	1.2													●						

SEAN .. T

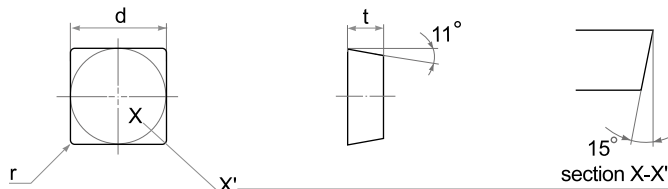


Type		Dimensions (mm)																					
ISO	ASA	d	t	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SEAN 120412 T25	SEAN 433 T25	12.70	4.76	1.2														●					
SEAN 120416 T25	SEAN 434 T25	12.70	4.76	1.6														●			●		

CERAMIC

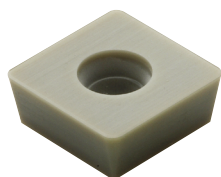
Turning & Milling

SPCN .. T



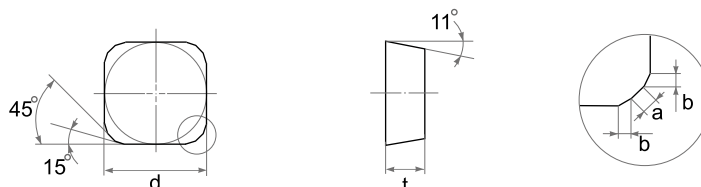
Type		Dimensions (mm)																						
ISO	ASA	d	t	r	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SPCN 120412 T15	SPCN 433 T15	12.70	4.76	1.2													●							
SPCN 120416 T15	SPCN 434 T15	12.70	4.76	1.6													●							

SPCW



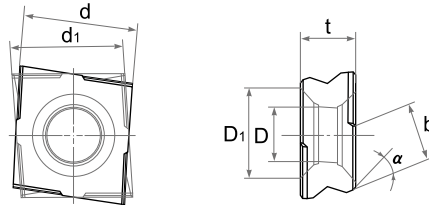
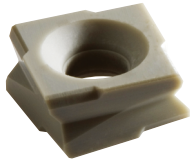
Type		Dimensions (mm)																						
ISO	ASA	d	t	D	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SPCW 10T3ZX	SPCW 10T3ZX	10.00	3.97	3.52													●							

SPEN



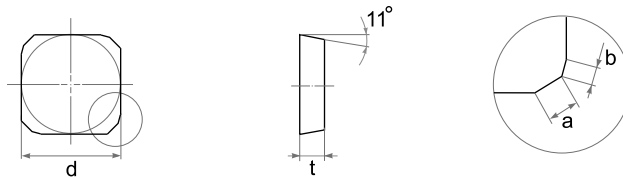
Type		Dimensions (mm)																						
ISO	ASA	d	t	a	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
SPEN 1206 APTN	SPEN 44 APTN	12.70	6.35	1.20	1.20													●		●				

SPHX



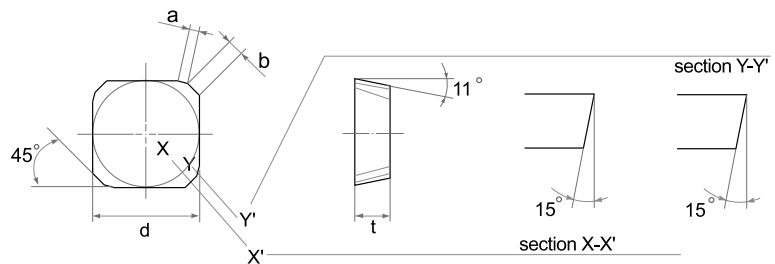
Type	Dimensions (mm)																										
	d	d ₁	t	D	D ₁	α	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SPHX 1205NR 480T	11.67	11.33	5.50	5.10	8.41	45	8.0													●		●					
SPHX 1205NL 480T	11.67	11.33	5.50	5.10	8.41	45	8.0																				
SPHX 1205ER 855T	12.09	11.33	5.50	5.10	8.41	35	5.50													●		●					
SPHX 1205EL 855T	12.09	11.33	5.50	5.10	8.41	35	5.50													●							
SPHX 15T6NR 880T	14.58	14.33	6.60	6.10	10.18	45	8.80													●		●					
SPHX 15T6ER 865T	15.50	14.33	6.60	6.10	10.18	35	6.50													●		●					

SPKN



Type		Dimensions (mm)																							
ISO	ASA	d	t	a	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SPKN 1203 EDTR	SPKN 42 EDTR	12.70	3.18	1.40	1.00													●	●					●	●
SPKN 1504 EDTR	SPKN 53 EDTR	15.87	4.76	1.40	1.00													●	●					●	●

SPKN .. SP

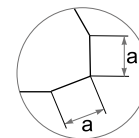
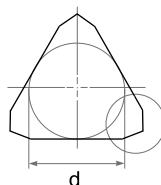


Type		Dimensions (mm)																							
ISO	ASA	d	t	a	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800	
SPKN 1204SP EDTR	SPKN 43SP EDTR	12.70	4.76	1.10	1.30													●							

CERAMIC

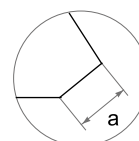
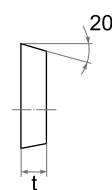
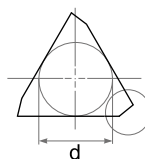
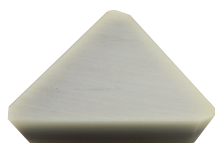
Turning & Milling

TNCN



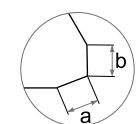
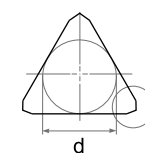
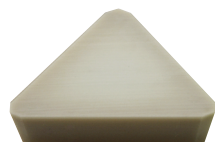
Type		Dimensions (mm)																					
ISO	ASA	d	t	a	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
TNCN 2204 ANT	TNCN 43 ANT	12.70	4.76	2.60												●	●						

TEKN



Type		Dimensions (mm)																					
ISO	ASA	d	t	a	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
TEKN 1603 PFTR	TEKN 32 PFTR	9.52	3.18	1.40												●	●						
TEKN 2204 PFTR	TEKN 43 PFTR	12.70	4.76	2.10												●	●						

TPKN



Type		Dimensions (mm)																						
ISO	ASA	d	t	a	b	ST100	ST300	ST500	ST900	TC100	TC300	TM300	SD200	SZ200	SZ300	SN26	SN300	SN400	SN500	SN600	SN800	SN900	SW400	SW800
TPKN 1603 PDTR	TPKN 32 PDTR	9.52	3.18	1.20	1.00											●	●	●						
TPKN 2204 PDTR	TPKN 43 PDTR	12.70	4.76	1.40	0.70											●	●	●						