
















































INSERTS TABLE

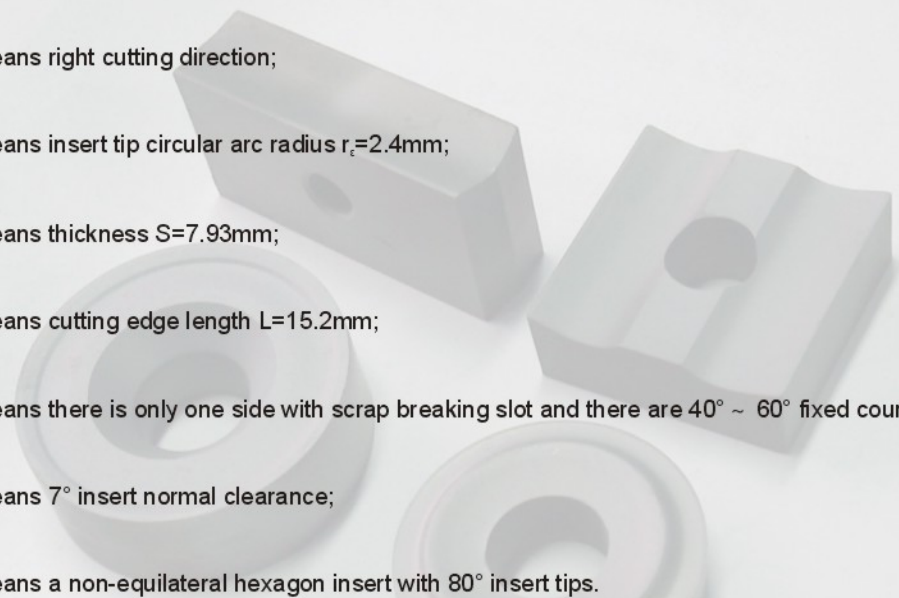
GENERAL TURNING INSERTS

Turning insrets							
TNN  P.6	TNA  P.6	TNU  P.7	SNN  P.7	SNA  P.8	SNM-M  P.8	SNM-M  P.9	SNM-V  P.9
SNM-V  P.10	SNM-ZR61  P.10	SNM-H  P.11	SNM-J  P.11	SNM-A  P.12	SNC  P.12	SNC  P.13	ANM-H9  P.13
BNM-H  P.14	CNM-H10  P.14	ANM-H  P.15	WCT-Y  P.15	WNG-VX  P.16	LNN  P.16	LNW  P.17	BNN  P.17
Vertical fixed turning insert							
LNR-H  P.18	ANR-H  P.18	LNF-H  P.19	LNM-H  P.19	LNG-H  P.20	BNM-H  P.20	BNM-H  P.21	LNC~DCEL  P.21
LNC~DCEL  P.22	LNC~DCER  P.22						
Peeling inserts							
RNM-V  P.23	RCM-V  P.23	RCX-ZR51  P.24	ROM-V  P.24	RCH-V  P.25	LNC-HR  P.25	LNC-VR  P.25	
Parting inserts							
QC  P.26	QC  P.26	QC  P.26					
Railwery Wheel re-tuning inserts							
SNG-A  P.27	SNG-ZR51  P.27	SNG-U  P.27					

Code of model designation of cemented carbide insert blank for heavy load tool follows prescription in GB/T 2076, excluding fineness class.

Sample 1:

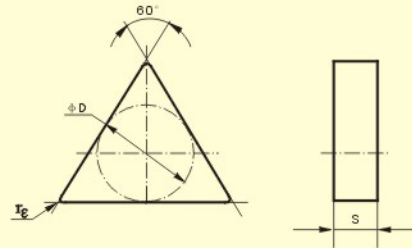
$\frac{W}{1}$ $\frac{C}{2}$ $\frac{T}{3}$ $\frac{15}{4}$ $\frac{07}{5}$ $\frac{24}{6}$ $\frac{R}{7}$ - $\frac{Y8}{8}$

- 
- 1、 means Y-type scrap breaking slot and 8mm slot width;
 - 2、 means right cutting direction;
 - 3、 means insert tip circular arc radius $r_c=2.4\text{mm}$;
 - 4、 means thickness $S=7.93\text{mm}$;
 - 5、 means cutting edge length $L=15.2\text{mm}$;
 - 6、 means there is only one side with scrap breaking slot and there are $40^\circ \sim 60^\circ$ fixed counter bores;
 - 7、 means 7° insert normal clearance;
 - 8、 means a non-equilateral hexagon insert with 80° insert tips.

This brochure introduces cemented carbide high load insert blank series. Basic product information and relate data are provided for your optimal option.

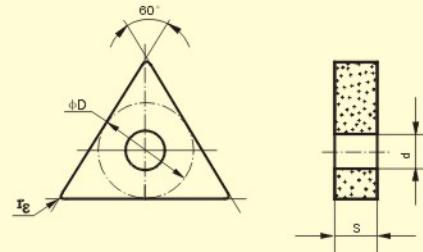
TURNING INSRETS

TNN



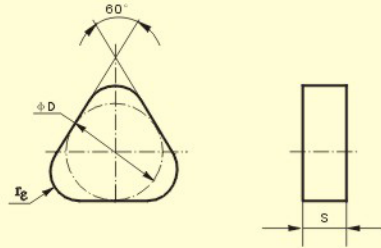
Type	Dimension (mm)			Basic grades														
				P			M			K								
	D	S	r_ϵ	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
TNN270612	15.875	6.35	1.2			o										o		o
TNN330724	19.05	7.93	2.4			o										o		o

TNA



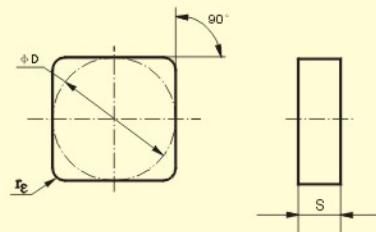
Type	Dimension (mm)				Basic grades														
					P			M			K								
	D	S	d	r_ϵ	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
TNA270612	15.875	6.35	6.35	1.2			o											o	

TNU



Type	Dimension (mm)			Basic grades														
				P			M				K							
	D	S	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
TNU270635	16.30	6.70	3.5											o	o			

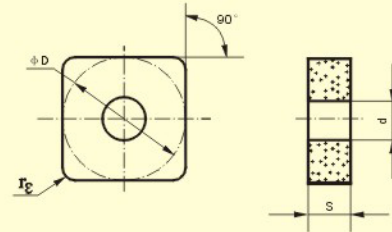
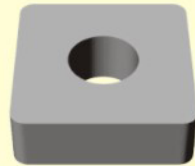
SNN



Type	Dimension (mm)			Basic grades														
				P			M				K							
	D	S	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNN250724	25.40	7.93	2.4	o		o												

TURNING INSRETS

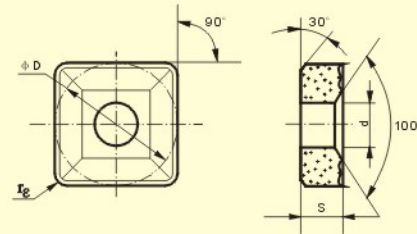
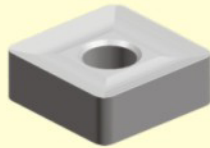
SNA



Type	Dimension (mm)				Basic grades															
					P			M			K									
	D	S	d	r_{ϵ}	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
SNA250924	25.40	9.52	9.12	2.4				○										○		
SNA300932	30.16	9.52	10.31	3.2			○											○		

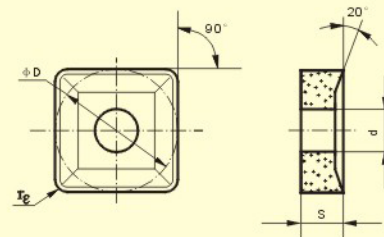
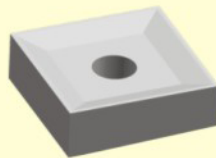
Type	Dimension (mm)				Basic grades															
					P			M			K									
	D	S	d	r_{ϵ}	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
SNM250724-M7	25.40	7.93	9.12	2.4				○									○			
SNM250724-M3	25.40	7.93	9.12	2.4				○									○			
SNM300932-M9	30.16	9.52	9.12	3.2				○									○			

SNM-M



Type	Remarks	Dimension (mm)				Basic grades															
						P			M			K									
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
SNM250924-M6	ZX-07003	25.40	9.52	9.2	2.4			○											○		

SNM-V



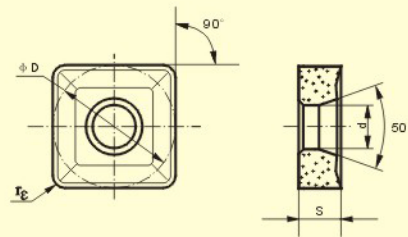
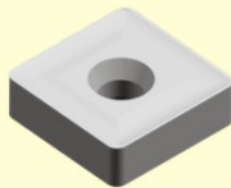
Type	Dimension (mm)				Basic grades															
					P			M			K									
	D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
SNM250724-V8	25.40	7.93	9.12	2.4		○							○					○		
SNM361132-V8	36.51	11.91	10.31	3.2	○								○					○		

注：订货时，请按备注栏中型号订货。如备注栏空缺，则按标准型号订货（下同）。

Note: When intent, please refer models in the Remarks in the brochure. Standard model is referred if remark is blank (Same in the following).

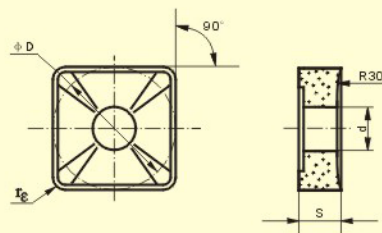
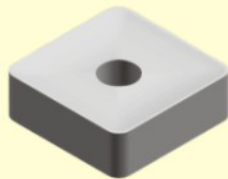
TURNING INSRETS

SNM-V



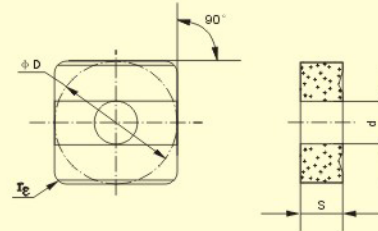
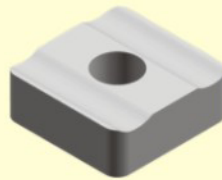
Type	Remarks	Dimension (mm)				Basic grades														
						P			M			K								
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNM310924-V8	ZX-07004	31.80	9.52	9.2	2.4			o											o	

SNM-ZR61



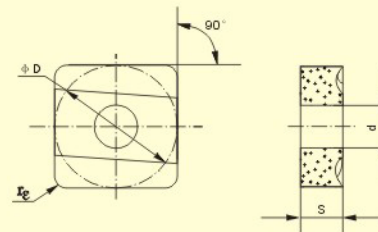
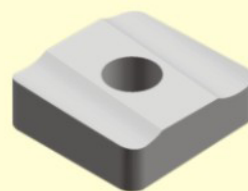
Type	Remarks	Dimension (mm)				Basic grades													
						P			M			K							
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF
SNM361235-ZR61	ZX-88001	36.0	12.0	10.0	3.5	o												o	

SNM-H



Type	Remarks	Dimension (mm)				Basic grades															
						P					M				K						
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
SNM220724-H8		22.225	7.93	7.93	2.4	○					○	○		○		○					
SNM250930-H10	ZX-08026	25.00	9.00	9.00	3.0	○					○	○		○		○					
SNM251010-H10	ZX-08027	25.00	10.10	9.00	1.0	○					○	○		○		○					
SNM250924-H10		25.40	9.52	9.12	2.4	○					○	○		○		○					
SNM250910-H10	ZX-06077	25.70	9.60	9.00	1.0	○					○	○		○		○					
SNM301132-H11		30.16	11.91	10.31	3.2	○					○	○		○		○					

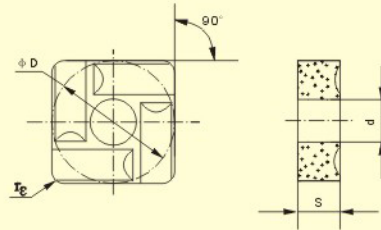
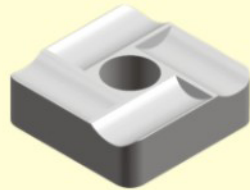
SNM-J



Type	Dimension (mm)				Basic grades																
					P					M				K							
	D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF		
SNM220724R-J8	22.225	7.93	7.93	2.4	○					○	○		○		○						
SNM220724L-J8	22.225	7.93	7.93	2.4	○					○	○		○		○						
SNM301132R-J8	30.16	11.91	10.31	3.2	○					○	○		○		○						
SNM301132L-J8	30.16	11.91	10.31	3.2	○					○	○		○		○						

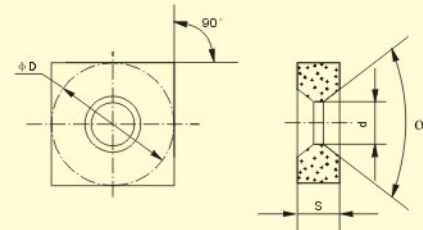
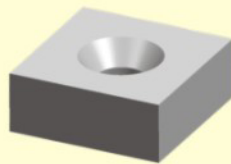
TURNING INSRETS

SNM-A



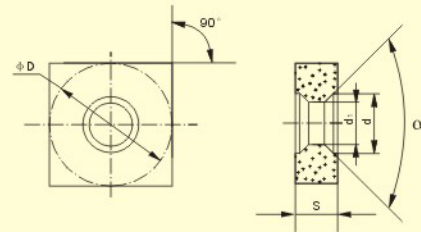
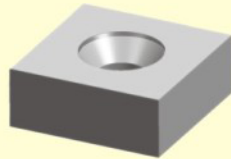
Type	Remarks	Dimension (mm)				Basic grades														
						P			M			K								
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNM250924-A10		25.40	9.52	9.12	2.4				○			○					○			
SNM301010-A7	ZX-81002	30.0	10.0	10.0	1.0				○			○					○			
SNM300932-A10		30.16	9.52	10.31	3.2				○			○					○			

SNC



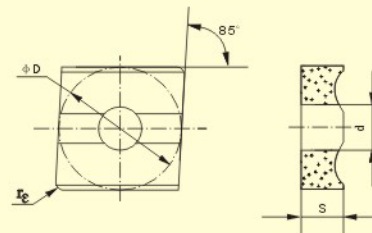
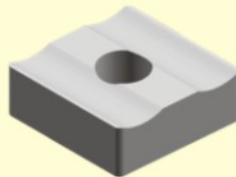
Type	Remarks	Dimension (mm)				Basic grades														
						P			M			K								
		D	S	d	α	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNC190600	ZX-91022	19.05	6.35	7.93	80°		○		○	○		○								
SNC450800	ZX-06028	45.00	8.00	6.60	90°		○		○	○		○								

SNC



Type	Remarks	Dimension (mm)					Basic grades															
							P			M			K									
		D	S	d ₁	d	α	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
SNC200600	ZX-01065	20.60	6.90	6.90	6.40	70°	○			○	○		○									

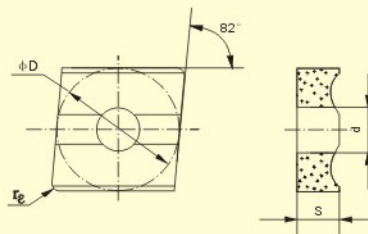
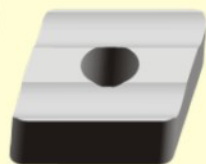
ANM-H9



Type	Dimension (mm)				Basic grades																
					P			M			K										
	D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF		
ANM250912-H9	25.40	9.52	9.12	1.2	○							○			○						
ANM250920-H9	25.40	9.52	9.12	2.0	○							○			○						

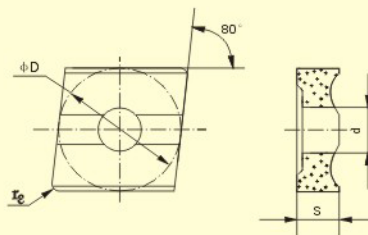
TURNING INSRETS

BNM-H



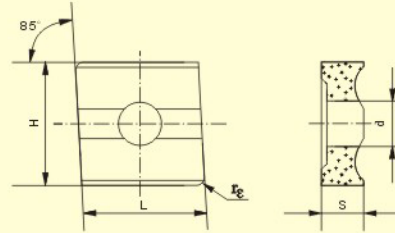
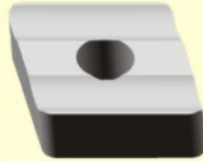
Type	Dimension (mm)				Basic grades															
					P			M			K									
	D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
BNM250924-H10	25.40	9.52	9.12	2.4	○							○			○					

CNM-H10



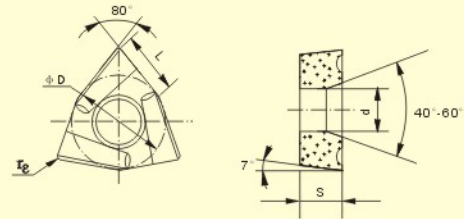
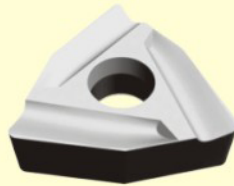
Type	Remarks	Dimension (mm)				Basic grades														
						P			M			K								
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
CNM250910R-H10	ZX-06078	25.70	9.60	9.0	1.0	○						○			○					
CNM250910L-H10	ZX-06076	25.70	9.60	9.0	1.0	○						○			○					

ANM-H



Type	Remarks	Dimension (mm)					Basic grades															
							P			M			K									
		H	L	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
ANM220820-H7	ZX-08045	22.10	23.00	8.50	7.2	2.0	○								○			○				

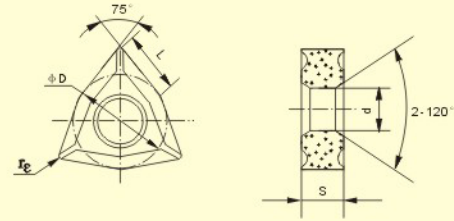
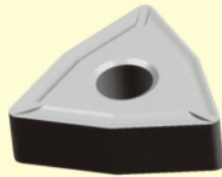
WCT-Y



Type	Dimension (mm)					Basic grades																
						P			M			K										
	L	D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF		
WCT150724R-Y8	15.2	22.225	7.93	7.93	2.4			○					○					○				
WCT150724L-Y8	15.2	22.225	7.93	7.93	2.4			○					○					○				

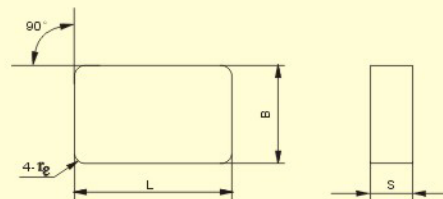
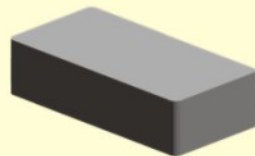
TURNING INSRETS

WNG-VX



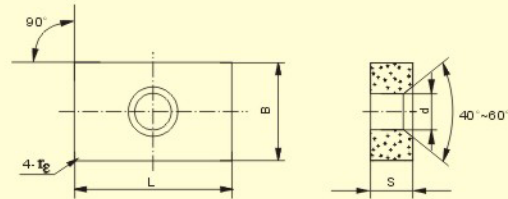
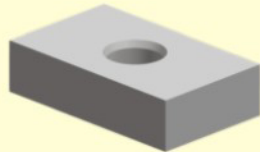
Type	Remarks	Dimension (mm)					Basic grades															
							P			M			K									
		L	D	S	d	r_{ϵ}	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
WNG150915-VX	WNMX-89004	15.95	22.23	10.0	8.1	1.5			o	o												

LNN



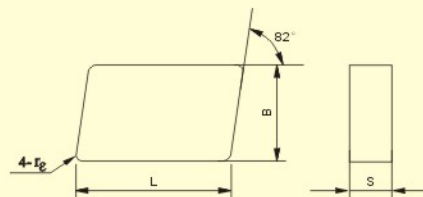
Type	Remarks	Dimension (mm)				Basic grades															
						P			M			K									
		L	B	S	r_{ϵ}	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
LNN250608		25.40	12.70	6.35	0.8		o	o						o							
LNN250708		25.40	12.70	7.93	0.8		o	o						o							
LNN250616		25.40	15.87	6.35	1.6		o	o						o							
LNN250916		25.40	22.22	9.52	1.6		o	o						o							
LNN300720	AX-99004	30.10	16.50	7.95	2.0		o	o						o							

LNW



Type	Remarks	Dimension (mm)				Basic grades															
						P					M			K							
		L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
LNW160400	ZX-90022	16.28	9.88	4.15	4.30				o	o											

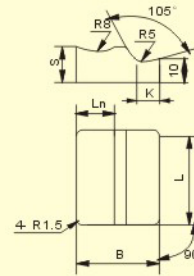
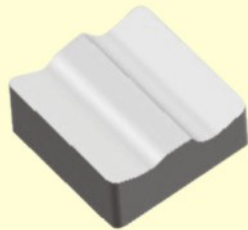
BNN



Type	Dimension (mm)				Basic grades															
					P					M			K							
	D	S	d	α	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
BNN250616	25.40	12.7	6.35	1.6		o									o					
BNN250716	25.40	12.7	7.93	1.6		o									o					
BNN330316	33.33	8.3	3.57	1.6		o									o					
BNN390316	39.68	8.3	3.57	1.6		o									o					

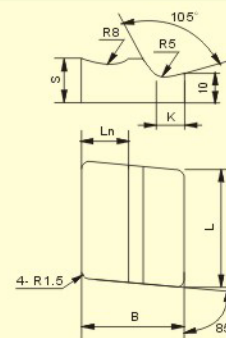
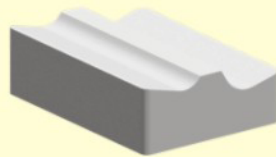
VERTICAL FIXED TURNING INSERT

LNR-H



Type	Remarks	Dimension (mm)					Basic grades												
		L	B	S	K	Lh	P			M			K						
							YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF
LNR241200-H12	ZX-91010	24.8	29.7	12.9	10	12	○	○	○						○	○			
LNR291200-H12	ZX-91011	29.8	29.7	12.9	10	12	○	○	○						○	○			
LNR341200-H12	ZX-91012	34.8	29.7	12.9	10	12	○	○	○						○	○			
LNR391200-H12	ZX-91013	39.8	29.7	12.9	10	12	○	○	○						○	○			

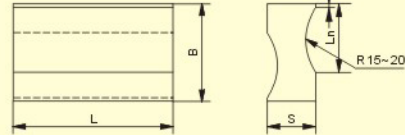
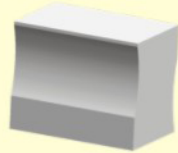
ANR-H



Type	Remarks	Dimension (mm)					Basic grades												
		L	B	S	K	Lh	P			M			K						
							YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF
ANR241200-H12	ZX-91006	24.8	29.7	12.9	10	12	○	○	○						○	○			
ANR291200-H12	ZX-91007	29.8	29.7	12.9	10	12	○	○	○						○	○			
ANR341200-H12	ZX-91008	34.8	29.7	12.9	10	12	○	○	○						○	○			
ANR391200-H12	ZX-91009	39.8	29.7	12.9	10	12	○	○	○						○	○			

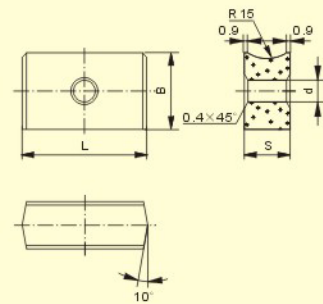
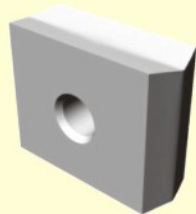
VERTICAL FIXED TURNING INSERT

LNF-H



Type	Dimension (mm)					Basic grades																
						P					M			K								
	L	B	S	Ln	f	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF		
LNF201200-H11	20.0	16.0	12.7	11	0.5	○	○						○				○	○				
LNF301400-H15	30.0	20.0	14.2	15	0.6	○	○						○				○	○				
LNF401400-H15	40.0	20.0	14.2	15	0.6	○	○						○				○	○				
LNF601600-H16	60.0	25.0	16.2	16	0.7	○	○						○				○	○				

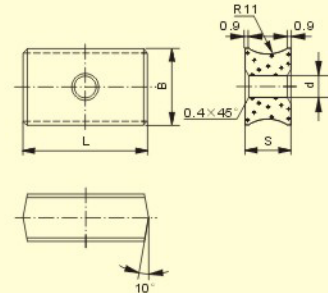
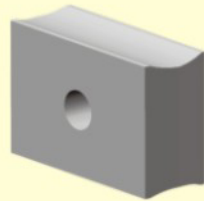
LNM-H



Type	Remarks	Dimension (mm)				Basic grades																
						P					M			K								
		L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF		
LNM291200-H10	ZX-81013	29.4	22.0	12.5	6.5		○										○	○				
LNM341200-H10	ZX-81012	34.4	22.0	12.5	6.5		○										○	○				
LNM421200-H10	ZX-81011	42.4	22.0	12.5	6.5		○										○	○				

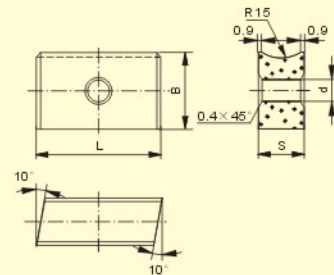
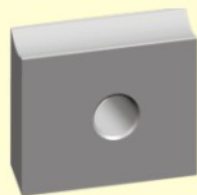
VERTICAL FIXED TURNING INSERT

LNG-H



Type	Dimension (mm)				Basic grades															
					P			M			K									
	L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
LNG291200-H12	29.4	22.0	12.0	6.0		○									○	○				
LNG451200-H12	45.4	22.0	12.0	6.0	○										○	○				

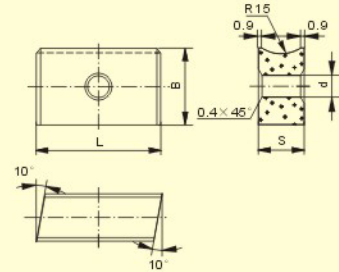
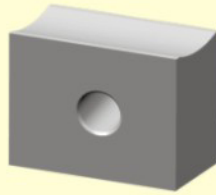
BNM-H



Type	Remarks	Dimension (mm)				Basic grades														
						P			M			K								
		L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
BNM291200R-H11	ZX-81007	29.4	22.0	12.5	6.5										○	○				
BNM341200R-H11	ZX-81006	34.4	22.0	12.5	6.5										○	○				
BNM421200R-H11	ZX-81005	42.4	22.0	12.5	6.5										○	○				

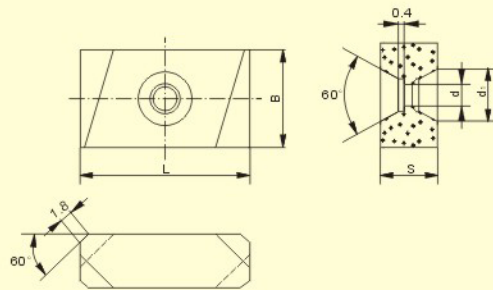
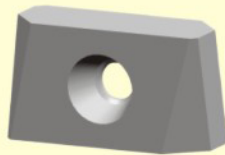
VERTICAL FIXED TURNING INSERT

BNM-H



Type	Remarks	Dimension (mm)				Basic grades															
						P			M			K									
		L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
BNM291200L-H12	ZX-81010	29.4	22.0	12.5	6.5											○	○				
BNM341200L-H12	ZX-81009	34.4	22.0	12.5	6.5											○	○				
BNM421200L-H12	ZX-81008	42.4	22.0	12.5	6.5											○	○				

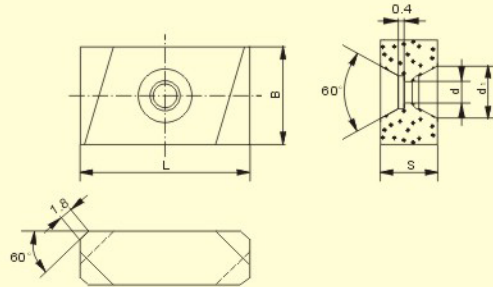
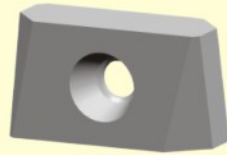
LNC~DCEL



Type	Dimension (mm)					Basic grades															
						P			M			K									
	L	B	S	d	d ₁	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
LNQ1906DCEL	19.05	14.3	6.35	5.5	8.5			○	○	○											○
LNQ2509DCEL	25.40	14.3	9.52	5.5	8.5			○	○	○											○
LNQ2809DCEL	28.57	14.3	9.52	5.5	8.5			○	○	○											○

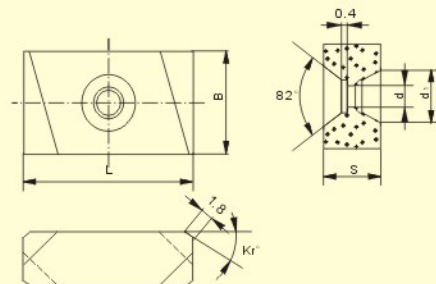
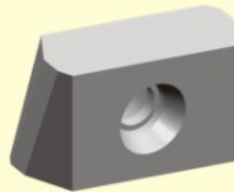
VERTICAL FIXED TURNING INSERT

LNC~DCEL



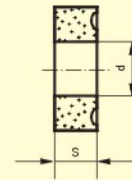
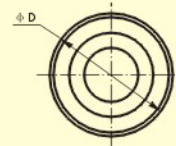
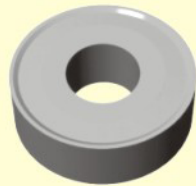
Type	Remarks	Dimension (mm)					Basic grades															
							P			M			K									
		L	B	S	d	d ₁	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
LNC2909DCEL	ZX-01040	29.10	14.80	9.90	5.41	8.78			○	○	○											○

LNC~DCER



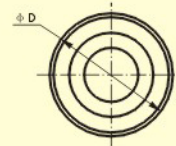
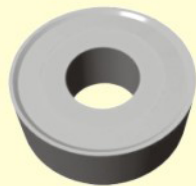
Type	Remarks	Dimension (mm)						Basic grades														
								P			M			K								
		L	B	S	d	d ₁	Kr°	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
LNC1906DCER		19.05	14.5	6.35	5.8	8.5	60		○	○	○							○	○			
LNC2409DCER	ZX-01043	24.50	14.75	9.90	5.40	8.35	50		○	○	○							○	○			
LNC2809DCER		28.57	14.28	9.52	5.8	8.5	60		○	○	○							○	○			
LNC2909DCER	ZX-01037	29.10	14.80	9.525	5.41	8.35	30		○	○	○							○	○			
LNC2910DCER	ZX-01042	29.10	16.45	9.90	5.40	8.35	36		○	○	○							○	○			

RNM-V



Type	Dimension (mm)			Basic grades														
				P					M				K					
	D	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
RNM3812Mo-V7	38.0	12.70	12.6						o		o		o					

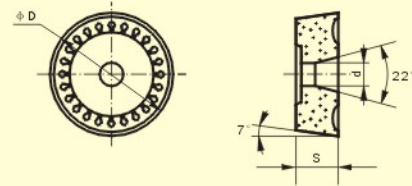
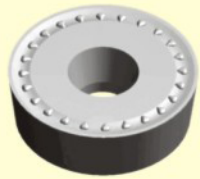
RCM-V



Type	Dimension (mm)			Basic grades														
				P					M				K					
	D	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
RCM200500-V3	20.0	5.56	6.5						o						o			
RCM280900-V4	28.0	9.52	10.6						o						o			
RCM300900-V3	30.0	9.52	12.6						o						o			

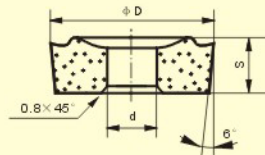
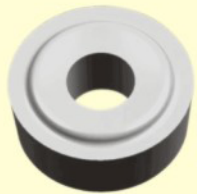
PEELING INSERTS

RCX-ZR51



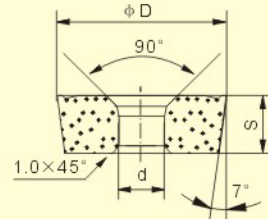
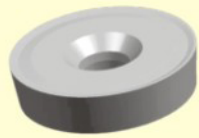
Type	Remarks	Dimension (mm)			Basic grades														
					P					M			K						
		D	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
RCX321000-ZR51	ZX-01025	32.6	10.10	9.48	○						○				○				

ROM-V



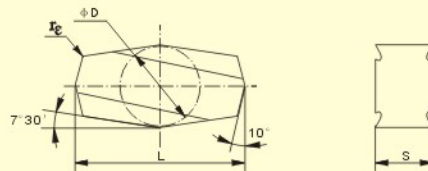
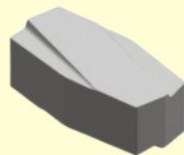
Type	Remarks	Dimension (mm)			Basic grades														
					P					M			K						
		D	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
ROM271100-V3	ZX-01035	28.6	11.5	10.0	○						○				○	○			

RCH-V



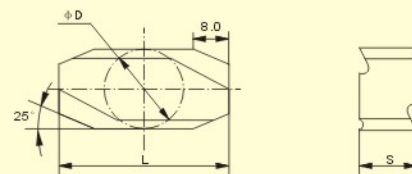
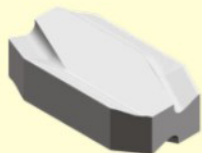
Type	Remarks	Dimension (mm)			Basic grades														
					P					M				K					
		D	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
RCH400900-V4	ZX-03021	40.0	9.525	11.0	o		o	o							o	o			

LNC-HR



Type	Remarks	Dimension (mm)				Basic grades													
						P					M				K				
		L	D	S	r_ϵ	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF
LNC371812-HR	T91077	37.6	18.5	12.5	0.5		o								o	o		o	

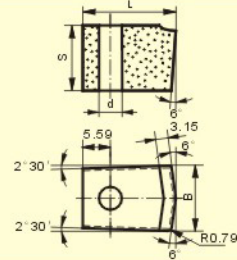
LNC-VR



Type	Remarks	Dimension (mm)			Basic grades														
					P					M				K					
		L	D	S	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
LNC412110-VR	AX-09002	41.0	21.0	10.5		o									o	o		o	

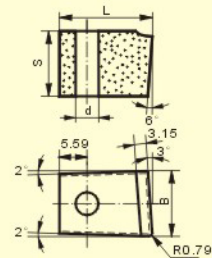
PARTING INSERTS

QC



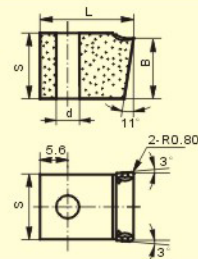
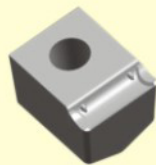
Type	Dimension (mm)				Basic grades															
					P				M				K							
	L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
QC-07001	16.66	12.7	12.15	5.6											o	o				

QC



Type	Dimension (mm)				Basic grades															
					P				M				K							
	L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
QC-07002	16.66	12.7	12.5	5.6											o	o				

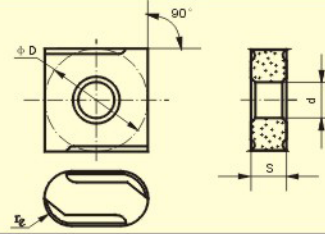
QC



Type	Dimension (mm)				Basic grades															
					P				M				K							
	L	B	S	d	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF	
QC-07003	16.66	11.0	12.6	5.6											o	o				

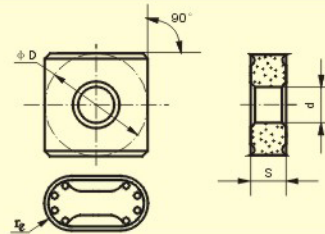
RAILWAY WHEEL RE-TUNING INSERTS

SNG-A



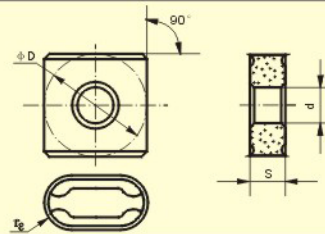
Type	Remarks	Dimension (mm)				Basic grades														
						P					M			K						
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNG191910R-A	ZX-81014R	19.05	10.0	7.20	4.0	○						○				○	○			
SNG191910L-A	ZX-81015L	19.05	10.0	7.20	4.0	○						○				○	○			

SNG-ZR51



Type	Remarks	Dimension (mm)				Basic grades														
						P					M			K						
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNG191910-ZR51	ZX-9804	19.0	10.0	6.35	4.0	○						○				○	○			

SNG-U



Type	Remarks	Dimension (mm)				Basic grades														
						P					M			K						
		D	S	d	r _ε	YT5	YT14	ZP25	ZP35	YT798	YW1	YW2	YT767	YG813	YG610	YG535	YG546	ZK10UF	ZK20UF	ZK30UF
SNG191910-U	ZX-03012	19.05	10.0	6.35	4.0		○					○				○	○			

SPECIFICATIONS

Dimension tolerance and form deviation

The tolerances of diameter (D) of inscribed circle, length (L), width (B) and thickness (S) are Specified as below:

Dimension (mm)		≤12	> 12 ~ 25	> 25 ~ 40	> 40
Allowable Tolerance	Senior Level	+0.3 ~ +0.7	+0.4 ~ +0.9	+0.4 ~ +1.1	+0.5 ~ +1.2
	General Level	+0.4 ~ +0.8	+0.4 ~ +1.1	+0.4 ~ +1.3	+0.5 ~ +1.4

1. Allowable deviation of circular arc radius of insert blank should be ±0.2mm.

2. Allowable deviation of bore diameter of insert blank should be ±0.2mm.

3. Allowable deviation of any angle of insert blank should be ±45'.

4. Tolerance of flatness of insert blank is specified as below:

Dimension (mm)		≤18	> 18 ~ 30	> 30
Tolerance	Senior Level	0.12	0.15	0.20
	General Level	0.15	0.20	0.25

note: Dimension permitted deviation and outline tolerance in the remarks should follow the requirement of the drawings.